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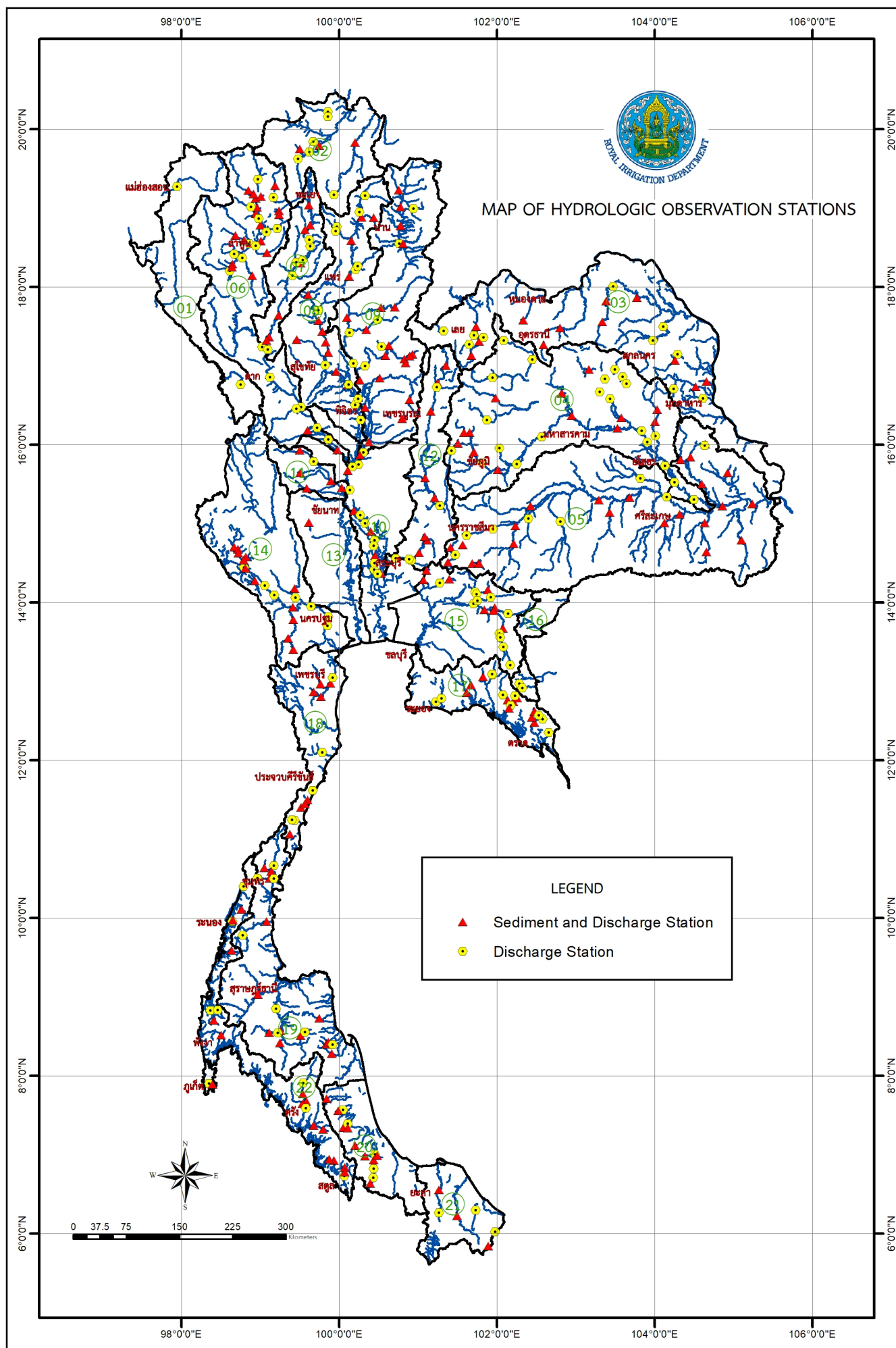
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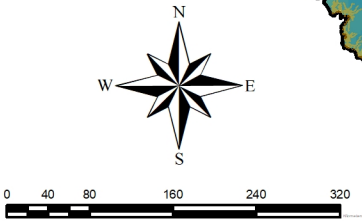
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315	X.64	Khlong Tha Sae at Ban Tha Sae, Chumphon	630
316	X.70	Khlong Ban Tan at Ban Wang Kong, Nakhon Si Thammarat	632
317	X.149	Khlong Klai at Ban Hua Na, Nakhon Si Thammarat	634
318	X.158	Khlong Tha Taphao at Ban Wang Khrok, Chumphon	636
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152	B.10	Phetchaburi River at Ban Tha Yang, Phetchaburi	903
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19. UPPER SOUTHERN PENINSULA EAST COAST

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158	X.37A	Tapi River at Ban Yan Din Daeng, Surat Thani	909
159	X.53A	Khlong Chumphon at Ban Wang Phai, Chumphon	910
160	X.55	Khlong Tha Di at Ban Tha Yai, Nakhon Si Thammarat	911
161	X.70	Khlong Ban Tan at Ban Wang Kong, Nakhon Si Thammarat	912
162	X.149	Khlong Klai at Ban Hua Na, Nakhon Si Thammarat	913
163	X.158	Khlong Tha Taphao at Ban Wang Khrok, Chumphon	914
164	X.167	Khlong Sao Thong at Ban Sao Thong, Nakhon Si Thammarat	915
165	X.195	Tapi River at Ban Tha Pho, Nakhon Si Thammarat	916
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20. THALE SAP SONGKHLA BASIN

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171	X.90	Khlong U - Taphao at Ban Bang Sala, Songkhla	922
172	X.109	Khlong Bang Kaeo at Ban Khuan In No Mo, Phutthalung	923
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178	X.276	Upper Khlong Tha Nae at Ban Khao Pu, Phatthalung	929

21. LOWER SOUTHERN PENINSULA EAST COAST

179	X.40A	Pattani River at Ban Tha Sap, Yala	930
180	X.184	Sai Buri River at Ban Sa Ko , Narathiwat	931
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183	X.110	Khlong Lamphu La at Ban Lamphu La , Trang	934
184	X.139A	Khlong Palian at Ban Palian Nai, Trang	935
185	X.148	Khlong Lam Lon at Ban U-Dai Tai , Satun	936
186	X.150	Khlong Langu at Ban Wang Pa Khian, Satun	937
187	X.191	Khlong Bang Yai at Satree Phuket school, Phuket	938
188	X.196	Khlong Kapong at Ban Tha Na , Phang Nga	939
189	X.205	Khlong La-Un at Ban La-Un Tai , Ranong	940
190	X.208A	Upper Khlong Kapoe at Ban Chaew Lueang , Ranong	941
191	X.228	Trang River at Ban Klang , Trang	942
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195	X.279	Khlong Duson at Ban Panjor, Satun	946
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APPENDIX

Flow Duration Curve for Daily Discharge (2013 - 2022)

HYDROLOGY OBSERVATION



Fig.1 Typical vertical staff gauge



Fig.2 Standard bench mark



Fig.3 Discharge Measurement by River Surveyor M9 ...etc.



Fig.4 Measuring Line



Fig.5 Hydrological Station Camp



Fig.6 Meteorological Field



Fig.7 Field survey of suspended sediment



Fig.8 Sediment Laboratory

HYDROLOGICAL YEAR BOOK PUBLICATION

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

Introduction

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

Definition of terms and abbreviations

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Order of listing of gauging data

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

Series of yearbook publications

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

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

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<u>Volume</u>	<u>Water Years</u>	<u>No. of station – years</u>	<u>Date of Issuance</u>
34	1991	227	July 1993
35	1992	220	May 1994
36	1993	228	April 1995
37	1994	224	August 1996
38	1995	232	July 1997
39	1996	244	August 1998
40	1997	269	August 1999
41	1998	258	August 2000
42	1999	291	August 2001
43	2000	316	September 2002
44	2001	330	September 2003
45	2002	316	October 2004
46	2003	334	October 2005
47	2004	338	November 2006
48	2005	340	December 2007
49	2006	362	February 2009
50	2007	361	May 2010
51	2008	372	February 2011
52	2009	368	December 2012
53	2010	347	February 2013
54	2011	360	April 2013
55	2012	348	October 2013
56	2013	369	October 2014
57	2014	359	October 2015
58	2015	351	October 2017
59	2016	356	May 2018
60	2017	361	May 2019
61	2018	367	May 2020
62	2019	352	May 2021
63	2020	354	May 2022
64	2021	372	May 2023
65	2022	374	May 2024

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

- (a) Accessibility.
- (b) Geographical location.
- (c) Mean annual rainfall.
- (d) Vegetation cover determined from Army Map Service topographic map with 1:50,000 or 1:250,000 scale.
- (e) Basin soil type.
- (f) Type of surface rock.

Field work

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

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

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

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

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

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

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

Office data processing

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

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

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

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

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

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

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

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

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

Review of procedure for stream flow data processing.

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

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

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

b) Discrepancies of recording charts, if any.

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

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

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

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

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

4) Checking stability of rating curve used.

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

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

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

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

Classification of stream flow data

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

Future plan for computerization

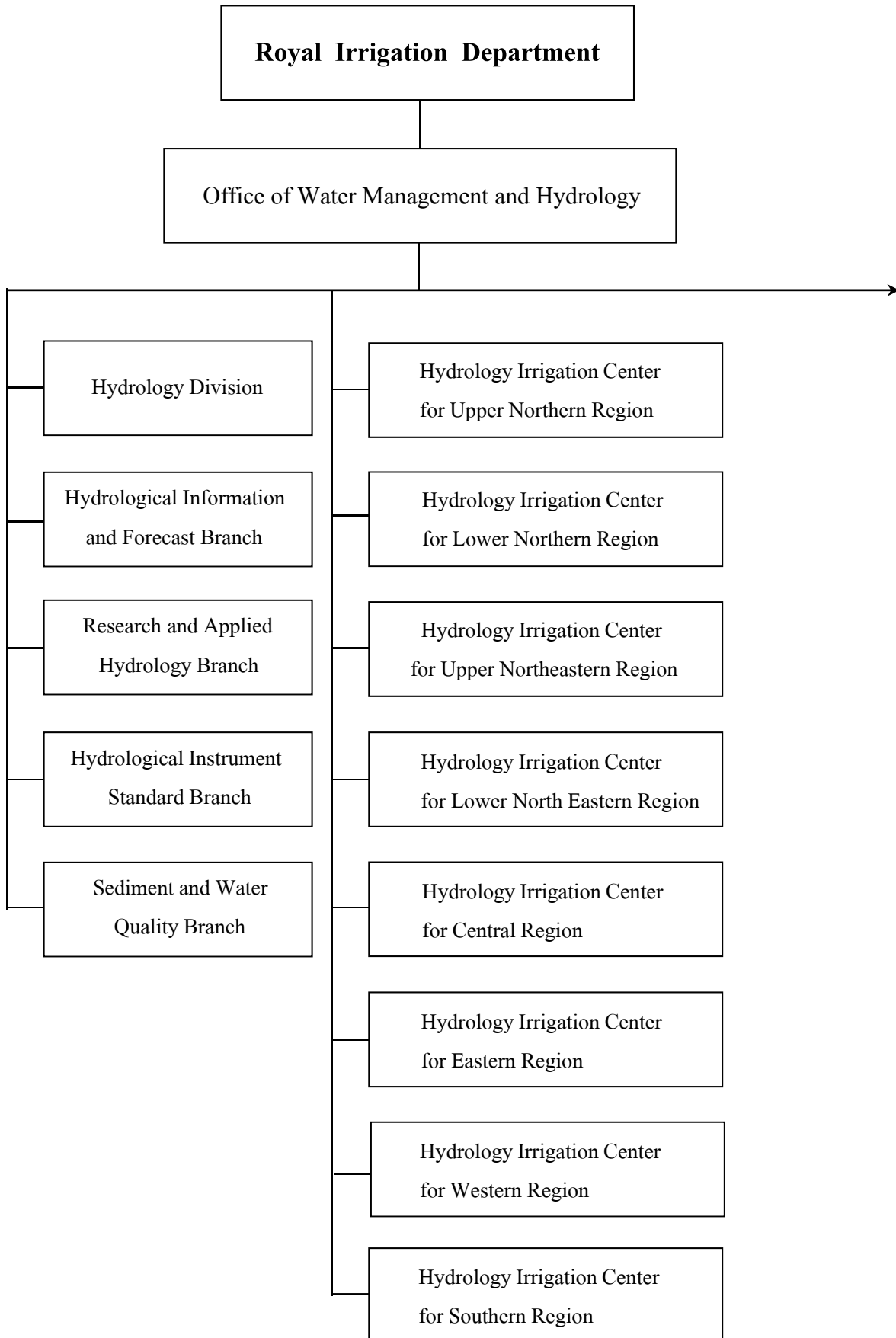
The Royal Irrigation Department (RID) has developed data system which include computerization of storage, Processing and retrieval of rainfall data since 1969. During the stream flow data system was being developed at RID in 1976, the National Economic and Social Development Board has made in agreement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

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

Organization

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

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



PARTICIPATION IN STREAM GAUGING WORKS

* * * * *

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

- (1) Procurement of basic hydrologic data including precipitation, stream flow, sediment, evaporation, etc.
- (2) Analyses and research to produce the facts governing the behavior of water, their occurrences, circulation and distribution in its varied forms, their properties and their interaction with other allied factors.
- (3) Application to water resources development and management, utilizing basic data and the facts disclosed by analyses and research.

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

After the onset of the Lower Mekong River Basin Development Scheme, the Hydrology Section was also established in the Investigation and Planning Division of the National Energy Administration which is a representative agency of Thai Government in the Lower Mekong Committee. During the period of November 1958 – 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 gauging works is the Hydrometeorology Division of the Meteorological Department. With the technical and financial support from the World Meteorological Organization, this agency began the stream gauging works in 1967. Up till now, about 11 discharge stations and 32 stage stations are under operation. The stream gauging data are also included in their yearbook.

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

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

UNITS OF MEASURE AND CONVERSION FACTORS

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

<u>Multiply metric or Thai units</u>	<u>By</u>	<u>To obtain English Unit</u>
<u>Length</u>		
millimeters (mm.)	.03973	inches (in)
meters (m.)	39.73	inches (in)
	3.2808	feet (ft)
	1.0936	yards (yd)
	.1988	rods
kilometers (km)	.6214	miles (mi)
<u>Area</u>		
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)
<u>Volume</u>		
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)

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<u>Multiply metric or Thai units</u>	<u>By</u>	<u>To obtain English Unit</u>
	<u>Flow</u>	
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 x 10 ⁻³	million gallons per day (mgd)
cubic meters per second (m ³ / s)	35.31	cubic feet per second (ft ³ / s)
	15,850	gallons per minute (gpm)
	22.82	million gallons per day (mgd)

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Stream Gauging Data

Water Year 2022

WATER YEAR : 2022**SALAWIN RIVER BASIN****Nam Mae Pai at Ban Tha Pong Daeng , Mae Hong Son (Sw.5A)**

Lat 19 - 16 - 13 N Long 97 - 56 - 43 E

Location : on left bank at Ban Tha Pong Daeng.

	Ban	Tha Pong Daeng	Amphoe	Mueang	Changwat	Mae Hong Son
Drainage Area	4,481	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+175.757 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the station office.				Elevation	+187.423 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1980 to date					
Rating Operation						
Period of Rating	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 46 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	175.44	175.50	175.63	176.51	176.08	176.74	176.68	176.04	175.85	175.68	175.58	175.54	
2	175.44	175.52	175.62	176.99	177.28	176.98	179.06	176.03	175.86	175.68	175.58	175.54	
3	175.45	175.80	175.60	176.65	176.99	176.61	178.60	176.01	175.84	175.67	175.58	175.54	
4	175.47	175.56	175.58	176.18	176.44	176.57	178.04	176.01	175.82	175.67	175.58	175.53	
5	175.48	175.58	175.57	175.96	176.42	176.43	177.46	176.00	175.79	175.66	175.57	175.53	
6	175.47	175.61	175.56	176.10	176.71	176.29	177.25	175.99	175.79	175.66	175.57	175.53	
7	175.52	175.56	175.56	176.41	176.74	176.29	177.06	175.97	175.79	175.65	175.57	175.53	
8	175.57	175.55	175.59	176.80	177.18	176.24	176.93	175.97	175.79	175.65	175.57	175.53	
9	175.56	175.66	175.57	176.98	178.21	176.34	176.97	175.96	175.78	175.64	175.56	175.53	
10	175.55	176.10	175.60	176.95	178.57	176.48	176.90	175.95	175.78	175.64	175.56	175.52	
11	175.51	176.17	175.61	177.11	177.35	177.11	176.80	175.94	175.77	175.64	175.56	175.52	
12	175.49	176.04	175.62	176.58	177.91	178.10	176.79	175.94	175.76	175.64	175.55	175.52	
13	175.47	175.82	175.61	176.44	179.09	178.53	176.74	175.91	175.75	175.63	175.55	175.52	
14	175.46	175.76	175.58	176.34	177.82	179.92	176.54	175.90	175.75	175.63	175.54	175.54	
15	175.45	175.65	175.60	176.30	177.24	178.72	176.74	175.90	175.74	175.63	175.54	175.56	
16	175.45	175.61	175.62	176.28	177.40	177.73	176.49	175.92	175.74	175.63	175.57	175.56	
17	175.54	175.60	175.65	176.20	177.44	177.32	176.41	175.96	175.73	175.63	175.67	175.55	
18	175.60	175.82	175.66	176.06	177.19	177.20	176.35	175.96	175.72	175.62	175.88	175.54	
19	175.78	175.73	175.65	175.98	176.90	177.65	176.31	175.95	175.73	175.62	175.76	175.54	
20	175.81	175.67	175.61	176.02	176.76	177.14	176.28	175.94	175.72	175.62	175.67	175.53	
21	175.65	175.81	175.60	176.30	176.83	177.53	176.22	175.94	175.72	175.62	175.63	175.52	
22	175.60	176.91	175.59	176.66	176.71	177.22	176.19	175.92	175.72	175.62	175.61	175.52	
23	175.55	176.07	175.59	176.50	176.84	177.16	176.17	175.90	175.71	175.62	175.60	175.51	
24	175.51	175.93	175.57	176.43	176.60	176.98	176.17	175.88	175.71	175.62	175.58	175.50	
25	175.49	175.83	175.57	176.31	176.48	176.92	176.15	175.86	175.70	175.60	175.57	175.49	
26	175.48	175.77	175.58	176.15	176.50	176.99	176.12	175.89	175.70	175.58	175.56	175.48	
27	175.47	175.71	175.64	176.11	177.36	177.03	176.11	175.89	175.70	175.58	175.55	175.48	
28	175.46	175.68	175.61	176.05	177.16	176.80	176.11	175.87	175.69	175.58	175.54	175.48	
29	175.46	175.64	175.60	176.10	176.84	176.63	176.10	175.84	175.68	175.58		175.48	
30	175.48	175.62	175.90	176.08	176.61	176.52	176.08	175.84	175.68	175.58		175.47	
31		175.62		176.06	176.46		176.06		175.68	175.58		175.47	
Mean	175.52	175.77	175.61	176.37	177.10	177.14	176.71	175.94	175.75	175.63	175.59	175.52	
Max	175.81	176.91	175.90	177.11	179.09	179.92	179.06	176.04	175.86	175.68	175.88	175.56	179.92
Min	175.44	175.50	175.56	175.96	176.08	176.24	176.06	175.84	175.68	175.58	175.54	175.47	175.44
Annual Max Momentary Gage Height	180.50		m. (MSL.) ,			at 16.00 Hours , on Sep 14, 2022							
Zero Gage at Bottom Elevation		175.76	m. (MSL.) ,			River Bed	174.56	m. (MSL.)					
Left Bank Elevation		183.88	m. (MSL.) ,										
Right Bank Elevation		181.49	m. (MSL.) ,			Drainage Are	4,481	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.10	9.50	18.04	90.55	50.90	114.70	108.40	47.70	33.40	21.44	14.70	12.10	
2	7.10	10.80	17.36	141.40	174.60	140.30	411.70	46.90	34.12	21.44	14.70	12.10	
3	7.50	29.80	16.00	105.25	141.40	101.05	346.00	45.30	32.68	20.76	14.70	12.10	
4	8.30	13.40	14.70	59.30	83.80	96.85	270.40	45.30	31.24	20.76	14.70	11.45	
5	8.70	14.70	14.05	41.50	81.90	82.85	196.50	44.50	29.10	20.08	14.05	11.45	
6	8.30	16.68	13.40	52.50	111.55	69.55	171.00	43.75	29.10	20.08	14.05	11.45	
7	10.80	13.40	13.40	80.95	114.70	69.55	149.25	42.25	29.10	19.40	14.05	11.45	
8	14.05	12.75	15.35	121.00	162.75	64.80	134.80	42.25	29.10	19.40	14.05	11.45	
9	13.40	20.08	14.05	140.30	293.35	74.30	139.20	41.50	28.40	18.72	13.40	11.45	
10	12.75	52.50	16.00	137.00	341.95	87.60	131.50	40.75	28.40	18.72	13.40	10.80	
11	10.15	58.45	16.68	154.88	183.00	154.88	121.00	40.00	27.70	18.72	13.40	10.80	
12	9.10	47.70	17.36	97.90	253.30	278.50	119.95	40.00	27.00	18.72	12.75	10.80	
13	8.30	31.24	16.68	83.80	416.05	336.55	114.70	37.75	26.30	18.04	12.75	10.80	
14	7.90	27.00	14.70	74.30	241.60	536.40	93.70	37.00	26.30	18.04	12.10	12.10	
15	7.50	19.40	16.00	70.50	169.80	362.80	114.70	37.00	25.60	18.04	12.10	13.40	
16	7.50	16.68	17.36	68.60	189.00	230.25	88.55	38.50	25.60	18.04	14.05	13.40	
17	12.10	16.00	19.40	61.00	194.00	179.40	80.95	41.50	24.90	18.04	20.76	12.75	
18	16.00	31.24	20.08	49.30	163.88	165.00	75.25	41.50	24.20	17.36	35.56	12.10	
19	28.40	24.90	19.40	43.00	131.50	220.25	71.45	40.75	24.90	17.36	27.00	12.10	
20	30.52	20.76	16.68	46.10	116.80	158.25	68.60	40.00	24.20	17.36	20.76	11.45	
21	19.40	30.52	16.00	70.50	124.15	205.25	62.90	40.00	24.20	17.36	18.04	10.80	
22	16.00	132.60	15.35	106.30	111.55	167.40	60.15	38.50	24.20	17.36	16.68	10.80	
23	12.75	50.10	15.35	89.50	125.20	160.50	58.45	37.00	23.50	17.36	16.00	10.15	
24	10.15	39.25	14.05	82.85	100.00	140.30	58.45	35.56	23.50	17.36	14.70	9.50	
25	9.10	31.96	14.05	71.45	87.60	133.70	56.75	34.12	22.80	16.00	14.05	9.10	
26	8.70	27.70	14.70	56.75	89.50	141.40	54.20	36.28	22.80	14.70	13.40	8.70	
27	8.30	23.50	18.72	53.35	184.20	145.88	53.35	36.28	22.80	14.70	12.75	8.70	
28	7.90	21.44	16.68	48.50	160.50	121.00	53.35	34.84	22.12	14.70	12.10	8.70	
29	7.90	18.72	16.00	52.50	125.20	103.15	52.50	32.68	21.44	14.70		8.70	
30	8.70	17.36	37.00	50.90	101.05	9							

WATER YEAR : 2022**SALAWIN RIVER BASIN****Huai Mae Lamao at Ban Mae Lamao , Tak (Sw.6)**

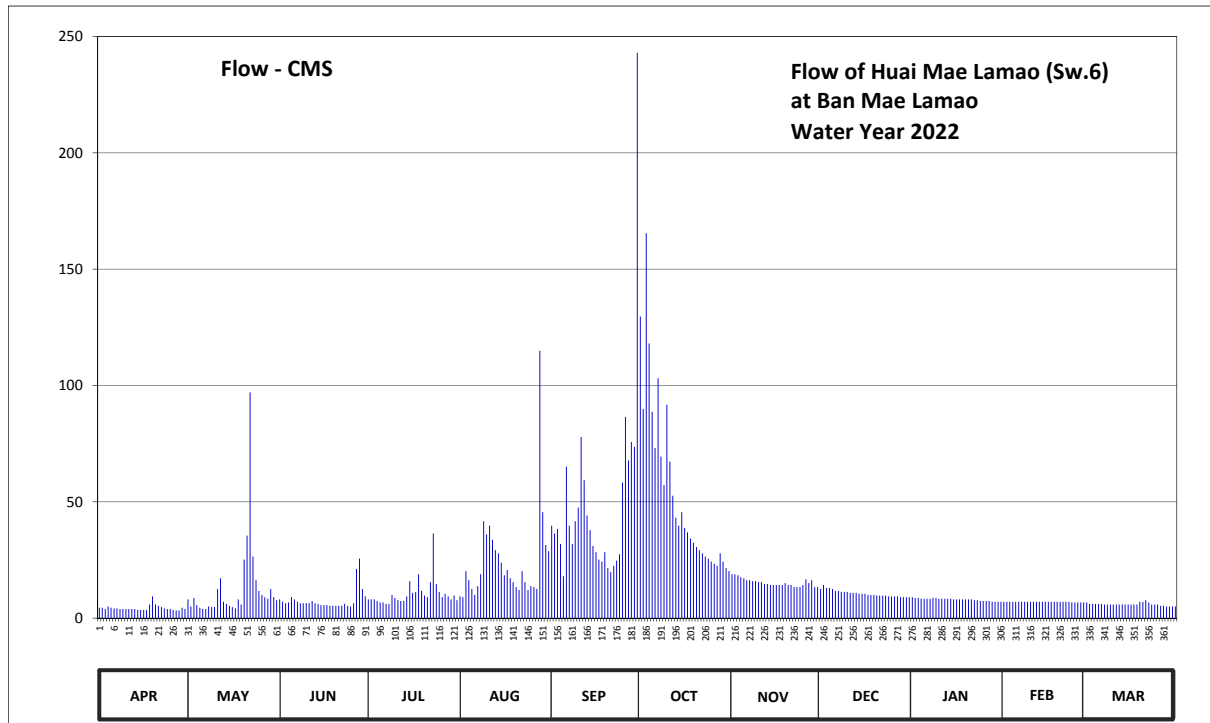
Lat 16 - 45 - 51 N Long 98 - 45 - 06 E

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

	Ban	Mae Lamao	Amphoe	Mae Sot	Changwat	Tak
Drainge Area	994	sq.km.				
Type of Gage	Staff gage.					
Zero Gage at Bottom	+268.470 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	About 6.25 meters from the automatic gage buiding.				Elevation	+278.846 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 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 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 15 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	268.82	268.94	268.94	268.94	268.98	269.67	271.26	269.21	269.06	268.97	268.91	268.90	
2	268.82	268.84	268.91	268.94	268.97	269.60	270.62	269.21	269.10	268.96	268.91	268.88	
3	268.80	268.96	268.89	268.94	269.24	269.64	271.77	269.20	269.07	268.96	268.91	268.88	
4	268.84	268.86	268.90	268.92	269.15	269.50	271.08	269.18	269.07	268.95	268.91	268.88	
5	268.82	268.82	268.97	268.90	269.06	269.19	270.60	269.17	269.06	268.95	268.91	268.88	
6	268.81	268.80	268.94	268.90	269.00	270.17	270.32	269.15	269.04	268.95	268.91	268.88	
7	268.81	268.80	268.91	268.88	269.09	269.67	270.84	269.15	269.04	268.95	268.91	268.87	
8	268.80	268.84	268.89	268.88	269.21	269.50	270.25	269.14	269.03	268.96	268.91	268.87	
9	268.80	268.83	268.89	269.00	269.71	269.71	270.02	269.14	269.03	268.96	268.91	268.87	
10	268.80	268.83	268.89	268.96	269.59	269.83	270.65	269.13	269.03	268.95	268.91	268.87	
11	268.80	269.06	268.89	268.93	269.67	270.41	270.21	269.13	269.02	268.95	268.91	268.87	
12	268.80	269.17	268.92	268.92	269.54	270.06	269.93	269.11	269.02	268.95	268.91	268.87	
13	268.80	268.91	268.89	268.92	269.44	269.76	269.74	269.11	269.02	268.95	268.91	268.87	
14	268.78	268.88	268.88	268.98	269.41	269.63	269.67	269.10	269.01	268.95	268.91	268.87	
15	268.78	268.85	268.86	269.14	269.32	269.48	269.79	269.10	269.01	268.94	268.91	268.87	
16	268.78	268.83	268.86	269.02	269.20	269.42	269.65	269.10	269.01	268.94	268.91	268.87	
17	268.78	268.81	268.86	269.03	269.25	269.35	269.61	269.10	269.00	268.94	268.91	268.87	
18	268.87	268.94	268.85	269.21	269.17	269.33	269.55	269.10	269.00	268.94	268.91	268.87	
19	268.98	268.87	268.85	269.04	269.13	269.42	269.51	269.12	269.00	268.94	268.91	268.91	
20	268.87	269.35	268.85	268.99	269.08	269.27	269.47	269.10	268.99	268.94	268.91	268.91	
21	268.85	269.58	268.85	268.97	269.05	269.23	269.44	269.10	268.99	268.94	268.91	268.93	
22	268.83	270.74	268.85	269.13	269.24	269.29	269.41	269.08	268.99	268.93	268.91	268.90	
23	268.81	269.38	268.88	269.60	269.13	269.34	269.38	269.08	268.99	268.93	268.91	268.87	
24	268.80	269.15	268.85	269.11	269.05	269.40	269.36	269.08	268.98	268.92	268.90	268.87	
25	268.80	269.04	268.84	269.03	269.09	270.04	269.33	269.10	268.98	268.92	268.90	268.87	
26	268.78	269.00	268.89	268.97	269.08	270.56	269.31	269.16	268.98	268.92	268.90	268.85	
27	268.77	268.97	269.26	269.01	269.06	270.22	269.29	269.12	268.98	268.92	268.90	268.85	
28	268.77	268.95	269.36	268.98	271.03	270.37	269.41	269.15	268.97	268.91	268.90	268.84	
29	268.82	269.06	269.06	268.94	269.79	270.33	269.33	269.08	268.97	268.91		268.84	
30	268.80	268.97	268.98	268.99	269.49	272.77	269.27	269.08	268.97	268.91		268.84	
31		268.93		268.93	269.43		269.24		268.97	268.91		268.84	
Mean	268.81	269.03	268.92	269.00	269.31	269.81	269.91	269.13	269.01	268.94	268.91	268.87	
Max	268.98	270.74	269.36	269.60	271.03	272.77	271.77	269.21	269.10	268.97	268.91	268.93	272.77
Min	268.77	268.80	268.84	268.88	268.97	269.19	269.24	269.08	268.97	268.91	268.90	268.84	268.77
Annual Max Momentary Gage Height	274.12		m. (MSL.) ,				at 09.00 Hours , on Sep 30, 2022						
Zero Gage at Bottom Elevation		268.47	m. (MSL.) ,			River Bed	268.51	m. (MSL.)					
Left Bank Elevation		280.67	m. (MSL.) ,										
Right Bank Elevation		280.75	m. (MSL.) ,			Drainage Are	994	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	4.46	8.02	8.02	8.02	9.34	39.76	129.62	18.85	12.52	9.01	7.03	6.70		
2	4.46	5.02	7.03	8.02	9.01	36.40	89.89	18.85	14.20	8.68	7.03	6.14		
3	3.90	8.68	6.42	8.02	20.20	38.32	165.43	18.40	12.94	8.68	7.03	6.14		
4	5.02	5.58	6.70	7.36	16.30	31.90	118.04	17.56	12.94	8.35	7.03	6.14		
5	4.46	4.46	9.01	6.70	12.52	17.98	88.70	17.14	12.52	8.35	7.03	6.14		
6	4.18	3.90	8.02	6.70	10.00	65.11	73.06	16.30	11.68	8.35	7.03	6.14		
7	4.18	3.90	7.03	6.14	13.78	39.76	103.08	16.30	11.68	8.35	7.03	5.86		
8	3.90	5.02	6.42	6.14	18.85	31.90	69.35	15.88	11.26	8.68	7.03	5.86		
9	3.90	4.74	6.42	10.00	41.68	41.68	57.16	15.88	11.26	8.68	7.03	5.86		
10	3.90	4.74	6.42	8.68	35.95	47.52	91.68	15.46	11.26	8.35	7.03	5.86		
11	3.90	12.52	6.42	7.69	39.76	77.87	67.23	15.46	10.84	8.35	7.03	5.86		
12	3.90	17.14	7.36	7.36	33.70	59.28	52.57	14.62	10.84	8.35	7.03	5.86		
13	3.90	7.03	6.42	7.36	29.20	44.08	43.12	14.62	10.84	8.35	7.03	5.86		
14	3.52	6.14	6.14	9.34	27.85	37.84	39.76	14.20	10.42	8.35	7.03	5.86		
15	3.52	5.30	5.58	15.88	23.80	31.00	45.52	14.20	10.42	8.02	7.03	5.86		
16	3.52	4.74	5.58	10.84	18.40	28.30	38.80	14.20	10.42	8.02	7.03	5.86		
17	3.52	4.18	5.58	11.26	20.65	25.15	36.88	14.20	10.00	8.02	7.03	5.86		
18	5.86	8.02	5.30	18.85	17.14	24.25	34.15	14.20	10.00	8.02	7.03	5.86		
19	9.34	5.86	5.30	11.68	15.46	28.30	32.35	15.04	10.00	8.02	7.03	7.03		
20	5.86	25.15	5.30	9.67	13.36	21.55	30.55	14.20	9.67	8.02	7.03	7.03		
21	5.30	35.50	5.30	9.01	12.10	19.75	29.20	14.20	9.67	8.02	7.03	7.69		
22	4.74	97.03	5.30	15.46	20.20	22.45	27.85	13.36	9.67	7.69	7.03	6.70		
23	4.18	26.50	6.14	36.40	15.46	24.70	26.50	13.36	9.67	7.69	7.03	5.86		
24	3.90	16.30	5.30	14.62	12.10	27.40	25.60	13.36	9.34	7.36	6.70	5.86		
25	3.90	11.68	5.02	11.26	13.78	58.22	24.25	14.20	9.34	7.36	6.70	5.86		
26	3.52	10.00	6.42	9.01	13.36	86.42	23.35	16.72	9.34	7.36	6.70	5.30		
27	3.33	9.01	21.10	10.42	12.52	67.76	22.45	15.04	9.34	7.36	6.70	5.30		
28	3.33	8.35	25.60	9.34	114.89	75.71	27.85	16.30	9.01	7.03	6.70	5.02		
29	4.46	12.52	12.52	8.02	45.52	73.59	24.25	13.36	9.01	7.03		5.02		
30	3.90	9.01	9.34	9.67	31.45	242.93	21.55	13.36	9.01	7.03		5.02		
31		7.69		7.69	28.75		20.20		9.01	7.03		5.02		
Total	129.76	393.73	232.51	326.61	747.08	1466.88	1679.99	458.82	328.12	247.96	195.19	184.43	6391.08	CMSDAY
Mean	4.33	12.70	7.75	10.54	24.10	48.90	54.19	15.29	10.58	8.00	6.97	5.95	17.51	CMS
Max	9.34	97.03	25.60	36.40	114.89	242.93	165.43	18.85	14.20	9.01	7.03	7.69	242.93	CMS
Min	3.33	3.90	5.02	6.14	9.01	17.98	20.20	13.36	9.01	7.03	6.70	5.02	3.33	CMS
Runoff	11.21	34.02	20.09	28.22	64.55	126.74	145.15	39.64	28.35	21.42	16.86	15.93	552.19	MCM
Momentary Peak	362.32 CMS. at 274.12 m. (MSL.) at 09.00 Hours , on Sep 30, 2022													
Runoff Yield	17.62	Liters/Second/Square KM.				Momentary Peak Yield 364.51				Liters/Second/Square KM.				

WATER YEAR : 2022

NAM MAE KOK RIVER BASIN

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

Lat 19 - 50 - 30 N Long 99 - 40 - 10 E

Location : on left bank at Ban Pang Rim Kon.

	Ban Pang Rim Kon	Amphoe Mueang	Changwat Chiang Rai
Drainge Area	49 sq.km.		
Type of Gage	Staff gage.		
Zero Gage at Bottom	+461.700 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 66.50 meters from the top staff gage.	Elevation	+465.100 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic means of 3 readings		
Period of Available Gage Records	1983 to date		
Rating Operation			
Period of Rating	2000 to date		
Rated by Float	-		
Rated by Current Meter	2000 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 23 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	462.89	462.88	462.90	462.98	463.02	463.18	463.32	463.13	463.05	463.01	462.99	462.97	
2	462.90	462.88	462.90	463.00	463.05	463.10	463.38	463.13	463.05	463.01	462.99	462.97	
3	462.90	462.89	462.90	462.97	463.03	463.04	463.52	463.13	463.05	463.01	462.99	462.97	
4	462.90	462.88	462.90	462.95	463.00	462.90	463.45	463.12	463.05	463.01	462.99	462.97	
5	462.90	462.88	462.90	462.96	463.07	463.39	463.32	463.12	463.05	463.01	462.99	462.97	
6	462.90	462.88	462.90	463.00	463.08	463.59	463.30	463.11	463.05	463.01	462.99	462.97	
7	462.90	462.88	462.90	463.00	463.13	463.38	463.29	463.10	463.04	463.01	462.99	462.97	
8	462.90	462.88	462.90	463.00	463.35	463.23	463.28	463.10	463.04	463.01	462.99	462.97	
9	462.89	462.88	462.90	463.00	463.26	463.32	463.28	463.10	463.04	463.01	462.99	462.97	
10	462.90	462.89	462.91	463.00	463.13	463.37	463.30	463.10	463.04	463.00	462.99	462.97	
11	462.90	462.91	462.90	463.00	463.30	463.42	463.25	463.09	463.04	463.01	462.99	462.97	
12	462.89	462.91	462.90	463.04	463.49	463.38	463.24	463.09	463.04	463.01	462.99	462.97	
13	462.89	462.90	462.90	463.06	463.23	463.28	463.23	463.08	463.03	463.00	462.99	462.97	
14	462.89	462.90	462.90	463.00	463.20	463.16	463.22	463.08	463.03	463.00	462.99	462.97	
15	462.89	462.90	462.90	462.95	463.20	463.15	463.22	463.08	463.03	463.00	462.99	462.97	
16	462.89	462.90	462.90	462.95	463.18	463.26	463.21	463.08	463.03	463.00	462.99	462.97	
17	462.89	462.90	462.90	462.95	463.18	463.40	463.18	463.08	463.03	463.00	462.99	462.97	
18	462.88	462.90	462.90	462.95	463.17	463.35	463.20	463.09	463.03	463.00	462.99	462.97	
19	462.89	462.90	462.91	462.95	463.17	463.25	463.18	463.08	463.03	463.00	462.98	462.97	
20	462.88	462.90	462.92	462.98	463.16	463.25	463.18	463.07	463.03	463.00	462.98	462.97	
21	462.89	463.33	462.92	463.31	463.16	463.23	463.17	463.04	463.03	463.00	462.97	462.97	
22	462.89	463.04	462.91	463.30	463.15	463.24	463.17	463.05	463.03	463.00	462.97	462.97	
23	462.89	463.06	462.90	463.79	463.13	463.39	463.17	463.07	463.03	463.00	462.97	462.97	
24	462.89	463.00	462.90	463.00	463.11	463.41	463.15	463.06	463.03	463.00	462.97	462.97	
25	462.89	462.96	462.90	463.00	463.11	463.42	463.15	463.06	463.02	463.00	462.97	462.97	
26	462.88	462.88	462.90	463.00	463.17	463.50	463.15	463.06	463.02	463.00	462.97	462.97	
27	462.88	462.88	462.90	463.00	463.25	463.27	463.15	463.06	463.02	463.00	462.97	462.97	
28	462.88	462.88	462.91	463.00	463.16	463.23	463.14	463.06	463.02	463.00	462.97	462.95	
29	462.88	462.88	462.90	463.00	463.12	463.22	463.14	463.06	463.02	463.00		462.96	
30	462.88	462.88	462.90	463.10	463.10	463.20	463.14	463.05	463.02	463.00		462.96	
31		462.88		463.03	463.10		463.13		463.02	463.00		462.96	
Mean	462.89	462.92	462.90	463.04	463.16	463.28	463.23	463.08	463.03	463.00	462.98	462.97	
Max	462.90	463.33	462.92	463.79	463.49	463.59	463.52	463.13	463.05	463.01	462.99	462.97	463.79
Min	462.88	462.88	462.90	462.95	463.00	462.90	463.13	463.04	463.02	463.00	462.97	462.95	462.88
Annual Max Momentary Gage Height	465.05	m. (MSL.) ,		at 03.00 Hours , on Jul 23, 2022									
Zero Gage at Bottom Elevation	461.70		m. (MSL.) ,		River Bed		462.64	m. (MSL.)					
Left Bank Elevation	465.77		m. (MSL.) ,										
Right Bank Elevation	465.77		m. (MSL.) ,		Drainage Are		49	Square Kilometers					

WATER YEAR : 2022

NAM MAE KOK RIVER BASIN

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

Lat 19 - 47 - 37 N Long 99 - 44 - 59 E

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

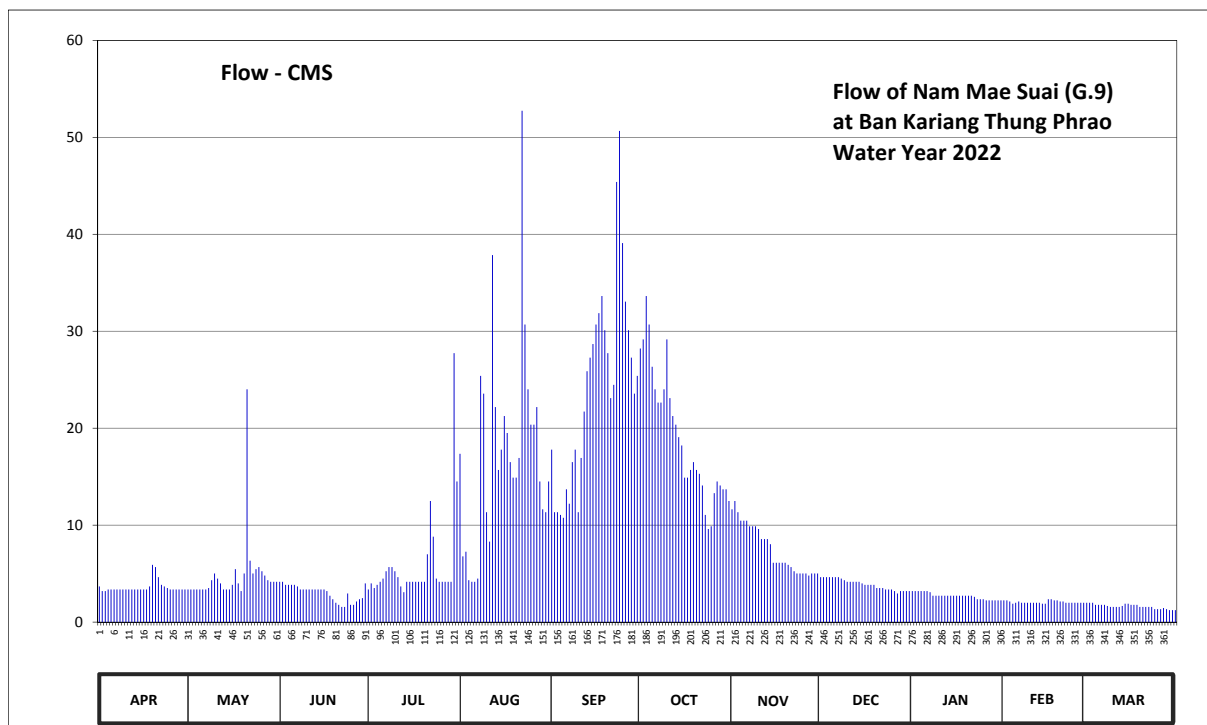
	Ban	Ton Yang	Amphoe	Mae Lao	Changwat	Chiang Rai
Drainage Area	2,943	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+405.100	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 8 meters from the top staff gage.				Elevation	+410.832 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1994 to date					
Rating Operation						
Period of Rating	1994 to date					
Rated by Float	-					
Rated by Current Meter	1994 to date					
Stability of Channel Regimes	Fairly stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Mae Lao weir situated about 10 kilometers above gage site. Stage-discharge relation defined by 42 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	404.84	405.36	405.61	407.67	407.25	406.71	408.20	406.36	406.16	404.86	404.76	404.79		
2	404.94	405.48	405.74	409.26	407.51	406.63	409.07	406.29	406.18	404.86	404.75	404.79		
3	405.21	405.72	405.52	408.55	407.10	406.55	409.25	406.29	406.20	404.86	404.77	404.79		
4	405.23	405.71	405.24	407.35	406.70	406.45	409.27	406.34	406.19	404.83	404.75	404.79		
5	405.11	405.59	405.19	406.49	406.44	407.01	409.10	406.33	406.15	404.81	404.77	404.80		
6	404.99	405.50	405.19	406.37	407.39	407.81	408.63	406.34	406.11	404.81	404.77	404.79		
7	404.93	405.48	405.19	406.19	407.60	407.28	408.28	406.30	406.07	404.82	404.75	404.78		
8	404.90	405.80	405.16	406.16	408.64	407.02	407.92	406.25	406.05	404.80	404.75	404.79		
9	404.90	405.96	405.09	406.20	409.51	407.41	407.79	406.20	406.04	404.81	404.75	404.79		
10	404.96	405.89	405.09	405.96	409.07	407.82	408.02	406.13	406.03	404.82	404.76	404.79		
11	404.92	405.95	405.08	406.10	408.54	408.78	408.28	406.33	406.01	404.81	404.76	404.80		
12	404.90	406.06	405.06	406.25	408.78	409.20	408.03	406.31	405.99	404.81	404.75	404.82		
13	404.83	406.09	405.08	406.45	409.20	408.93	407.84	406.22	405.97	404.80	404.73	404.83		
14	404.81	406.06	405.19	406.79	408.68	408.72	407.71	406.22	405.96	404.79	404.73	404.83		
15	404.83	405.92	405.17	406.96	408.19	408.64	407.61	406.19	405.94	404.79	404.73	404.88		
16	404.82	405.75	405.24	406.94	407.77	408.40	407.47	406.16	405.92	404.79	404.75	404.90		
17	404.76	405.59	405.36	406.65	407.74	408.02	407.29	406.36	405.79	404.79	404.78	404.85		
18	404.87	406.01	405.27	406.30	407.42	408.17	407.02	406.67	405.87	404.81	404.79	404.82		
19	405.17	406.49	405.27	405.95	407.24	408.05	406.84	406.75	405.86	404.82	404.83	404.81		
20	405.14	406.36	405.21	406.10	407.00	407.69	406.78	406.53	405.84	404.82	404.83	404.82		
21	405.20	406.69	405.13	406.08	407.33	407.77	406.74	406.45	405.84	404.79	404.83	404.82		
22	405.20	408.99	405.13	407.00	408.32	407.65	406.71	406.45	405.83	404.82	404.81	404.80		
23	405.19	409.64	405.01	408.27	408.40	408.25	406.65	406.38	405.82	404.82	404.80	404.79		
24	405.16	409.38	405.29	408.17	407.60	409.17	406.72	406.30	405.71	404.82	404.81	404.78		
25	405.07	408.53	405.29	407.54	407.16	408.75	406.67	406.20	405.38	404.80	404.80	404.78		
26	405.02	407.78	405.15	406.78	407.15	408.60	406.56	406.27	405.30	404.80	404.80	404.77		
27	404.99	407.20	405.07	406.05	407.91	409.00	406.51	406.33	405.26	404.80	404.79	404.77		
28	404.94	406.81	405.02	405.70	407.59	408.70	406.51	406.31	405.11	404.79	404.79	404.77		
29	404.92	406.54	404.99	405.48	407.29	408.29	406.54	406.30	405.05	404.78		404.77		
30	405.07	406.32	405.99	405.40	407.03	408.00	406.49	406.22	404.98	404.76		404.76		
31		405.72		406.36	406.83		406.41		404.88	404.76		404.75		
Mean	404.99	406.46	405.23	406.69	407.75	407.98	407.51	406.33	405.79	404.81	404.77	404.80		
Max	405.23	409.64	405.99	409.26	409.51	409.20	409.27	406.75	406.20	404.86	404.83	404.90	409.64	
Min	404.76	405.36	404.99	405.40	406.44	406.45	406.41	406.13	404.88	404.76	404.73	404.75	404.73	
Annual Max Momentary Gage Height		409.74	m. (MSL.) , at 03:00 Hours , on May 23, 2022											
Zero Gage at Bottom Elevation			405.10	m. (MSL.) , River Bed 404.26 m. (MSL.)										
Left Bank Elevation			410.61	m. (MSL.) ,										
Right Bank Elevation			410.59	m. (MSL.) , Drainage Are 2,943 Square Kilometers										

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.10	6.96	11.53	91.85	70.50	45.72	123.00	32.62	25.92	1.20	0.74	0.86	
2	1.76	9.04	14.56	199.10	83.50	42.36	184.25	30.21	26.51	1.20	0.70	0.86	
3	4.74	14.08	9.78	146.50	63.25	39.33	198.25	30.21	27.10	1.20	0.78	0.86	
4	5.02	13.84	5.16	75.50	45.30	35.78	199.95	31.93	26.81	1.05	0.70	0.86	
5	3.52	11.11	4.48	37.20	35.42	58.98	186.50	31.59	25.63	0.95	0.78	0.90	
6	2.21	9.40	4.48	32.97	77.50	99.60	152.10	31.93	24.45	0.95	0.78	0.86	
7	1.67	9.04	4.48	26.81	88.00	72.00	128.20	30.55	23.27	1.00	0.70	0.82	
8	1.40	16.00	4.12	25.92	152.80	59.45	106.20	28.83	22.68	0.90	0.70	0.86	
9	1.40	20.12	3.29	27.10	220.90	78.50	98.45	27.10	22.38	0.95	0.70	0.86	
10	1.94	18.25	3.29	20.12	184.25	100.20	112.20	25.04	22.09	1.00	0.74	0.86	
11	1.58	19.85	3.18	24.15	145.80	162.60	128.20	31.59	21.50	0.95	0.74	0.90	
12	1.40	22.97	2.96	28.83	162.60	194.00	112.80	30.90	20.93	0.95	0.70	1.00	
13	1.05	23.86	3.18	35.78	194.00	173.75	101.40	27.79	20.39	0.90	0.62	1.05	
14	0.95	22.97	4.48	49.08	155.60	158.40	94.05	27.79	20.12	0.86	0.62	1.05	
15	1.05	19.04	4.24	56.70	122.40	152.80	88.55	26.81	19.58	0.86	0.62	1.30	
16	1.00	14.80	5.16	55.80	97.35	136.00	81.50	25.92	19.04	0.86	0.70	1.40	
17	0.74	11.11	6.96	43.20	95.70	112.20	72.50	32.62	15.76	0.86	0.82	1.15	
18	1.25	21.50	5.58	30.55	79.00	121.20	59.45	44.04	17.75	0.95	0.86	1.00	
19	4.24	37.20	5.58	19.85	70.00	114.00	51.30	47.40	17.50	1.00	1.05	0.95	
20	3.88	32.62	4.74	24.15	58.50	92.95	48.66	38.62	17.00	1.00	1.05	1.00	
21	4.60	44.88	3.76	23.56	74.50	97.35	46.98	35.78	17.00	0.86	1.05	1.00	
22	4.60	178.25	3.76	58.50	130.80	90.75	45.72	35.78	16.75	1.00	0.95	0.90	
23	4.48	232.60	2.41	127.55	136.00	126.25	43.20	33.31	16.50	1.00	0.90	0.86	
24	4.12	209.30	5.86	121.20	88.00	191.75	46.14	30.55	13.84	1.00	0.95	0.82	
25	3.07	145.10	5.86	85.00	66.10	160.50	44.04	27.10	7.28	0.90	0.90	0.82	
26	2.52	97.90	4.00	48.66	65.63	150.00	39.68	29.52	6.00	0.90	0.90	0.78	
27	2.21	68.00	3.07	22.68	105.60	179.00	37.91	31.59	5.44	0.90	0.86	0.78	
28	1.76	49.95	2.52	13.60	87.50	157.00	37.91	30.90	3.52	0.86	0.86	0.78	
29	1.58	38.97	2.21	9.04	72.50	128.85	38.97	30.55	2.85	0.82		0.78	
30	3.07	31.24	20.93	7.60	59.93	111.00	37.20	27.79	2.12	0.74		0.74	
31		14.08		32.62	50.85		34.36		1.30	0.74			

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	515.63	515.61	515.66	515.61	516.12	516.13	516.36	515.97	515.69	515.60	515.52	515.50	
	2	515.60	515.61	515.66	515.65	515.79	515.96	516.38	516.00	515.69	515.60	515.52	515.50	
	3	515.60	515.61	515.64	515.62	515.81	515.96	516.46	515.96	515.69	515.60	515.51	515.50	
	4	515.61	515.61	515.64	515.64	515.67	515.95	516.41	515.93	515.69	515.60	515.49	515.48	
	5	515.61	515.61	515.64	515.66	515.66	515.94	516.32	515.93	515.69	515.60	515.50	515.48	
	6	515.61	515.61	515.64	515.68	515.66	516.03	516.27	515.93	515.69	515.60	515.51	515.48	
	7	515.61	515.61	515.63	515.72	515.68	515.99	516.24	515.91	515.69	515.59	515.50	515.48	
	8	515.61	515.62	515.61	515.74	516.30	516.10	516.24	515.91	515.68	515.56	515.50	515.47	
	9	515.61	515.67	515.61	515.74	516.26	516.13	516.27	515.91	515.67	515.56	515.50	515.46	
	10	515.61	515.71	515.61	515.72	515.96	515.96	516.38	515.90	515.66	515.56	515.50	515.46	
	11	515.61	515.68	515.61	515.69	515.85	516.11	516.25	515.86	515.66	515.56	515.50	515.46	
	12	515.61	515.65	515.61	515.63	516.53	516.22	516.21	515.86	515.66	515.56	515.50	515.46	
	13	515.61	515.61	515.61	515.59	516.23	516.31	516.19	515.86	515.66	515.56	515.50	515.47	
	14	515.61	515.61	515.61	515.66	516.08	516.34	516.16	515.84	515.66	515.56	515.49	515.49	
	15	515.61	515.61	515.61	515.66	516.13	516.37	516.14	515.76	515.65	515.56	515.49	515.49	
	16	515.61	515.64	515.61	515.66	516.21	516.41	516.06	515.76	515.64	515.56	515.53	515.48	
	17	515.61	515.73	515.60	515.66	516.17	516.43	516.06	515.76	515.64	515.56	515.53	515.48	
	18	515.63	515.65	515.56	515.66	516.10	516.46	516.08	515.76	515.64	515.56	515.52	515.48	
	19	515.75	515.60	515.53	515.66	516.06	516.40	516.10	515.76	515.64	515.56	515.52	515.46	
	20	515.74	515.71	515.50	515.66	516.06	516.35	516.08	515.75	515.62	515.56	515.51	515.46	
	21	515.69	516.27	515.48	515.80	516.11	516.25	516.07	515.74	515.62	515.56	515.51	515.46	
	22	515.64	515.77	515.46	516.00	516.76	516.28	516.04	515.72	515.62	515.55	515.50	515.46	
	23	515.63	515.71	515.46	515.87	516.41	516.65	515.95	515.71	515.61	515.53	515.50	515.46	
	24	515.62	515.73	515.58	515.68	516.27	516.73	515.90	515.71	515.61	515.53	515.50	515.44	
	25	515.61	515.74	515.48	515.66	516.19	516.55	515.91	515.71	515.61	515.53	515.50	515.44	
	26	515.61	515.72	515.48	515.66	516.19	516.45	516.02	515.71	515.60	515.52	515.50	515.44	
	27	515.61	515.70	515.51	515.66	516.23	516.40	516.05	515.70	515.58	515.52	515.50	515.45	
	28	515.61	515.67	515.53	515.66	516.05	516.34	516.04	515.71	515.60	515.52	515.50	515.44	
	29	515.61	515.66	515.54	515.66	515.97	516.26	516.03	515.71	515.60	515.52		515.43	
	30	515.61	515.66	515.65	516.35	515.96	516.30	516.03	515.71	515.60	515.52		515.43	
	31		515.66		516.05	516.05		516.00		515.60	515.52		515.43	
Mean		515.62	515.68	515.58	515.72	516.08	516.26	516.15	515.81	515.64	515.56	515.51	515.47	
Max		515.75	516.27	515.66	516.35	516.76	516.73	516.46	516.00	515.69	515.60	515.53	515.50	516.76
Min		515.60	515.60	515.46	515.59	515.66	515.94	515.90	515.70	515.58	515.52	515.49	515.43	515.43
Annual Max Momentary Gage Height		517.45			m. (MSL) , at 14.00 Hours , on Aug 22, 2022									
Zero Gage at Bottom Elevation		514.66			m. (MSL) ,		River Bed		514.13		m. (MSL.)			
Left Bank Elevation		521.61			m. (MSL) ,									
Right Bank Elevation		521.61			m. (MSL.) ,		Drainage Are		388		Square Kilometers			



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.68	3.36	4.16	3.36	17.36	17.79	28.22	11.63	4.64	3.20	2.24	2.00	
2	3.20	3.36	4.16	4.00	6.78	11.34	29.16	12.50	4.64	3.20	2.24	2.00	
3	3.20	3.36	3.84	3.52	7.26	11.34	33.64	11.34	4.64	3.20	2.12	2.00	
4	3.36	3.36	3.84	3.84	4.32	11.05	30.69	10.47	4.64	3.20	1.89	1.78	
5	3.36	3.36	3.84	4.16	4.16	10.76	26.34	10.47	4.64	3.20	2.00	1.78	
6	3.36	3.36	3.84	4.48	4.16	13.70	24.02	10.47	4.64	3.20	2.12	1.78	
7	3.36	3.36	3.68	5.24	4.48	12.21	22.64	9.89	4.64	3.08	2.00	1.78	
8	3.36	3.52	3.36	5.68	25.40	16.50	22.64	9.89	4.48	2.72	2.00	1.67	
9	3.36	4.32	3.36	5.68	23.56	17.79	24.02	9.89	4.32	2.72	2.00	1.56	
10	3.36	5.02	3.36	5.24	11.34	11.34	29.16	9.60	4.16	2.72	2.00	1.56	
11	3.36	4.48	3.36	4.64	8.30	16.93	23.10	8.56	4.16	2.72	2.00	1.56	
12	3.36	4.00	3.36	3.68	37.86	21.72	21.26	8.56	4.16	2.72	2.00	1.56	
13	3.36	3.36	3.36	3.08	22.18	25.87	20.37	8.56	4.16	2.72	2.00	1.67	
14	3.36	3.36	3.36	4.16	15.70	27.28	19.08	8.04	4.16	2.72	1.89	1.89	
15	3.36	3.36	3.36	4.16	17.79	28.69	18.22	6.12	4.00	2.72	1.89	1.89	
16	3.36	3.84	3.36	4.16	21.26	30.69	14.90	6.12	3.84	2.72	2.36	1.78	
17	3.36	5.46	3.20	4.16	19.51	31.87	14.90	6.12	3.84	2.72	2.36	1.78	
18	3.68	4.00	2.72	4.16	16.50	33.64	15.70	6.12	3.84	2.72	2.24	1.78	
19	5.90	3.20	2.36	4.16	14.90	30.10	16.50	6.12	3.84	2.72	2.24	1.56	
20	5.68	5.02	2.00	4.16	14.90	27.75	15.70	5.90	3.52	2.72	2.12	1.56	
21	4.64	24.02	1.78	7.00	16.93	23.10	15.30	5.68	3.52	2.72	2.12	1.56	
22	3.84	6.34	1.56	12.50	52.74	24.48	14.10	5.24	3.52	2.60	2.00	1.56	
23	3.68	5.02	1.56	8.82	30.69	45.40	11.05	5.02	3.36	2.36	2.00	1.56	
24	3.52	5.46	2.96	4.48	24.02	50.67	9.60	5.02	3.36	2.36	2.00	1.34	
25	3.36	5.68	1.78	4.16	20.37	39.10	9.89	5.02	3.36	2.36	2.00	1.34	
26	3.36	5.24	1.78	4.16	20.37	33.05	13.30	5.02	3.20	2.24	2.00	1.34	
27	3.36	4.80	2.12	4.16	22.18	30.10	14.50	4.80	2.96	2.24	2.00	1.45	
28	3.36	4.32	2.36	4.16	14.50	27.28	14.10	5.02	3.20	2.24	2.00	1.34	
29	3.36	4.16	2.48	4.16	11.63	23.56	13.70	5.02	3.20	2.24		1.23	
30	3.36	4.16	4.00	27.75	11.34	25.40	13.70	5.02	3.20	2.24		1.23	
31		4.16		14.50	14.50		12.50		3.20	2.24		1.23	
Total	108.22	149.82	90.26	181.57	536.99	730.50	592.00	227.23	121.04	83.48	57.83	50.12	2929.06 CMSDAY
Mean	3.61	4.83	3.01	5.86	17.32	24.35	19.10	7.57	3.90	2.69	2.07	1.62	8.02 CMS
Max	5.90	24.02	4.16	27.75	52.74	50.67	33.64	12.50	4.64	3.20	2.36	2.00	52.74 CMS
Min	3.20	3.20	1.56	3.08	4.16	10.76	9.60	4.80	2.96	2.24	1.89	1.23	1.23 CMS
Runoff	9.35	12.94	7.80	15.69	46.40	63.12	51.15	19.63	10.46	7.21	5.00	4.33	253.07 MCM
Momentary Peak	113.50 CMS. at 517.45 m. (MSL.) at 14.00 Hours , on Aug 22, 2022												
Runoff Yield	20.79	Liters/Second/Square KM.		Momentary Peak Yield		294.04	Liters/Second/Square KM.						

WATER YEAR : 2022**NAM MAE KOK RIVER BASIN****Nam Mae Lao at Ban Pong Poo Fuang , Chiang Rai (G.10)**

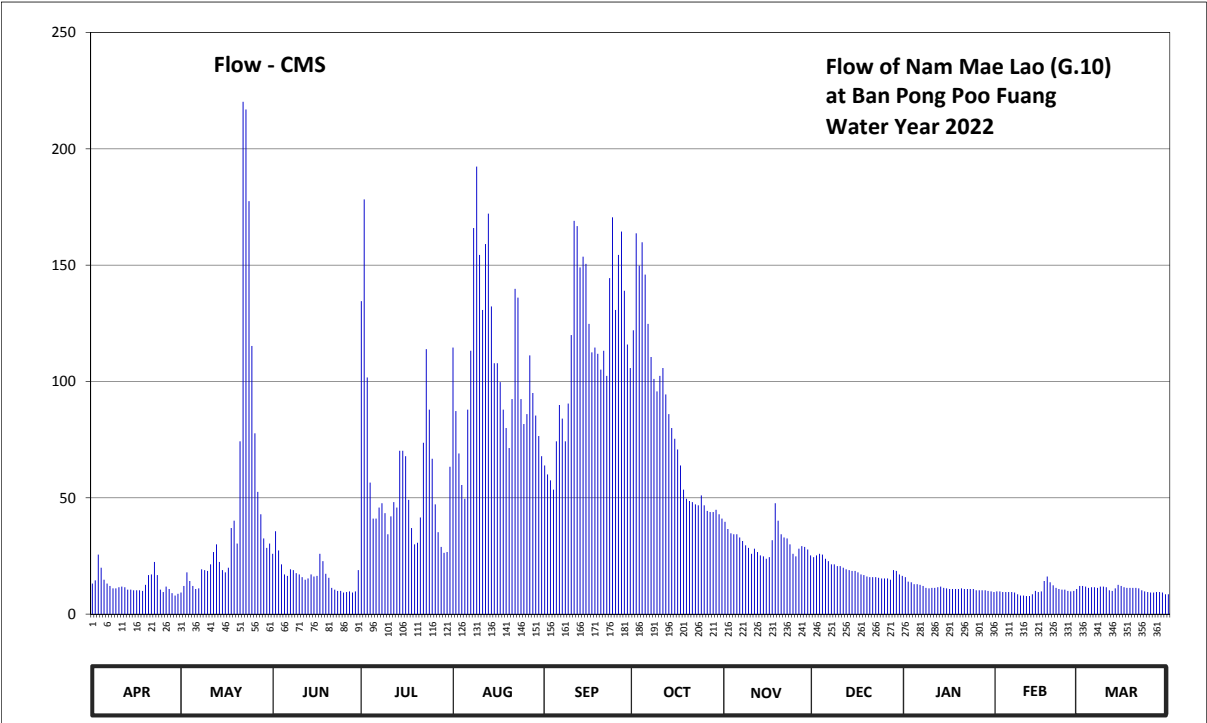
Lat 19 - 42 - 45 N Long 99 - 37 - 15 E

Location : on right bank at Ban Pong Poo Fuang.

	Ban	Pong Poo Fuang	Amphoe	Mae Suai	Changwat	Chiang Rai
Drainage Area	2,618	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+433.473 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On right bank at the abutment of the bridge.				Elevation	+439.133 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2003 to date					
Rating Operation						
Period of Rating	2003 to date					
Rated by Float	-					
Rated by Current Meter	2003 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 37 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	433.62	433.47	434.02	435.94	435.66	434.85	435.77	434.36	433.98	433.72	433.49	433.58	
2	433.67	433.58	434.27	436.51	435.25	434.78	436.32	434.29	434.00	433.65	433.49	433.58	
3	434.01	433.79	434.06	435.47	434.94	434.73	436.14	434.25	434.02	433.64	433.48	433.57	
4	433.85	433.66	433.89	434.71	434.69	434.65	436.27	434.24	434.01	433.61	433.48	433.55	
5	433.68	433.58	433.76	434.39	434.57	435.03	436.09	434.24	433.96	433.61	433.48	433.56	
6	433.62	433.53	433.74	434.39	435.26	435.29	435.81	434.21	433.93	433.60	433.48	433.56	
7	433.58	433.54	433.83	434.49	435.64	435.20	435.60	434.17	433.89	433.58	433.47	433.55	
8	433.54	433.83	433.82	434.53	436.35	435.03	435.46	434.12	433.89	433.55	433.44	433.57	
9	433.54	433.82	433.78	434.44	436.69	435.30	435.38	434.09	433.87	433.54	433.42	433.57	
10	433.56	433.81	433.76	434.24	436.20	435.74	435.48	434.02	433.87	433.55	433.42	433.56	
11	433.57	433.89	433.72	434.41	435.89	436.39	435.53	434.08	433.85	433.55	433.41	433.51	
12	433.56	434.04	433.68	434.54	436.26	436.36	435.36	434.04	433.83	433.56	433.41	433.50	
13	433.52	434.13	433.70	434.49	436.43	436.13	435.23	434.00	433.82	433.57	433.44	433.54	
14	433.52	433.92	433.76	434.96	435.91	436.19	435.13	433.99	433.81	433.55	433.50	433.60	
15	433.51	433.82	433.73	434.96	435.56	436.15	435.05	433.96	433.81	433.54	433.48	433.58	
16	433.51	433.79	433.74	434.92	435.56	435.81	434.97	433.98	433.79	433.53	433.49	433.56	
17	433.51	433.85	434.02	434.56	435.44	435.63	434.85	434.18	433.76	433.53	433.66	433.55	
18	433.50	434.30	433.93	434.30	435.26	435.66	434.65	434.53	433.75	433.53	433.73	433.55	
19	433.60	434.37	433.77	434.13	435.13	435.62	434.57	434.37	433.73	433.53	433.64	433.55	
20	433.75	434.14	433.71	434.15	434.98	435.52	434.55	434.24	433.72	433.54	433.59	433.55	
21	433.76	435.03	433.55	434.40	435.33	435.64	434.54	434.21	433.72	433.53	433.55	433.54	
22	433.92	437.03	433.52	435.02	436.01	435.48	434.52	434.20	433.72	433.53	433.53	433.51	
23	433.75	436.99	433.50	435.65	435.96	436.07	434.51	434.13	433.71	433.53	433.52	433.49	
24	433.52	436.50	433.50	435.26	435.33	436.41	434.60	434.02	433.70	433.53	433.52	433.48	
25	433.48	435.67	433.47	434.90	435.16	435.89	434.51	433.99	433.70	433.51	433.50	433.47	
26	433.57	435.09	433.48	434.52	435.23	436.20	434.46	434.08	433.70	433.51	433.49	433.47	
27	433.53	434.63	433.49	434.26	435.61	436.33	434.45	434.11	433.68	433.51	433.50	433.48	
28	433.46	434.43	433.47	434.10	435.37	436.00	434.45	434.10	433.82	433.51	433.53	433.48	
29	433.42	434.20	433.49	434.03	435.22	435.68	434.47	434.07	433.81	433.50		433.47	
30	433.45	434.09	433.82	434.04	435.07	435.53	434.43	434.00	433.76	433.49		433.44	
31		434.14		434.84	434.92		434.39		433.74	433.48		433.44	
Mean	433.60	434.34	433.73	434.70	435.51	435.64	435.08	434.14	433.82	433.55	433.50	433.53	
Max	434.01	437.03	434.27	436.51	436.69	436.41	436.32	434.53	434.02	433.72	433.73	433.60	437.03
Min	433.42	433.47	433.47	434.03	434.57	434.65	434.39	433.96	433.68	433.48	433.41	433.44	433.41
Annual Max Momentary Gage Height	437.18	m. (MSL.) ,		at 15.00 Hours , on May 22, 2022									
Zero Gage at Bottom Elevation	433.47	m. (MSL.) ,		River Bed		432.69	m. (MSL.)						
Left Bank Elevation		438.91	m. (MSL.) ,										
Right Bank Elevation		438.92	m. (MSL.) ,		Drainage Are	2,618	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	13.14	9.25	25.93	134.50	114.55	63.88	121.98	39.70	24.50	15.88	9.75	12.08		
	2	14.49	12.08	35.65	178.27	87.25	60.00	163.64	36.55	25.20	13.95	9.75	12.08		
	3	25.57	17.91	27.39	101.73	69.05	57.50	149.78	34.75	25.93	13.68	9.50	11.82		
	4	19.95	14.22	21.35	56.50	55.50	53.50	159.79	34.30	25.57	12.87	9.50	11.30		
	5	14.76	12.08	17.04	41.05	49.58	74.23	145.93	34.30	23.80	12.87	9.50	11.56		
	6	13.14	10.78	16.46	41.05	87.90	89.85	124.75	32.95	22.75	12.60	9.50	11.56		
	7	12.08	11.04	19.25	45.78	113.20	84.00	110.50	31.41	21.35	12.08	9.25	11.30		
	8	11.04	19.25	18.90	47.68	165.95	74.23	101.05	29.58	21.35	11.30	8.50	11.82		
	9	11.04	18.90	17.62	43.40	192.31	90.50	95.70	28.49	20.65	11.04	8.00	11.82		
	10	11.56	18.55	17.04	34.30	154.40	119.95	102.40	25.93	20.65	11.30	8.00	11.56		
	11	11.82	21.35	15.88	41.98	130.75	169.03	105.78	28.12	19.95	11.30	7.75	10.26		
	12	11.56	26.66	14.76	48.15	159.02	166.72	94.40	26.66	19.25	11.56	7.75	10.00		
	13	10.52	29.95	15.30	45.78	172.11	149.01	85.95	25.20	18.90	11.82	8.50	11.04		
	14	10.52	22.40	17.04	70.20	132.25	153.63	79.98	24.85	18.55	11.30	10.00	12.60		
	15	10.26	18.90	16.17	70.20	107.80	150.55	75.38	23.80	18.55	11.04	9.50	12.08		
	16	10.26	17.91	16.46	67.90	107.80	124.75	70.78	24.50	17.91	10.78	9.75	11.56		
	17	10.26	19.95	25.93	49.10	99.70	112.53	63.88	31.77	17.04	10.78	14.22	11.30		
	18	10.00	37.00	22.75	37.00	87.90	114.55	53.50	47.68	16.75	10.78	16.17	11.30		
	19	12.60	40.15	17.33	29.95	79.98	111.85	49.58	40.15	16.17	10.78	13.68	11.30		
	20	16.75	30.31	15.59	30.68	71.35	105.10	48.63	34.30	15.88	11.04	12.34	11.30		
	21	17.04	74.23	11.30	41.50	92.45	113.20	48.15	32.95	15.88	10.78	11.30	11.04		
	22	22.40	220.22	10.52	73.65	139.77	102.40	47.20	32.50	15.88	10.78	10.78	10.26		
	23	16.75	216.87	10.00	113.88	136.00	144.39	46.73	29.95	15.59	10.78	10.52	9.75		
	24	10.52	177.50	10.00	87.90	92.45	170.57	51.00	25.93	15.30	10.78	10.52	9.50		
	25	9.50	115.23	9.25	66.75	81.70	130.75	46.73	24.85	15.30	10.26	10.00	9.25		
	26	11.82	77.68	9.50	47.20	85.95	154.40	44.35	28.12	15.30	10.26	9.75	9.25		
	27	10.78	52.50	9.75	35.20	111.18	164.41	43.88	29.22	14.76	10.26	10.00	9.50		
	28	9.00	42.93	9.25	28.85	95.05	139.00	43.88	28.85	18.90	10.26	10.78	9.50		
	29	8.00	32.50	9.75	26.30	85.30	115.90	44.83	27.76	18.55	10.00		9.25		
	30	8.75	28.49	18.90	26.66	76.53	105.78	42.93	25.20	17.04	9.75		8.50		
	31		30.31		63.30	67.90		41.05		16.46	9.50		8.50		
Total		385.88	1477.10	502.06	1826.39	3302.63	3466.16	2504.11	920.32	589.66	352.16	284.56	333.94	15944.97	CMSDAY
Mean		12.86	47.65	16.74	58.92	106.54	115.54	80.78	30.68	19.02	11.36	10.16	10.77	43.68	CMS
Max		25.57	220.22	35.65	178.27	192.31	170.57	163.64	47.68	25.93	15.88	16.17	12.60	220.22	CMS
Min		8.00	9.25	9.25	26.30	49.58	53.50	41.05	23.80	14.76	9.50	7.75	8.50	7.75	CMS
Runoff		33.34	127.62	43.38	157.80	285.35	299.48	216.36	79.52	50.95	30.43	24.59	28.85	1377.65	MCM
Momentary Peak		CMS. at 437.18 m. (MSL.) at 15.00 Hours , on May 22, 2022													
Runoff Yield		16.69	Liters/Second/Square KM.				88.93	Liters/Second/Square KM.							

WATER YEAR : 2022**NAM MAE KOK RIVER BASIN****Nam Mae Lao at Ban Don Salee , Chiang Rai (G.11)**

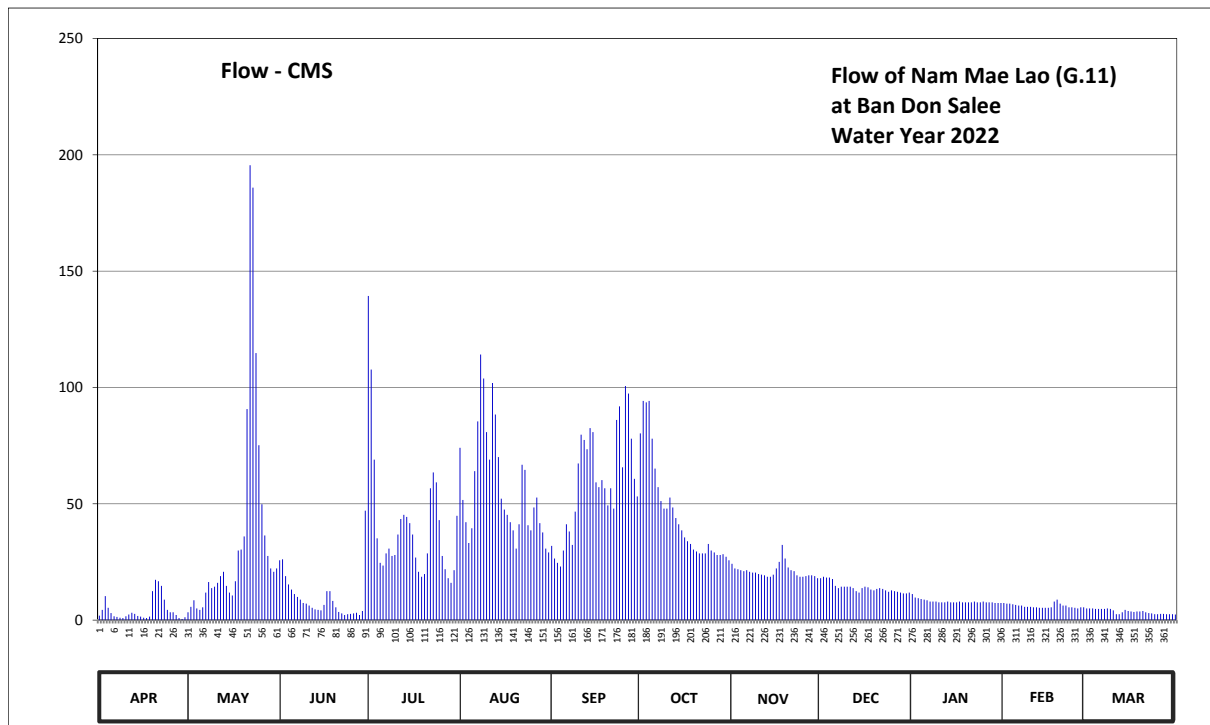
Lat 19 - 37 - 21 N Long 99 - 28 - 37 E

Location : on left bank at Ban Salee.

	Ban	Don Salee	Amphoe	Mae Suai	Changwat	Chiang Rai
Drainage Area	1,912	sq.km.				
Type of Gage	Staff gage.					
Zero Gage at Bottom	+462.835 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	Near the gage site.				Elevation	+468.695 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	2004 to date					
Rating Operation						
Period of Rating	2004 to date					
Rated by Float	-					
Rated by Current Meter	2004 to date					
Stability of Channel Regimes	Fairly stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 33 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	462.20	462.29	463.02	465.09	464.05	463.18	464.16	462.98	462.80	462.59	462.46	462.37	
2	462.34	462.40	463.03	464.61	463.63	463.04	464.40	462.93	462.82	462.54	462.45	462.37	
3	462.56	462.50	462.83	463.96	463.42	462.99	464.39	462.92	462.81	462.53	462.45	462.37	
4	462.38	462.37	462.72	463.26	463.21	462.95	464.40	462.91	462.81	462.52	462.44	462.36	
5	462.27	462.34	462.65	462.99	463.36	463.13	464.12	462.90	462.79	462.51	462.43	462.36	
6	462.18	462.39	462.59	462.96	463.87	463.40	463.89	462.91	462.70	462.50	462.42	462.36	
7	462.16	462.61	462.55	463.10	464.25	463.33	463.74	462.89	462.67	462.48	462.42	462.36	
8	462.14	462.75	462.51	463.15	464.71	463.19	463.62	462.88	462.69	462.48	462.40	462.37	
9	462.13	462.67	462.46	463.07	464.55	463.52	463.55	462.88	462.69	462.48	462.40	462.36	
10	462.18	462.69	462.45	463.08	464.17	463.93	463.55	462.86	462.69	462.47	462.40	462.33	
11	462.23	462.74	462.42	463.30	463.96	464.15	463.65	462.85	462.69	462.47	462.39	462.24	
12	462.28	462.83	462.38	463.45	464.52	464.11	463.56	462.84	462.67	462.47	462.39	462.24	
13	462.25	462.89	462.35	463.49	464.30	464.04	463.46	462.82	462.63	462.48	462.38	462.29	
14	462.19	462.70	462.34	463.47	463.98	464.20	463.40	462.82	462.61	462.47	462.38	462.34	
15	462.17	462.61	462.33	463.41	463.64	464.17	463.34	462.85	462.67	462.47	462.38	462.32	
16	462.14	462.57	462.43	463.30	463.54	463.78	463.27	462.93	462.69	462.47	462.38	462.31	
17	462.13	462.76	462.63	463.05	463.49	463.74	463.23	463.00	462.68	462.48	462.39	462.30	
18	462.17	463.13	462.63	462.89	463.42	463.80	463.20	463.19	462.65	462.47	462.48	462.31	
19	462.63	463.14	462.49	462.82	463.34	463.73	463.14	463.04	462.64	462.47	462.51	462.31	
20	462.78	463.28	462.39	462.86	463.15	463.58	463.12	462.94	462.66	462.47	462.45	462.32	
21	462.76	464.34	462.30	463.10	463.40	463.73	463.10	462.91	462.67	462.47	462.42	462.29	
22	462.70	465.88	462.26	463.73	463.92	463.55	463.10	462.90	462.66	462.48	462.42	462.27	
23	462.51	465.75	462.22	463.86	463.88	464.26	463.10	462.84	462.64	462.47	462.39	462.26	
24	462.34	464.72	462.24	463.78	463.39	464.36	463.20	462.82	462.62	462.47	462.39	462.24	
25	462.29	464.07	462.25	463.44	463.34	463.90	463.13	462.82	462.64	462.48	462.38	462.24	
26	462.29	463.59	462.26	463.07	463.56	464.50	463.11	462.83	462.63	462.47	462.37	462.25	
27	462.22	463.29	462.28	462.92	463.65	464.45	463.08	462.84	462.62	462.47	462.39	462.25	
28	462.13	463.07	462.22	462.80	463.41	464.12	463.08	462.84	462.61	462.47	462.39	462.24	
29	462.10	462.93	462.32	462.74	463.32	463.81	463.09	462.83	462.60	462.46		462.24	
30	462.15	462.89	463.53	462.91	463.15	463.66	463.06	462.80	462.60	462.46		462.24	
31		462.93		463.48	463.11		463.02		462.61	462.46		462.23	
Mean	462.30	463.13	462.50	463.33	463.70	463.74	463.46	462.89	462.68	462.48	462.41	462.30	
Max	462.78	465.88	463.53	465.09	464.71	464.50	464.40	463.19	462.82	462.59	462.51	462.37	465.88
Min	462.10	462.29	462.22	462.74	463.11	462.95	463.02	462.80	462.60	462.46	462.37	462.23	462.10
Annual Max Momentary Gage Height	465.95	m. (MSL.) ,		at 12.00 Hours , on May 22, 2022									
Zero Gage at Bottom Elevation	462.83	m. (MSL.) ,		River Bed		461.77	m. (MSL.)						
Left Bank Elevation	468.84	m. (MSL.) ,											
Right Bank Elevation	468.90	m. (MSL.) ,		Drainage Are		1,912	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

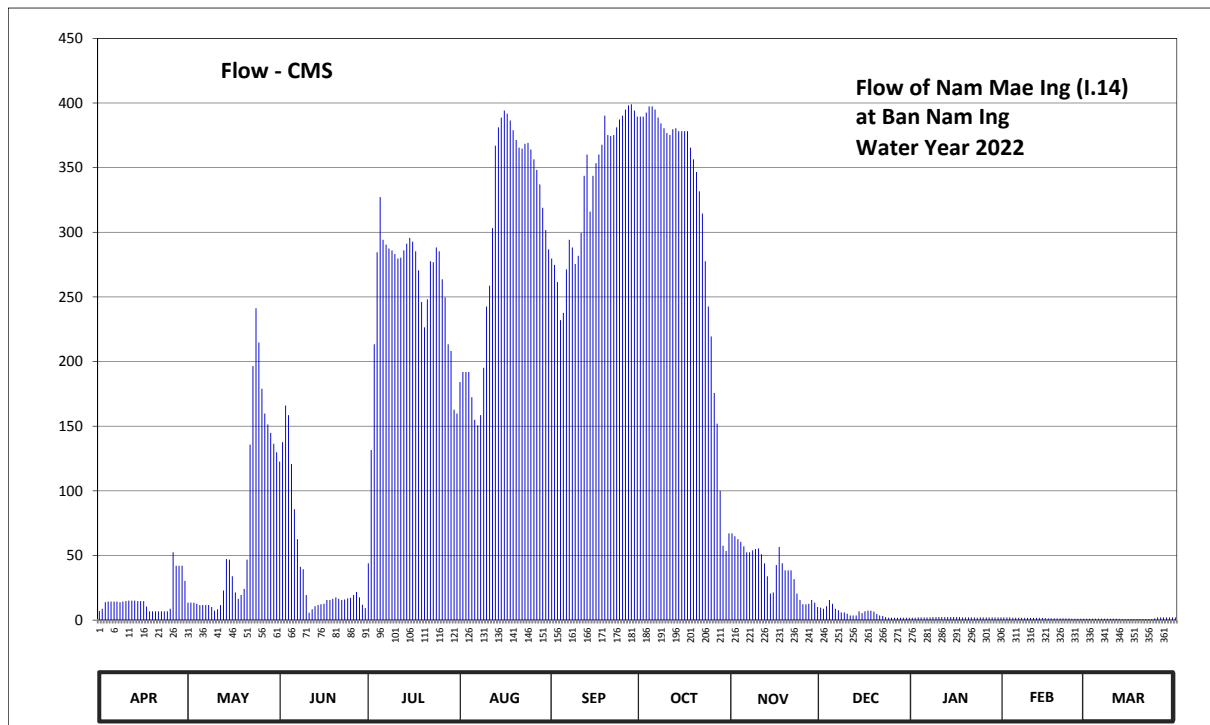
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.90	3.34	25.74	139.30	74.03	31.90	80.24	24.21	18.00	11.20	7.38	5.04		
2	4.38	5.70	26.11	107.65	51.67	26.48	94.20	22.23	18.61	9.70	7.10	5.04		
3	10.30	8.50	18.91	69.00	42.10	24.60	93.62	21.83	18.30	9.40	7.10	5.04		
4	5.26	5.04	15.36	35.16	33.11	23.02	94.20	21.44	18.30	9.10	6.82	4.82		
5	3.02	4.38	13.10	24.60	39.44	29.90	77.98	21.04	17.67	8.80	6.54	4.82		
6	1.62	5.48	11.20	23.42	64.05	41.20	65.15	21.44	14.70	8.50	6.26	4.82		
7	1.34	11.82	10.00	28.70	85.43	38.12	57.14	20.74	13.74	7.94	6.26	4.82		
8	1.06	16.35	8.80	30.70	114.15	32.30	51.18	20.43	14.38	7.94	5.70	5.04		
9	0.92	13.74	7.38	27.59	103.80	46.60	47.95	20.43	14.38	7.94	5.70	4.82		
10	1.62	14.38	7.10	27.96	80.80	67.35	47.95	19.82	14.38	7.66	5.70	4.16		
11	2.38	16.02	6.26	36.80	69.00	79.68	52.65	19.52	14.38	7.66	5.48	2.54		
12	3.18	18.91	5.26	43.45	101.88	77.42	48.40	19.22	13.74	7.66	5.48	2.54		
13	2.70	20.74	4.60	45.25	88.35	73.46	43.90	18.61	12.46	7.94	5.26	3.34		
14	1.76	14.70	4.38	44.35	70.10	82.50	41.20	18.61	11.82	7.66	5.26	4.38		
15	1.48	11.82	4.16	41.65	52.16	80.80	38.56	19.52	13.74	7.66	5.26	3.94		
16	1.06	10.60	6.54	36.80	47.50	59.18	35.57	22.23	14.38	7.66	5.26	3.72		
17	0.92	16.68	12.46	26.85	45.25	57.14	33.93	25.00	14.06	7.94	5.48	3.50		
18	1.48	29.90	12.46	20.74	42.10	60.20	32.70	32.30	13.10	7.66	7.94	3.72		
19	12.46	30.30	8.22	18.61	38.56	56.63	30.30	26.48	12.78	7.66	8.80	3.72		
20	17.34	35.98	5.48	19.82	30.70	49.30	29.50	22.62	13.42	7.66	7.10	3.94		
21	16.68	90.69	3.50	28.70	41.20	56.63	28.70	21.44	13.74	7.66	6.26	3.34		
22	14.70	195.50	2.86	56.63	66.80	47.95	28.70	21.04	13.42	7.94	6.26	3.02		
23	8.80	185.88	2.22	63.50	64.60	86.01	28.70	19.22	12.78	7.66	5.48	2.86		
24	4.38	114.80	2.54	59.18	40.76	91.86	32.70	18.61	12.14	7.66	5.48	2.54		
25	3.34	75.16	2.70	43.00	38.56	65.70	29.90	18.61	12.78	7.94	5.26	2.54		
26	3.34	49.75	2.86	27.59	48.40	100.60	29.10	18.91	12.46	7.66	5.04	2.70		
27	2.22	36.39	3.18	21.83	52.65	97.40	27.96	19.22	12.14	7.66	5.48	2.70		
28	0.92	27.59	2.22	18.00	41.65	77.98	27.96	19.22	11.82	7.66	5.48	2.54		
29	0.50	22.23	3.94	16.02	37.68	60.75	28.33	18.91	11.50	7.38		2.54		
30	1.20	20.74	47.05	21.44	30.70	53.14	27.22	18.00	11.50	7.38		2.54		
31		22.23		44.80	29.10		25.74		11.82	7.38		2.38		
Total	132.26	1135.34	286.59	1249.09	1766.28	1775.80	1411.33	630.90	432.44	249.32	170.62	113.46	9353.43	CMSDAY
Mean	4.41	36.62	9.55	40.29	56.98	59.19	45.53	21.03	13.95	8.04	6.09	3.66	25.63	CMS
Max	17.34	195.50	47.05	139.30	114.15	100.60	94.20	32.30	18.61	11.20	8.80	5.04	195.50	CMS
Min	0.50	3.34	2.22	16.02	29.10	23.02	25.74	18.00	11.50	7.38	5.04	2.38	0.50	CMS
Runoff	11.43	98.09	24.76	107.92	152.61	153.43	121.94	54.51	37.36	21.54	14.74	9.80	808.14	MCM
Momentary Peak		200.75	CMS. at 465.95 m. (MSL.) at 12.00 Hours , on May 22, 2022											
Runoff Yield	13.40		Liters/Second/Square KM.		Momentary Peak Yield	104.99	Liters/Second/Square KM.							

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

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

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	352.72	352.93	355.11	353.65	356.11	357.51	358.98	354.11	352.81	352.48	352.49	352.43	
	2	352.78	352.93	355.36	355.26	356.23	357.44	358.98	354.07	352.78	352.48	352.49	352.43	
	3	352.94	352.93	355.83	356.56	356.23	357.25	359.02	354.03	352.85	352.49	352.49	352.43	
	4	352.95	352.91	355.71	357.58	356.23	356.83	359.08	353.99	352.98	352.49	352.48	352.43	
	5	352.95	352.88	356.08	358.15	355.93	356.91	359.08	353.92	352.91	352.49	352.48	352.43	
	6	352.95	352.88	354.45	357.71	355.65	357.39	359.05	353.83	352.78	352.49	352.48	352.43	
	7	352.95	352.88	354.03	357.66	355.58	357.71	358.97	353.83	352.74	352.49	352.47	352.43	
	8	352.94	352.88	353.59	357.62	355.71	357.63	358.91	353.86	352.68	352.51	352.47	352.43	
	9	352.95	352.83	353.55	357.60	356.28	357.45	358.86	353.88	352.68	352.51	352.47	352.43	
	10	352.96	352.73	353.08	357.56	356.98	357.54	358.81	353.89	352.64	352.51	352.47	352.43	
	11	352.97	352.77	352.67	357.51	357.21	357.78	358.79	353.80	352.58	352.51	352.47	352.43	
	12	352.97	352.88	352.77	357.52	357.83	358.37	358.85	353.65	352.58	352.51	352.47	352.42	
	13	352.97	353.17	352.85	357.60	358.68	358.59	358.86	353.43	352.58	352.51	352.47	352.41	
	14	352.96	353.72	352.88	357.67	358.87	358.00	358.83	353.11	352.71	352.51	352.47	352.41	
	15	352.96	353.71	352.90	357.73	358.97	358.37	358.83	353.13	352.66	352.51	352.46	352.41	
	16	352.96	353.43	352.91	357.69	359.04	358.50	358.83	353.62	352.71	352.51	352.44	352.41	
	17	352.84	353.13	352.98	357.59	359.01	358.59	358.83	353.91	352.73	352.51	352.44	352.41	
	18	352.71	353.00	352.98	357.38	358.94	358.69	358.66	353.65	352.73	352.49	352.44	352.41	
	19	352.71	353.08	353.00	357.03	358.84	358.99	358.54	353.53	352.70	352.49	352.44	352.41	
	20	352.71	353.20	353.03	356.75	358.74	358.79	358.41	353.53	352.63	352.49	352.44	352.41	
	21	352.71	353.71	353.00	357.06	358.66	358.78	358.21	353.53	352.58	352.49	352.44	352.41	
	22	352.71	355.33	352.98	357.48	358.65	358.79	357.98	353.38	352.56	352.49	352.44	352.41	
	23	352.71	356.30	352.99	357.47	358.70	358.87	357.48	353.11	352.51	352.48	352.44	352.41	
	24	352.71	356.96	353.01	357.63	358.71	358.95	356.98	352.98	352.48	352.49	352.43	352.44	
	25	352.78	356.58	353.02	357.59	358.64	358.99	356.65	352.90	352.48	352.49	352.43	352.49	
	26	353.83	356.03	353.08	357.28	358.54	359.05	355.98	352.90	352.48	352.49	352.43	352.49	
	27	353.61	355.73	353.14	357.08	358.43	359.09	355.60	352.91	352.48	352.49	352.43	352.49	
	28	353.61	355.59	353.03	356.56	358.28	359.10	354.71	352.98	352.48	352.49	352.43	352.49	
	29	353.61	355.48	352.89	356.48	358.04	359.04	353.93	352.93	352.48	352.49		352.49	
	30	353.35	355.34	352.80	355.78	357.81	358.98	353.85	352.83	352.48	352.49		352.49	
	31		355.23		355.73	357.61		354.11		352.48	352.49		352.49	
Mean		352.98	353.97	353.49	357.10	357.71	358.27	357.83	353.51	352.64	352.50	352.46	352.44	
Max		353.83	356.96	355.83	358.15	359.04	359.10	359.08	354.11	352.98	352.51	352.49	352.49	359.10
Min		352.71	352.73	352.67	353.65	355.58	356.83	353.85	352.83	352.48	352.48	352.43	352.41	352.41
Annual Max Momentary Gage Height			359.12	m. (MSL) , at 06.00 Hours , on Oct 6, 2022										
Zero Gage at Bottom Elevation			351.43	m. (MSL) , River Bed 350.48 m. (MSL.)										
Left Bank Elevation			362.11	m. (MSL) ,										
Right Bank Elevation			362.07	m. (MSL) , Drainage Are 6,220 Square Kilometers										



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	7.06	13.46	122.60	43.95	184.15	279.70	389.50	67.05	9.59	1.90	2.05	1.15		
2	8.74	13.46	137.60	131.60	191.95	274.80	389.50	64.85	8.74	1.90	2.05	1.15		
3	13.88	13.46	165.95	213.40	191.95	261.50	392.60	62.65	10.75	2.05	2.05	1.15		
4	14.30	12.62	158.60	284.60	191.95	232.10	397.40	60.50	15.56	2.05	1.90	1.15		
5	14.30	11.62	120.80	327.25	172.45	237.70	397.40	57.00	12.62	2.05	1.90	1.15		
6	14.30	11.62	85.75	294.25	155.00	271.30	395.00	52.50	8.74	2.05	1.90	1.15		
7	14.30	11.62	62.65	290.50	150.80	294.25	388.75	52.50	7.62	2.05	1.75	1.15		
8	13.88	11.62	41.15	287.50	158.60	288.25	384.25	54.00	5.98	2.37	1.75	1.15		
9	14.30	10.17	39.35	286.00	195.20	275.50	380.50	55.00	5.98	2.37	1.75	1.15		
10	14.72	7.34	19.44	283.20	242.60	281.80	376.75	55.50	4.94	2.37	1.75	1.15		
11	15.14	8.46	5.72	279.70	258.70	299.50	375.25	51.00	3.56	2.37	1.75	1.15		
12	15.14	11.62	8.46	280.40	303.25	343.75	379.75	43.95	3.56	2.37	1.75	1.00		
13	15.14	22.93	10.75	286.00	367.00	360.25	380.50	33.95	3.56	2.37	1.75	0.85		
14	14.72	47.24	11.62	291.25	381.25	316.00	378.25	20.59	6.78	2.37	1.75	0.85		
15	14.72	46.77	12.20	295.75	388.75	343.75	378.25	21.37	5.46	2.37	1.60	0.85		
16	14.72	33.95	12.62	292.75	394.20	353.50	378.25	42.54	6.78	2.37	1.30	0.85		
17	10.46	21.37	15.56	285.30	391.80	360.25	378.25	56.50	7.34	2.37	1.30	0.85		
18	6.78	16.40	15.56	270.60	386.50	367.75	365.50	43.95	7.34	2.05	1.30	0.85		
19	6.78	19.44	16.40	246.10	379.00	390.25	356.50	38.45	6.50	2.05	1.30	0.85		
20	6.78	24.10	17.54	226.50	371.50	375.25	346.75	38.45	4.68	2.05	1.30	0.85		
21	6.78	46.77	16.40	248.20	365.50	374.50	331.75	38.45	3.56	2.05	1.30	0.85		
22	6.78	135.80	15.56	277.60	364.75	375.25	314.50	31.70	3.22	2.05	1.30	0.85		
23	6.78	196.50	15.98	276.90	368.50	381.25	277.60	20.59	2.37	1.90	1.30	0.85		
24	6.78	241.20	16.78	288.25	369.25	387.25	242.60	15.56	1.90	2.05	1.15	1.30		
25	8.74	214.70	17.16	285.30	364.00	390.25	219.50	12.20	1.90	2.05	1.15	2.05		
26	52.50	178.95	19.44	263.60	356.50	395.00	175.70	12.20	1.90	2.05	1.15	2.05		
27	42.07	159.80	21.76	249.60	348.25	398.20	152.00	12.62	1.90	2.05	1.15	2.05		
28	42.07	151.40	17.54	213.40	337.00	399.00	100.05	15.56	1.90	2.05	1.15	2.05		
29	42.07	144.80	11.91	208.20	319.00	394.20	57.50	13.46	1.90	2.05		2.05		
30	30.35	136.40	9.30	162.80	301.75	389.50	53.50	10.17	1.90	2.05		2.05		
31		129.80		159.80	286.75		67.05		1.90	2.05		2.05		
Total	495.08	2105.39	1242.15	7830.25	9237.85	10091.55	9600.65	1154.81	170.43	66.30	43.60	38.65	42076.71	CMSDAY
Mean	16.50	67.92	41.41	252.59	298.00	336.39	309.70	38.49	5.50	2.14	1.56	1.25	115.28	CMS
Max	52.50	241.20	165.95	327.25	394.20	399.00	397.40	67.05	15.56	2.37	2.05	2.05	399.00	CMS
Min	6.78	7.34	5.72	43.95	150.80	232.10	53.50	10.17	1.90	1.90	1.15	0.85	0.85	CMS
Runoff	42.77	181.91	107.32	676.53	798.15	871.91	829.50	99.78	14.73	5.73	3.77	3.34	3635.43	MCM
Momentary Peak	400.60	CMS. at 359.12 m. (MSL.)	at 06.00 Hours , on Oct 6, 2022											
Runoff Yield	18.40	Liters/Second/Square KM.	Momentary Peak Yield					63.93	Liters/Second/Square KM.					

WATER YEAR : 2022**NAM MAE ING RIVER BASIN****Nam Mae Ing at Ban Jae Dee Ngam , Phayao (1.17)**

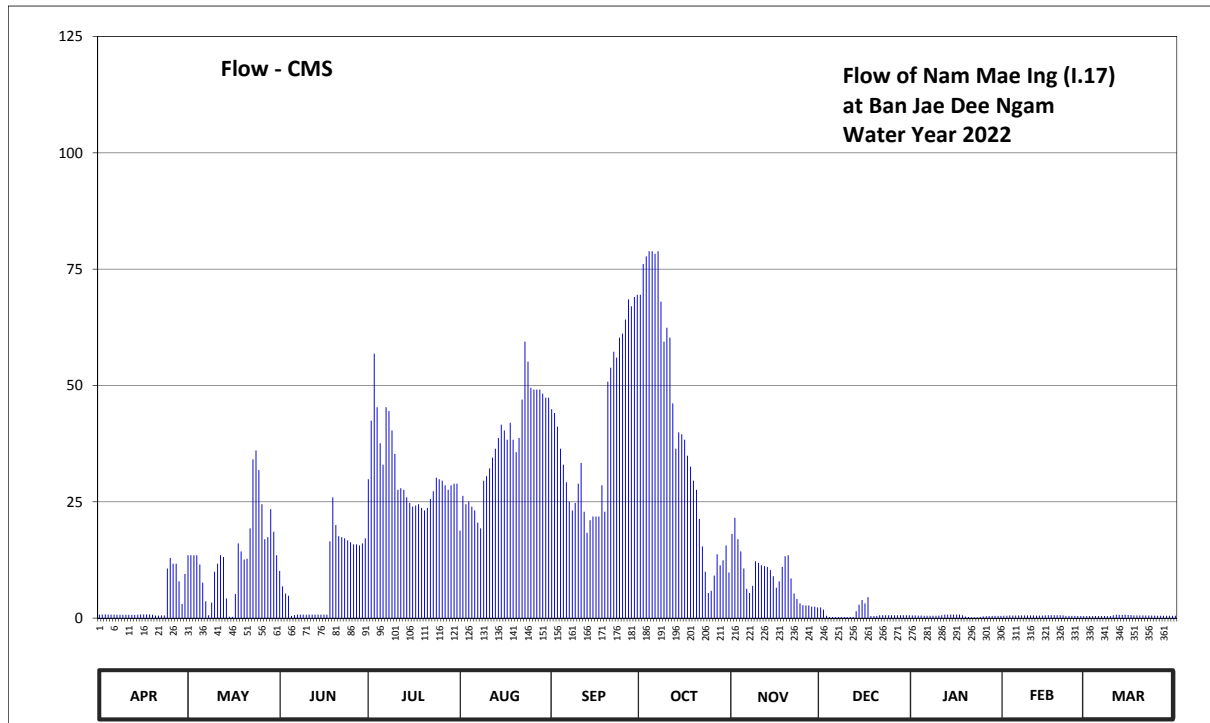
Lat 19 - 09 - 57 N Long 99 - 56 - 04 E

Location : on left bank at Ban Jae Dee Ngam.

	Ban	Jae Dee Ngam	Amphoe	Mueang	Changwat	Phayao
Drainge Area	1,303	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+386.266 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 10 meters from the top staff gage.				Elevation	+390.690 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2003 to date					
Rating Operation						
Period of Rating	2003 to date					
Rated by Float	-					
Rated by Current Meter	2003 to date					
Stability of Channel Regimes	Fairly Stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 19 discharge measurements made in 2022.					

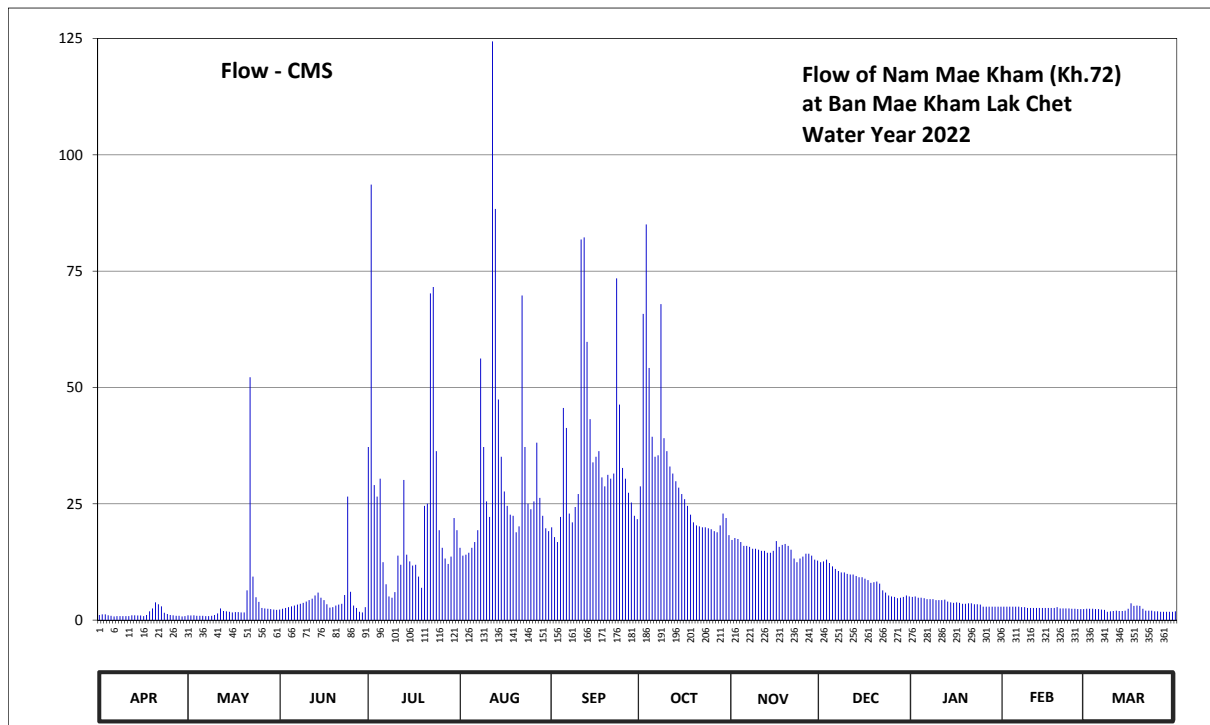
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	387.50	387.51	387.32	388.14	387.75	388.53	389.09	387.72	386.65	387.18	387.00	386.89	
2	387.57	387.51	387.10	388.47	388.03	388.51	389.22	387.86	386.59	387.13	387.06	386.90	
3	387.57	387.51	386.98	388.81	387.97	388.44	389.25	387.67	386.37	387.07	387.14	386.90	
4	387.54	387.51	386.93	388.54	387.99	388.32	389.27	387.55	386.27	387.07	387.12	386.90	
5	387.51	387.40	386.97	388.35	387.95	388.23	389.27	387.35	386.27	387.06	387.12	386.90	
6	387.48	387.16	387.30	388.23	387.92	388.12	389.26	387.06	386.27	387.06	387.14	386.91	
7	387.45	386.80	387.47	388.54	387.82	387.99	389.27	386.99	386.27	387.05	387.18	386.90	
8	387.45	386.40	387.47	388.52	387.77	387.92	389.06	387.11	386.27	387.04	387.18	386.88	
9	387.44	386.77	387.47	388.42	388.13	387.98	388.87	387.44	386.27	387.05	387.18	386.88	
10	387.44	387.31	387.46	388.29	388.16	388.11	388.94	387.42	386.27	387.07	387.17	387.24	
11	387.44	387.41	387.47	388.07	388.21	388.24	388.89	387.39	386.27	387.22	387.13	387.46	
12	387.42	387.51	387.49	388.08	388.27	387.91	388.56	387.38	386.27	387.47	387.10	387.40	
13	387.39	387.49	387.49	388.07	388.32	387.73	388.32	387.37	386.54	387.48	387.10	387.40	
14	387.47	386.87	387.47	388.02	388.38	387.84	388.41	387.33	386.72	387.48	387.10	387.41	
15	387.56	386.30	387.49	387.98	388.45	387.87	388.40	387.25	386.83	387.48	387.14	387.37	
16	387.56	386.28	387.50	387.95	388.42	387.87	388.37	387.08	386.75	387.49	387.23	387.31	
17	387.56	386.97	387.50	387.96	388.37	387.87	388.28	387.18	386.90	387.50	387.23	387.17	
18	387.56	387.63	387.65	387.97	388.46	388.10	388.22	387.37	386.87	387.25	387.24	387.17	
19	387.44	387.55	388.02	387.94	388.37	387.91	388.13	387.50	386.89	386.65	387.24	387.17	
20	387.12	387.46	387.80	387.92	388.30	388.67	388.07	387.51	386.97	386.47	387.24	387.16	
21	387.11	387.47	387.70	387.94	388.38	388.74	387.85	387.22	387.19	386.36	387.16	387.12	
22	387.13	387.77	387.69	388.01	388.58	388.82	387.60	386.98	387.22	386.36	386.97	387.11	
23	387.17	388.26	387.68	388.06	388.87	388.79	387.31	386.86	387.21	386.36	386.98	387.10	
24	387.35	388.31	387.66	388.15	388.77	388.89	386.99	386.75	387.20	386.56	386.98	387.07	
25	387.48	388.20	387.64	388.14	388.64	388.91	387.03	386.71	387.21	386.71	386.95	387.02	
26	387.41	387.97	387.62	388.13	388.63	388.98	387.26	386.70	387.20	386.79	386.91	387.02	
27	387.41	387.67	387.62	388.10	388.63	389.07	387.52	386.70	387.21	386.86	386.89	387.03	
28	387.18	387.69	387.61	388.07	388.63	389.04	387.39	386.67	387.19	386.98	386.87	387.04	
29	386.74	387.93	387.63	388.10	388.61	389.08	387.45	386.67	387.19	386.98		387.04	
30	387.28	387.74	387.68	388.11	388.59	389.09	387.61	386.65	387.19	386.98		387.04	
31		387.51		388.11	388.59		387.30		387.19	386.98		387.04	
Mean	387.39	387.42	387.50	388.17	388.32	388.39	388.27	387.18	386.76	387.01	387.10	387.10	
Max	387.57	388.31	388.02	388.81	388.87	389.09	389.27	387.86	387.22	387.50	387.24	387.46	389.27
Min	386.74	386.28	386.93	387.92	387.75	387.73	386.99	386.65	386.27	386.36	386.87	386.88	386.27
Annual Max Momentary Gage Height	389.26	m. (MSL.) ,		at 09.00 Hours , on Oct 2, 2022									
Zero Gage at Bottom Elevation	386.27	m. (MSL.) ,		River Bed		384.73	m. (MSL.)						
Left Bank Elevation	390.57	m. (MSL.) ,											
Right Bank Elevation	390.58	m. (MSL.) ,		Drainage Are		1,303	Square Kilometers						



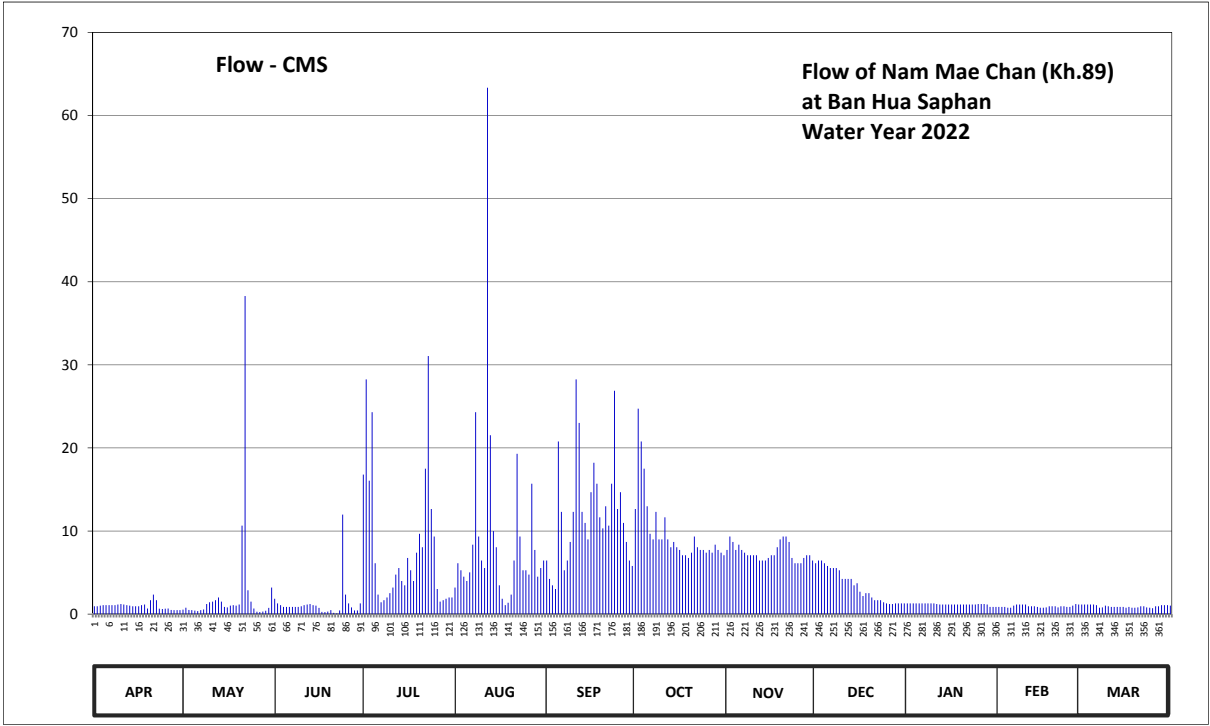
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.75	13.51	10.14	29.85	18.80	44.90	69.50	18.08	2.30	0.59	0.50	0.45	
2	0.79	13.51	6.80	42.41	26.28	44.07	76.10	21.56	1.83	0.57	0.53	0.45	
3	0.79	13.51	5.30	56.83	24.49	41.16	77.75	16.94	0.51	0.54	0.57	0.45	
4	0.77	13.51	4.80	45.31	25.03	36.42	78.85	14.35	0.24	0.54	0.56	0.45	
5	0.76	11.50	0.49	37.58	23.95	32.96	78.85	10.65	0.24	0.53	0.56	0.45	
6	0.74	7.64	0.65	32.96	23.14	29.20	78.30	6.28	0.24	0.53	0.57	0.46	
7	0.73	3.60	0.74	45.31	20.52	25.03	78.85	5.40	0.24	0.53	0.59	0.45	
8	0.73	0.60	0.74	44.48	19.28	23.14	68.00	6.94	0.24	0.52	0.59	0.44	
9	0.72	3.33	0.74	40.33	29.53	24.76	59.41	12.22	0.24	0.53	0.59	0.44	
10	0.72	9.97	0.73	35.27	30.50	28.88	62.42	11.86	0.24	0.54	0.59	0.62	
11	0.72	11.68	0.74	27.58	32.19	33.34	60.27	11.33	0.24	0.61	0.57	0.73	
12	0.71	13.51	0.75	27.90	34.50	22.87	46.14	11.16	0.24	0.74	0.55	0.70	
13	0.70	13.12	0.75	27.58	36.42	18.32	36.42	10.99	1.48	0.74	0.55	0.70	
14	0.74	4.23	0.74	25.95	38.73	21.04	39.92	10.31	2.88	0.74	0.55	0.71	
15	0.78	0.30	0.75	24.76	41.58	21.82	39.50	9.00	3.87	0.74	0.57	0.69	
16	0.78	0.26	0.75	23.95	40.33	21.82	38.35	6.54	3.15	0.75	0.62	0.66	
17	0.78	5.20	0.75	24.22	38.35	21.82	34.88	7.92	4.50	0.75	0.62	0.59	
18	0.78	16.06	16.50	24.49	41.99	28.55	32.57	10.99	0.44	0.63	0.62	0.59	
19	0.72	14.35	25.95	23.68	38.35	22.87	29.53	13.30	0.45	0.33	0.62	0.59	
20	0.56	12.58	20.00	23.14	35.65	50.81	27.58	13.51	0.49	0.24	0.62	0.58	
21	0.56	12.76	17.60	23.68	38.73	53.82	21.30	8.52	0.60	0.18	0.58	0.56	
22	0.57	19.28	17.38	25.63	46.97	57.26	15.40	5.30	0.61	0.18	0.49	0.56	
23	0.59	34.11	17.16	27.25	59.41	55.97	9.97	4.14	0.61	0.18	0.49	0.55	
24	10.65	36.04	16.72	30.18	55.11	60.27	5.40	3.15	0.60	0.28	0.49	0.54	
25	12.94	31.80	16.28	29.85	49.52	61.13	5.89	2.79	0.61	0.36	0.48	0.51	
26	11.68	24.49	15.84	29.53	49.09	64.14	9.16	2.70	0.60	0.40	0.46	0.51	
27	11.68	16.94	15.84	28.55	49.09	68.50	13.72	2.70	0.61	0.43	0.45	0.52	
28	7.92	17.38	15.62	27.58	49.09	67.00	11.33	2.46	0.60	0.49	0.44	0.52	
29	3.06	23.41	16.06	28.55	48.23	69.00	12.40	2.46	0.60	0.49		0.52	
30	9.48	18.56	17.16	28.88	47.39	69.50	15.62	2.30	0.60	0.49		0.52	
31		13.51		28.88	47.39		9.80		0.60	0.49		0.52	
Total	83.90	430.25	264.47	972.14	1159.63	1220.37	1243.18	265.85	30.70	15.66	15.42	17.03	5718.60 CMSDAY
Mean	2.80	13.88	8.82	31.36	37.41	40.68	40.10	8.86	0.99	0.51	0.55	0.55	15.67 CMS
Max	12.94	36.04	25.95	56.83	59.41	69.50	78.85	21.56	4.50	0.75	0.62	0.73	78.85 CMS
Min	0.56	0.26	0.49	23.14	18.80	18.32	5.40	2.30	0.24	0.18	0.44	0.44	0.18 CMS
Runoff	7.25	37.17	22.85	83.99	100.19	105.44	107.41	22.97	2.65	1.35	1.33	1.47	494.09 MCM
Momentary Peak	78.30 CMS. at 389.26 m. (MSL.) at 09.00 Hours , on Oct 2, 2022												
Runoff Yield	12.02	Liters/Second/Square KM.		Momentary Peak Yield		60.09	Liters/Second/Square KM.						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.10	1.04	2.28	37.20	15.53	19.94	28.75	17.21	12.44	5.00	2.87	2.44		
2	1.24	0.98	2.44	93.58	13.85	17.84	65.80	17.63	12.62	5.10	2.87	2.44		
3	1.24	1.04	2.60	29.03	14.06	16.79	85.04	17.42	13.01	4.80	2.87	2.44		
4	1.04	0.92	2.78	26.55	14.48	22.16	54.20	16.79	12.26	4.80	2.87	2.36		
5	0.92	0.92	2.96	30.40	15.53	45.60	39.39	15.95	11.54	4.70	2.87	2.36		
6	0.80	0.92	3.14	12.44	16.79	41.28	35.10	15.95	11.00	4.50	2.87	2.28		
7	0.86	0.86	3.32	7.70	19.31	22.88	35.40	15.74	10.55	4.50	2.78	2.20		
8	0.86	0.86	3.50	5.10	56.20	20.99	67.92	15.32	10.25	4.50	2.78	1.80		
9	0.86	0.92	3.70	4.80	37.20	24.32	39.08	15.32	10.25	4.30	2.60	1.88		
10	0.86	1.10	4.00	6.00	25.52	27.10	36.30	15.11	9.95	4.30	2.60	1.96		
11	0.86	1.45	4.30	13.85	22.16	81.78	33.00	14.90	9.80	4.30	2.60	2.04		
12	1.04	2.52	4.60	11.90	124.35	82.25	31.50	14.90	9.80	4.40	2.60	1.96		
13	1.04	1.96	5.30	30.13	88.35	59.80	29.85	14.48	9.50	4.00	2.60	1.96		
14	0.98	1.88	5.90	14.06	47.40	43.17	28.48	14.48	9.20	3.80	2.60	2.04		
15	0.98	1.80	4.80	12.62	35.10	33.90	27.10	14.90	9.20	3.70	2.60	2.44		
16	0.86	1.66	4.30	11.72	27.65	35.10	26.00	17.00	8.90	3.80	2.60	3.60		
17	1.10	1.73	3.41	11.90	24.56	36.30	24.56	15.74	8.60	3.70	2.60	3.05		
18	1.88	1.73	2.69	9.35	22.64	30.68	22.64	16.16	8.00	3.50	2.60	3.14		
19	2.52	1.66	2.78	6.95	22.40	28.75	20.99	16.37	8.15	3.50	2.78	3.05		
20	3.80	1.66	3.14	24.56	18.89	31.23	20.36	15.95	8.30	3.60	2.52	2.44		
21	3.41	6.40	3.32	25.04	20.15	30.40	20.15	15.11	7.85	3.60	2.52	2.04		
22	2.96	52.20	3.50	70.22	69.76	31.50	19.94	13.22	6.40	3.41	2.52	2.04		
23	1.59	9.35	5.40	71.60	37.20	73.44	19.94	12.44	5.90	3.41	2.52	2.04		
24	1.31	4.90	26.55	36.30	25.04	46.32	19.73	13.22	5.30	3.32	2.44	1.88		
25	1.10	3.90	6.10	19.31	23.84	32.70	19.52	13.64	5.10	2.87	2.44	1.88		
26	1.04	2.60	3.14	15.53	25.52	30.40	19.10	14.27	5.00	2.87	2.36	1.80		
27	0.92	2.52	2.60	13.22	38.13	27.38	18.89	14.27	4.70	2.87	2.36	1.80		
28	0.92	2.44	1.80	12.08	26.28	25.28	20.36	13.85	4.80	2.87	2.36	1.80		
29	0.80	2.36	1.66	13.64	22.40	22.40	22.88	13.01	5.00	2.87		1.80		
30	0.86	2.28	2.78	21.92	19.73	21.68	21.92	12.80	5.30	2.87		1.80		
31		2.20		19.31	19.10		18.26		5.10	2.87		1.88		
Total	39.75	118.76	128.79	718.01	989.12	1063.36	972.15	453.15	263.77	118.63	73.60	68.64	5007.73	CMSDAY
Mean	1.33	3.83	4.29	23.16	31.91	35.45	31.36	15.11	8.51	3.83	2.63	2.21	13.72	CMS
Max	3.80	52.20	26.55	93.58	124.35	82.25	85.04	17.63	13.01	5.10	2.87	3.60	124.35	CMS
Min	0.80	0.86	1.66	4.80	13.85	16.79	18.26	12.44	4.70	2.87	2.36	1.80	0.80	CMS
Runoff	3.43	10.26	11.13	62.04	85.46	91.87	83.99	39.15	22.79	10.25	6.36	5.93	432.67	MCM
Momentary Peak	159.00 CMS. at 398.20 m. (MSL.) at 13.00 Hours , on Aug 12, 2022													
Runoff Yield	21.04	Liters/Second/Square KM.				Momentary Peak Yield		243.87	Liters/Second/Square KM.					

**Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023**

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.94	0.53	1.84	16.78	3.20	6.44	12.64	7.72	6.12	1.29	0.87	1.15		
2	0.94	0.77	1.29	28.24	6.12	4.24	24.72	9.33	6.44	1.29	0.87	1.15		
3	1.01	0.50	1.08	16.06	5.28	3.46	20.78	8.68	6.44	1.29	0.87	1.15		
4	1.08	0.48	0.87	24.29	4.50	3.03	17.50	7.72	6.12	1.29	0.77	1.15		
5	1.08	0.42	0.87	6.12	3.98	20.78	12.98	8.36	5.80	1.29	0.77	1.15		
6	1.08	0.36	0.87	2.35	5.02	12.30	9.66	7.72	5.54	1.29	1.01	1.08		
7	1.08	0.48	0.87	1.43	8.36	5.28	9.00	7.40	5.54	1.29	1.15	0.77		
8	1.08	0.56	0.87	1.67	24.29	6.44	12.30	7.08	5.54	1.29	1.15	0.80		
9	1.15	1.22	0.87	2.01	9.33	8.68	9.00	7.08	5.28	1.29	1.15	1.01		
10	1.22	1.43	0.94	2.52	6.44	12.30	9.00	7.08	4.24	1.29	1.15	0.94		
11	1.15	1.50	1.08	3.20	5.54	28.24	11.64	7.08	4.24	1.22	0.94	0.87		
12	1.08	1.67	1.15	4.76	63.34	23.00	9.00	6.44	4.24	1.15	0.94	0.87		
13	1.01	2.01	1.22	5.54	21.52	12.30	8.04	6.44	4.24	1.15	0.94	0.87		
14	0.94	1.50	1.08	3.98	9.99	10.98	8.68	6.44	3.46	1.15	0.87	0.87		
15	0.94	0.87	1.01	3.46	8.04	9.00	8.04	6.76	3.72	1.15	0.77	0.87		
16	0.94	0.80	0.74	6.76	3.46	14.68	7.72	7.08	2.69	1.15	0.77	0.77		
17	1.08	1.01	0.27	5.28	1.84	18.22	7.08	7.08	2.18	1.15	0.80	0.87		
18	1.15	1.08	0.24	3.98	1.08	15.70	7.08	8.04	2.52	1.15	0.94	0.77		
19	0.68	1.01	0.30	7.40	1.36	11.64	6.76	9.00	2.52	1.15	0.94	0.77		
20	1.67	1.15	0.48	9.66	2.35	10.32	7.40	9.33	2.01	1.15	0.94	0.80		
21	2.35	10.65	0.15	8.04	6.44	12.98	9.33	9.33	1.67	1.15	0.80	0.94		
22	1.67	38.28	0.10	17.50	19.30	10.65	8.04	8.68	1.67	1.15	0.94	0.94		
23	0.65	2.86	0.44	31.06	9.33	15.70	7.72	6.76	1.67	1.15	0.94	0.80		
24	0.62	1.50	11.97	12.64	5.28	26.87	7.72	6.12	1.43	1.15	0.87	0.77		
25	0.65	0.68	2.35	9.33	5.28	12.64	7.40	6.12	1.29	1.22	0.87	0.71		
26	0.68	0.28	1.29	3.03	4.76	14.68	7.72	6.12	1.22	1.22	1.01	0.94		
27	0.50	0.25	0.80	1.50	15.70	10.98	7.40	6.76	1.22	1.22	1.22	0.94		
28	0.48	0.30	0.44	1.67	7.72	8.68	8.36	7.08	1.29	1.15	1.15	1.08		
29	0.48	0.40	0.44	1.84	4.50	6.44	7.72	7.08	1.29	0.87		1.08		
30	0.48	0.74	1.29	2.01	5.54	5.80	7.40	6.44	1.29	0.87		1.08		
31		3.20		2.01	6.44		7.08		1.29	0.87		1.01		
Total	29.86	78.49	37.21	246.12	285.33	362.45	304.91	222.35	104.21	36.49	26.41	28.97	1762.80	CMSDAY
Mean	1.00	2.53	1.24	7.94	9.20	12.08	9.84	7.41	3.36	1.18	0.94	0.93	4.83	CMS
Max	2.35	38.28	11.97	31.06	63.34	28.24	24.72	9.33	6.44	1.29	1.22	1.15	63.34	CMS
Min	0.48	0.25	0.10	1.43	1.08	3.03	6.76	6.12	1.22	0.87	0.77	0.71	0.10	CMS
Runoff	2.58	6.78	3.21	21.26	24.65	31.32	26.34	19.21	9.00	3.15	2.28	2.50	152.31	MCM
Momentary Peak	106.05 CMS. at 409.03 m. (MSL.) at 11.00 Hours , on Aug 12, 2022													
Runoff Yield	19.01	Liters/Second/Square KM.			Momentary Peak Yield			417.52	Liters/Second/Square KM.					

WATER YEAR : 2022**KHONG RIVER BASIN****Nam Kam at Ban Nong Sala, Sakon Nakhon (Kh.9A)**

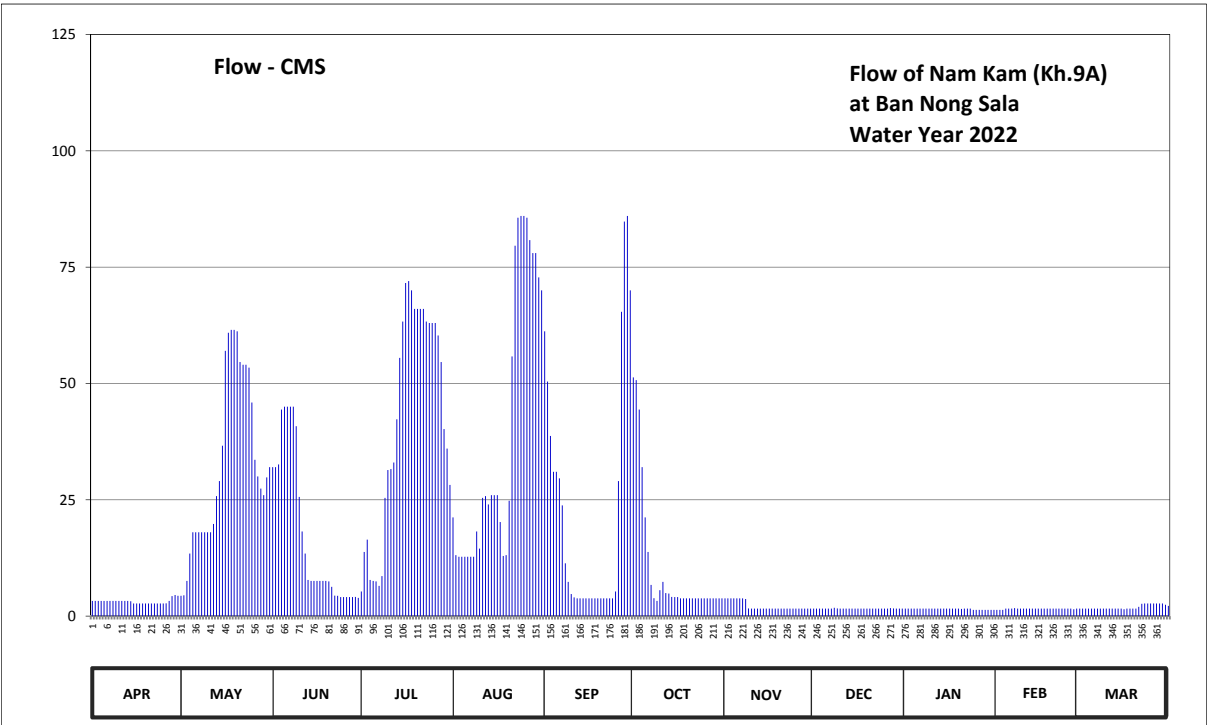
Lat 17 - 08 - 50 N Long 104 - 17 - 24 E

Location : on right bank Ban Nong Sala.

	Ban	Nong Sala	Amphoe	Phon Na Kaeo	Changwat	Sakon Nakhon
Drainge Area	1,651	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+150.000 m. (MSL.)					
Bench Mark	B.M.- H.D.					
Location BM	On right bank at the automatic gage building.				Elevation	+159.635 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.					
Period of Available Gage Records	2019 to date					
Rating Operation						
Period of Rating	2019 to date					
Rated by Float	-					
Rated by Current Meter	2019 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 41 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	151.50	151.70	153.50	151.87	152.96	154.54	154.21	151.60	151.20	151.20	151.15	151.20	
2	151.50	151.72	153.50	152.56	152.52	154.18	154.19	151.60	151.20	151.20	151.15	151.20	
3	151.50	152.10	153.53	152.71	152.50	153.79	153.98	151.60	151.20	151.20	151.15	151.20	
4	151.50	152.54	153.98	152.12	152.50	153.45	153.50	151.60	151.20	151.20	151.20	151.20	
5	151.50	152.80	154.00	152.10	152.50	153.45	152.96	151.60	151.20	151.20	151.20	151.20	
6	151.50	152.80	154.00	152.09	152.50	153.38	152.56	151.60	151.20	151.20	151.20	151.20	
7	151.50	152.80	154.00	152.00	152.50	153.09	152.02	151.60	151.20	151.20	151.22	151.20	
8	151.50	152.80	154.00	152.20	152.50	152.42	151.61	151.58	151.23	151.20	151.20	151.20	
9	151.50	152.80	153.86	153.17	152.81	152.08	151.50	151.21	151.21	151.20	151.20	151.20	
10	151.50	152.80	153.18	153.47	152.60	151.77	151.91	151.20	151.20	151.20	151.20	151.20	
11	151.50	152.80	152.81	153.48	153.17	151.64	152.08	151.20	151.20	151.20	151.20	151.20	
12	151.50	152.89	152.54	153.55	153.19	151.60	151.81	151.20	151.20	151.20	151.20	151.20	
13	151.50	153.19	152.12	153.91	153.10	151.60	151.79	151.20	151.20	151.20	151.20	151.20	
14	151.49	153.35	152.10	154.35	153.20	151.60	151.66	151.20	151.20	151.20	151.20	151.20	
15	151.40	153.72	152.10	154.61	153.20	151.60	151.65	151.20	151.20	151.20	151.20	151.20	
16	151.40	154.40	152.10	154.84	153.20	151.60	151.65	151.20	151.20	151.20	151.20	151.18	
17	151.40	154.53	152.10	154.85	152.91	151.60	151.60	151.20	151.20	151.20	151.20	151.20	
18	151.40	154.55	152.10	154.80	152.51	151.60	151.60	151.20	151.20	151.20	151.20	151.20	
19	151.40	154.55	152.10	154.70	152.52	151.60	151.60	151.20	151.20	151.20	151.20	151.20	
20	151.40	154.54	152.09	154.70	153.14	151.60	151.60	151.20	151.20	151.19	151.20	151.20	
21	151.40	154.32	151.98	154.70	154.36	151.60	151.60	151.20	151.20	151.20	151.20	151.27	
22	151.40	154.30	151.71	154.70	155.04	151.60	151.60	151.20	151.20	151.20	151.20	151.39	
23	151.40	154.30	151.70	154.61	155.19	151.60	151.60	151.20	151.20	151.20	151.20	151.40	
24	151.40	154.28	151.65	154.60	155.20	151.60	151.60	151.20	151.20	151.15	151.20	151.40	
25	151.40	154.03	151.65	154.60	155.20	151.87	151.60	151.20	151.20	151.15	151.20	151.40	
26	151.41	153.58	151.65	154.60	155.19	153.35	151.60	151.20	151.20	151.15	151.20	151.40	
27	151.50	153.40	151.65	154.51	155.07	154.68	151.60	151.20	151.22	151.15	151.18	151.40	
28	151.69	153.27	151.65	154.32	155.00	155.17	151.60	151.20	151.21	151.15	151.20	151.40	
29	151.73	153.20	151.66	153.84	155.00	155.20	151.60	151.20	151.20	151.15		151.40	
30	151.70	153.39	151.62	153.70	154.87	154.80	151.60	151.20	151.20	151.15		151.35	
31		153.50		153.31	154.80		151.60		151.20	151.15		151.31	
Mean	151.48	153.39	152.55	153.73	153.58	152.66	152.03	151.31	151.20	151.19	151.19	151.26	
Max	151.73	154.55	154.00	154.85	155.20	155.20	154.21	151.60	151.23	151.20	151.22	151.40	155.20
Min	151.40	151.70	151.62	151.87	152.50	151.60	151.50	151.20	151.20	151.15	151.15	151.18	151.15
Annual Max Momentary Gage Height	155.25	m. (MSL.) ,		at 01.00 Hours , on Aug 22 , 2022									
Zero Gage at Bottom Elevation	150.00	m. (MSL.) ,		River Bed	150.13	m. (MSL.)							
Left Bank Elevation	157.16	m. (MSL.) ,											
Right Bank Elevation	155.65	m. (MSL.) ,		Drainage Are	1,651	Square Kilometers							



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.25	4.35	32.00	5.29	21.20	61.20	51.30	3.80	1.60	1.60	1.33	1.60	
2	3.25	4.46	32.00	13.80	13.10	50.40	50.70	3.80	1.60	1.60	1.33	1.60	
3	3.25	7.55	32.60	16.43	12.75	38.70	44.40	3.80	1.60	1.60	1.33	1.60	
4	3.25	13.45	44.40	7.76	12.75	31.00	32.00	3.80	1.60	1.60	1.60	1.60	
5	3.25	18.00	45.00	7.55	12.75	31.00	21.20	3.80	1.60	1.60	1.60	1.60	
6	3.25	18.00	45.00	7.45	12.75	29.60	13.80	3.80	1.60	1.60	1.60	1.60	
7	3.25	18.00	45.00	6.50	12.75	23.80	6.71	3.80	1.60	1.60	1.71	1.60	
8	3.25	18.00	45.00	8.60	12.75	11.35	3.86	3.69	1.77	1.60	1.60	1.60	
9	3.25	18.00	40.80	25.40	18.20	7.34	3.25	1.66	1.66	1.60	1.60	1.60	
10	3.25	18.00	25.60	31.40	14.50	4.74	5.56	1.60	1.60	1.60	1.60	1.60	
11	3.25	18.00	18.20	31.60	25.40	4.02	7.34	1.60	1.60	1.60	1.60	1.60	
12	3.25	19.80	13.45	33.00	25.80	3.80	4.96	1.60	1.60	1.60	1.60	1.60	
13	3.25	25.80	7.76	42.30	24.00	3.80	4.85	1.60	1.60	1.60	1.60	1.60	
14	3.20	29.00	7.55	55.50	26.00	3.80	4.13	1.60	1.60	1.60	1.60	1.60	
15	2.70	36.60	7.55	63.30	26.00	3.80	4.08	1.60	1.60	1.60	1.60	1.60	
16	2.70	57.00	7.55	71.60	26.00	3.80	4.08	1.60	1.60	1.60	1.60	1.49	
17	2.70	60.90	7.55	72.00	20.20	3.80	3.80	1.60	1.60	1.60	1.60	1.60	
18	2.70	61.50	7.55	70.00	12.93	3.80	3.80	1.60	1.60	1.60	1.60	1.60	
19	2.70	61.50	7.55	66.00	13.10	3.80	3.80	1.60	1.60	1.60	1.60	1.60	
20	2.70	61.20	7.45	66.00	24.80	3.80	3.80	1.60	1.60	1.55	1.60	1.60	
21	2.70	54.60	6.29	66.00	55.80	3.80	3.80	1.60	1.60	1.60	1.60	1.99	
22	2.70	54.00	4.41	66.00	79.60	3.80	3.80	1.60	1.60	1.60	1.60	2.65	
23	2.70	54.00	4.35	63.30	85.60	3.80	3.80	1.60	1.60	1.60	1.60	2.70	
24	2.70	53.40	4.08	63.00	86.00	3.80	3.80	1.60	1.60	1.33	1.60	2.70	
25	2.70	45.90	4.08	63.00	86.00	5.29	3.80	1.60	1.60	1.33	1.60	2.70	
26	2.76	33.60	4.08	63.00	85.60	29.00	3.80	1.60	1.60	1.33	1.60	2.70	
27	3.25	30.00	4.08	60.30	80.80	65.40	3.80	1.60	1.71	1.33	1.49	2.70	
28	4.30	27.40	4.08	54.60	78.00	84.80	3.80	1.60	1.66	1.33	1.60	2.70	
29	4.52	26.00	4.13	40.20	78.00	86.00	3.80	1.60	1.60	1.33		2.70	
30	4.35	29.80	3.91	36.00	72.80	70.00	3.80	1.60	1.60	1.33		2.43	
31		32.00		28.20	70.00		3.80		1.60	1.33		2.21	
Total	94.33	1009.81	523.05	1305.08	1225.93	683.04	319.22	65.55	50.00	47.39	43.99	60.07	5427.46 CMSDAY
Mean	3.14	32.57	17.44	42.10	39.55	22.77	10.30	2.19	1.61	1.53	1.57	1.94	14.87 CMS
Max	4.52	61.50	45.00	72.00	86.00	86.00	51.30	3.80	1.77	1.60	1.71	2.70	86.00 CMS
Min	2.70	4.35	3.91	5.29	12.75	3.80	3.25	1.60	1.60	1.33	1.33	1.49	1.33 CMS
Runoff	8.15	87.25	45.19	112.76	105.92	59.01	27.58	5.66	4.32	4.09	3.80	5.19	468.93 MCM
Momentary Peak	88.00 CMS. at 155.25 m. (MSL.) at 01.00 Hours , on Aug 22, 2022												
Runoff Yield	9.01	Liters/Second/Square KM.		Momentary Peak Yield		53.30	Liters/Second/Square KM.						

WATER YEAR : 2022**KHONG RIVER BASIN****Huai Mong at Ban Na Ang , Udon Thani (Kh.18)**

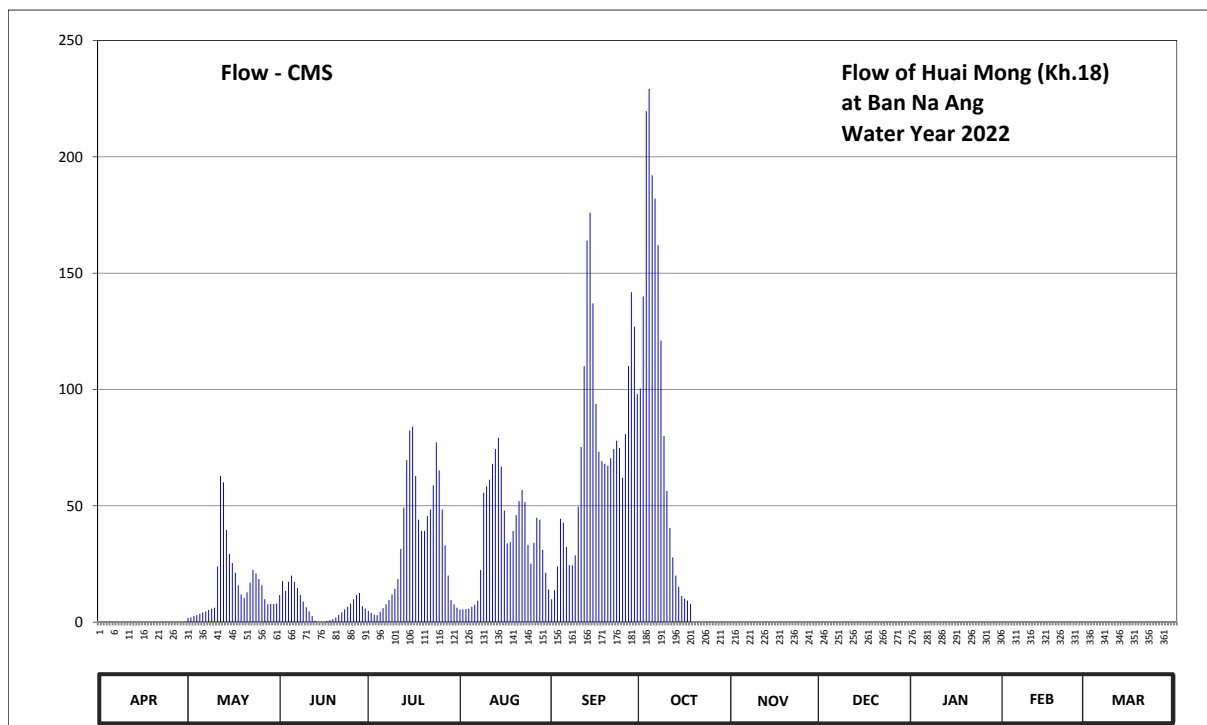
Lat 17 - 34 - 44 N Long 102 - 20 - 04 E

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

	Ban Na Ang	Amphoe Ban Phu	Changwat Udon Thani
Drainge Area	1,313 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+183.400 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank at the automatic gage building.	Elevation	+189.872 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1957 to date		
Rating Operation			
Period of Rating	1957 - 1959 , 1965 - 1966 , 1974 - 1980 , 1997 to date		
Rated by Float	-		
Rated by Current Meter	1957 - 1959 , 1965 - 1966 , 1974 - 1980 , 1997 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	Overbank flow starts at elevation +188.750 m.(MSL.) record are channel flow only.		
General Description	Records fair. Stage-discharge relation defined by 28 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	185.69	185.89	186.32	186.04	186.07	186.26	188.64	185.93	185.75	185.79	184.86	183.97	
2	185.69	185.90	186.52	186.00	186.07	186.39	189.10	185.92	185.71	185.75	184.84	183.91	
3	185.68	185.93	186.38	185.96	186.08	186.73	189.49	185.91	185.67	185.71	184.82	183.87	
4	185.67	185.95	186.51	185.95	186.09	187.36	189.53	185.91	185.63	185.68	184.79	183.83	
5	185.66	185.98	186.60	186.02	186.13	187.32	189.37	185.90	185.68	185.65	184.77	183.79	
6	185.65	186.01	186.51	186.10	186.17	187.01	189.32	185.90	185.72	185.61	184.75	183.75	
7	185.64	186.03	186.42	186.18	186.24	186.75	189.22	185.89	185.76	185.58	184.72	183.71	
8	185.63	186.06	186.32	186.25	186.68	186.75	188.91	185.88	185.80	185.54	184.70	183.67	
9	185.62	186.09	186.23	186.33	187.64	186.89	188.25	185.87	185.84	185.51	184.68	183.63	
10	185.61	186.11	186.12	186.41	187.71	187.49	187.66	185.86	185.89	185.49	184.65	183.59	
11	185.60	186.73	186.03	186.55	187.78	188.13	187.26	185.85	185.93	185.45	184.63	183.55	
12	185.59	187.82	185.93	186.98	187.95	188.80	186.86	185.84	185.97	185.40	184.61	183.51	
13	185.58	187.75	185.83	187.48	188.11	189.23	186.60	185.83	186.01	185.36	184.59	183.47	
14	185.57	187.24	185.77	187.99	188.23	189.29	186.44	185.82	186.05	185.33	184.57	183.43	
15	185.56	186.91	185.78	188.31	187.92	189.07	186.31	185.79	186.09	185.30	184.53	183.40	
16	185.55	186.78	185.80	188.35	187.45	188.53	186.27	185.78	186.14	185.27	184.48	183.39	
17	185.54	186.64	185.82	187.82	187.06	188.08	186.24	185.78	186.18	185.25	184.44	183.38	
18	185.53	186.46	185.84	187.35	187.08	187.98	186.19	185.78	186.22	185.21	184.41	183.37	
19	185.52	186.33	185.86	187.23	187.23	187.95	186.15	185.78	186.26	185.18	184.37	183.36	
20	185.51	186.28	185.90	187.23	187.40	187.93	186.11	185.78	186.27	185.15	184.33	183.34	
21	185.50	186.36	185.95	187.39	187.55	188.01	186.07	185.78	186.15	185.12	184.29	183.32	
22	185.51	186.50	186.01	187.46	187.67	188.11	186.01	185.78	186.10	185.09	184.25	183.30	
23	185.52	186.68	186.07	187.72	187.54	188.20	186.00	185.77	186.07	185.06	184.22	183.28	
24	185.54	186.63	186.13	188.18	187.04	188.12	185.99	185.77	186.04	185.03	184.18	183.26	
25	185.56	186.55	186.20	187.88	186.77	187.80	185.97	185.77	186.01	185.00	184.14	183.24	
26	185.58	186.46	186.26	187.46	187.07	188.27	185.97	185.77	185.98	184.98	184.05	183.23	
27	185.60	186.26	186.32	187.03	187.37	188.80	185.96	185.77	185.95	184.94	184.00	183.23	
28	185.62	186.18	186.35	186.60	187.35	189.11	185.95	185.77	185.92	184.91	184.00	183.23	
29	185.67	186.19	186.14	186.25	186.97	188.97	185.94	185.76	185.88	184.89		183.23	
30	185.81	186.19	186.09	186.18	186.64	188.60	185.94	185.76	185.85	184.88		183.22	
31		186.20		186.11	186.40		185.93		185.82	184.87		183.22	
Mean	185.60	186.42	186.13	186.93	187.08	187.93	187.09	185.82	185.95	185.29	184.49	183.47	
Max	185.81	187.82	186.60	188.35	188.23	189.29	189.53	185.93	186.27	185.79	184.86	183.97	189.53
Min	185.50	185.89	185.77	185.95	186.07	186.26	185.93	185.76	185.63	184.87	184.00	183.22	183.22
Annual Max Momentary Gage Height	189.60	m. (MSL.) ,		at 14.00 Hours , on Oct 3, 2022									
Zero Gage at Bottom Elevation	183.40	m. (MSL.) ,		River Bed		183.81	m. (MSL.)						
Left Bank Elevation	188.74	m. (MSL.) ,											
Right Bank Elevation	189.25	m. (MSL.) ,		Drainage Are		1,313	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	1.80	11.60	4.80	5.40	9.80	100.40	0.00	0.00	0.00	0.00	0.00	
2	0.00	2.00	17.60	4.00	5.40	13.70	140.00	0.00	0.00	0.00	0.00	0.00	
3	0.00	2.60	13.40	3.20	5.60	23.90	219.60	0.00	0.00	0.00	0.00	0.00	
4	0.00	3.00	17.30	3.00	5.80	44.40	229.20	0.00	0.00	0.00	0.00	0.00	
5	0.00	3.60	20.00	4.40	6.60	42.80	192.00	0.00	0.00	0.00	0.00	0.00	
6	0.00	4.20	17.30	6.00	7.40	32.30	182.00	0.00	0.00	0.00	0.00	0.00	
7	0.00	4.60	14.60	7.60	9.20	24.50	162.00	0.00	0.00	0.00	0.00	0.00	
8	0.00	5.20	11.60	9.50	22.40	24.50	121.00	0.00	0.00	0.00	0.00	0.00	
9	0.00	5.80	8.90	11.90	55.60	28.70	80.00	0.00	0.00	0.00	0.00	0.00	
10	0.00	6.20	6.40	14.30	58.40	49.60	56.40	0.00	0.00	0.00	0.00	0.00	
11	0.00	23.90	4.60	18.50	61.20	75.20	40.40	0.00	0.00	0.00	0.00	0.00	
12	0.00	62.80	2.60	31.40	68.00	110.00	27.80	0.00	0.00	0.00	0.00	0.00	
13	0.00	60.00	0.60	49.20	74.40	164.00	20.00	0.00	0.00	0.00	0.00	0.00	
14	0.00	39.60	0.00	69.60	79.20	176.00	15.20	0.00	0.00	0.00	0.00	0.00	
15	0.00	29.30	0.00	82.40	66.80	137.00	11.30	0.00	0.00	0.00	0.00	0.00	
16	0.00	25.40	0.00	84.00	48.00	93.80	10.10	0.00	0.00	0.00	0.00	0.00	
17	0.00	21.20	0.40	62.80	33.80	73.20	9.20	0.00	0.00	0.00	0.00	0.00	
18	0.00	15.80	0.80	44.00	34.40	69.20	7.80	0.00	0.00	0.00	0.00	0.00	
19	0.00	11.90	1.20	39.20	39.20	68.00	0.00	0.00	0.00	0.00	0.00	0.00	
20	0.00	10.40	2.00	39.20	46.00	67.20	0.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	12.80	3.00	45.60	52.00	70.40	0.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	17.00	4.20	48.40	56.80	74.40	0.00	0.00	0.00	0.00	0.00	0.00	
23	0.00	22.40	5.40	58.80	51.60	78.00	0.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	20.90	6.60	77.20	33.20	74.80	0.00	0.00	0.00	0.00	0.00	0.00	
25	0.00	18.50	8.00	65.20	25.10	62.00	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.00	15.80	9.80	48.40	34.10	80.80	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	9.80	11.60	32.90	44.80	110.00	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.00	7.60	12.50	20.00	44.00	141.80	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	7.80	6.80	9.50	31.10	127.00	0.00	0.00	0.00	0.00	0.00	0.00	
30	0.20	7.80	5.80	7.60	21.20	98.00	0.00	0.00	0.00	0.00	0.00	0.00	
31		8.00		6.20	14.00		0.00		0.00	0.00		0.00	
Total	0.20	487.70	224.60	1008.80	1140.70	2245.00	1624.40	0.00	0.00	0.00	0.00	0.00	6731.40
Mean	0.01	15.73	7.49	32.54	36.80	74.83	52.40	0.00	0.00	0.00	0.00	0.00	18.44
Max	0.20	62.80	20.00	84.00	79.20	176.00	229.20	0.00	0.00	0.00	0.00	0.00	229.20
Min	0.00	1.80	0.00	3.00	5.40	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Runoff	0.02	42.14	19.41	87.16	98.56	193.97	140.35	0.00	0.00	0.00	0.00	0.00	581.59
Momentary Peak		246.00	CMS. at 189.60 m. (MSL.) at 14.00 Hours , on Oct 3, 2022										
Runoff Yield		14.05	Liters/Second/Square KM.				187.36	Liters/Second/Square KM.					

WATER YEAR : 2022**KHONG RIVER BASIN****Loei River at Ban Na Lak , Loei (Kh.28A)**

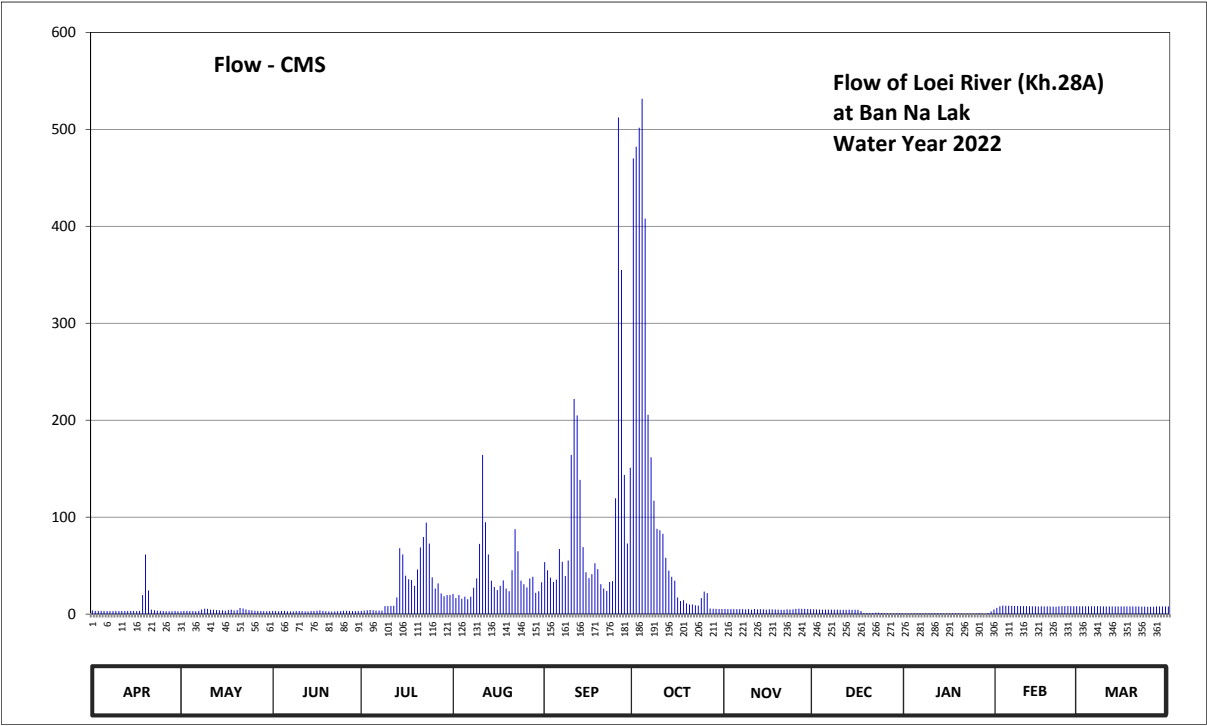
Lat 17 - 18 - 44 N Long 101 - 46 - 21 E

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

	Ban Na Lak	Amphoe Wang Saphung	Changwat Loei
Drainage Area	1,289 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+239.600 m. (MSL.)		
Bench Mark	B.M.- Highways Dept.		
Location BM	On right bank upstream at the footpath of the bridge.	Elevation	+253.724 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1994 to date		
Rating Operation			
Period of Rating	1994 to date		
Rated by Float	-		
Rated by Current Meter	1994 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	Overbank flow starts at elevation +247.230 m.(MSL.), record are channel flow only.		
General Description	Records fair. Stage-discharge relation defined by 30 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	241.30	241.16	241.23	241.21	241.67	242.49	247.80	241.55	241.49	240.62	241.77	242.05	
2	241.22	241.21	241.19	241.29	241.55	242.28	247.88	241.52	241.47	240.61	242.04	242.05	
3	241.23	241.21	241.17	241.34	241.64	242.09	248.01	241.53	241.47	240.61	242.15	242.05	
4	241.22	241.18	241.23	241.38	241.53	241.98	248.18	241.54	241.46	240.63	242.14	242.05	
5	241.21	241.20	241.21	241.34	241.60	242.04	247.36	241.54	241.46	240.65	242.13	242.05	
6	241.20	241.17	241.16	241.28	241.51	242.83	245.51	241.52	241.45	240.67	242.13	242.03	
7	241.20	241.21	241.13	241.28	241.60	242.50	244.83	241.52	241.45	240.66	242.11	242.03	
8	241.20	241.47	241.14	241.29	241.83	242.13	243.98	241.51	241.45	240.64	242.10	242.03	
9	241.22	241.63	241.20	241.26	242.07	242.53	243.35	241.53	241.44	240.66	242.08	242.02	
10	241.20	241.58	241.20	241.26	242.96	244.87	243.31	241.46	241.43	240.70	242.07	242.02	
11	241.22	241.45	241.19	241.27	244.87	245.71	243.22	241.55	241.42	240.68	242.06	242.02	
12	241.21	241.41	241.14	241.28	243.52	245.50	242.60	241.47	241.43	240.67	242.05	242.02	
13	241.21	241.36	241.13	241.57	242.69	244.41	242.27	241.54	241.44	240.64	242.04	242.02	
14	241.22	241.33	241.18	242.85	242.01	242.88	242.11	241.49	241.43	240.59	242.03	242.02	
15	241.23	241.33	241.21	242.69	241.85	242.23	242.01	241.45	241.42	240.58	242.02	242.02	
16	241.20	241.26	241.24	242.14	241.77	242.08	241.57	241.49	241.41	240.65	242.03	242.02	
17	241.23	241.37	241.30	242.05	241.88	242.18	241.45	241.49	241.18	240.64	242.02	242.01	
18	241.64	241.46	241.22	242.03	242.02	242.46	241.48	241.48	240.67	240.63	242.01	242.01	
19	242.69	241.31	241.17	241.88	241.81	242.31	241.37	241.44	240.72	240.61	242.00	242.02	
20	241.76	241.36	241.13	242.30	241.74	241.92	241.33	241.42	240.74	240.61	241.98	242.01	
21	241.45	241.73	241.12	242.87	242.28	241.81	241.33	241.41	240.73	240.51	241.97	242.01	
22	241.34	241.65	241.13	243.14	243.34	241.75	241.30	241.50	240.84	240.55	242.03	241.99	
23	241.26	241.48	241.15	243.51	242.77	241.98	241.29	241.48	240.84	240.56	242.06	241.98	
24	241.22	241.35	241.19	242.97	242.01	242.00	241.55	241.50	240.72	240.56	242.06	241.97	
25	241.18	241.30	241.25	242.10	241.92	244.03	241.73	241.59	240.64	240.57	242.06	241.97	
26	241.17	241.24	241.26	241.81	241.84	248.07	241.69	241.62	240.65	240.68	242.05	241.97	
27	241.16	241.21	241.22	241.94	242.07	246.96	241.64	241.58	240.65	240.58	242.05	242.00	
28	241.17	241.20	241.19	241.68	242.11	244.51	241.59	241.60	240.62	240.48	242.05	242.01	
29	241.22	241.15	241.19	241.61	241.70	242.97	241.58	241.56	240.65	240.74		242.00	
30	241.17	241.15	241.20	241.64	241.74	244.65	241.57	241.52	240.68	241.13		242.00	
31		241.20		241.64	241.97		241.57		240.66	241.47		242.00	
Mean	241.31	241.33	241.19	241.87	242.12	243.21	243.11	241.51	241.10	240.66	242.05	242.01	
Max	242.69	241.73	241.30	243.51	244.87	248.07	248.18	241.62	241.49	241.47	242.15	242.05	248.18
Min	241.16	241.15	241.12	241.21	241.51	241.75	241.29	241.41	240.62	240.48	241.77	241.97	240.48
Annual Max Momentary Gage Height	248.38		m. (MSL.) ,			at 05.00 Hours , on Oct 4 , 2022							
Zero Gage at Bottom Elevation	239.60		m. (MSL.) ,			River Bed	238.63	m. (MSL.)					
Left Bank Elevation		247.22		m. (MSL.) ,									
Right Bank Elevation		247.52		m. (MSL.) ,		Drainage Are	1,289	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.75	2.93	3.34	3.23	20.80	53.60	470.00	5.21	4.86	0.73	6.49	8.13	
2	3.28	3.23	3.11	3.69	16.50	45.20	482.00	5.03	4.74	0.70	8.07	8.13	
3	3.34	3.23	2.99	3.98	19.60	37.60	501.75	5.09	4.74	0.70	8.71	8.13	
4	3.28	3.05	3.34	4.22	15.90	33.20	531.50	5.15	4.68	0.77	8.65	8.13	
5	3.23	3.17	3.23	3.98	18.00	35.60	408.00	5.15	4.68	0.83	8.59	8.13	
6	3.17	2.99	2.93	3.63	15.30	67.20	205.70	5.03	4.63	0.90	8.59	8.01	
7	3.17	3.23	2.76	3.63	18.00	54.00	161.80	5.03	4.63	0.87	8.48	8.01	
8	3.17	4.74	2.82	3.69	27.20	39.20	117.00	4.98	4.63	0.80	8.42	8.01	
9	3.28	5.68	3.17	8.20	36.80	55.20	88.00	5.09	4.57	0.87	8.30	7.95	
10	3.17	5.38	3.17	8.20	72.40	164.20	86.40	4.68	4.51	1.00	8.24	7.95	
11	3.28	4.63	3.11	8.40	164.20	221.90	82.80	5.21	4.45	0.93	8.18	7.95	
12	3.23	4.39	2.82	8.60	94.80	205.00	58.00	4.74	4.51	0.90	8.13	7.95	
13	3.23	4.10	2.76	17.10	61.60	138.50	44.80	5.15	4.57	0.80	8.07	7.95	
14	3.28	3.93	3.05	68.00	34.40	69.20	38.40	4.86	4.51	0.63	8.01	7.95	
15	3.34	3.93	3.23	61.60	28.00	43.20	34.40	4.63	4.45	0.60	7.95	7.95	
16	3.17	3.52	3.40	39.60	24.80	37.20	17.10	4.86	4.39	0.83	8.01	7.95	
17	3.34	4.16	3.75	36.00	29.20	41.20	13.50	4.86	3.05	0.80	7.95	7.89	
18	19.60	4.68	3.28	35.20	34.80	52.40	14.40	4.80	0.90	0.77	7.89	7.89	
19	61.60	3.81	2.99	29.20	26.40	46.40	11.10	4.57	1.07	0.70	7.83	7.95	
20	24.40	4.10	2.76	46.00	23.60	30.80	9.90	4.45	1.13	0.70	7.72	7.89	
21	4.63	6.26	2.70	68.80	45.20	26.40	9.90	4.39	1.10	0.37	7.66	7.89	
22	3.98	5.79	2.76	79.60	87.60	24.00	9.00	4.92	1.47	0.50	8.01	7.78	
23	3.52	4.80	2.88	94.40	64.80	33.20	8.80	4.80	1.47	0.53	8.18	7.72	
24	3.28	4.04	3.11	72.80	34.40	34.00	16.50	4.92	1.07	0.53	8.18	7.66	
25	3.05	3.75	3.46	38.00	30.80	119.50	23.20	5.44	0.80	0.57	8.18	7.66	
26	2.99	3.40	3.52	26.40	27.60	512.25	21.60	5.62	0.83	0.93	8.13	7.66	
27	2.93	3.23	3.28	31.60	36.80	355.00	5.73	5.38	0.83	0.60	8.13	7.83	
28	2.99	3.17	3.11	21.20	38.40	143.50	5.44	5.50	0.73	0.27	8.13	7.89	
29	3.28	2.88	3.11	18.40	22.00	72.80	5.38	5.27	0.83	1.13		7.83	
30	2.99	2.88	3.17	19.60	23.60	151.00	5.33	5.03	0.93	2.76		7.83	
31		3.17		19.60	32.80		5.33		0.87	4.74		7.83	
Total	194.95	122.25	93.11	886.55	1226.30	2942.45	3492.76	149.84	90.63	28.76	226.88	245.48	9699.96
Mean	6.50	3.94	3.10	28.60	39.56	98.08	112.67	4.99	2.92	0.93	8.10	7.92	26.58
Max	61.60	6.26	3.75	94.40	164.20	512.25	531.50	5.62	4.86	4.74	8.71	8.13	531.50
Min	2.93	2.88	2.70	3.23	15.30	24.00	5.33	4.39	0.73	0.27	6.49	7.66	0.27
Runoff	16.84	10.56	8.04	76.60	105.95	254.23	301.77	12.95	7.83	2.48	19.60	21.21	838.08
Momentary Peak	566.50 CMS. at 248.38 m. (MSL.) at 05:00 Hours , on Oct 4, 2022												
Runoff Yield	20.62	Liters/Second/Square KM.			Momentary Peak Yield			439.49	Liters/Second/Square KM.				

WATER YEAR : 2022**KHONG RIVER BASIN****Huai Luang at Ban Nong Wua So , Udon Thani (Kh.53)**

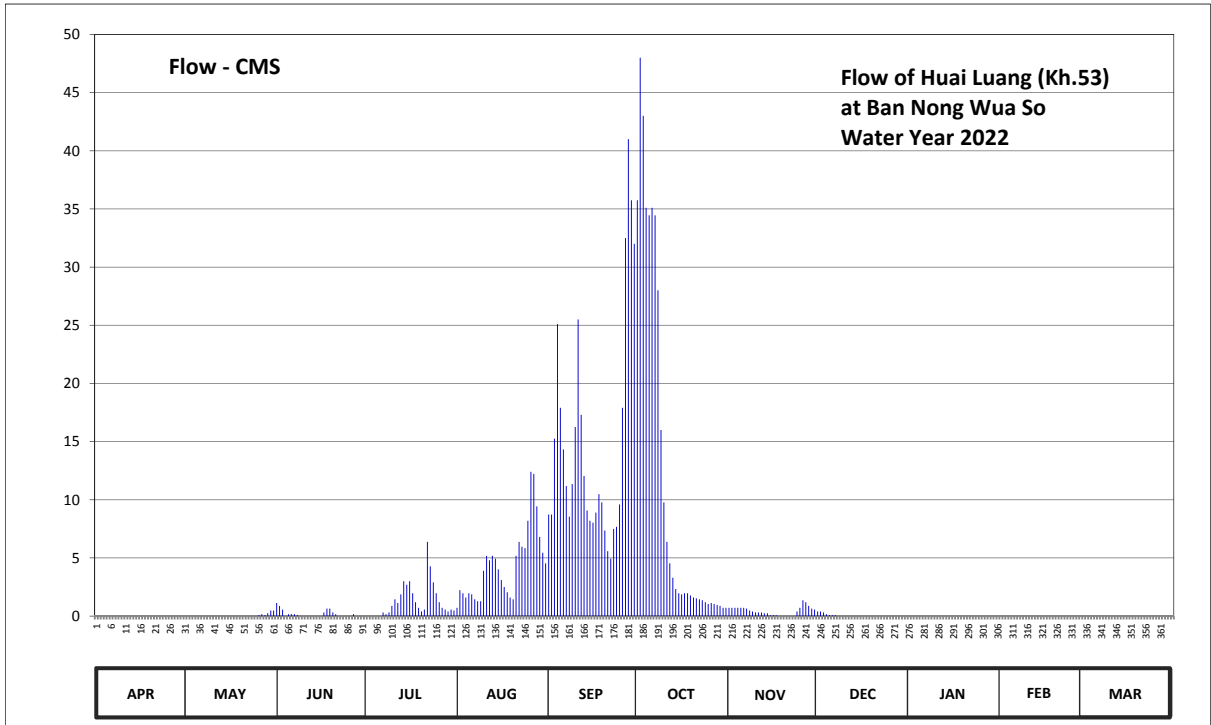
Lat 17 - 15 - 57 N Long 102 - 35 - 33 E

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

	Ban	Nong Wua So	Amphoe	Nong Wua So	Changwat	Udon Thani
Drainge Area	419	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+201.300 m. (MSL.)					
Bench Mark	B.M.- H.D.					
Location BM	On right bank downstream side at the footpath of the bridge.				Elevation	+206.018 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1970 to date					
Rating Operation						
Period of Rating	1975 - 1986 , 1997 to date					
Rated by Float	-					
Rated by Current Meter	1975 - 1986 , 1997 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Flow regulated by Huai Luang barrage.					
	Stage-discharge relation defined by 32 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	203.75	203.69	204.24	204.09	204.19	204.87	205.75	204.19	204.15	204.07	204.04	204.01	
2	203.75	203.69	204.21	204.10	204.37	204.87	205.89	204.19	204.15	204.07	204.04	204.01	
3	203.75	203.69	204.17	204.10	204.34	205.23	205.84	204.19	204.14	204.07	204.04	204.00	
4	203.75	203.69	204.10	204.09	204.30	205.54	205.74	204.19	204.12	204.07	204.05	204.00	
5	203.75	203.69	204.12	204.09	204.34	205.33	205.73	204.19	204.11	204.07	204.05	203.99	
6	203.75	203.69	204.12	204.10	204.33	205.19	205.74	204.19	204.11	204.07	204.05	203.98	
7	203.75	203.69	204.12	204.14	204.28	205.01	205.73	204.18	204.11	204.07	204.05	203.97	
8	203.75	203.69	204.11	204.12	204.26	204.86	205.61	204.16	204.10	204.07	204.06	203.96	
9	203.75	203.69	204.09	204.14	204.26	205.02	205.26	204.15	204.10	204.07	204.06	203.95	
10	203.75	203.69	204.08	204.21	204.53	205.27	204.93	204.14	204.10	204.07	204.06	203.94	
11	203.75	203.72	204.08	204.28	204.63	205.55	204.72	204.14	204.10	204.07	204.07	203.93	
12	203.75	203.74	204.07	204.24	204.60	205.31	204.58	204.14	204.10	204.07	204.07	203.92	
13	203.75	203.77	204.07	204.33	204.63	205.06	204.48	204.13	204.09	204.07	204.07	203.91	
14	203.75	203.80	204.07	204.45	204.61	204.89	204.38	204.13	204.09	204.06	204.07	203.90	
15	203.75	203.82	204.07	204.42	204.54	204.84	204.34	204.11	204.08	204.06	204.06	203.89	
16	203.75	203.85	204.09	204.45	204.46	204.83	204.33	204.11	204.08	204.06	204.06	203.89	
17	203.75	203.87	204.14	204.34	204.40	204.88	204.34	204.11	204.08	204.06	204.05	203.88	
18	203.75	203.90	204.18	204.25	204.35	204.97	204.34	204.10	204.07	204.06	204.05	203.87	
19	203.75	203.93	204.18	204.19	204.30	204.93	204.32	204.10	204.07	204.06	204.05	203.87	
20	203.75	203.95	204.14	204.15	204.28	204.79	204.30	204.10	204.07	204.06	204.04	203.86	
21	203.75	203.98	204.12	204.17	204.63	204.66	204.29	204.10	204.07	204.06	204.04	203.86	
22	203.74	204.00	204.10	204.72	204.72	204.61	204.28	204.10	204.07	204.05	204.03	203.85	
23	203.74	204.03	204.09	204.56	204.69	204.80	204.27	204.10	204.07	204.05	204.03	203.84	
24	203.73	204.06	204.08	204.44	204.68	204.81	204.25	204.15	204.07	204.05	204.02	203.83	
25	203.72	204.08	204.07	204.34	204.84	204.92	204.23	204.19	204.07	204.05	204.02	203.82	
26	203.71	204.11	204.09	204.25	205.08	205.33	204.24	204.27	204.07	204.05	204.02	203.81	
27	203.70	204.12	204.12	204.19	205.07	205.70	204.23	204.25	204.07	204.05	204.02	203.80	
28	203.69	204.11	204.10	204.17	204.91	205.82	204.22	204.21	204.07	204.05	204.02	203.79	
29	203.69	204.13	204.09	204.15	204.75	205.75	204.21	204.18	204.07	204.05		203.78	
30	203.69	204.16	204.09	204.17	204.65	205.69	204.19	204.17	204.07	204.05		203.77	
31		204.16		204.16	204.58		204.19		204.07	204.04		203.76	
Mean	203.74	203.88	204.11	204.25	204.54	205.11	204.74	204.16	204.09	204.06	204.05	203.89	
Max	203.75	204.16	204.24	204.72	205.08	205.82	205.89	204.27	204.15	204.07	204.07	204.01	205.89
Min	203.69	203.69	204.07	204.09	204.19	204.61	204.19	204.10	204.07	204.04	204.02	203.76	203.69
Annual Max Momentary Gage Height	205.92	m. (MSL.) ,		at 14.00 Hours , on Oct 2, 2022									
Zero Gage at Bottom Elevation	201.30	m. (MSL.) ,		River Bed		203.04	m. (MSL.)						
Left Bank Elevation	206.52	m. (MSL.) ,											
Right Bank Elevation	207.45	m. (MSL.) ,		Drainage Are		419	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	1.12	0.00	0.72	8.73	35.75	0.72	0.40	0.00	0.00	0.00	
2	0.00	0.00	0.88	0.00	2.23	8.73	48.00	0.72	0.40	0.00	0.00	0.00	
3	0.00	0.00	0.56	0.00	1.96	15.25	43.00	0.72	0.32	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	1.60	25.10	35.10	0.72	0.16	0.00	0.00	0.00	
5	0.00	0.00	0.16	0.00	1.96	17.90	34.45	0.72	0.08	0.00	0.00	0.00	
6	0.00	0.00	0.16	0.00	1.87	14.33	35.10	0.72	0.08	0.00	0.00	0.00	
7	0.00	0.00	0.16	0.32	1.44	11.18	34.45	0.64	0.08	0.00	0.00	0.00	
8	0.00	0.00	0.08	0.16	1.28	8.55	28.00	0.48	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.32	1.28	11.35	16.00	0.40	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.88	3.89	16.25	9.78	0.32	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	1.44	5.19	25.50	6.38	0.32	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	1.12	4.80	17.30	4.54	0.32	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	1.87	5.19	12.05	3.30	0.24	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	3.00	4.93	9.08	2.32	0.24	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	2.70	4.02	8.20	1.96	0.08	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	3.00	3.10	8.03	1.87	0.08	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.32	1.96	2.50	8.90	1.96	0.08	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.64	1.20	2.05	10.48	1.96	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.64	0.72	1.60	9.78	1.78	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.32	0.40	1.44	7.36	1.60	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.16	0.56	5.19	5.58	1.52	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	6.38	6.38	4.93	1.44	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	4.28	5.97	7.50	1.36	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	2.90	5.84	7.68	1.20	0.40	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	1.96	8.20	9.60	1.04	0.72	0.00	0.00	0.00	0.00	
26	0.00	0.08	0.00	1.20	12.40	17.90	1.12	1.36	0.00	0.00	0.00	0.00	
27	0.00	0.16	0.16	0.72	12.23	32.50	1.04	1.20	0.00	0.00	0.00	0.00	
28	0.00	0.08	0.00	0.56	9.43	41.00	0.96	0.88	0.00	0.00	0.00	0.00	
29	0.00	0.24	0.00	0.40	6.80	35.75	0.88	0.64	0.00	0.00	0.00	0.00	
30	0.00	0.48	0.00	0.56	5.45	32.00	0.72	0.56	0.00	0.00	0.00	0.00	
31		0.48		0.48	4.54		0.72		0.00	0.00		0.00	
Total	0.00	1.52	5.36	39.09	135.48	448.49	359.30	13.28	1.52	0.00	0.00	0.00	1004.04 CMSDAY
Mean	0.00	0.05	0.18	1.26	4.37	14.95	11.59	0.44	0.05	0.00	0.00	0.00	2.75 CMS
Max	0.00	0.48	1.12	6.38	12.40	41.00	48.00	1.36	0.40	0.00	0.00	0.00	48.00 CMS
Min	0.00	0.00	0.00	0.00	0.72	4.93	0.72	0.00	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	0.13	0.46	3.38	11.71	38.75	31.04	1.15	0.13	0.00	0.00	0.00	86.75 MCM
Momentary Peak	51.00	CMS. at 205.92 m. (MSL.) at 14.00 Hours , on Oct 2, 2022											
Runoff Yield	6.57	Liters/Second/Square KM.		Momentary Peak Yield			121.72	Liters/Second/Square KM.					

WATER YEAR : 2022**KHONG RIVER BASIN****Nam Un at Ban Na Wa , Nakhon Phanom (Kh.54)**

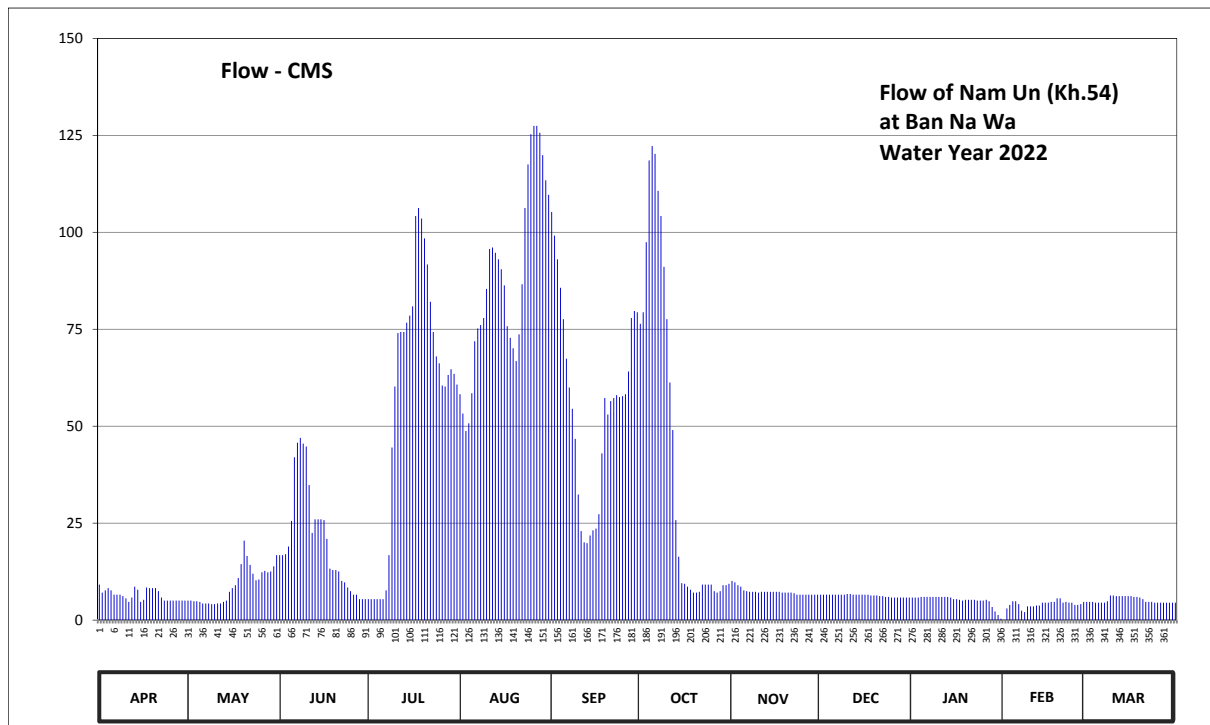
Lat 17 - 29 - 39 N Long 104 - 06 - 37 E

Location : on left bank at Ban Na Wa.

	Ban	Na Wa	Amphoe	Na Wa	Changwat	Nakhon Phanom
Drainge Area	3,113	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+136.200 m. (MSL.)					
Bench Mark	B.M.- H.D.					
Location BM	On left bank at the footpath of the bridge.				Elevation	+149.635 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1970 to date					
Rating Operation						
Period of Rating	1970 to date					
Rated by Float	-					
Rated by Current Meter	1970 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 24 discharge measurements made in 2022.					

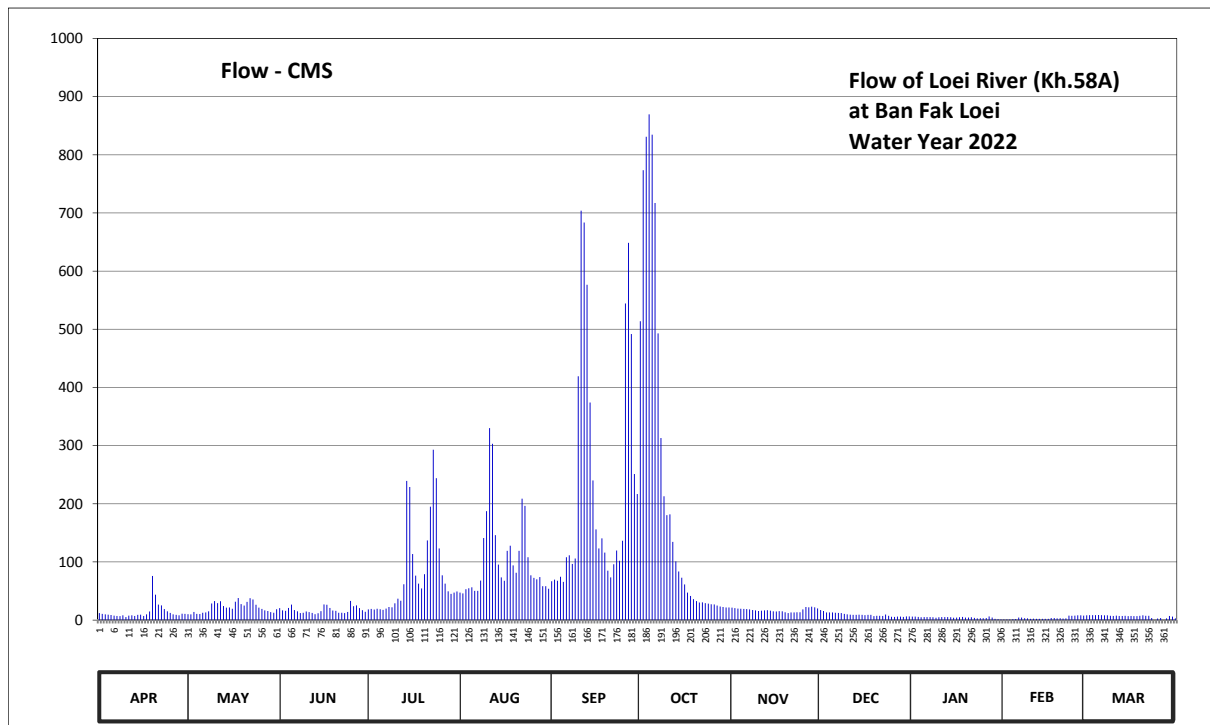
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	140.69	140.47	141.08	140.49	142.85	144.39	143.48	140.74	140.55	140.51	140.19	140.45	
2	140.58	140.47	141.08	140.49	142.65	144.21	143.58	140.72	140.55	140.51	140.36	140.45	
3	140.61	140.46	141.09	140.49	142.47	144.03	144.16	140.68	140.55	140.51	140.41	140.45	
4	140.64	140.46	141.18	140.49	142.55	143.79	144.78	140.66	140.55	140.52	140.46	140.44	
5	140.61	140.45	141.48	140.49	142.86	143.52	144.89	140.61	140.55	140.52	140.46	140.44	
6	140.55	140.43	142.20	140.49	143.33	143.18	144.83	140.60	140.55	140.52	140.42	140.44	
7	140.55	140.43	142.35	140.61	143.44	142.92	144.55	140.59	140.55	140.52	140.33	140.44	
8	140.55	140.43	142.40	141.08	143.47	142.70	144.36	140.59	140.55	140.52	140.31	140.46	
9	140.53	140.42	142.34	142.30	143.53	142.39	143.97	140.59	140.55	140.52	140.39	140.54	
10	140.50	140.42	142.31	142.93	143.78	141.79	143.52	140.58	140.56	140.52	140.39	140.54	
11	140.45	140.43	141.90	143.40	144.11	141.36	142.97	140.59	140.56	140.52	140.39	140.53	
12	140.51	140.43	141.34	143.41	144.12	141.23	142.48	140.59	140.55	140.52	140.40	140.53	
13	140.66	140.45	141.50	143.41	144.08	141.22	141.49	140.59	140.55	140.52	140.40	140.53	
14	140.62	140.47	141.50	143.49	144.03	141.31	141.06	140.59	140.55	140.51	140.44	140.53	
15	140.45	140.59	141.50	143.55	143.95	141.37	140.71	140.59	140.55	140.49	140.44	140.53	
16	140.48	140.64	141.49	143.63	143.81	141.39	140.70	140.59	140.55	140.49	140.44	140.53	
17	140.65	140.68	141.27	144.36	143.46	141.56	140.66	140.59	140.55	140.48	140.45	140.52	
18	140.64	140.78	140.91	144.42	143.36	142.24	140.62	140.58	140.54	140.47	140.45	140.52	
19	140.64	140.97	140.89	144.34	143.27	142.81	140.58	140.58	140.54	140.48	140.50	140.51	
20	140.64	141.25	140.89	144.19	143.16	142.64	140.58	140.58	140.54	140.48	140.50	140.49	
21	140.60	141.07	140.87	143.99	143.39	142.78	140.59	140.58	140.53	140.48	140.44	140.45	
22	140.51	140.96	140.74	143.67	143.82	142.81	140.69	140.57	140.53	140.48	140.45	140.45	
23	140.47	140.84	140.72	143.41	144.42	142.84	140.69	140.55	140.52	140.47	140.44	140.45	
24	140.47	140.75	140.65	143.20	144.75	142.82	140.69	140.55	140.52	140.47	140.44	140.44	
25	140.47	140.76	140.60	143.14	144.98	142.83	140.69	140.55	140.51	140.47	140.41	140.44	
26	140.47	140.86	140.55	142.94	145.04	142.85	140.60	140.55	140.51	140.48	140.41	140.44	
27	140.47	140.88	140.55	142.93	145.04	143.07	140.58	140.55	140.51	140.46	140.42	140.44	
28	140.47	140.86	140.49	143.04	144.99	143.53	140.60	140.55	140.51	140.38	140.45	140.44	
29	140.47	140.87	140.49	143.09	144.82	143.59	140.68	140.55	140.51	140.32		140.44	
30	140.47	140.94	140.49	143.05	144.63	143.58	140.68	140.55	140.51	140.27		140.44	
31		141.08		142.95	144.52		140.70		140.51	140.22		140.44	
Mean	140.55	140.68	141.23	142.69	143.83	142.69	141.97	140.59	140.54	140.47	140.41	140.48	
Max	140.69	141.25	142.40	144.42	145.04	144.39	144.89	140.74	140.56	140.52	140.50	140.54	145.04
Min	140.45	140.42	140.49	140.49	142.47	141.22	140.58	140.55	140.51	140.22	140.19	140.44	140.19
Annual Max Momentary Gage Height	145.05	m. (MSL.) ,		at 19.00 Hours , on Aug 26, 2022									
Zero Gage at Bottom Elevation	136.20	m. (MSL.) ,		River Bed		138.51	m. (MSL.)						
Left Bank Elevation	149.67	m. (MSL.) ,											
Right Bank Elevation	148.38	m. (MSL.) ,		Drainage Are		3.113	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	9.16	5.05	16.76	5.42	58.25	105.26	76.40	10.10	6.55	5.80	0.00	4.68		
2	7.11	5.05	16.76	5.42	53.25	99.14	79.40	9.72	6.55	5.80	2.99	4.68		
3	7.67	4.86	16.98	5.42	48.75	93.02	97.44	8.98	6.55	5.80	3.93	4.68		
4	8.23	4.86	18.96	5.42	50.75	85.70	118.52	8.60	6.55	5.98	4.86	4.49		
5	7.67	4.68	25.56	5.42	58.50	77.60	122.26	7.67	6.55	5.98	4.86	4.49		
6	6.55	4.30	42.00	5.42	71.90	67.40	120.22	7.48	6.55	5.98	4.11	4.49		
7	6.55	4.30	45.75	7.67	75.20	60.00	110.70	7.29	6.55	5.98	2.43	4.49		
8	6.55	4.30	47.00	16.76	76.10	54.50	104.24	7.29	6.55	5.98	2.06	4.86		
9	6.17	4.11	45.50	44.50	77.90	46.75	91.10	7.29	6.55	5.98	3.55	6.36		
10	5.61	4.11	44.75	60.25	85.40	32.38	77.60	7.11	6.73	5.98	3.55	6.36		
11	4.68	4.30	34.80	74.00	95.74	22.92	61.25	7.29	6.73	5.98	3.55	6.17		
12	5.80	4.30	22.48	74.30	96.08	20.06	49.00	7.29	6.55	5.98	3.74	6.17		
13	8.60	4.68	26.00	74.30	94.72	19.84	25.78	7.29	6.55	5.98	3.74	6.17		
14	7.85	5.05	26.00	76.70	93.02	21.82	16.32	7.29	6.55	5.80	4.49	6.17		
15	4.68	7.29	26.00	78.50	90.50	23.14	9.54	7.29	6.55	5.42	4.49	6.17		
16	5.24	8.23	25.78	80.90	86.30	23.58	9.35	7.29	6.55	5.42	4.49	6.17		
17	8.42	8.98	20.94	104.24	75.80	27.32	8.60	7.29	6.55	5.24	4.68	5.98		
18	8.23	10.85	13.28	106.28	72.80	43.00	7.85	7.11	6.36	5.05	4.68	5.98		
19	8.23	14.43	12.90	103.56	70.10	57.25	7.11	7.11	6.36	5.24	5.61	5.80		
20	8.23	20.50	12.90	98.46	66.80	53.00	7.11	7.11	6.36	5.24	5.61	5.42		
21	7.48	16.54	12.53	91.70	73.70	56.50	7.29	7.11	6.17	5.24	4.49	4.68		
22	5.80	14.24	10.10	82.10	86.60	57.25	9.16	6.92	6.17	5.24	4.68	4.68		
23	5.05	11.97	9.72	74.30	106.28	58.00	9.16	6.55	5.98	5.05	4.49	4.68		
24	5.05	10.29	8.42	68.00	117.50	57.50	9.16	6.55	5.98	5.05	4.49	4.49		
25	5.05	10.47	7.48	66.20	125.32	57.75	9.16	6.55	5.80	5.05	3.93	4.49		
26	5.05	12.34	6.55	60.50	127.44	58.25	7.48	6.55	5.80	5.24	3.93	4.49		
27	5.05	12.72	6.55	60.25	127.44	64.10	7.11	6.55	5.80	4.86	4.11	4.49		
28	5.05	12.34	5.42	63.20	125.66	77.90	7.48	6.55	5.80	3.37	4.68	4.49		
29	5.05	12.53	5.42	64.70	119.88	79.70	8.98	6.55	5.80	2.24		4.49		
30	5.05	13.85	5.42	63.50	113.42	79.40	8.98	6.55	5.80	1.31		4.49		
31		16.76		60.75	109.68		9.35		5.80	0.37		4.49		
Total	194.91	278.28	618.71	1788.14	2730.78	1680.03	1293.10	220.32	195.69	157.63	112.22	159.74	9429.55	CMSDAY
Mean	6.50	8.98	20.62	57.68	88.09	56.00	41.71	7.34	6.31	5.08	4.01	5.15	25.83	CMS
Max	9.16	20.50	47.00	106.28	127.44	105.26	122.26	10.10	6.73	5.98	5.61	6.36	127.44	CMS
Min	4.68	4.11	5.42	5.42	48.75	19.84	7.11	6.55	5.80	0.37	0.00	4.49	0.00	CMS
Runoff	16.84	24.04	53.46	154.50	235.94	145.15	111.72	19.04	16.91	13.62	9.70	13.80	814.71	MCM
Momentary Peak	127.80 CMS. at 145.05 m. (MSL.) at 19.00 Hours , on Aug 26, 2022													
Runoff Yield	8.30	Liters/Second/Square KM.		Momentary Peak Yield		41.05	Liters/Second/Square KM.							



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	12.00	10.20	20.70	18.30	47.20	66.80	513.90	21.30	17.40	6.00	1.20	8.10		
2	10.80	9.90	16.80	19.20	46.00	69.50	773.40	20.70	15.60	6.00	1.20	8.40		
3	9.90	14.10	15.90	18.00	53.20	67.60	831.00	19.80	13.20	5.40	1.20	8.40		
4	9.30	10.80	21.00	19.50	54.80	74.50	869.40	19.50	13.20	4.80	1.50	8.40		
5	8.70	10.50	26.70	18.60	56.40	65.60	834.60	19.20	13.20	5.10	1.80	8.70		
6	7.80	12.60	17.40	17.70	50.40	108.00	717.00	18.90	12.60	5.10	4.50	8.40		
7	7.20	13.20	15.00	19.80	50.40	111.50	493.00	18.30	12.30	5.10	4.50	8.10		
8	6.90	15.00	12.00	22.50	68.00	96.50	313.09	17.40	12.00	4.80	3.30	8.10		
9	8.10	28.50	12.60	21.90	141.20	106.00	212.80	16.80	10.80	4.20	3.00	7.50		
10	5.10	32.70	14.70	28.80	187.40	419.30	180.40	15.60	9.90	4.80	2.10	7.20		
11	7.80	29.10	13.80	36.80	330.00	703.80	181.80	16.20	9.30	5.10	2.40	7.80		
12	8.10	32.40	12.30	33.30	303.07	683.40	134.60	16.80	9.00	5.10	2.10	7.20		
13	7.20	24.30	10.20	61.60	146.10	576.60	101.00	17.10	9.00	5.10	2.10	7.20		
14	9.00	21.30	11.70	239.29	95.50	374.00	83.50	16.20	9.30	4.80	2.10	7.50		
15	9.30	21.60	15.30	228.80	73.50	240.20	73.00	15.00	9.00	4.20	2.10	6.90		
16	7.20	19.50	27.00	113.60	67.60	155.90	61.20	14.70	8.40	4.50	2.10	7.20		
17	9.90	31.50	26.40	76.50	119.00	123.20	47.20	15.30	9.00	4.80	3.60	6.90		
18	14.70	38.00	21.00	62.80	128.00	140.50	41.60	15.00	9.00	5.40	3.60	6.90		
19	76.00	27.60	16.50	54.40	94.00	116.00	36.00	13.50	6.90	4.50	3.00	7.50		
20	43.60	24.90	15.90	79.00	81.50	85.00	32.70	12.00	7.50	4.50	3.30	8.10		
21	26.70	31.20	12.60	137.00	119.00	73.50	30.30	13.20	7.50	4.80	2.70	7.50		
22	25.20	37.60	12.60	195.10	208.80	96.00	30.60	13.20	7.20	3.90	3.00	7.50		
23	18.90	35.40	12.00	293.04	196.50	119.60	29.10	13.50	9.60	3.00	7.80	3.60		
24	15.00	26.40	14.10	243.84	108.00	102.00	28.20	13.50	7.50	3.30	7.50	0.00		
25	12.30	21.30	33.00	123.20	77.00	136.40	27.30	18.30	5.70	3.30	7.80	2.70		
26	9.90	19.20	24.00	77.00	72.50	544.20	27.00	22.50	5.40	3.60	8.10	3.60		
27	9.00	16.80	25.20	62.80	70.00	648.60	24.90	21.90	6.00	6.30	8.10	0.00		
28	8.10	15.60	20.70	49.60	74.00	491.90	23.40	23.10	6.00	4.50	7.80	3.00		
29	11.10	13.80	17.10	45.20	58.40	251.13	22.50	21.90	5.40	2.10		7.20		
30	10.80	12.60	14.40	47.20	58.40	216.80	21.60	20.10	6.30	1.50		6.00		
31		18.60		49.20	54.00		21.60		6.30	1.20		3.00		
Total	425.60	676.20	528.60	2513.57	3289.87	7064.03	6817.69	520.50	289.50	136.80	103.50	198.60	22564.46	CMSDAY
Mean	14.19	21.81	17.62	81.08	106.12	235.47	219.93	17.35	9.34	4.41	3.70	6.41	61.82	CMS
Max	76.00	38.00	33.00	293.04	330.00	703.80	869.40	23.10	17.40	6.30	8.10	8.70	869.40	CMS
Min	5.10	9.90	10.20	17.70	46.00	65.60	21.60	12.00	5.40	1.20	1.20	0.00	0.00	CMS
Runoff	36.77	58.42	45.67	217.17	284.24	610.33	589.05	44.97	25.01	11.82	8.94	17.16	1949.57	MCM
Momentary Peak	898.20 CMS. at 240.61 m. (MSL.) at 16.00 Hours , on Oct 4, 2022													
Runoff Yield	19.14	Liters/Second/Square KM.		Momentary Peak Yield		278.08	Liters/Second/Square KM.							

WATER YEAR : 2022**KHONG RIVER BASIN****Loei River at Ban Keng Bong , Loei (Kh.61)**

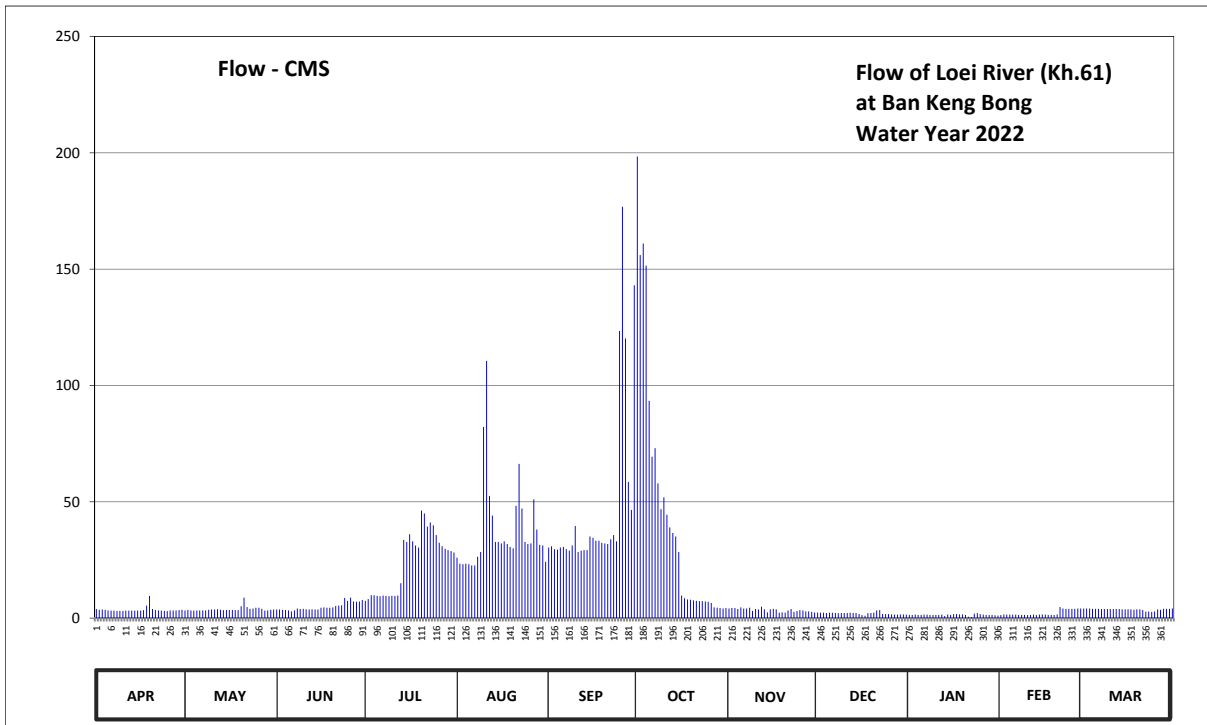
Lat 17 - 07 - 52 N Long 101 - 40 - 44 E

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

	Ban Keng Bong	Amphoe Phu Luang	Changwat Loei
Drainge Area	595 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+258.400 m. (MSL.)		
Bench Mark	B.M.- Highways Dept.		
Location BM	On right bank downstream side at the footpath of the bridge.	Elevation	+271.976 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1982 to date		
Rating Operation			
Period of Rating	1993 to date		
Rated by Float	-		
Rated by Current Meter	1993 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 28 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

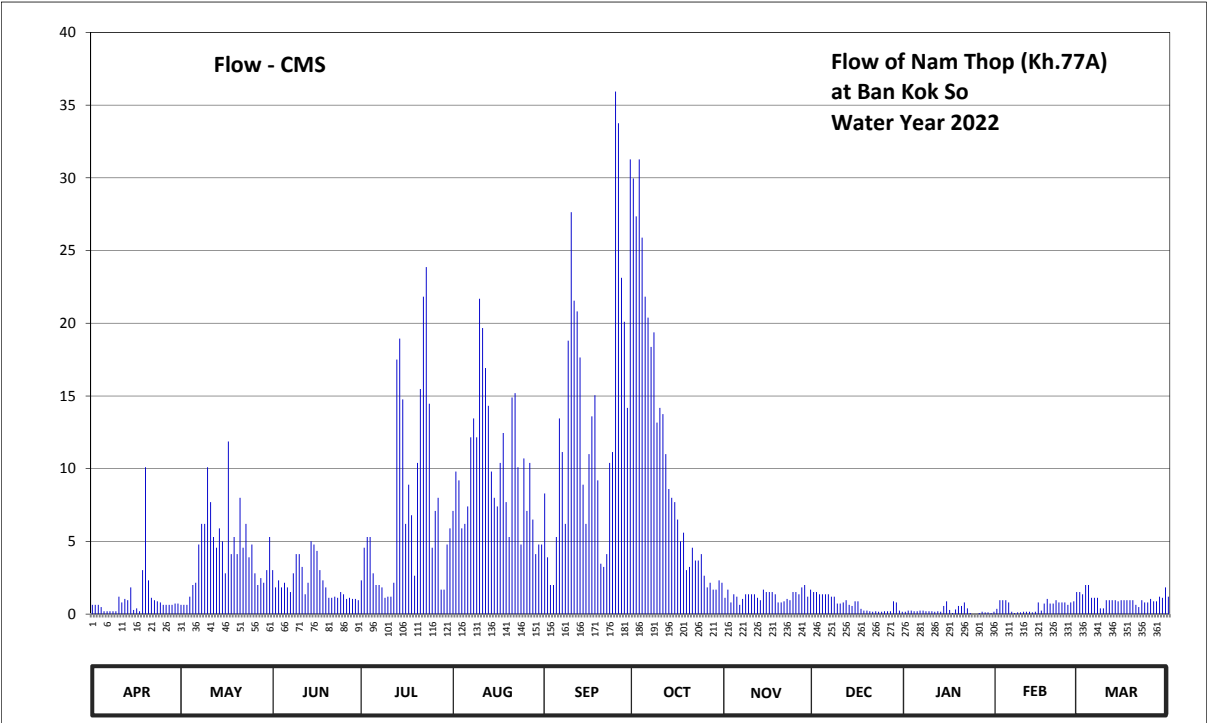
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	258.99	258.93	258.97	259.23	260.20	260.41	264.49	259.01	258.84	258.74	258.73	259.01	
2	258.96	258.95	258.97	259.28	260.07	260.43	263.72	259.02	258.83	258.74	258.76	259.01	
3	258.97	258.93	258.96	259.39	260.06	260.38	263.82	259.02	258.83	258.75	258.75	259.01	
4	258.96	258.92	258.95	259.39	260.07	260.37	263.63	258.99	258.82	258.74	258.75	259.00	
5	258.93	258.93	258.93	259.37	260.06	260.41	262.31	259.04	258.83	258.74	258.75	259.00	
6	258.92	258.93	258.89	259.36	260.03	260.42	261.71	259.01	258.83	258.75	258.75	259.00	
7	258.92	258.93	258.89	259.38	260.03	260.38	261.80	259.01	258.82	258.75	258.74	258.99	
8	258.91	258.93	259.01	259.37	260.22	260.35	261.33	259.03	258.81	258.74	258.74	258.99	
9	258.91	258.96	258.99	259.36	260.32	260.44	260.96	258.91	258.82	258.74	258.74	258.99	
10	258.91	258.97	259.00	259.37	262.03	260.72	261.13	258.99	258.82	258.74	258.73	258.99	
11	258.92	258.97	258.98	259.37	262.74	260.32	260.88	258.97	258.82	258.74	258.74	258.99	
12	258.92	258.98	258.97	259.38	261.15	260.35	260.70	259.06	258.83	258.75	258.75	258.99	
13	258.92	258.96	258.98	259.65	260.87	260.36	260.62	258.98	258.82	258.69	258.73	258.99	
14	258.92	258.94	258.97	260.52	260.49	260.36	260.57	258.85	258.82	258.76	258.75	258.98	
15	258.92	258.95	258.97	260.49	260.49	260.57	260.32	258.98	258.78	258.74	258.76	258.98	
16	258.92	258.95	259.03	260.60	260.47	260.55	259.38	259.00	258.73	258.77	258.75	258.98	
17	258.94	258.95	259.04	260.50	260.50	260.51	259.30	258.98	258.70	258.77	258.74	258.98	
18	259.09	258.94	259.03	260.44	260.46	260.51	259.27	258.83	258.81	258.76	258.74	258.96	
19	259.37	258.94	259.03	260.41	260.42	260.48	259.26	258.85	258.82	258.76	258.74	258.98	
20	258.99	259.07	259.04	260.94	260.40	260.47	259.24	258.83	258.83	258.74	258.76	258.98	
21	258.95	259.32	259.08	260.90	261.01	260.46	259.23	258.93	258.93	258.66	259.05	258.95	
22	258.93	259.05	259.09	260.71	261.61	260.53	259.22	258.99	258.94	258.65	259.01	258.88	
23	258.92	259.00	259.10	260.77	260.97	260.59	259.22	258.87	258.78	258.79	259.00	258.88	
24	258.91	259.01	259.31	260.73	260.49	260.50	259.21	258.90	258.77	258.81	259.00	258.87	
25	258.90	259.03	259.23	260.59	260.46	263.06	259.20	258.94	258.77	258.77	259.00	258.89	
26	258.93	259.03	259.32	260.48	260.47	264.13	259.17	258.93	258.76	258.75	259.00	258.97	
27	258.93	259.00	259.21	260.43	261.10	262.98	259.04	258.89	258.75	258.74	259.01	258.96	
28	258.93	258.92	259.20	260.39	260.67	261.35	259.03	258.89	258.75	258.74	259.01	259.00	
29	258.94	258.93	259.21	260.36	260.45	260.95	259.02	258.87	258.76	258.74		259.00	
30	258.96	258.96	259.25	260.34	260.44	263.46	259.01	258.84	258.76	258.72		259.00	
31		258.97		260.31	260.11		259.02		258.75	258.71		259.01	
Mean	258.95	258.98	259.05	260.06	260.61	260.89	260.48	258.95	258.80	258.74	258.82	258.97	
Max	259.37	259.32	259.32	260.94	262.74	264.13	264.49	259.06	258.94	258.81	259.05	259.01	264.49
Min	258.90	258.92	258.89	259.23	260.03	260.32	259.01	258.83	258.70	258.65	258.73	258.87	258.65
Annual Max Momentary Gage Height	265.04		m. (MSL.) ,				at 03.00 Hours , on Oct 1, 2022						
Zero Gage at Bottom Elevation		258.40		m. (MSL.) ,		River Bed	258.14	m. (MSL.)					
Left Bank Elevation		271.87		m. (MSL.) ,									
Right Bank Elevation		271.81		m. (MSL.) ,		Drainage Are	595	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.90	3.30	3.70	7.45	26.00	30.30	198.40	4.15	2.40	1.40	1.30	4.15	
2	3.60	3.50	3.70	8.20	23.40	30.90	156.00	4.30	2.30	1.40	1.60	4.15	
3	3.70	3.30	3.60	9.85	23.20	29.60	161.00	4.30	2.30	1.50	1.50	4.15	
4	3.60	3.20	3.50	9.85	23.40	29.40	151.50	3.90	2.20	1.40	1.50	4.00	
5	3.30	3.30	3.30	9.55	23.20	30.30	93.40	4.60	2.30	1.40	1.50	4.00	
6	3.20	3.30	2.90	9.40	22.60	30.60	69.40	4.15	2.30	1.50	1.50	4.00	
7	3.20	3.30	3.30	9.70	22.60	29.60	73.00	4.15	2.20	1.50	1.40	3.90	
8	3.10	3.30	4.15	9.55	26.40	29.00	57.90	4.45	2.10	1.40	1.40	3.90	
9	3.10	3.60	3.90	9.40	28.40	31.20	46.80	3.10	2.20	1.40	1.40	3.90	
10	3.10	3.70	4.00	9.55	82.20	39.60	51.90	3.90	2.20	1.40	1.30	3.90	
11	3.20	3.70	3.80	9.55	110.60	28.40	44.40	3.70	2.20	1.40	1.40	3.90	
12	3.20	3.80	3.70	9.70	52.50	29.00	39.00	4.90	2.30	1.50	1.50	3.90	
13	3.20	3.60	3.80	15.00	44.10	29.20	36.60	3.80	2.20	0.90	1.30	3.90	
14	3.20	3.40	3.70	33.60	32.70	29.20	35.10	2.50	2.20	1.60	1.50	3.80	
15	3.20	3.50	3.70	32.70	32.70	35.10	28.40	3.80	1.80	1.40	1.60	3.80	
16	3.20	3.50	4.45	36.00	32.10	34.50	9.70	4.00	1.30	1.70	1.50	3.80	
17	3.40	3.50	4.60	33.00	33.00	33.30	8.50	3.80	1.00	1.70	1.40	3.80	
18	5.35	3.40	4.45	31.20	31.80	33.30	8.05	2.30	2.10	1.60	1.40	3.60	
19	9.55	3.40	4.45	30.30	30.60	32.40	7.90	2.50	2.20	1.60	1.40	3.80	
20	3.90	5.05	4.60	46.20	30.00	32.10	7.60	2.30	2.30	1.40	1.60	3.80	
21	3.50	8.80	5.20	45.00	48.30	31.80	7.45	3.30	3.30	0.60	4.75	3.50	
22	3.30	4.75	5.35	39.30	66.30	33.90	7.30	3.90	3.40	0.50	4.15	2.80	
23	3.20	4.00	5.50	41.10	47.10	35.70	7.30	2.70	1.80	1.90	4.00	2.80	
24	3.10	4.15	8.65	39.90	32.70	33.00	7.15	3.00	1.70	2.10	4.00	2.70	
25	3.00	4.45	7.45	35.70	31.80	123.40	7.00	3.40	1.70	1.70	4.00	2.90	
26	3.30	4.45	8.80	32.40	32.10	176.80	6.55	3.30	1.60	1.50	4.00	3.70	
27	3.30	4.00	7.15	30.90	51.00	120.20	4.60	2.90	1.50	1.40	4.15	3.60	
28	3.30	3.20	7.00	29.80	38.10	58.50	4.45	2.90	1.50	1.40	4.15	4.00	
29	3.40	3.30	7.15	29.20	31.50	46.50	4.30	2.70	1.60	1.40		4.00	
30	3.60	3.60	7.75	28.80	31.20	143.00	4.15	2.40	1.60	1.20		4.00	
31		3.70		28.20	24.20		4.30		1.50	1.10		4.15	
Total	108.20	119.05	147.30	750.05	1165.80	1429.80	1349.10	105.10	63.30	43.90	62.20	116.30	5460.10
Mean	3.61	3.84	4.91	24.20	37.61	47.66	43.52	3.50	2.04	1.42	2.22	3.75	14.96
Max	9.55	8.80	8.80	46.20	110.60	176.80	198.40	4.90	3.40	2.10	4.75	4.15	198.40
Min	3.00	3.20	2.90	7.45	22.60	28.40	4.15	2.30	1.00	0.50	1.30	2.70	0.50
Runoff	9.35	10.29	12.73	64.80	100.73	123.53	116.56	9.08	5.47	3.79	5.37	10.05	471.75
Momentary Peak	CMS. at 265.04 m. (MSL.) at 03.00 Hours , on Oct 1, 2022												
Runoff Yield	25.14	Liters/Second/Square KM.					Momentary Peak Yield	394.62	Liters/Second/Square KM.				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.30	0.75	30.26	5.90	32.56	101.00	16.46	0.50	2.20	0.00	0.00	0.00		
2	1.30	0.85	29.57	6.60	28.42	95.40	27.96	0.90	2.20	0.00	0.00	0.00		
3	1.10	0.85	24.74	8.95	12.10	88.60	47.80	1.40	2.10	0.00	0.00	0.00		
4	1.10	0.85	22.67	12.40	6.00	80.60	58.47	2.00	2.00	0.00	0.00	0.00		
5	1.10	0.85	24.51	14.95	4.00	72.60	63.40	2.50	2.00	0.00	0.00	0.00		
6	1.00	0.80	26.35	17.38	3.20	66.20	63.40	2.90	1.80	0.00	0.00	0.00		
7	1.00	0.85	27.96	19.68	3.00	59.27	65.40	3.40	1.80	0.00	0.00	0.00		
8	1.00	2.80	29.34	21.29	3.40	52.33	62.47	3.10	2.10	0.00	0.00	0.00		
9	0.95	3.70	30.26	22.21	4.40	44.07	58.20	2.50	2.30	0.00	0.00	0.00		
10	0.95	4.30	29.80	22.67	7.15	36.01	52.07	2.40	2.10	0.00	0.00	0.00		
11	0.95	5.10	28.88	22.90	10.00	30.49	43.27	2.40	2.00	0.00	0.00	0.00		
12	0.85	5.80	27.50	23.36	12.40	27.73	33.48	2.50	1.90	0.00	0.00	0.00		
13	0.80	7.00	26.12	24.05	15.40	27.04	23.13	2.60	1.80	0.00	0.00	0.00		
14	0.80	10.45	24.74	27.96	18.30	26.81	13.75	2.60	1.60	0.00	0.00	0.00		
15	0.80	19.22	23.82	33.94	21.29	27.27	9.40	2.60	1.30	0.00	0.00	0.00		
16	0.80	31.64	22.90	39.80	19.91	27.96	6.90	2.60	1.10	0.00	0.00	0.00		
17	0.80	43.00	21.98	45.67	16.69	29.34	5.70	2.60	0.95	0.00	0.00	0.00		
18	0.85	57.40	21.98	49.13	14.05	31.18	4.40	2.60	0.80	0.00	0.00	0.00		
19	0.85	66.60	21.29	48.87	11.65	32.56	4.90	2.60	0.60	0.00	0.00	0.00		
20	0.85	68.20	20.14	47.27	23.13	32.79	5.30	2.60	0.45	0.00	0.00	0.00		
21	0.80	65.80	19.22	44.07	60.33	33.02	5.40	2.60	0.35	0.00	0.00	0.00		
22	0.80	61.93	18.30	40.87	89.80	33.02	5.60	2.50	0.20	0.00	0.00	0.00		
23	0.80	56.60	17.15	38.77	99.80	31.87	7.15	2.40	0.10	0.00	0.00	0.00		
24	0.75	51.00	15.55	38.77	105.50	29.11	9.55	2.30	0.00	0.00	0.00	0.00		
25	0.75	48.33	14.20	41.67	108.50	25.20	9.10	2.20	0.00	0.00	0.00	0.00		
26	0.70	46.20	13.30	44.33	111.50	20.60	5.30	2.20	0.00	0.00	0.00	0.00		
27	0.70	44.33	11.50	45.13	114.50	16.46	2.30	2.20	0.00	0.00	0.00	0.00		
28	0.65	41.67	8.80	44.33	114.50	14.20	0.45	2.10	0.00	0.00	0.00	0.00		
29	0.70	39.27	7.15	41.40	113.00	12.70	0.00	2.10	0.00	0.00	0.00	0.00		
30	0.75	36.24	6.30	37.39	109.50	13.15	0.00	2.10	0.00	0.00	0.00	0.00		
31		32.79		34.86	105.00		0.							



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.64	0.64	3.02	2.32	7.10	8.30	29.96	1.12	1.52	0.16	0.36	1.52		
2	0.64	0.64	1.84	4.56	9.80	3.90	27.35	1.68	1.52	0.24	0.96	1.36		
3	0.64	0.64	2.32	5.30	9.20	2.00	31.27	0.80	1.36	0.24	0.96	2.00		
4	0.48	1.20	1.84	5.30	5.90	2.00	25.89	1.36	1.36	0.20	0.96	2.00		
5	0.20	2.00	2.16	2.80	6.20	5.30	21.83	1.20	1.36	0.20	0.80	1.12		
6	0.20	2.16	1.84	2.00	7.40	13.46	20.39	0.64	1.36	0.24	0.16	1.12		
7	0.20	4.78	1.52	2.00	12.16	11.14	18.37	1.04	1.20	0.24	0.08	1.12		
8	0.20	6.20	2.80	1.84	13.46	6.20	19.38	1.36	1.20	0.20	0.12	0.40		
9	0.20	6.20	4.12	1.12	12.16	18.80	13.17	1.36	0.72	0.20	0.12	0.40		
10	1.20	10.10	4.12	1.20	21.69	27.64	14.18	1.36	0.72	0.20	0.16	0.96		
11	0.80	7.70	3.24	1.20	19.67	21.55	13.75	1.36	0.80	0.16	0.16	0.96		
12	1.04	5.30	1.36	2.16	16.92	20.82	11.00	1.12	0.96	0.20	0.16	0.96		
13	0.96	4.56	2.16	17.50	14.32	17.65	8.60	0.96	0.64	0.16	0.12	0.96		
14	1.84	5.90	5.00	18.95	9.80	8.90	8.00	1.68	0.56	0.56	0.16	0.88		
15	0.28	5.00	4.78	14.76	8.00	6.20	7.70	1.52	0.88	0.88	0.80	0.96		
16	0.40	2.80	4.34	6.20	7.40	11.00	6.50	1.52	0.88	0.28	0.24	0.96		
17	0.20	11.87	3.02	8.90	10.40	13.60	5.00	1.52	0.36	0.08	0.72	0.96		
18	3.02	4.12	2.32	6.80	12.45	15.05	5.60	1.36	0.24	0.32	1.04	0.96		
19	10.10	5.30	1.84	2.64	7.70	9.20	3.02	0.80	0.24	0.56	0.72	0.96		
20	2.32	4.12	1.12	10.40	5.30	3.46	3.24	0.80	0.20	0.56	0.72	0.64		
21	1.12	8.00	1.12	15.48	14.90	3.24	4.56	0.88	0.16	0.80	0.96	0.48		
22	0.96	4.56	1.20	21.83	15.19	4.12	3.68	1.04	0.20	0.40	0.80	0.96		
23	0.88	6.20	1.12	23.86	10.10	10.40	3.68	0.96	0.16	0.08	0.80	0.80		
24	0.80	3.90	1.52	14.47	4.78	11.14	4.12	1.52	0.16	0.00	0.80	0.80		
25	0.64	4.78	1.36	4.56	10.70	35.93	2.64	1.52	0.20	0.00	0.64	1.04		
26	0.64	2.80	1.04	7.10	7.10	33.75	1.84	1.36	0.20	0.08	0.80	0.88		
27	0.64	2.00	1.12	8.00	10.40	23.13	2.16	1.84	0.20	0.16	0.88	0.88		
28	0.64	2.48	1.04	1.68	6.50	20.10	1.68	2.00	0.88	0.12	1.52	1.20		
29	0.72	2.16	1.04	1.68	4.12	14.18	1.68	1.20	0.80	0.12		1.12		
30	0.72	3.02	0.96	4.78	4.78	31.27	2.32	1.68	0.24	0.08		1.84		
31		5.30		5.90	4.78		2.16		0.16	0.16		1.20		
Total	33.32	136.43	66.28	227.29	310.38	413.43	324.72	38.56	21.44	7.88	16.72	32.40	1628.85	CMSDAY
Mean	1.11	4.40	2.21	7.33	10.01	13.78	10.47	1.29	0.69	0.25	0.60	1.05	4.46	CMS
Max	10.10	11.87	5.00	23.86	21.69	35.93	31.27	2.00	1.52	0.88	1.52	2.00	35.93	CMS
Min	0.20	0.64	0.96	1.12	4.12	2.00	1.68	0.64	0.16	0.00	0.08	0.40	0.00	CMS
Runoff	2.88	11.79	5.73	19.64	26.82	35.72	28.06	3.33	1.85	0.68	1.44	2.80	140.73	MCM
Momentary Peak	55.04	CMS. at 264.94 m. (MSL.) at 11.00 Hours , on Sep 25, 2022												
Runoff Yield	28.42	Liters/Second/Square KM.				Momentary Peak Yield		350.57	Liters/Second/Square KM.					

WATER YEAR : 2022**KHONG RIVER BASIN****Huai Nam Huai at Ban Nam Huai , Loei (Kh.78)**

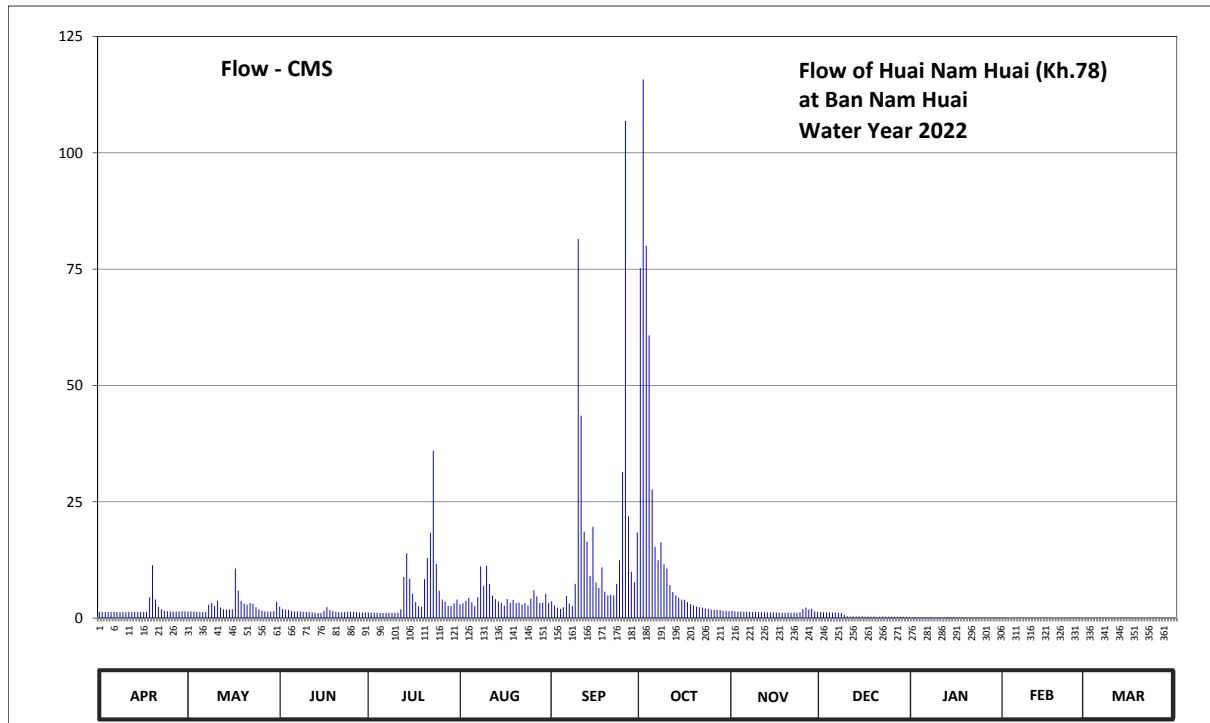
Lat 17 - 23 - 08 N Long 101 - 42 - 28 E

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

	Ban	Nam Huai	Amphoe	Mueang	Changwat	Loei
Drainge Area	217	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+246.200 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On left bank downstream side at the footpath of the bridge.				Elevation	+256.495 m. (MSL.)
Gage Reading Frequency	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	1993 to date					
Rated by Float	-					
Rated by Current Meter	1993 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +254.260 m.(MSL.), records are channel flow only.					
General Description	Records good. The concrete weir situated about 700 meters downstream from the gage site. Stage-discharge relation defined by 31 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	247.95	247.98	248.15	247.88	248.23	248.33	252.44	248.01	247.92	247.43	247.38	247.78	
2	247.94	247.98	248.07	247.88	248.26	248.18	253.72	247.98	247.90	247.43	247.46	247.76	
3	247.93	247.96	248.05	247.88	248.34	248.11	252.60	247.96	247.89	247.43	247.52	247.74	
4	247.93	247.94	248.04	247.86	248.44	248.07	251.95	247.97	247.88	247.42	247.60	247.76	
5	247.93	247.93	247.99	247.85	248.29	248.13	250.45	247.94	247.87	247.42	247.69	247.76	
6	247.92	247.93	247.97	247.84	248.16	248.50	249.61	247.95	247.86	247.43	247.78	247.74	
7	247.92	247.93	247.97	247.85	248.46	248.25	249.37	247.94	247.85	247.44	247.82	247.74	
8	247.92	248.21	247.96	247.87	249.26	248.17	249.69	247.93	247.84	247.45	247.83	247.76	
9	247.91	248.27	247.93	247.87	248.84	248.90	249.30	247.92	247.68	247.43	247.90	247.78	
10	247.91	248.17	247.93	247.87	249.27	252.65	249.22	247.91	247.56	247.44	247.83	247.78	
11	247.93	248.35	247.92	247.87	248.90	251.26	248.86	247.91	247.52	247.44	247.81	247.77	
12	247.93	248.12	247.89	248.06	248.51	249.88	248.63	247.90	247.54	247.44	247.81	247.78	
13	247.93	248.06	247.87	249.07	248.39	249.70	248.52	247.90	247.53	247.45	247.82	247.79	
14	247.93	248.05	247.84	249.49	248.32	249.09	248.44	247.90	247.53	247.45	247.80	247.79	
15	247.93	248.06	247.85	249.04	248.28	249.97	248.38	247.90	247.53	247.43	247.80	247.78	
16	247.94	248.06	248.01	248.57	248.18	248.95	248.37	247.89	247.50	247.38	247.80	247.76	
17	247.93	249.22	248.13	248.30	248.40	248.77	248.30	247.88	247.52	247.39	247.79	247.77	
18	248.45	248.68	248.04	248.16	248.27	249.24	248.23	247.87	247.51	247.39	247.78	247.77	
19	249.28	248.34	248.00	248.14	248.37	248.64	248.19	247.87	247.52	247.39	247.78	247.78	
20	248.38	248.25	247.95	249.03	248.26	248.52	248.15	247.87	247.49	247.38	247.78	247.78	
21	248.14	248.21	247.91	249.41	248.28	248.54	248.13	247.86	247.50	247.38	247.78	247.78	
22	248.06	248.27	247.89	249.86	248.22	248.52	248.11	247.86	247.51	247.38	247.78	247.76	
23	248.02	248.24	247.92	250.94	248.26	248.90	248.09	247.85	247.50	247.38	247.77	247.74	
24	247.99	248.13	247.95	249.30	248.18	249.37	248.07	247.91	247.51	247.37	247.77	247.74	
25	247.98	248.06	247.93	248.67	248.42	250.67	248.05	248.07	247.50	247.38	247.78	247.75	
26	247.96	248.02	247.93	248.38	248.69	253.45	248.04	248.12	247.50	247.35	247.78	247.75	
27	247.95	247.98	247.91	248.32	248.49	250.11	248.03	248.05	247.49	247.34	247.78	247.75	
28	247.96	247.96	247.89	248.17	248.27	249.16	248.03	248.08	247.49	247.34	247.78	247.73	
29	247.99	247.96	247.88	248.17	248.28	248.96	248.01	247.98	247.48	247.34		247.74	
30	247.97	247.99	247.88	248.26	248.57	249.87	248.00	247.94	247.47	247.34		247.77	
31		248.31		248.38	248.27		247.99		247.43	247.35		247.77	
Mean	248.03	248.15	247.96	248.46	248.43	249.30	249.06	247.94	247.61	247.40	247.75	247.76	
Max	249.28	249.22	248.15	250.94	249.27	253.45	253.72	248.12	247.92	247.45	247.90	247.79	253.72
Min	247.91	247.93	247.84	247.84	248.16	248.07	247.99	247.85	247.43	247.34	247.38	247.73	247.34
Annual Max Momentary Gage Height	254.42		m. (MSL.) ,			at 04.00 Hours ,	on Oct 2, 2022						
Zero Gage at Bottom Elevation	246.20		m. (MSL.) ,			River Bed	247.25	m. (MSL.)					
Left Bank Elevation		255.82		m. (MSL.) ,									
Right Bank Elevation		254.25		m. (MSL.) ,		Drainage Are	217	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.38	1.45	2.48	1.20	3.00	3.65	75.20	1.57	1.30	0.16	0.08	0.00	
2	1.35	1.45	1.96	1.20	3.19	2.67	115.76	1.45	1.25	0.16	0.00	0.00	
3	1.33	1.40	1.83	1.20	3.71	2.22	80.00	1.40	1.23	0.16	0.00	0.00	
4	1.33	1.35	1.76	1.15	4.36	1.96	60.75	1.43	1.20	0.14	0.00	0.00	
5	1.33	1.33	1.48	1.13	3.39	2.35	27.65	1.35	1.18	0.14	0.00	0.00	
6	1.30	1.33	1.43	1.10	2.54	4.75	15.32	1.38	1.15	0.16	0.00	0.00	
7	1.30	1.33	1.43	1.13	4.49	3.13	12.44	1.35	1.13	0.18	0.00	0.00	
8	1.30	2.87	1.40	1.18	11.12	2.61	16.28	1.33	1.10	0.20	0.00	0.00	
9	1.28	3.26	1.33	1.18	6.96	7.35	11.60	1.30	0.70	0.16	0.00	0.00	
10	1.28	2.61	1.33	1.18	11.24	81.50	10.64	1.28	0.42	0.18	0.00	0.00	
11	1.33	3.78	1.30	1.18	7.35	43.50	7.09	1.28	0.34	0.18	0.00	0.00	
12	1.33	2.28	1.23	1.89	4.82	18.56	5.60	1.25	0.38	0.18	0.00	0.00	
13	1.33	1.89	1.18	8.84	4.04	16.40	4.88	1.25	0.36	0.20	0.00	0.00	
14	1.33	1.83	1.10	13.88	3.58	9.08	4.36	1.25	0.36	0.20	0.00	0.00	
15	1.33	1.89	1.13	8.48	3.32	19.64	3.97	1.25	0.36	0.16	0.00	0.00	
16	1.35	1.89	1.57	5.21	2.67	7.68	3.91	1.23	0.30	0.08	0.00	0.00	
17	1.33	10.64	2.35	3.45	4.10	6.51	3.45	1.20	0.34	0.09	0.00	0.00	
18	4.43	5.92	1.76	2.54	3.26	10.88	3.00	1.18	0.32	0.09	0.00	0.00	
19	11.36	3.71	1.50	2.41	3.91	5.66	2.74	1.18	0.34	0.09	0.00	0.00	
20	3.97	3.13	1.38	8.36	3.19	4.88	2.48	1.18	0.28	0.08	0.00	0.00	
21	2.41	2.87	1.28	12.92	3.32	5.01	2.35	1.15	0.30	0.08	0.00	0.00	
22	1.89	3.26	1.23	18.32	2.93	4.88	2.22	1.15	0.32	0.08	0.00	0.00	
23	1.63	3.06	1.30	35.98	3.19	7.35	2.09	1.13	0.30	0.08	0.00	0.00	
24	1.48	2.35	1.38	11.60	2.67	12.44	1.96	1.28	0.32	0.07	0.00	0.00	
25	1.45	1.89	1.33	5.86	4.23	31.39	1.83	1.96	0.30	0.08	0.00	0.00	
26	1.40	1.63	1.33	3.97	5.99	106.85	1.76	2.28	0.30	0.05	0.00	0.00	
27	1.38	1.45	1.28	3.58	4.69	21.87	1.70	1.83	0.28	0.04	0.00	0.00	
28	1.40	1.40	1.23	2.61	3.26	9.92	1.70	2.02	0.28	0.04	0.00	0.00	
29	1.48	1.40	1.20	2.61	3.32	7.74	1.57	1.45	0.26	0.04		0.00	
30	1.43	1.48	1.20	3.19	5.21	18.44	1.50	1.35	0.24	0.04		0.00	
31		3.52		3.97	3.26		1.48		0.16	0.05		0.00	
Total	58.22	79.65	43.69	172.50	136.31	480.87	487.28	41.69	17.10	3.64	0.08	0.00	1521.03 CMSDAY
Mean	1.94	2.57	1.46	5.56	4.40	16.03	15.72	1.39	0.55	0.12	0.00	0.00	4.17 CMS
Max	11.36	10.64	2.48	35.98	11.24	106.85	115.76	2.28	1.30	0.20	0.08	0.00	115.76 CMS
Min	1.28	1.33	1.10	1.10	2.54	1.96	1.48	1.13	0.16	0.04	0.00	0.00	0.00 CMS
Runoff	5.03	6.88	3.77	14.90	11.78	41.55	42.10	3.60	1.48	0.31	0.01	0.00	131.42 MCM
Momentary Peak	140.54	CMS.	at 254.42 m. (MSL.)	at 04.00 Hours	on Oct 2, 2022								
Runoff Yield	19.20	Liters/Second/Square KM.			Momentary Peak Yield	647.65	Liters/Second/Square KM.						

WATER YEAR : 2022**KHONG RIVER BASIN****Lam Nam Phung at Ban Tong Khop , Sakon Nakhon (Kh.90)**

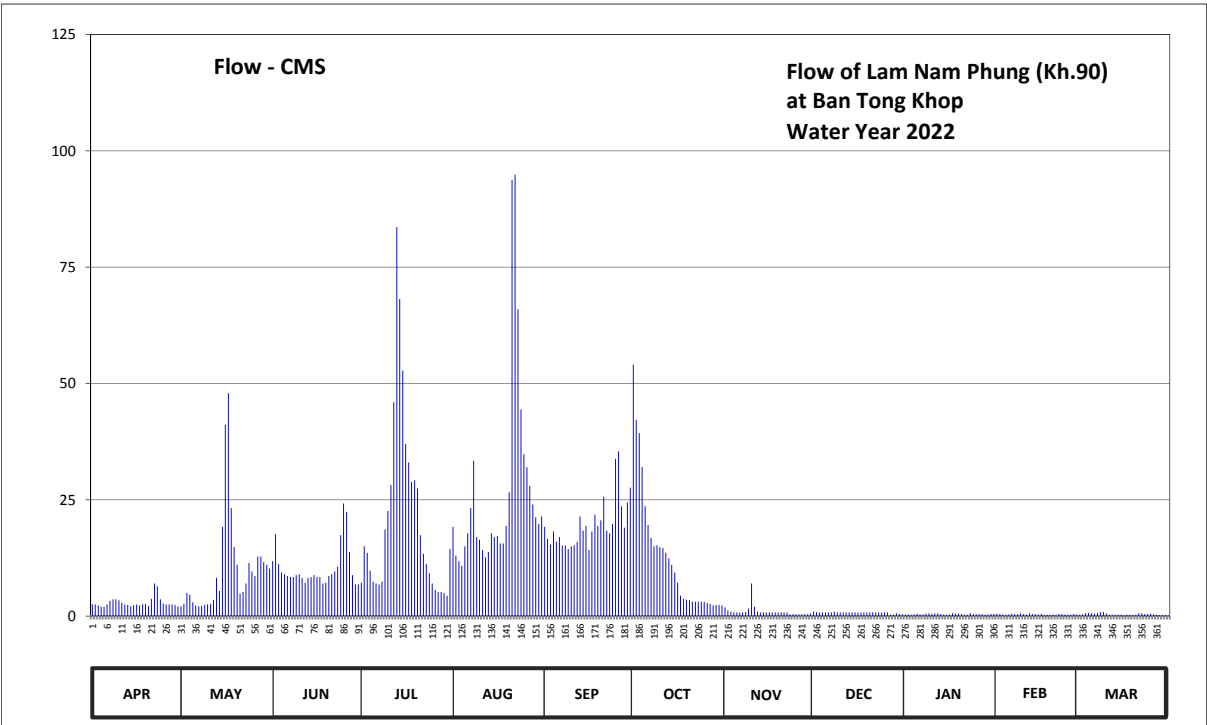
Lat 17 - 03 - 10 N Long 104 - 15 - 19 E

Location : on right bank at the bridge on highway.

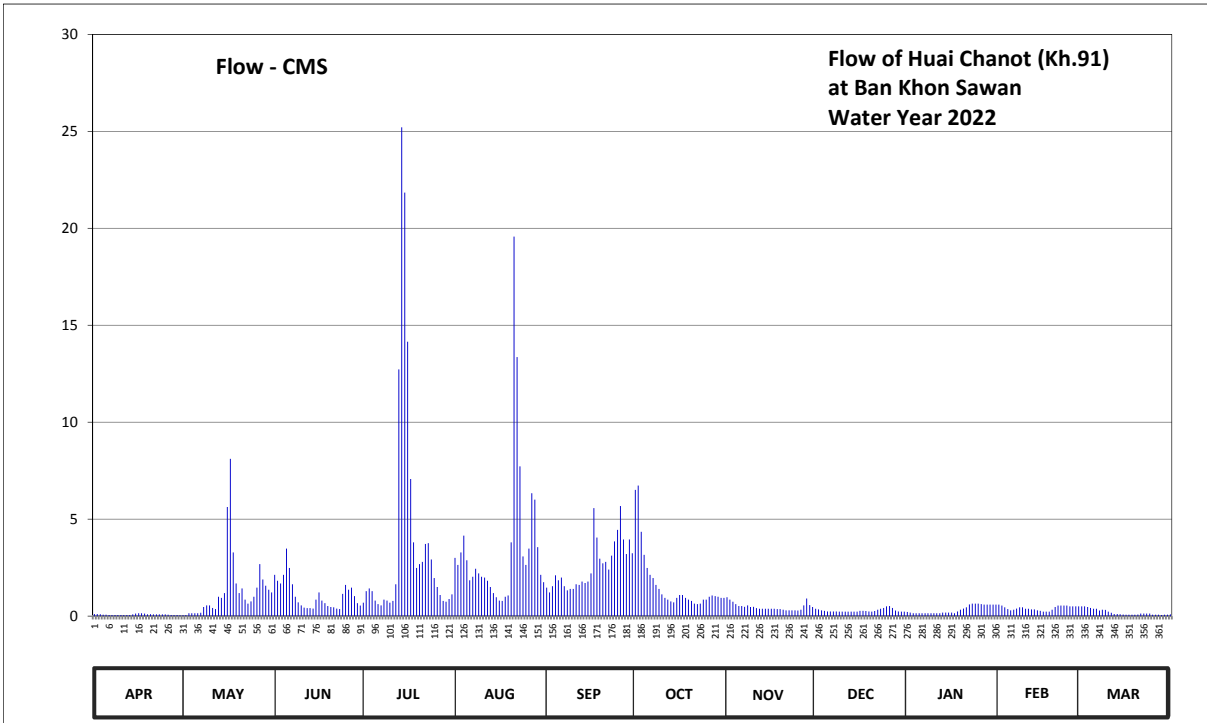
	Ban	Tong Khop	Amphoe	Khok Si Suphan	Changwat	Sakon Nakhon
Drainge Area	842	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+156.500 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On right bank at the footpath of the bridge.				Elevation	+167.908 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1996 to date					
Rating Operation						
Period of Rating	1996 to date					
Rated by Float	-					
Rated by Current Meter	1996 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +163.980 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 39 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	159.15	159.11	159.69	159.46	160.06	160.06	161.73	159.09	159.00	158.67	158.75	158.65	
2	159.15	159.16	159.98	159.85	159.75	159.93	161.19	159.02	158.93	158.68	158.73	158.68	
3	159.13	159.35	159.66	159.78	159.69	159.87	161.06	158.97	158.90	158.66	158.67	158.83	
4	159.10	159.33	159.57	159.59	159.64	160.01	160.70	158.90	158.90	158.69	158.65	158.82	
5	159.10	159.20	159.55	159.47	159.85	159.90	160.28	158.90	158.90	158.75	158.67	158.79	
6	159.15	159.13	159.53	159.45	159.99	159.95	160.08	158.90	158.90	158.69	158.76	158.76	
7	159.23	159.11	159.52	159.44	160.26	159.86	159.94	158.90	158.90	158.68	158.71	158.82	
8	159.26	159.12	159.52	159.47	160.77	159.86	159.85	158.95	158.98	158.77	158.70	158.92	
9	159.26	159.14	159.54	160.03	159.95	159.82	159.86	159.06	158.90	158.81	158.79	158.94	
10	159.24	159.15	159.55	160.23	159.92	159.85	159.84	159.45	158.90	158.74	158.72	158.79	
11	159.19	159.16	159.51	160.51	159.81	159.86	159.83	159.10	158.90	158.79	158.67	158.66	
12	159.15	159.25	159.46	161.36	159.73	159.90	159.78	158.98	158.90	158.81	158.81	158.65	
13	159.14	159.51	159.51	163.07	159.79	160.17	159.72	158.90	158.90	158.73	158.72	158.65	
14	159.11	159.37	159.52	162.37	159.99	160.02	159.65	158.90	158.90	158.67	158.71	158.65	
15	159.13	160.06	159.54	161.67	159.95	160.07	159.57	158.90	158.90	158.65	158.67	158.64	
16	159.15	161.14	159.52	160.95	159.96	159.81	159.46	158.90	158.90	158.67	158.75	158.58	
17	159.13	161.45	159.52	160.75	159.88	160.01	159.32	158.90	158.90	158.81	158.66	158.65	
18	159.15	160.26	159.45	160.54	159.88	160.19	159.27	158.90	158.90	158.77	158.65	158.65	
19	159.16	159.84	159.46	160.56	160.07	160.07	159.25	158.90	158.90	158.75	158.65	158.65	
20	159.12	159.65	159.53	160.47	160.43	160.13	159.24	158.90	158.90	158.72	158.65	158.66	
21	159.27	159.34	159.55	159.97	163.51	160.38	159.21	158.90	158.90	158.66	158.66	158.81	
22	159.45	159.36	159.58	159.77	163.56	160.02	159.21	158.89	158.90	158.66	158.74	158.79	
23	159.42	159.45	159.63	159.66	162.27	159.99	159.21	158.71	158.90	158.82	158.73	158.73	
24	159.26	159.67	159.97	159.56	161.29	160.09	159.21	158.70	158.90	158.74	158.67	158.73	
25	159.17	159.58	160.31	159.45	160.84	160.79	159.21	158.70	158.90	158.73	158.65	158.76	
26	159.15	159.53	160.22	159.38	160.70	160.87	159.18	158.69	158.89	158.71	158.66	158.70	
27	159.15	159.74	159.79	159.36	160.50	160.28	159.16	158.69	158.65	158.70	158.74	158.65	
28	159.15	159.74	159.54	159.36	160.30	160.05	159.13	158.70	158.67	158.67	158.67	158.62	
29	159.14	159.68	159.44	159.35	160.16	160.32	159.14	158.70	158.82	158.67		158.60	
30	159.11	159.65	159.44	159.32	160.09	160.48	159.14	158.79	158.74	158.72		158.60	
31		159.61		159.82	160.17		159.13		158.70	158.75		158.59	
Mean	159.18	159.58	159.62	160.13	160.41	160.09	159.70	158.90	158.88	158.72	158.70	158.71	
Max	159.45	161.45	160.31	163.07	163.56	160.87	161.73	159.45	159.00	158.82	158.81	158.94	163.56
Min	159.10	159.11	159.44	159.32	159.64	159.81	159.13	158.69	158.65	158.65	158.65	158.58	158.58
Annual Max Momentary Gage Height	164.57		m. (MSL.) ,				at 22.00 Hours , on Aug 21, 2022						
Zero Gage at Bottom Elevation		156.50	m. (MSL.) ,			River Bed	158.34	m. (MSL.)					
Left Bank Elevation		163.97	m. (MSL.) ,										
Right Bank Elevation		164.45	m. (MSL.) ,			Drainage Are	842	Square Kilometers					

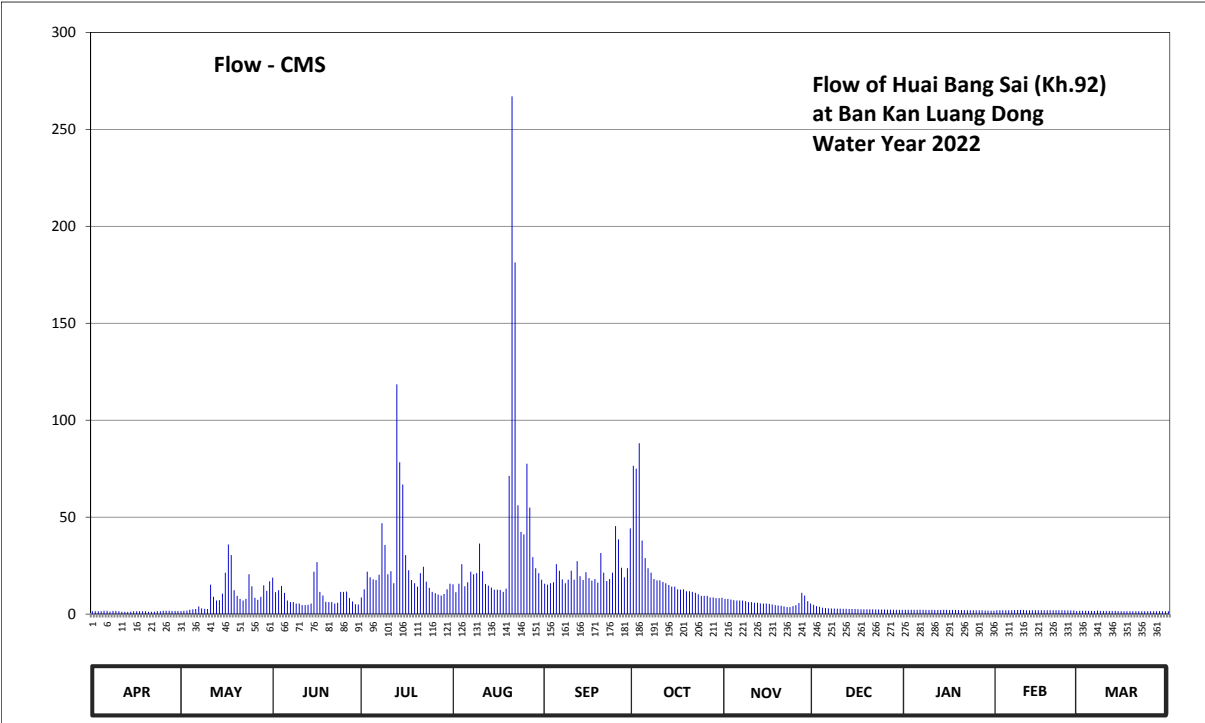


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.50	2.10	11.80	7.20	19.20	19.20	54.06	1.90	1.00	0.34	0.50	0.30	
2	2.50	2.60	17.60	15.00	13.00	16.60	42.18	1.20	0.86	0.36	0.46	0.36	
3	2.30	5.00	11.20	13.60	11.80	15.40	39.32	0.94	0.80	0.32	0.34	0.66	
4	2.00	4.60	9.40	9.80	10.80	18.20	32.00	0.80	0.80	0.38	0.30	0.64	
5	2.00	3.00	9.00	7.40	15.00	16.00	23.60	0.80	0.80	0.50	0.34	0.58	
6	2.50	2.30	8.60	7.00	17.80	17.00	19.60	0.80	0.80	0.38	0.52	0.52	
7	3.30	2.10	8.40	6.80	23.20	15.20	16.80	0.80	0.80	0.36	0.42	0.64	
8	3.60	2.20	8.40	7.40	33.40	15.20	15.00	0.90	0.96	0.54	0.40	0.84	
9	3.60	2.40	8.80	18.60	17.00	14.40	15.20	1.60	0.80	0.62	0.58	0.88	
10	3.40	2.50	9.00	22.60	16.40	15.00	14.80	7.00	0.80	0.48	0.44	0.58	
11	2.90	2.60	8.20	28.20	14.20	15.20	14.60	2.00	0.80	0.58	0.34	0.32	
12	2.50	3.50	7.20	45.92	12.60	16.00	13.60	0.96	0.80	0.62	0.62	0.30	
13	2.40	8.20	8.20	83.61	13.80	21.40	12.40	0.80	0.80	0.46	0.44	0.30	
14	2.10	5.40	8.40	68.14	17.80	18.40	11.00	0.80	0.80	0.34	0.42	0.30	
15	2.30	19.20	8.80	52.74	17.00	19.40	9.40	0.80	0.80	0.30	0.34	0.28	
16	2.50	41.08	8.40	37.00	17.20	14.20	7.20	0.80	0.80	0.34	0.50	0.16	
17	2.30	47.90	8.40	33.00	15.60	18.20	4.40	0.80	0.80	0.62	0.32	0.30	
18	2.50	23.20	7.00	28.80	15.60	21.80	3.70	0.80	0.80	0.54	0.30	0.30	
19	2.60	14.80	7.20	29.20	19.40	19.40	3.50	0.80	0.80	0.50	0.30	0.30	
20	2.20	11.00	8.60	27.40	26.60	20.60	3.40	0.80	0.80	0.44	0.30	0.32	
21	3.70	4.80	9.00	17.40	93.73	25.60	3.10	0.80	0.80	0.32	0.32	0.62	
22	7.00	5.20	9.60	13.40	94.88	18.40	3.10	0.78	0.80	0.32	0.48	0.58	
23	6.40	7.00	10.60	11.20	65.94	17.80	3.10	0.42	0.80	0.64	0.46	0.46	
24	3.60	11.40	17.40	9.20	44.38	19.80	3.10	0.40	0.80	0.48	0.34	0.46	
25	2.70	9.60	24.20	7.00	34.80	33.80	3.10	0.40	0.80	0.46	0.30	0.52	
26	2.50	8.60	22.40	5.60	32.00	35.40	2.80	0.38	0.78	0.42	0.32	0.40	
27	2.50	12.80	13.80	5.20	28.00	23.60	2.60	0.38	0.30	0.40	0.48	0.30	
28	2.50	12.80	8.80	5.20	24.00	19.00	2.30	0.40	0.34	0.34	0.34	0.24	
29	2.40	11.60	6.80	5.00	21.20	24.40	2.40	0.40	0.64	0.34		0.20	
30	2.10	11.00	6.80	4.40	19.80	27.60	2.40	0.58	0.48	0.44		0.20	
31		10.20		14.40	21.40		2.30		0.40	0.50		0.18	
Total	87.40	310.68	312.00	647.41	827.53	592.20	386.06	31.04	23.36	13.68	11.22	13.04	3255.62 CMSDAY
Mean	2.91	10.02	10.40	20.88	26.69	19.74	12.45	1.03	0.75	0.44	0.40	0.42	8.92 CMS
Max	7.00	47.90	24.20	83.61	94.88	35.40	54.06	7.00	1.00	0.64	0.62	0.88	94.88 CMS
Min	2.00	2.10	6.80	4.40	10.80	14.20	2.30	0.38	0.30	0.30	0.30	0.16	0.16 CMS
Runoff	7.55	26.84	26.96	55.94	71.50	51.17	33.36	2.68	2.02	1.18	0.97	1.13	281.29 MCM
Momentary Peak	118.68 CMS. at 164.57 m. (MSL.) at 22.00 Hours , on Aug 21, 2022												
Runoff Yield	10.59	Liters/Second/Square KM.			Momentary Peak Yield			140.95 Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.11	0.05	2.13	0.69	3.00	1.47	6.51	0.97	0.38	0.21	0.59	0.50		
2	0.11	0.06	1.82	1.29	2.64	1.22	6.73	0.85	0.35	0.18	0.54	0.50		
3	0.10	0.15	1.68	1.43	3.28	1.54	4.35	0.74	0.30	0.15	0.45	0.47		
4	0.07	0.15	2.13	1.29	4.15	2.10	3.16	0.62	0.27	0.15	0.36	0.42		
5	0.07	0.15	3.48	0.80	2.88	1.85	2.48	0.52	0.24	0.15	0.30	0.38		
6	0.06	0.15	2.48	0.62	1.85	1.99	2.13	0.52	0.24	0.15	0.33	0.38		
7	0.06	0.17	1.64	0.55	2.03	1.54	1.96	0.48	0.24	0.15	0.39	0.29		
8	0.06	0.47	1.00	0.85	2.44	1.33	1.61	0.55	0.24	0.15	0.45	0.33		
9	0.06	0.55	0.71	0.80	2.20	1.40	1.40	0.47	0.23	0.15	0.45	0.32		
10	0.06	0.55	0.55	0.69	2.03	1.40	1.12	0.48	0.23	0.15	0.38	0.23		
11	0.06	0.42	0.44	0.78	1.99	1.64	0.94	0.41	0.23	0.15	0.38	0.17		
12	0.06	0.36	0.41	1.64	1.82	1.61	0.85	0.38	0.23	0.15	0.35	0.11		
13	0.06	1.00	0.41	12.72	1.50	1.78	0.76	0.38	0.23	0.18	0.35	0.11		
14	0.09	0.94	0.39	25.21	1.19	1.71	0.71	0.38	0.23	0.18	0.30	0.10		
15	0.13	1.19	0.85	21.84	0.97	1.78	0.94	0.38	0.23	0.18	0.27	0.08		
16	0.15	5.63	1.22	14.15	0.80	2.20	1.09	0.38	0.27	0.18	0.23	0.07		
17	0.15	8.11	0.80	7.07	0.78	5.57	1.09	0.38	0.27	0.15	0.23	0.07		
18	0.13	3.28	0.67	3.80	1.00	4.05	0.94	0.36	0.26	0.24	0.23	0.07		
19	0.09	1.68	0.52	2.48	1.06	2.96	0.85	0.36	0.24	0.33	0.33	0.07		
20	0.10	1.19	0.47	2.68	3.80	2.72	0.78	0.33	0.23	0.39	0.47	0.08		
21	0.09	1.43	0.45	2.80	19.57	2.80	0.64	0.30	0.26	0.45	0.54	0.13		
22	0.09	0.85	0.39	3.72	13.36	2.40	0.62	0.30	0.33	0.60	0.54	0.13		
23	0.09	0.64	0.36	3.76	7.72	3.12	0.64	0.30	0.38	0.64	0.54	0.13		
24	0.09	0.76	1.15	2.92	3.08	3.85	0.85	0.30	0.42	0.64	0.54	0.13		
25	0.09	1.00	1.61	1.96	2.64	4.45	0.85	0.29	0.50	0.64	0.50	0.07		
26	0.07	1.47	1.36	1.50	3.48	5.68	1.00	0.33	0.52	0.62	0.50	0.07		
27	0.06	2.68	1.47	1.09	6.34	3.95	1.06	0.55	0.42	0.59	0.50	0.07		
28	0.06	1.89	1.03	0.78	6.01	3.20	1.03	0.91	0.29	0.59	0.50	0.06		
29	0.06	1.57	0.67	0.74	3.56	3.95	1.00	0.57	0.24	0.59		0.07		
30	0.05	1.36	0.54	0.88	2.13	3.24	0.94	0.47	0.23	0.59		0.07		
31		1.22		1.12	1.75		0.94		0.23	0.59		0.09		
Total	2.53	41.12	32.83	122.65	111.05	78.50	49.97	14.26	8.96	10.26	11.54	5.77	489.44	CMSDAY
Mean	0.08	1.33	1.09	3.96	3.58	2.62	1.61	0.48	0.29	0.33	0.41	0.19	1.34	CMS
Max	0.15	8.11	3.48	25.21	19.57	5.68	6.73	0.97	0.52	0.64	0.59	0.50	25.21	CMS
Min	0.05	0.05	0.36	0.55	0.78	1.22	0.62	0.29	0.23	0.15	0.23	0.06	0.05	CMS
Runoff	0.22	3.55	2.84	10.60	9.59	6.78	4.32	1.23	0.77	0.89	1.00	0.50	42.29	MCM
Momentary Peak	CMS. at 154.12 m. (MSL.) at 18.00 Hours , on Jul 14, 2022													
Runoff Yield	7.93	Liters/Second/Square KM.				Momentary Peak Yield		162.25	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.50	1.55	18.84	8.60	15.32	15.64	76.45	7.80	4.76	2.25	2.00	1.70	
2	1.50	1.75	11.32	12.76	11.32	15.16	74.97	7.80	4.12	2.20	2.00	1.75	
3	1.50	1.80	12.28	21.86	15.64	15.96	88.16	7.48	3.80	2.20	2.00	1.75	
4	1.50	2.25	14.52	19.00	25.76	16.44	37.98	7.16	3.32	2.20	2.00	1.65	
5	1.75	2.50	11.00	17.88	14.36	25.76	28.88	7.00	3.16	2.20	2.00	1.65	
6	1.75	2.60	7.00	17.56	16.44	22.38	23.68	7.00	2.95	2.30	2.00	1.65	
7	1.35	3.96	6.20	20.30	21.86	17.88	21.34	7.00	2.90	2.20	2.05	1.80	
8	1.65	3.00	6.20	46.85	20.56	15.96	18.04	6.68	2.90	2.15	2.10	1.65	
9	1.65	2.75	5.40	35.64	21.08	17.72	17.40	6.20	2.80	2.15	2.15	1.65	
10	1.50	2.65	5.40	20.56	36.42	22.38	17.40	6.20	2.80	2.25	2.15	1.65	
11	1.25	15.16	4.60	22.12	22.12	17.72	16.60	5.88	2.75	2.10	2.00	1.65	
12	1.25	8.92	4.60	15.96	15.48	27.32	15.96	5.88	2.70	2.15	2.00	1.65	
13	1.15	7.00	4.76	118.52	14.68	19.52	15.00	5.56	2.65	2.15	2.00	1.65	
14	1.25	7.16	5.40	78.30	13.72	17.56	14.20	5.40	2.60	2.25	2.00	1.60	
15	1.50	10.52	21.86	66.83	12.60	21.60	14.20	5.40	2.60	2.25	2.00	1.50	
16	1.50	21.34	26.80	30.44	12.60	18.52	12.76	5.24	2.55	2.10	2.00	1.50	
17	1.50	35.90	11.48	22.64	12.44	17.24	12.60	4.92	2.50	2.15	2.00	1.50	
18	1.50	30.44	9.56	17.56	11.48	18.04	12.76	4.60	2.45	2.15	2.00	1.50	
19	1.50	12.28	6.36	15.96	13.08	16.28	11.80	4.44	2.45	2.05	2.00	1.50	
20	1.25	9.40	6.20	14.20	71.27	31.48	11.80	4.28	2.45	2.05	2.00	1.50	
21	1.25	7.80	6.20	21.08	267.06	21.34	11.48	3.96	2.45	2.05	2.00	1.50	
22	1.25	7.00	5.40	24.46	181.36	17.08	11.00	3.64	2.40	2.00	2.00	1.50	
23	1.50	7.80	5.88	16.76	56.10	18.04	10.20	3.64	2.40	2.00	2.00	1.50	
24	1.50	20.56	11.48	13.56	42.40	21.34	9.40	4.12	2.35	1.95	1.95	1.50	
25	1.75	14.36	11.48	11.48	41.10	45.37	9.40	4.60	2.35	2.00	1.90	1.50	
26	1.75	8.44	11.64	10.84	77.56	38.50	9.40	5.72	2.30	2.00	1.90	1.50	
27	1.70	7.32	8.28	10.04	54.99	23.94	8.60	11.00	2.30	2.00	1.90	1.50	
28	1.65	8.92	6.52	9.56	29.40	19.00	8.60	9.56	2.25	1.80	1.55	1.60	
29	1.65	14.84	5.08	10.36	23.68	23.68	8.28	6.68	2.25	1.80		1.50	
30	1.65	11.96	4.92	12.76	21.08	44.22	8.28	5.40	2.20	1.75		1.50	
31		16.92		15.64	17.72		8.44		2.20	1.75		1.50	
Total	44.95	308.85	276.66	780.08	1210.68	663.07	645.06	180.24	84.66	64.60	55.65	49.05	4363.55
Mean	1.50	9.96	9.22	25.16	39.05	22.10	20.81	6.01	2.73	2.08	1.99	1.58	11.95
Max	1.75	35.90	26.80	118.52	267.06	45.37	88.16	11.00	4.76	2.30	2.15	1.80	267.06
Min	1.15	1.55	4.60	8.60	11.32	15.16	8.28	3.64	2.20	1.75	1.55	1.50	1.15
Runoff	3.88	26.68	23.90	67.40	104.60	57.29	55.73	15.57	7.31	5.58	4.81	4.24	377.01
Momentary Peak	CMS. at 156.10 m. (MSL.) at 17.00 Hours , on Aug 21, 2022												
Runoff Yield	10.66	Liters/Second/Square KM.				Momentary Peak Yield	265.60	Liters/Second/Square KM.					

WATER YEAR : 2022**KHONG RIVER BASIN****Songkhram River at Ban Khok Kham Lai, Udon Thani (Kh.93)**

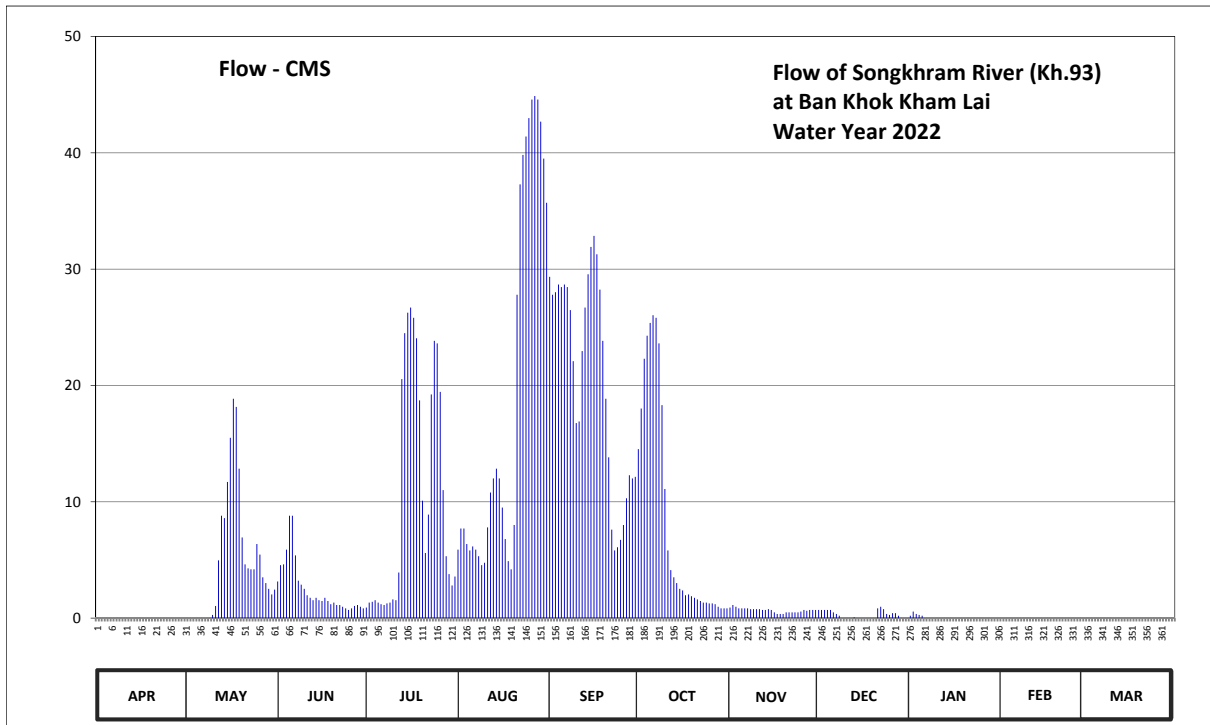
Lat 17 - 33 - 27 N Long 103 - 20 - 07 E

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

	Ban	Khok Kham Lai	Amphoe	Ban Dung	Changwat	Udon Thani
Drainge Area	752	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+153.100 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On left bank downstream side at the footpath of the bridge.				Elevation	+161.354 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1997 to date					
Rating Operation						
Period of Rating	1997 to date					
Rated by Float	-					
Rated by Current Meter	1997 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. The weir situated downstream from the gage site. Stage-discharge relation defined by 24 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	154.86	154.80	155.45	155.13	155.84	157.47	156.68	155.13	155.10	155.03	154.94	154.59	
2	154.86	154.82	155.65	155.19	156.07	157.40	156.93	155.16	155.10	155.08	154.92	154.58	
3	154.86	154.82	155.66	155.20	156.07	157.41	157.15	155.14	155.10	155.05	154.92	154.57	
4	154.85	154.80	155.84	155.22	155.91	157.44	157.24	155.12	155.10	155.04	154.91	154.55	
5	154.85	154.80	156.18	155.19	155.83	157.43	157.29	155.12	155.10	155.03	154.90	154.55	
6	154.85	154.80	156.18	155.17	155.88	157.44	157.32	155.12	155.07	155.00	154.90	154.53	
7	154.85	154.82	155.77	155.16	155.84	157.43	157.31	155.12	155.05	155.00	154.90	154.51	
8	154.85	154.88	155.46	155.18	155.76	157.34	157.21	155.11	155.03	155.00	154.89	154.48	
9	154.85	154.91	155.41	155.19	155.65	157.14	156.95	155.11	154.99	155.00	154.87	154.48	
10	154.85	155.04	155.36	155.23	155.68	156.84	156.41	155.11	154.99	155.00	154.87	154.49	
11	154.86	155.15	155.28	155.22	156.08	156.85	155.83	155.11	154.99	155.00	154.85	154.47	
12	154.86	155.71	155.25	155.56	156.38	157.18	155.59	155.10	154.99	155.00	154.82	154.46	
13	154.85	156.18	155.22	157.07	156.50	157.35	155.50	155.10	155.01	155.00	154.79	154.45	
14	154.86	156.16	155.25	157.25	156.56	157.48	155.43	155.11	154.99	154.99	154.79	154.41	
15	154.86	156.47	155.22	157.33	156.50	157.56	155.36	155.10	155.00	154.95	154.77	154.42	
16	154.86	156.75	155.21	157.35	156.25	157.59	155.34	155.07	155.00	154.94	154.76	154.42	
17	154.86	156.99	155.25	157.31	155.97	157.54	155.28	155.05	155.00	154.92	154.72	154.42	
18	154.86	156.94	155.21	157.23	155.70	157.42	155.29	155.05	154.99	154.92	154.72	154.40	
19	154.86	156.56	155.17	156.98	155.60	157.22	155.27	155.05	154.98	154.90	154.70	154.40	
20	154.86	155.99	155.19	156.31	156.10	156.99	155.25	155.07	154.99	154.90	154.69	154.39	
21	154.85	155.66	155.16	155.80	157.40	156.63	155.23	155.07	155.12	154.91	154.68	154.35	
22	154.83	155.61	155.16	156.19	157.73	156.06	155.21	155.07	155.14	154.93	154.66	154.33	
23	154.83	155.60	155.14	157.01	157.81	155.83	155.19	155.07	155.11	154.94	154.66	154.33	
24	154.83	155.60	155.12	157.22	157.86	155.87	155.19	155.07	155.05	154.95	154.65	154.31	
25	154.81	155.91	155.10	157.21	157.91	155.96	155.18	155.08	155.04	154.95	154.65	154.31	
26	154.80	155.78	155.12	157.02	157.96	156.10	155.18	155.10	155.06	154.95	154.63	154.30	
27	154.80	155.50	155.15	156.40	157.97	156.33	155.17	155.09	155.06	154.95	154.61	154.30	
28	154.79	155.43	155.16	155.76	157.96	156.52	155.14	155.10	155.03	154.96	154.60	154.29	
29	154.80	155.36	155.14	155.54	157.90	156.50	155.12	155.10	155.00	154.95		154.29	
30	154.80	155.29	155.12	155.40	157.80	156.51	155.12	155.10	155.00	154.94		154.27	
31		155.35		155.51	157.68		155.12		155.00	154.93		154.28	
Mean	154.84	155.56	155.35	156.08	156.65	156.96	155.85	155.10	155.04	154.97	154.78	154.42	
Max	154.86	156.99	156.18	157.35	157.97	157.59	157.32	155.16	155.14	155.08	154.94	154.59	157.97
Min	154.79	154.80	155.10	155.13	155.60	155.83	155.12	155.05	154.98	154.90	154.60	154.27	154.27
Annual Max Momentary Gage Height	157.98	m. (MSL.) ,		at 18.00 Hours , on Aug 26, 2022									
Zero Gage at Bottom Elevation	153.10	m. (MSL.) ,		River Bed		152.43	m. (MSL.)						
Left Bank Elevation	160.67	m. (MSL.) ,											
Right Bank Elevation	158.27	m. (MSL.) ,		Drainage Are		752	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	3.15	0.91	5.88	29.34	14.52	0.91	0.70	0.21	0.00	0.00	
2	0.00	0.00	4.55	1.33	7.70	27.80	18.02	1.12	0.70	0.56	0.00	0.00	
3	0.00	0.00	4.62	1.40	7.70	28.02	22.30	0.98	0.70	0.35	0.00	0.00	
4	0.00	0.00	5.88	1.54	6.37	28.68	24.28	0.84	0.70	0.28	0.00	0.00	
5	0.00	0.00	8.80	1.33	5.81	28.46	25.38	0.84	0.70	0.21	0.00	0.00	
6	0.00	0.00	8.80	1.19	6.16	28.68	26.04	0.84	0.49	0.00	0.00	0.00	
7	0.00	0.00	5.39	1.12	5.88	28.46	25.82	0.84	0.35	0.00	0.00	0.00	
8	0.00	0.00	3.22	1.26	5.32	26.48	23.62	0.77	0.21	0.00	0.00	0.00	
9	0.00	0.00	2.87	1.33	4.55	22.08	18.30	0.77	0.00	0.00	0.00	0.00	
10	0.00	0.28	2.52	1.61	4.76	16.76	11.10	0.77	0.00	0.00	0.00	0.00	
11	0.00	1.05	1.96	1.54	7.80	16.90	5.81	0.77	0.00	0.00	0.00	0.00	
12	0.00	4.97	1.75	3.92	10.80	22.96	4.13	0.70	0.00	0.00	0.00	0.00	
13	0.00	8.80	1.54	20.54	12.00	26.70	3.50	0.70	0.07	0.00	0.00	0.00	
14	0.00	8.60	1.75	24.50	12.84	29.56	3.01	0.77	0.00	0.00	0.00	0.00	
15	0.00	11.70	1.54	26.26	12.00	31.90	2.52	0.70	0.00	0.00	0.00	0.00	
16	0.00	15.50	1.47	26.70	9.50	32.85	2.38	0.49	0.00	0.00	0.00	0.00	
17	0.00	18.86	1.75	25.82	6.79	31.27	1.96	0.35	0.00	0.00	0.00	0.00	
18	0.00	18.16	1.47	24.06	4.90	28.24	2.03	0.35	0.00	0.00	0.00	0.00	
19	0.00	12.84	1.19	18.72	4.20	23.84	1.89	0.35	0.00	0.00	0.00	0.00	
20	0.00	6.93	1.33	10.10	8.00	18.86	1.75	0.49	0.00	0.00	0.00	0.00	
21	0.00	4.62	1.12	5.60	27.80	13.82	1.61	0.49	0.84	0.00	0.00	0.00	
22	0.00	4.27	1.12	8.90	37.28	7.60	1.47	0.49	0.98	0.00	0.00	0.00	
23	0.00	4.20	0.98	19.22	39.82	5.81	1.33	0.49	0.77	0.00	0.00	0.00	
24	0.00	4.20	0.84	23.84	41.40	6.09	1.33	0.49	0.35	0.00	0.00	0.00	
25	0.00	6.37	0.70	23.62	42.98	6.72	1.26	0.56	0.28	0.00	0.00	0.00	
26	0.00	5.46	0.84	19.44	44.57	8.00	1.26	0.70	0.42	0.00	0.00	0.00	
27	0.00	3.50	1.05	11.00	44.88	10.30	1.19	0.63	0.42	0.00	0.00	0.00	
28	0.00	3.01	1.12	5.32	44.57	12.28	0.98	0.70	0.21	0.00	0.00	0.00	
29	0.00	2.52	0.98	3.78	42.67	12.00	0.84	0.70	0.00	0.00	0.00	0.00	
30	0.00	2.03	0.84	2.80	39.50	12.14	0.84	0.70	0.00	0.00	0.00	0.00	
31		2.45		3.57	35.70		0.84		0.00	0.00		0.00	
Total	0.00	150.32	75.14	322.27	590.13	622.60	251.31	20.30	8.89	1.61	0.00	0.00	2042.57
Mean	0.00	4.85	2.50	10.40	19.04	20.75	8.11	0.68	0.29	0.05	0.00	0.00	5.60
Max	0.00	18.86	8.80	26.70	44.88	32.85	26.04	1.12	0.98	0.56	0.00	0.00	44.88
Min	0.00	0.00	0.70	0.91	4.20	5.81	0.84	0.35	0.00	0.00	0.00	0.00	0.00
Runoff	0.00	12.99	6.49	27.84	50.99	53.79	21.71	1.75	0.77	0.14	0.00	0.00	176.48
Momentary Peak	CMS. at 157.98 m. (MSL.) at 18.00 Hours , on Aug 26, 2022												
Runoff Yield	7.44	Liters/Second/Square KM.			Momentary Peak Yield			60.11	Liters/Second/Square KM.				

WATER YEAR : 2022**KHONG RIVER BASIN****Nam San at Ban Kaeng Hai , Loei (Kh.95)**

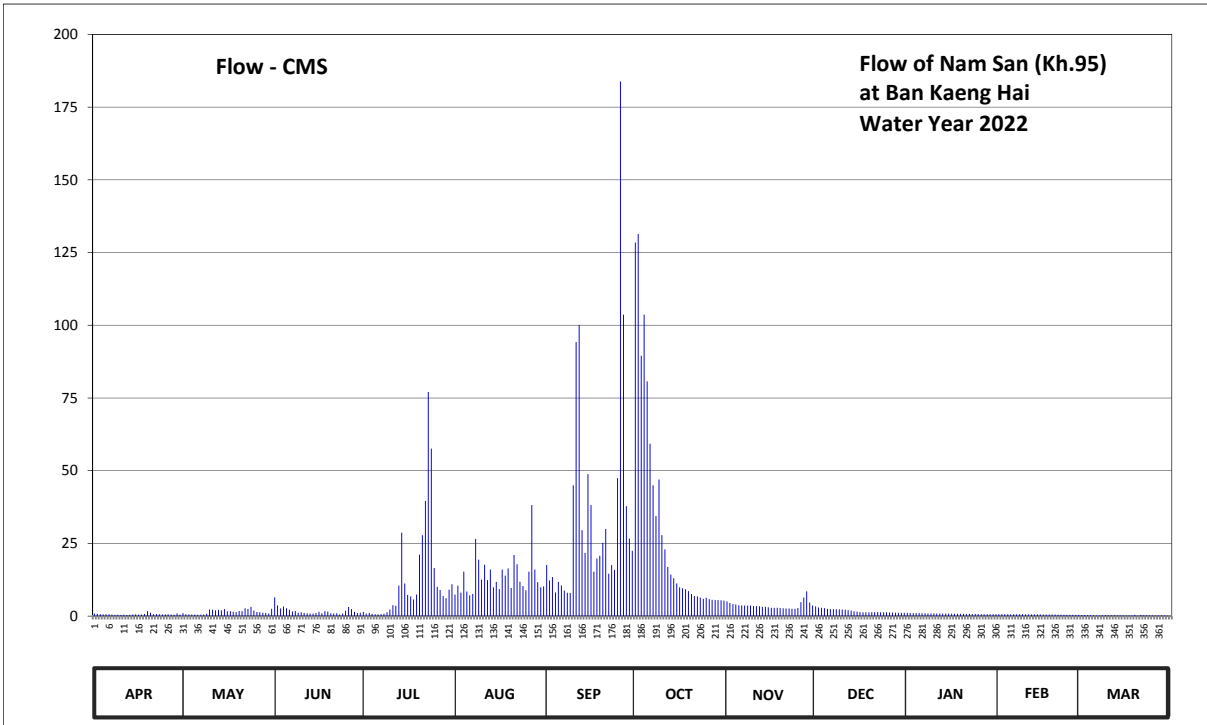
Lat 17 - 26 - 26 N Long 101 - 19 - 37 E

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

	Ban	Kaeng Hai	Amphoe	Phu Rua	Changwat	Loei
Drainge Area	353	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+593.900 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On left bank upstream side at the footpath of the bridge.				Elevation	+605.713 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1998 to date					
Rating Operation						
Period of Rating	1998 to date					
Rated by Float	-					
Rated by Current Meter	1999 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 26 discharge measurements made in 2022.					

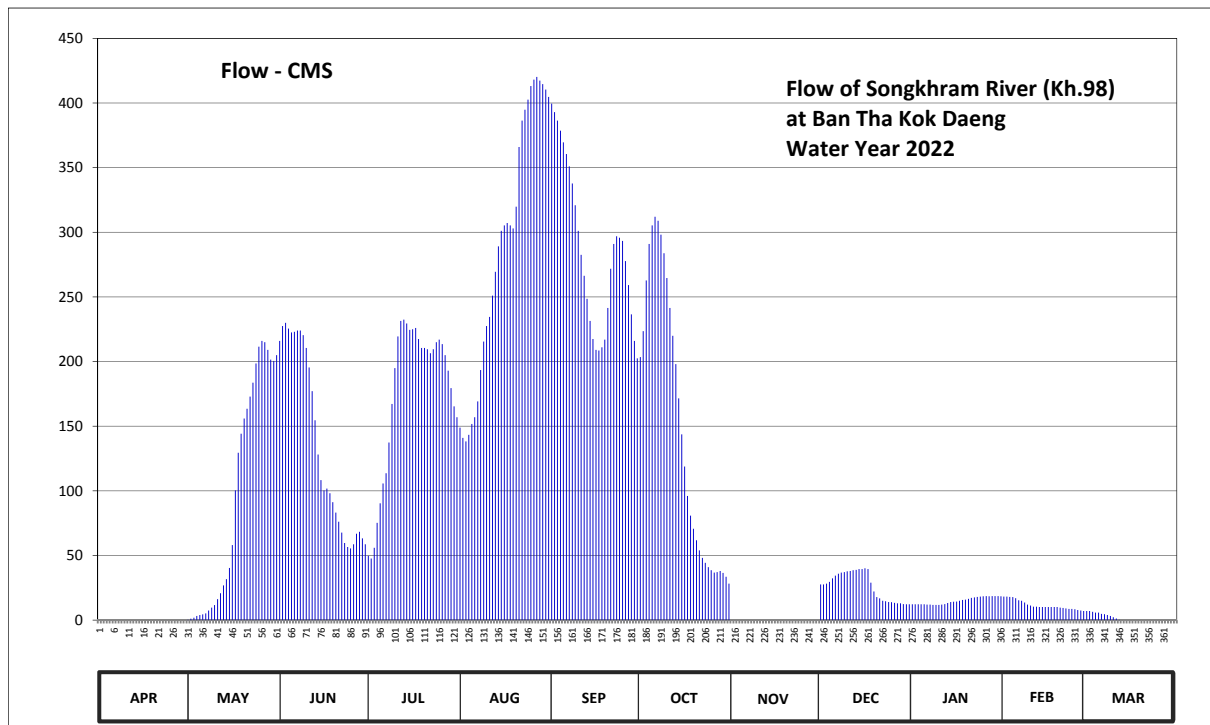
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	596.00	596.07	597.29	596.16	597.48	598.94	602.77	597.01	596.61	596.09	595.90	595.78	
2	595.97	595.91	596.69	595.99	598.06	598.28	602.82	596.89	596.52	596.08	595.90	595.77	
3	595.90	595.88	596.45	596.08	597.62	598.43	602.11	596.79	596.50	596.07	595.89	595.76	
4	595.87	595.86	596.60	595.95	598.66	597.63	602.35	596.77	596.47	596.07	595.89	595.75	
5	595.89	595.85	596.46	595.89	597.69	598.22	601.93	596.70	596.40	596.07	595.88	595.73	
6	595.89	595.83	596.34	595.88	597.43	598.07	601.28	596.69	596.39	596.06	595.90	595.70	
7	595.84	595.82	596.20	595.89	597.53	597.76	600.75	596.68	596.38	596.06	595.90	595.70	
8	595.80	595.85	596.24	595.97	599.71	597.61	600.22	596.68	596.38	596.03	595.89	595.74	
9	595.83	595.97	596.09	596.13	599.12	597.58	600.85	596.67	596.37	596.03	595.89	595.77	
10	595.79	596.37	596.13	596.35	598.32	600.75	599.82	596.64	596.35	596.02	595.88	595.76	
11	595.83	596.34	596.08	596.70	598.96	602.19	599.41	596.62	596.34	596.00	595.88	595.76	
12	595.77	596.29	596.05	596.66	598.30	602.29	598.86	596.61	596.31	596.00	595.88	595.74	
13	595.83	596.33	596.01	598.06	598.75	599.96	598.54	596.58	596.28	596.00	595.87	595.72	
14	595.84	596.29	595.99	599.89	597.98	599.31	598.38	596.57	596.21	595.99	595.87	595.72	
15	595.87	596.39	596.08	598.15	598.22	600.94	598.15	596.54	596.18	595.99	595.87	595.72	
16	595.84	596.21	596.17	597.45	597.86	600.41	597.98	596.50	596.15	595.98	595.86	595.71	
17	595.85	596.23	596.06	597.35	598.75	598.66	597.91	596.50	596.12	595.98	595.85	595.70	
18	595.96	596.17	596.23	597.14	598.49	599.15	597.85	596.49	596.14	595.97	595.85	595.71	
19	596.23	596.15	596.18	597.49	598.80	599.23	597.72	596.48	596.14	595.96	595.84	595.81	
20	596.09	596.24	596.06	599.26	597.94	599.60	597.52	596.46	596.15	595.95	595.84	595.68	
21	595.89	596.23	596.00	599.82	599.25	600.00	597.39	596.45	596.15	595.94	595.82	595.79	
22	595.92	596.46	596.06	600.48	598.98	598.57	597.35	596.44	596.16	595.94	595.82	595.74	
23	595.90	596.41	595.86	601.82	598.23	598.94	597.28	596.42	596.14	595.93	595.81	595.72	
24	595.88	596.58	596.01	601.23	598.04	598.74	597.19	596.42	596.14	595.93	595.80	595.72	
25	595.87	596.28	596.26	598.82	597.77	600.87	597.26	596.48	596.13	595.92	595.80	595.71	
26	595.89	596.16	596.56	598.01	598.66	603.45	597.16	596.95	596.12	595.91	595.79	595.71	
27	595.86	596.13	596.39	597.79	600.41	602.35	597.12	597.27	596.11	595.91	595.79	595.70	
28	595.82	596.10	596.17	597.37	598.75	600.39	597.11	597.71	596.10	595.91	595.79	595.69	
29	596.02	596.07	596.07	597.23	598.21	599.72	597.10	596.92	596.10	595.91		595.69	
30	595.85	596.00	596.10	597.81	597.98	599.37	597.09	596.67	596.09	595.90		595.66	
31		596.42		598.12	598.03		597.07		596.09	595.90		595.61	
Mean	595.89	596.16	596.23	597.64	598.39	599.58	598.91	596.69	596.25	595.98	595.86	595.72	
Max	596.23	596.58	597.29	601.82	600.41	603.45	602.82	597.71	596.61	596.09	595.90	595.81	603.45
Min	595.77	595.82	595.86	595.88	597.43	597.58	597.07	596.42	596.09	595.90	595.79	595.61	595.61
Annual Max Momentary Gage Height	603.69		m. (MSL.) ,			at 04.00 Hours , on Sep 26, 2022							
Zero Gage at Bottom Elevation		593.90	m. (MSL.) ,			River Bed	595.07	m. (MSL.)					
Left Bank Elevation		605.09	m. (MSL.) ,										
Right Bank Elevation		604.59	m. (MSL.) ,			Drainage Are	353	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.87	1.04	6.45	1.43	7.40	17.52	128.43	5.05	3.34	1.13	0.65	0.39		
2	0.80	0.67	3.68	0.85	10.48	12.24	131.38	4.53	2.96	1.09	0.65	0.37		
3	0.65	0.61	2.66	1.09	8.10	13.44	89.49	4.11	2.87	1.04	0.63	0.35		
4	0.59	0.57	3.30	0.76	15.28	8.15	103.65	4.02	2.75	1.04	0.63	0.33		
5	0.63	0.54	2.70	0.63	8.45	11.76	80.69	3.72	2.45	1.04	0.61	0.28		
6	0.63	0.50	2.19	0.61	7.15	10.56	59.24	3.68	2.40	1.00	0.65	0.22		
7	0.52	0.48	1.60	0.63	7.65	8.80	45.00	3.64	2.36	1.00	0.65	0.22		
8	0.44	0.54	1.77	0.80	26.52	8.05	34.40	3.64	2.36	0.94	0.63	0.30		
9	0.50	0.80	1.13	1.30	19.44	7.90	47.00	3.60	2.32	0.94	0.63	0.37		
10	0.41	2.32	1.30	2.23	12.56	45.00	27.84	3.47	2.23	0.91	0.61	0.35		
11	0.50	2.19	1.09	3.72	17.68	94.21	22.92	3.38	2.19	0.87	0.61	0.35		
12	0.37	1.98	0.98	3.55	12.40	100.11	16.88	3.34	2.06	0.87	0.61	0.30		
13	0.50	2.15	0.89	10.48	16.00	29.52	14.32	3.21	1.94	0.87	0.59	0.26		
14	0.52	1.98	0.85	28.68	9.90	21.72	13.04	3.17	1.64	0.85	0.59	0.26		
15	0.59	2.40	1.09	11.20	11.76	48.80	11.20	3.04	1.51	0.85	0.59	0.26		
16	0.52	1.64	1.47	7.25	9.30	38.20	9.90	2.87	1.38	0.83	0.57	0.24		
17	0.54	1.72	1.00	6.75	16.00	15.28	9.55	2.87	1.26	0.83	0.54	0.22		
18	0.78	1.47	1.72	5.70	13.92	19.80	9.25	2.83	1.34	0.80	0.54	0.24		
19	1.72	1.38	1.51	7.45	16.40	20.76	8.60	2.79	1.34	0.78	0.52	0.46		
20	1.13	1.77	1.00	21.12	9.70	25.20	7.60	2.70	1.38	0.76	0.52	0.17		
21	0.63	1.72	0.87	27.84	21.00	30.00	6.95	2.66	1.38	0.74	0.48	0.41		
22	0.70	2.70	1.00	39.60	17.84	14.56	6.75	2.62	1.43	0.74	0.48	0.30		
23	0.65	2.49	0.57	77.06	11.84	17.52	6.40	2.53	1.34	0.72	0.46	0.26		
24	0.61	3.21	0.89	57.59	10.32	15.92	5.95	2.53	1.34	0.72	0.44	0.26		
25	0.59	1.94	1.85	16.56	8.85	47.40	6.30	2.79	1.30	0.70	0.44	0.24		
26	0.63	1.43	3.13	10.08	15.28	183.85	5.80	4.79	1.26	0.67	0.41	0.24		
27	0.57	1.30	2.40	8.95	38.20	103.65	5.60	6.35	1.21	0.67	0.41	0.22		
28	0.48	1.17	1.47	6.85	16.00	37.80	5.55	8.55	1.17	0.67	0.41	0.20		
29	0.91	1.04	1.04	6.15	11.68	26.64	5.50	4.66	1.17	0.67		0.20		
30	0.54	0.87	1.17	9.05	9.90	22.44	5.45	3.60	1.13	0.65		0.13		
31		2.53		10.96	10.24		5.35		1.13	0.65		0.02		
Total	19.52	47.15	52.77	386.92	427.24	1056.80	935.98	110.74	55.94	26.04	15.55	8.42	3143.07	CMSDAY
Mean	0.65	1.52	1.76	12.48	13.78	35.23	30.19	3.69	1.80	0.84	0.56	0.27	8.61	CMS
Max	1.72	3.21	6.45	77.06	38.20	183.85	131.38	8.55	3.34	1.13	0.65	0.46	183.85	CMS
Min	0.37	0.48	0.57	0.61	7.15	7.90	5.35	2.53	1.13	0.65	0.41	0.02	0.02	CMS
Runoff	1.69	4.07	4.56	33.43	36.91	91.31	80.87	9.57	4.83	2.25	1.34	0.73	271.56	MCM
Momentary Peak	206.17 CMS. at 603.69 m. (MSL.) at 04:00 Hours , on Sep 26, 2022													
Runoff Yield	24.39	Liters/Second/Square KM.			Momentary Peak Yield			584.05	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.30	216.00	49.70	148.93	399.60	203.50	0.00	27.60	12.20	18.20	7.00		
2	0.00	1.05	227.50	47.60	140.94	393.00	223.50	0.00	27.60	12.20	18.20	7.00		
3	0.00	1.80	230.00	56.00	138.24	386.40	262.80	0.00	28.20	12.20	18.00	6.40		
4	0.00	3.20	225.50	75.20	143.29	378.60	291.00	0.00	29.60	12.20	17.80	5.80		
5	0.00	4.00	222.50	90.40	151.75	369.60	305.40	0.00	32.30	12.20	17.00	5.80		
6	0.00	4.40	223.00	105.68	156.92	360.60	312.00	0.00	34.40	12.00	15.40	4.80		
7	0.00	5.20	224.00	113.60	169.14	351.00	309.00	0.00	35.90	12.00	15.00	4.60		
8	0.00	7.40	224.00	137.36	193.50	337.80	298.20	0.00	36.80	11.80	13.60	4.00		
9	0.00	9.60	220.50	167.26	215.50	321.00	283.80	0.00	37.10	11.80	12.00	3.20		
10	0.00	11.60	210.50	195.00	227.50	301.20	264.60	0.00	37.70	11.80	11.20	2.25		
11	0.00	16.20	195.50	219.50	234.50	282.60	241.50	0.00	38.00	12.00	10.40	1.20		
12	0.00	20.80	177.13	231.50	251.00	266.40	220.00	0.00	38.60	12.40	10.40	0.30		
13	0.00	26.80	154.57	232.50	269.40	248.50	198.00	0.00	38.90	13.20	10.20	0.00		
14	0.00	31.70	128.12	229.50	289.20	231.50	171.49	0.00	39.50	14.00	10.20	0.00		
15	0.00	40.40	108.32	224.50	301.20	217.50	143.76	0.00	39.50	14.20	10.20	0.00		
16	0.00	58.10	100.40	225.00	305.40	209.00	118.88	0.00	40.10	14.40	10.20	0.00		
17	0.00	100.40	101.72	226.00	307.20	208.50	96.00	0.00	39.50	15.00	10.20	0.00		
18	0.00	129.44	98.20	217.50	305.40	211.00	80.80	0.00	29.00	15.60	10.20	0.00		
19	0.00	144.23	91.20	210.50	303.00	217.00	70.70	0.00	22.20	15.80	10.20	0.00		
20	0.00	155.98	83.20	210.50	319.80	241.50	61.70	0.00	17.80	16.40	9.60	0.00		
21	0.00	163.50	76.10	209.50	366.00	271.80	53.90	0.00	16.80	17.20	9.40	0.00		
22	0.00	172.90	67.70	206.50	386.40	291.00	48.20	0.00	15.00	17.60	9.00	0.00		
23	0.00	183.71	59.60	209.50	394.80	297.00	44.30	0.00	14.60	18.00	8.60	0.00		
24	0.00	198.50	56.60	215.00	402.70	295.80	41.00	0.00	14.00	18.20	8.60	0.00		
25	0.00	211.50	55.40	217.00	413.20	293.40	38.60	0.00	13.80	18.40	8.40	0.00		
26	0.00	216.00	58.70	213.50	418.10	277.80	36.80	0.00	13.40	18.60	7.80	0.00		
27	0.00	215.00	66.80	205.00	420.20	259.20	37.10	0.00	13.00	18.40	7.40	0.00		
28	0.00	209.00	68.30	193.00	417.40	236.50	38.00	0.00	13.00	18.60	7.00	0.00		
29	0.00	201.50	63.20	179.48	414.60	216.00	36.50	0.00	12.40	18.60		0.00		
30	0.00	200.50	58.70	165.38	410.40	202.50	33.50	0.00	12.20	18.60		0.00		
31		205.00		156.92	404.80		28.20		12.20	18.40		0.00		
Total	0.00	2949.71	4092.96	5435.58	9020.41	8573.30	4592.73	0.00	820.70	464.00	324.40	52.35	36326.14	CMSDAY
Mean	0.00	95.15	136.43	175.34	290.98	285.78	148.15	0.00	26.47	14.97	11.59	1.69	99.52	CMS
Max	0.00	216.00	230.00	232.50	420.20	399.60	312.00	0.00	40.10	18.60	18.20	7.00	420.20	CMS
Min	0.00	0.30	55.40	47.60	138.24	202.50	28.20	0.00	12.20	11.80	7.00	0.00	0.00	CMS
Runoff	0.00	254.85	353.63	469.63	779.36	740.73	396.81	0.00	70.91	40.09	28.03	4.52	3138.58	MCM
Momentary Peak		420.90	CMS. at	147.07 m. (MSL.) at	04.00 Hours	, on Aug 27, 2022								
Runoff Yield		22.48	Liters/Second/Square KM.		Momentary Peak Yield	95.05	Liters/Second/Square KM.							

WATER YEAR : 2022**KHONG RIVER BASIN****Huai Bang Sai at Ban Kaeng Nang , Mukdahan (Kh.99A)**

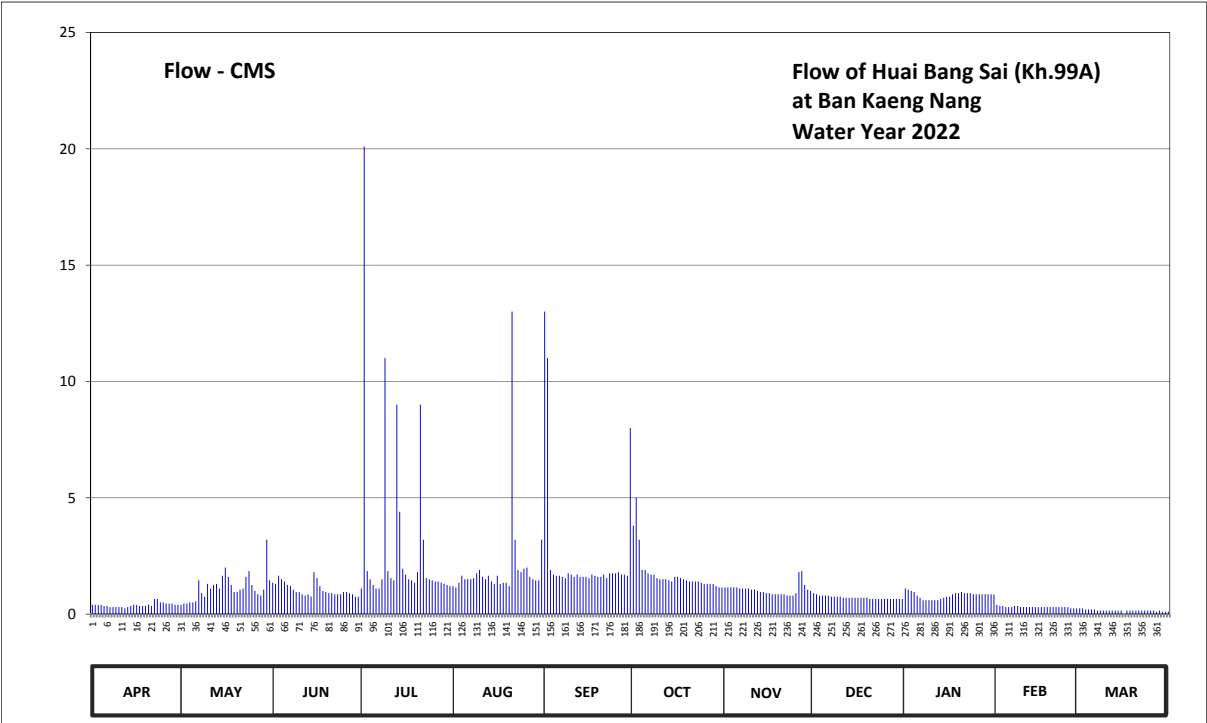
Lat 16 - 42 - 18 N Long 104 - 14 - 26 E

Location : on right bank at Ban Kaeng Nang

	Ban	Kaeng Nang	Amphoe	Dong Luang	Changwat	Mukdahan
Drainge Area	116	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+253.100 m. (MSL.)					
Bench Mark	B.M.- H.D.					
Location BM	On right bank near the gage site.				Elevation	+259.628 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.					
Period of Available Gage Records	2005 to date					
Rating Operation						
Period of Rating	2005 to date					
Rated by Float	-					
Rated by Current Meter	2005 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 35 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	255.28	255.28	255.47	255.42	255.44	255.78	255.66	255.43	255.38	255.42	255.28	255.25	
2	255.28	255.29	255.46	255.83	255.43	255.76	255.70	255.43	255.37	255.41	255.27	255.25	
3	255.28	255.29	255.53	255.57	255.47	255.58	255.64	255.43	255.36	255.40	255.27	255.24	
4	255.28	255.30	255.50	255.50	255.53	255.54	255.58	255.43	255.36	255.39	255.26	255.24	
5	255.27	255.30	255.48	255.45	255.50	255.53	255.58	255.43	255.36	255.36	255.26	255.24	
6	255.27	255.31	255.45	255.42	255.50	255.53	255.55	255.42	255.36	255.34	255.26	255.24	
7	255.26	255.49	255.44	255.42	255.50	255.52	255.54	255.42	255.35	255.32	255.27	255.23	
8	255.26	255.38	255.41	255.50	255.51	255.51	255.54	255.42	255.35	255.32	255.27	255.23	
9	255.26	255.35	255.39	255.76	255.55	255.55	255.51	255.42	255.35	255.32	255.26	255.23	
10	255.26	255.46	255.39	255.57	255.58	255.54	255.50	255.41	255.35	255.32	255.26	255.23	
11	255.26	255.42	255.37	255.51	255.52	255.52	255.50	255.41	255.34	255.32	255.26	255.23	
12	255.25	255.45	255.36	255.49	255.50	255.54	255.50	255.40	255.34	255.32	255.26	255.23	
13	255.26	255.46	255.37	255.74	255.53	255.52	255.49	255.39	255.34	255.33	255.26	255.23	
14	255.27	255.42	255.35	255.68	255.48	255.52	255.48	255.39	255.34	255.34	255.26	255.23	
15	255.28	255.53	255.56	255.59	255.46	255.52	255.52	255.38	255.34	255.35	255.26	255.23	
16	255.28	255.60	255.51	255.54	255.53	255.51	255.52	255.38	255.34	255.35	255.26	255.19	
17	255.27	255.52	255.44	255.50	255.46	255.54	255.51	255.37	255.34	255.37	255.26	255.23	
18	255.27	255.45	255.40	255.49	255.47	255.53	255.50	255.37	255.34	255.38	255.26	255.23	
19	255.27	255.39	255.39	255.47	255.47	255.52	255.49	255.37	255.34	255.38	255.26	255.23	
20	255.28	255.39	255.38	255.56	255.44	255.52	255.48	255.37	255.33	255.39	255.26	255.23	
21	255.27	255.41	255.38	255.74	255.78	255.54	255.48	255.37	255.33	255.38	255.26	255.23	
22	255.33	255.42	255.37	255.64	255.64	255.51	255.48	255.36	255.33	255.38	255.26	255.23	
23	255.33	255.52	255.37	255.51	255.58	255.55	255.48	255.36	255.33	255.38	255.26	255.23	
24	255.30	255.57	255.37	255.50	255.56	255.55	255.47	255.36	255.33	255.37	255.26	255.23	
25	255.30	255.45	255.39	255.49	255.59	255.55	255.46	255.38	255.33	255.37	255.26	255.23	
26	255.29	255.40	255.39	255.48	255.60	255.56	255.46	255.56	255.33	255.37	255.25	255.23	
27	255.29	255.37	255.38	255.48	255.52	255.54	255.46	255.57	255.33	255.37	255.25	255.22	
28	255.29	255.36	255.37	255.47	255.50	255.54	255.46	255.45	255.33	255.37	255.25	255.23	
29	255.28	255.41	255.35	255.46	255.49	255.53	255.44	255.41	255.33	255.37		255.22	
30	255.28	255.64	255.35	255.45	255.49	255.73	255.43	255.40	255.33	255.37		255.22	
31		255.49		255.44	255.64		255.43		255.33	255.37		255.22	
Mean	255.28	255.42	255.41	255.54	255.52	255.56	255.51	255.41	255.34	255.36	255.26	255.23	
Max	255.33	255.64	255.56	255.83	255.78	255.78	255.70	255.57	255.38	255.42	255.28	255.25	255.83
Min	255.25	255.28	255.35	255.42	255.43	255.51	255.43	255.36	255.33	255.32	255.25	255.19	255.19
Annual Max Momentary Gage Height	256.20	m. (MSL.) ,		at 06.00 Hours , on Aug 21, 2022									
Zero Gage at Bottom Elevation	253.10	m. (MSL.) ,		River Bed		255.12	m. (MSL.)						
Left Bank Elevation	261.83	m. (MSL.) ,											
Right Bank Elevation	259.82	m. (MSL.) ,		Drainage Are		116	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.40	0.40	1.35	1.10	1.20	13.00	3.80	1.15	0.90	1.10	0.40	0.25		
2	0.40	0.45	1.30	20.10	1.15	11.00	5.00	1.15	0.85	1.05	0.35	0.25		
3	0.40	0.45	1.65	1.85	1.35	1.90	3.20	1.15	0.80	1.00	0.35	0.20		
4	0.40	0.50	1.50	1.50	1.65	1.70	1.90	1.15	0.80	0.95	0.30	0.20		
5	0.35	0.50	1.40	1.25	1.50	1.65	1.90	1.15	0.80	0.80	0.30	0.20		
6	0.35	0.55	1.25	1.10	1.50	1.65	1.75	1.10	0.80	0.70	0.30	0.20		
7	0.30	1.45	1.20	1.10	1.50	1.60	1.70	1.10	0.75	0.60	0.35	0.15		
8	0.30	0.90	1.05	1.50	1.55	1.55	1.70	1.10	0.75	0.60	0.35	0.15		
9	0.30	0.75	0.95	11.00	1.75	1.75	1.55	1.10	0.75	0.60	0.30	0.15		
10	0.30	1.30	0.95	1.85	1.90	1.70	1.50	1.05	0.75	0.60	0.30	0.15		
11	0.30	1.10	0.85	1.55	1.60	1.60	1.50	1.05	0.70	0.60	0.30	0.15		
12	0.25	1.25	0.80	1.45	1.50	1.70	1.50	1.00	0.70	0.60	0.30	0.15		
13	0.30	1.30	0.85	9.00	1.65	1.60	1.45	0.95	0.70	0.65	0.30	0.15		
14	0.35	1.10	0.75	4.40	1.40	1.60	1.40	0.95	0.70	0.70	0.30	0.15		
15	0.40	1.65	1.80	1.95	1.30	1.60	1.60	0.90	0.70	0.75	0.30	0.15		
16	0.40	2.00	1.55	1.70	1.65	1.55	1.60	0.90	0.70	0.75	0.30	0.00		
17	0.35	1.60	1.20	1.50	1.30	1.70	1.55	0.85	0.70	0.85	0.30	0.15		
18	0.35	1.25	1.00	1.45	1.35	1.65	1.50	0.85	0.70	0.90	0.30	0.15		
19	0.35	0.95	0.95	1.35	1.35	1.60	1.45	0.85	0.70	0.90	0.30	0.15		
20	0.40	0.95	0.90	1.80	1.20	1.60	1.40	0.85	0.65	0.95	0.30	0.15		
21	0.35	1.05	0.90	9.00	13.00	1.70	1.40	0.85	0.65	0.90	0.30	0.15		
22	0.65	1.10	0.85	3.20	3.20	1.55	1.40	0.80	0.65	0.90	0.30	0.15		
23	0.65	1.60	0.85	1.55	1.90	1.75	1.40	0.80	0.65	0.90	0.30	0.15		
24	0.50	1.85	0.85	1.50	1.80	1.75	1.35	0.80	0.65	0.85	0.30	0.15		
25	0.50	1.25	0.95	1.45	1.95	1.75	1.30	0.90	0.65	0.85	0.30	0.15		
26	0.45	1.00	0.95	1.40	2.00	1.80	1.30	1.80	0.65	0.85	0.25	0.15		
27	0.45	0.85	0.90	1.40	1.60	1.70	1.30	1.85	0.65	0.85	0.25	0.10		
28	0.45	0.80	0.85	1.35	1.50	1.70	1.30	1.25	0.65	0.85	0.25	0.15		
29	0.40	1.05	0.75	1.30	1.45	1.65	1.20	1.05	0.65	0.85		0.10		
30	0.40	3.20	0.75	1.25	1.45	8.00	1.15	1.00	0.65	0.85		0.10		
31		1.45		1.20	3.20		1.15		0.65	0.85		0.10		
Total	11.75	35.60	31.85	93.10	62.40	77.05	53.20	31.45	22.05	25.15	8.55	4.70	456.85	CMSDAY
Mean	0.39	1.15	1.06	3.00	2.01	2.57	1.72	1.05	0.71	0.81	0.31	0.15	1.25	CMS
Max	0.65	3.20	1.80	20.10	13.00	13.00	5.00	1.85	0.90	1.10	0.40	0.25	20.10	CMS
Min	0.25	0.40	0.75	1.10	1.15	1.55	1.15	0.80	0.65	0.60	0.25	0.00	0.00	CMS
Runoff	1.02	3.08	2.75	8.04	5.39	6.66	4.60	2.72	1.91	2.17	0.74	0.41	39.47	MCM
Momentary Peak	93.00	CMS. at 256.20 m. (MSL.) at 06.00 Hours , on Aug 21, 2022												
Runoff Yield	10.79	Liters/Second/Square KM.		Momentary Peak Yield			801.72	Liters/Second/Square KM.						

WATER YEAR : 2022**KHONG RIVER BASIN****Huai Muk at Ban Kaen Tao , Mukdahan (Kh.101)**

Lat 16 - 35 - 12 N Long 104 - 36 - 58 E

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

	Ban	Kaen Tao	Amphoe	Mueang	Changwat	Mukdahan
Drainge Area	413	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+136.900 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On right bank about 1 meter from the top staff gage.				Elevation	+146.237 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.					
Period of Available Gage Records	1999 to date					
Rating Operation						
Period of Rating	1999 to date					
Rated by Float	-					
Rated by Current Meter	1999 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +143.200 m.(MSL.) record are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 41 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	137.62	137.64	139.09	137.79	139.73	140.35	141.14	137.90	138.19	137.90	137.74	137.84	
2	137.63	137.65	138.83	138.03	139.63	139.59	140.77	137.91	138.00	137.89	137.74	137.85	
3	137.65	137.65	138.55	139.00	139.64	139.17	141.30	137.93	137.97	137.88	137.74	137.84	
4	137.65	137.65	138.56	138.84	141.98	139.15	140.37	137.95	137.95	137.88	137.72	137.83	
5	137.63	137.65	138.71	138.42	141.33	138.97	139.69	137.98	137.94	137.88	137.70	137.83	
6	137.63	137.64	138.53	138.18	139.51	139.12	139.10	137.98	137.90	137.87	137.70	137.82	
7	137.63	137.65	138.30	138.02	139.31	138.93	138.77	137.91	137.88	137.87	137.70	137.82	
8	137.63	137.65	138.08	137.93	139.78	138.87	138.58	137.90	137.85	137.87	137.70	137.81	
9	137.64	137.65	138.05	139.63	142.04	139.89	138.49	137.88	137.83	137.86	137.68	137.80	
10	137.64	137.64	137.94	139.33	142.72	139.68	138.29	137.85	137.83	137.87	137.68	137.80	
11	137.64	137.65	137.89	138.76	142.10	139.22	138.20	137.87	137.83	137.85	137.67	137.81	
12	137.64	137.68	137.91	138.85	141.02	138.99	138.14	137.77	137.83	137.85	137.67	137.80	
13	137.64	137.66	137.80	141.08	139.81	138.73	138.07	137.78	137.82	137.84	137.67	137.81	
14	137.64	137.68	137.77	141.05	139.18	138.65	138.08	138.24	137.78	137.84	137.60	137.81	
15	137.63	137.71	137.76	141.42	138.96	138.55	138.54	138.10	137.80	137.84	137.56	137.81	
16	137.64	138.40	137.75	140.92	140.24	138.51	138.79	137.91	137.92	137.83	137.56	137.80	
17	137.64	138.51	137.75	140.08	139.61	138.61	138.58	137.87	137.92	137.86	137.55	137.79	
18	137.63	138.53	137.74	139.36	139.37	138.57	138.51	137.80	137.90	137.82	137.54	137.78	
19	137.61	138.20	137.68	138.86	139.85	138.48	138.39	137.79	137.89	137.81	137.54	137.77	
20	137.61	138.41	137.68	138.85	140.65	138.50	138.30	137.77	137.88	137.81	137.54	137.77	
21	137.61	138.33	137.69	138.80	143.50	138.83	138.26	137.72	137.88	137.80	137.54	137.77	
22	137.62	138.17	137.74	140.16	143.86	138.78	138.20	137.97	137.89	137.80	137.61	137.77	
23	137.62	138.10	137.75	139.63	143.32	139.66	138.17	138.00	137.89	137.78	137.75	137.77	
24	137.61	138.71	137.75	138.98	140.87	140.14	138.12	138.00	137.90	137.78	137.84	137.77	
25	137.62	138.76	137.76	138.62	139.74	140.08	138.08	138.06	137.89	137.76	137.84	137.76	
26	137.62	138.45	137.76	138.39	142.43	140.93	138.06	138.56	137.91	137.76	137.84	137.76	
27	137.62	138.06	137.80	137.98	143.88	140.03	138.03	138.55	137.91	137.75	137.84	137.76	
28	137.64	138.15	138.15	137.96	143.15	139.69	138.02	138.70	137.91	137.75	137.85	137.76	
29	137.64	138.34	137.95	137.91	140.95	140.10	137.99	138.51	137.91	137.74		137.76	
30	137.64	139.16	137.83	137.92	139.61	140.32	137.97	138.30	137.91	137.74		137.76	
31		138.73		138.20	140.62		137.95		137.91	137.74		137.76	
Mean	137.63	138.06	138.02	139.00	140.92	139.30	138.68	138.02	137.90	137.82	137.68	137.79	
Max	137.65	139.16	139.09	141.42	143.88	140.93	141.30	138.70	138.19	137.90	137.85	137.85	143.88
Min	137.61	137.64	137.68	137.79	138.96	138.48	137.95	137.72	137.78	137.74	137.54	137.76	137.54
Annual Max Momentary Gage Height	143.92	m. (MSL.) ,		at 09.00 Hours , on Aug 27, 2022									
Zero Gage at Bottom Elevation	136.90	m. (MSL.) ,		River Bed		137.65	m. (MSL.)						
Left Bank Elevation	145.56	m. (MSL.) ,											
Right Bank Elevation	143.19	m. (MSL.) ,		Drainage Are		413	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	7.63	0.05	12.11	17.33	25.11	0.25	1.74	0.25	0.02	0.13		
2	0.00	0.00	5.90	0.70	11.41	11.13	21.32	0.28	0.50	0.23	0.02	0.15		
3	0.00	0.00	4.08	7.00	11.48	8.19	26.95	0.33	0.43	0.21	0.02	0.13		
4	0.00	0.00	4.14	5.96	34.77	8.05	17.52	0.38	0.38	0.21	0.01	0.11		
5	0.00	0.00	5.12	3.23	27.30	6.81	11.83	0.45	0.35	0.21	0.00	0.11		
6	0.00	0.00	3.95	1.67	10.57	7.84	7.70	0.45	0.25	0.19	0.00	0.09		
7	0.00	0.00	2.45	0.63	9.17	6.55	5.51	0.28	0.21	0.19	0.00	0.09		
8	0.00	0.00	1.02	0.33	12.46	6.16	4.27	0.25	0.15	0.19	0.00	0.07		
9	0.00	0.00	0.83	11.41	35.60	13.23	3.69	0.21	0.11	0.17	0.00	0.05		
10	0.00	0.00	0.35	9.31	46.55	11.76	2.39	0.15	0.11	0.19	0.00	0.05		
11	0.00	0.00	0.23	5.44	36.50	8.54	1.80	0.19	0.11	0.15	0.00	0.07		
12	0.00	0.00	0.28	6.03	23.73	6.94	1.41	0.04	0.11	0.15	0.00	0.05		
13	0.00	0.00	0.05	24.42	12.67	5.25	0.96	0.04	0.09	0.13	0.00	0.07		
14	0.00	0.00	0.04	24.08	8.26	4.73	1.02	2.06	0.04	0.13	0.00	0.07		
15	0.00	0.01	0.03	28.33	6.74	4.08	4.01	1.15	0.05	0.13	0.00	0.07		
16	0.00	3.10	0.03	22.74	16.28	3.82	5.64	0.28	0.30	0.11	0.00	0.05		
17	0.00	3.82	0.03	14.76	11.27	4.47	4.27	0.19	0.30	0.17	0.00	0.05		
18	0.00	3.95	0.02	9.52	9.59	4.21	3.82	0.05	0.25	0.09	0.00	0.04		
19	0.00	1.80	0.00	6.09	12.95	3.62	3.04	0.05	0.23	0.07	0.00	0.04		
20	0.00	3.17	0.00	6.03	20.18	3.75	2.45	0.04	0.21	0.07	0.00	0.04		
21	0.00	2.65	0.00	5.70	68.50	5.90	2.19	0.01	0.21	0.05	0.00	0.04		
22	0.00	1.61	0.02	15.52	81.10	5.57	1.80	0.43	0.23	0.05	0.00	0.04		
23	0.00	1.15	0.03	11.41	62.50	11.62	1.61	0.50	0.23	0.04	0.03	0.04		
24	0.00	5.12	0.03	6.87	22.27	15.33	1.28	0.50	0.25	0.04	0.13	0.04		
25	0.00	5.44	0.03	4.53	12.18	14.76	1.02	0.89	0.23	0.03	0.13	0.03		
26	0.00	3.43	0.03	3.04	41.45	22.84	0.89	4.14	0.28	0.03	0.13	0.03		
27	0.00	0.89	0.05	0.45	81.80	14.29	0.70	4.08	0.28	0.03	0.13	0.03		
28	0.00	1.48	1.48	0.40	57.19	11.83	0.63	5.05	0.28	0.03	0.15	0.03		
29	0.00	2.71	0.38	0.28	23.03	14.95	0.48	3.82	0.28	0.02		0.03		
30	0.00	8.12	0.11	0.30	11.27	17.04	0.43	2.45	0.28	0.02		0.03		
31		5.25		1.80	19.89		0.38		0.28	0.02		0.03		
Total	0.00	53.70	38.34	238.03	850.77	280.59	166.12	28.99	8.75	3.60	0.77	1.90	1671.56	CMSDAY
Mean	0.00	1.73	1.28	7.										

WATER YEAR : 2022**KHONG RIVER BASIN****Huai Luang at Ban Non Toom , Udon Thani (Kh.103)**

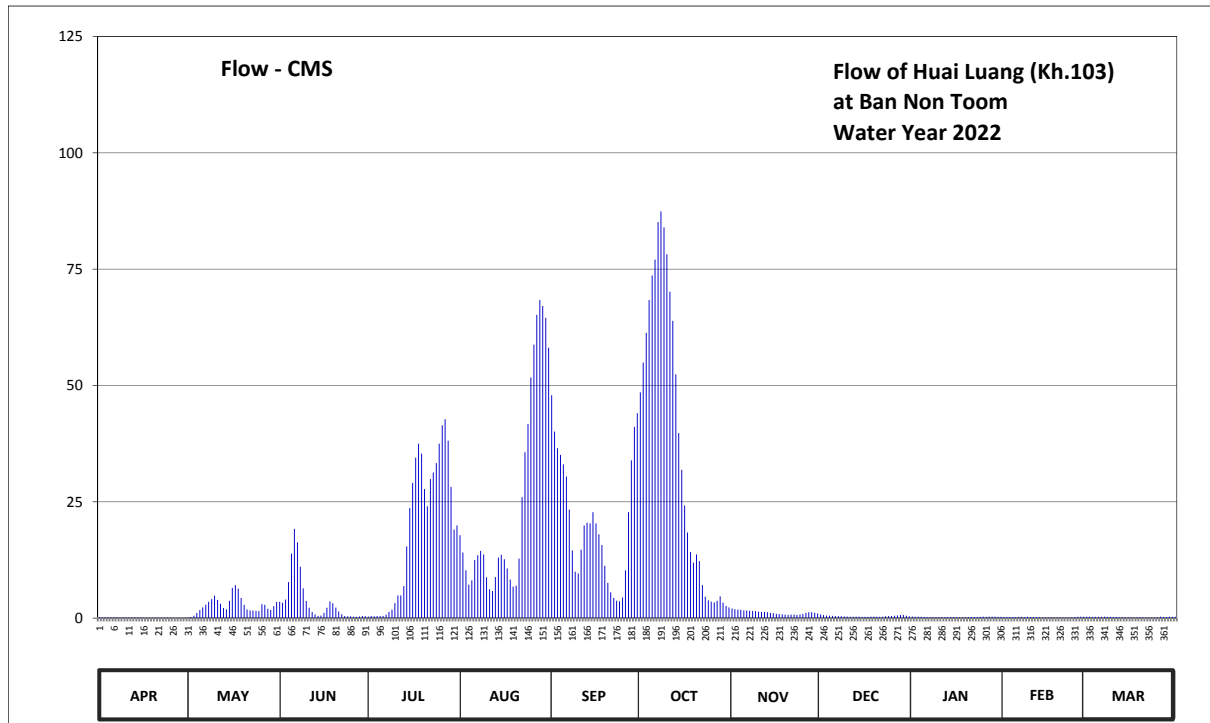
Lat 17 - 28 - 57 N Long 102 - 47 - 51 E

Location : on right bank at the bridge on highway.

	Ban Non Toom	Amphoe Mueang	Changwat Udon Thani
Drainage Area	1,402 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+166.500 m. (MSL.)		
Bench Mark	B.M.- Highways Dept.		
Location BM	On right bank downstream side at the footpath of the bridge.	Elevation	+172.486 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.		
Period of Available Gage Records	2004 to date		
Rating Operation			
Period of Rating	2004 to date		
Rated by Float	-		
Rated by Current Meter	2004 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 30 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	166.78	166.70	167.75	166.92	169.85	171.07	171.08	167.39	167.07	166.92	166.85	166.91	
2	166.78	166.85	167.70	166.97	169.46	170.90	171.18	167.36	167.04	166.90	166.83	166.90	
3	166.77	167.00	167.87	166.95	168.97	170.79	171.28	167.33	167.01	166.89	166.82	166.88	
4	166.77	167.15	168.59	166.97	168.50	170.74	171.39	167.32	167.00	166.88	166.83	166.88	
5	166.77	167.30	169.43	166.98	168.65	170.67	171.44	167.29	166.99	166.85	166.84	166.88	
6	166.76	167.45	169.99	166.99	169.26	170.58	171.47	167.29	166.97	166.81	166.86	166.88	
7	166.76	167.60	169.70	167.06	169.39	170.25	171.54	167.27	166.96	166.80	166.86	166.90	
8	166.75	167.75	169.07	167.21	169.50	169.51	171.56	167.26	166.95	166.80	166.85	166.88	
9	166.75	167.90	168.35	167.33	169.41	168.93	171.53	167.25	166.93	166.81	166.86	166.88	
10	166.74	168.06	167.79	167.68	168.76	168.88	171.48	167.22	166.92	166.80	166.85	166.85	
11	166.74	167.85	167.43	168.07	168.31	169.53	171.41	167.21	166.91	166.79	166.85	166.83	
12	166.73	167.65	167.20	168.07	168.24	170.04	171.32	167.21	166.90	166.80	166.82	166.81	
13	166.73	167.42	167.07	168.44	168.77	170.08	171.14	167.19	166.89	166.80	166.79	166.80	
14	166.72	167.35	166.99	169.61	169.33	170.07	170.89	167.16	166.89	166.80	166.77	166.79	
15	166.72	167.80	167.01	170.27	169.40	170.22	170.63	167.14	166.88	166.80	166.78	166.78	
16	166.71	168.37	167.16	170.53	169.28	170.07	170.30	167.11	166.88	166.79	166.76	166.78	
17	166.71	168.48	167.43	170.72	169.02	169.87	169.91	167.09	166.88	166.78	166.76	166.75	
18	166.70	168.34	167.77	170.82	168.68	169.64	169.47	167.08	166.89	166.78	166.75	166.77	
19	166.70	167.96	167.67	170.75	168.42	169.10	169.19	167.06	166.89	166.81	166.76	166.77	
20	166.70	167.59	167.44	170.48	168.45	168.56	169.41	167.05	166.89	166.81	166.75	166.76	
21	166.69	167.34	167.23	170.29	169.30	168.19	169.23	167.06	166.88	166.83	166.73	166.75	
22	166.69	167.29	167.08	170.56	170.40	167.96	168.48	167.06	166.89	166.84	166.73	166.75	
23	166.69	167.28	166.98	170.61	170.76	167.81	168.02	167.05	166.96	166.85	166.74	166.75	
24	166.69	167.26	166.95	170.68	170.95	167.78	167.83	167.07	166.97	166.88	166.77	166.73	
25	166.69	167.25	166.93	170.82	171.13	167.98	167.76	167.10	166.98	166.89	166.84	166.80	
26	166.68	167.62	166.90	170.94	171.24	168.97	167.72	167.16	167.00	166.88	166.86	166.89	
27	166.67	167.59	166.88	170.98	171.34	170.22	167.80	167.19	167.02	166.89	166.90	166.84	
28	166.67	167.37	166.92	170.84	171.39	170.70	168.03	167.19	167.04	166.89	166.91	166.85	
29	166.66	167.31	166.97	170.50	171.37	170.93	167.71	167.16	167.05	166.90		166.91	
30	166.66	167.51	166.96	169.97	171.33	171.01	167.53	167.12	167.00	166.88		166.87	
31		167.74		170.04	171.23		167.45		166.94	166.87		166.86	
Mean	166.72	167.55	167.64	169.20	169.68	169.70	169.84	167.18	166.95	166.84	166.81	166.83	
Max	166.78	168.48	169.99	170.98	171.39	171.07	171.56	167.39	167.07	166.92	166.91	166.91	171.56
Min	166.66	166.70	166.88	166.92	168.24	167.78	167.45	167.05	166.88	166.78	166.73	166.73	166.66
Annual Max Momentary Gage Height	171.57	m. (MSL.) ,		at 24.00 Hours , on Oct 7, 2022									
Zero Gage at Bottom Elevation	166.50	m. (MSL.) ,		River Bed		166.69	m. (MSL.)						
Left Bank Elevation	172.70	m. (MSL.) ,											
Right Bank Elevation	172.26	m. (MSL.) ,		Drainage Are		1,402	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.18	0.10	3.50	0.34	17.80	47.88	48.52	2.06	0.78	0.34	0.25	0.32	
2	0.18	0.25	3.30	0.44	14.11	40.10	54.92	1.94	0.66	0.30	0.23	0.30	
3	0.17	0.50	3.98	0.40	10.28	36.51	61.32	1.82	0.54	0.29	0.22	0.28	
4	0.17	1.10	7.74	0.44	7.20	35.06	68.36	1.78	0.50	0.28	0.23	0.28	
5	0.17	1.70	13.86	0.46	8.10	33.03	73.60	1.66	0.48	0.25	0.24	0.28	
6	0.16	2.30	19.20	0.48	12.48	30.44	77.05	1.66	0.44	0.21	0.26	0.28	
7	0.16	2.90	16.30	0.74	13.52	23.30	85.10	1.58	0.42	0.20	0.26	0.30	
8	0.15	3.50	11.03	1.34	14.45	14.54	87.40	1.54	0.40	0.20	0.25	0.28	
9	0.15	4.10	6.39	1.82	13.69	9.98	83.95	1.50	0.36	0.21	0.26	0.28	
10	0.14	4.82	3.66	3.22	8.76	9.60	78.20	1.38	0.34	0.20	0.25	0.25	
11	0.14	3.90	2.22	4.88	6.17	14.71	70.15	1.34	0.32	0.19	0.25	0.23	
12	0.13	3.10	1.30	4.88	5.80	19.90	63.88	1.34	0.30	0.20	0.22	0.21	
13	0.13	2.18	0.78	6.88	8.82	20.50	52.36	1.26	0.29	0.20	0.19	0.20	
14	0.12	1.90	0.48	15.40	13.04	20.35	39.77	1.14	0.29	0.20	0.17	0.19	
15	0.12	3.70	0.54	23.66	13.60	22.76	31.87	1.06	0.28	0.20	0.18	0.18	
16	0.11	6.50	1.14	29.04	12.64	20.35	24.20	0.94	0.28	0.19	0.16	0.18	
17	0.11	7.09	2.22	34.48	10.65	18.00	18.40	0.86	0.28	0.18	0.16	0.15	
18	0.10	6.34	3.58	37.46	8.28	15.70	14.20	0.82	0.29	0.18	0.15	0.17	
19	0.10	4.34	3.18	35.35	6.77	11.25	11.93	0.74	0.29	0.21	0.16	0.17	
20	0.10	2.86	2.26	27.76	6.93	7.56	13.69	0.70	0.29	0.21	0.15	0.16	
21	0.09	1.86	1.42	24.02	12.80	5.53	12.24	0.74	0.28	0.23	0.13	0.15	
22	0.09	1.66	0.82	29.88	26.00	4.34	7.09	0.74	0.29	0.24	0.13	0.15	
23	0.09	1.62	0.46	31.29	35.64	3.74	4.61	0.70	0.42	0.25	0.14	0.15	
24	0.09	1.54	0.40	33.32	41.75	3.62	3.82	0.78	0.44	0.28	0.17	0.13	
25	0.09	1.50	0.36	37.46	51.72	4.42	3.54	0.90	0.46	0.29	0.24	0.20	
26	0.08	2.98	0.30	41.42	58.76	10.28	3.38	1.14	0.50	0.28	0.26	0.29	
27	0.07	2.86	0.28	42.74	65.16	22.76	3.70	1.26	0.58	0.29	0.30	0.24	
28	0.07	1.98	0.34	38.12	68.36	33.90	4.66	1.26	0.66	0.29	0.32	0.25	
29	0.06	1.74	0.44	28.20	67.08	41.09	3.34	1.14	0.70	0.30		0.32	
30	0.06	2.54	0.42	19.00	64.52	44.04	2.62	0.98	0.50	0.28		0.27	
31		3.46		19.90	58.12		2.30		0.38	0.27		0.26	
Total	3.58	86.92	111.90	574.82	763.00	625.24	1110.17	36.76	13.04	7.44	5.93	7.10	3345.90 CMSDAY
Mean	0.12	2.80	3.73	18.54	24.61	20.84	35.81	1.23	0.42	0.24	0.21	0.23	9.17 CMS
Max	0.18	7.09	19.20	42.74	68.36	47.88	87.40	2.06	0.78	0.34	0.32	0.32	87.40 CMS
Min	0.06	0.10	0.28	0.34	5.80	3.62	2.30	0.70	0.28	0.18	0.13	0.13	0.06 CMS
Runoff	0.31	7.51	9.67	49.66	65.92	54.02	95.92	3.18	1.13	0.64	0.51	0.61	289.09 MCM
Momentary Peak	88.55 CMS. at 171.57 m. (MSL.) at 24.00 Hours , on Oct 7, 2022												
Runoff Yield	6.54	Liters/Second/Square KM.		Momentary Peak Yield		63.16	Liters/Second/Square KM.						

WATER YEAR : 2022**KHONG RIVER BASIN****Nam Puan at Ban Pha Noi , Loei (Kh.105)**

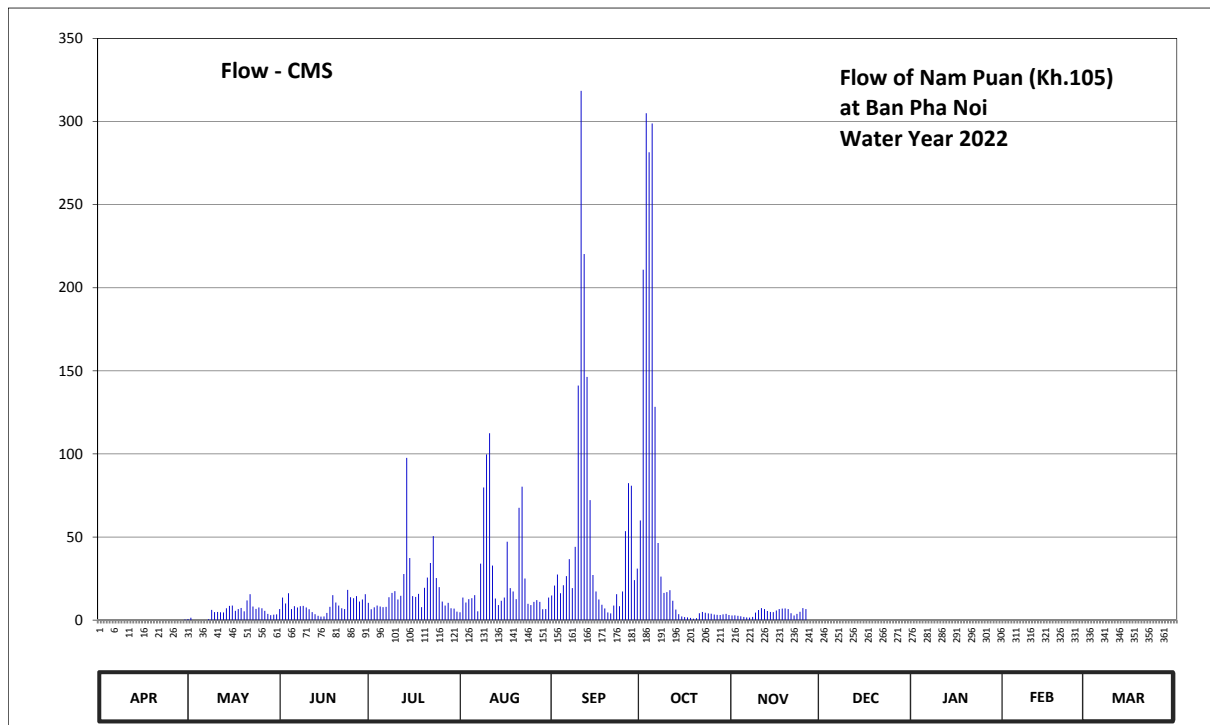
Lat 17 - 21 - 43 N Long 101 - 49 - 47 E

Location : on right bank at the bridge on highway.

	Ban	Pha Noi	Amphoe	Wang Saphung	Changwat	Loei
Drainge Area	878	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+247.500 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On right bank at the footpath of the bridge.				Elevation	+258.341 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.					
Period of Available Gage Records	2006 to date					
Rating Operation						
Period of Rating	2006 to date					
Rated by Float	-					
Rated by Current Meter	2006 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 27 discharge measurements made in 2022.					

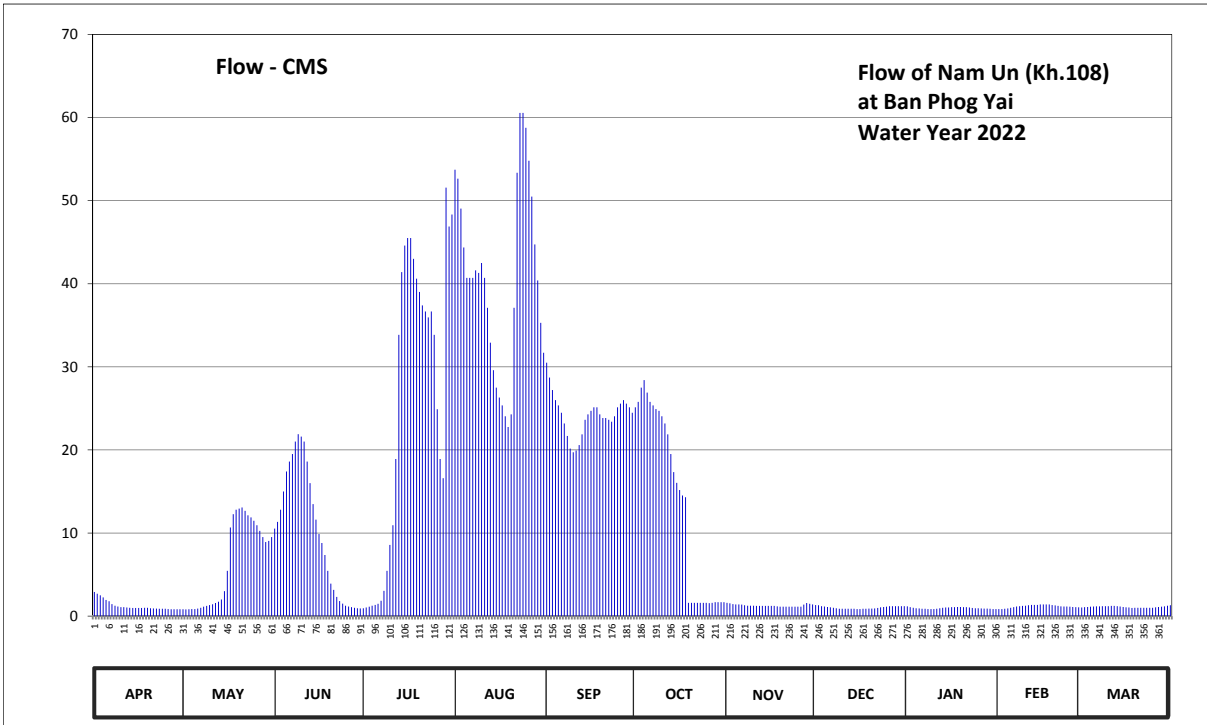
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	250.67	250.33	251.06	251.32	250.87	251.54	252.92	250.68	250.72	250.90	250.27	249.80	
2	250.67	250.48	251.48	251.05	251.48	251.84	255.60	250.69	250.62	250.87	250.24	249.79	
3	250.66	250.18	251.30	251.17	251.33	252.08	257.00	250.66	250.79	250.84	250.22	249.77	
4	250.65	250.13	251.61	251.24	251.43	251.61	256.66	250.63	250.84	250.83	250.20	249.76	
5	250.61	250.15	251.06	251.21	251.46	251.85	256.91	250.58	250.82	250.83	250.20	249.76	
6	250.59	250.11	251.22	251.18	251.55	252.05	254.23	250.53	250.77	250.86	250.19	249.74	
7	250.55	250.05	251.16	251.20	250.93	252.37	252.63	250.51	250.70	250.88	250.16	249.72	
8	250.49	250.32	251.22	251.49	252.30	251.76	252.04	250.59	250.64	250.88	250.13	249.71	
9	250.39	251.02	251.23	251.62	253.31	252.57	251.62	250.85	250.77	250.89	250.11	249.69	
10	250.31	250.88	251.16	251.67	253.70	254.45	251.64	251.01	250.91	250.91	250.08	249.68	
11	250.23	250.89	251.05	251.42	253.95	257.18	251.70	251.12	251.01	250.93	250.06	249.68	
12	250.17	250.87	250.88	251.53	252.26	255.75	251.38	251.06	251.08	250.95	250.04	249.68	
13	250.12	250.86	250.76	252.09	251.45	254.54	251.03	250.95	251.08	250.96	250.03	249.67	
14	250.07	251.11	250.66	253.66	251.25	253.16	250.76	250.89	251.07	250.95	250.01	249.67	
15	250.03	251.23	250.61	252.39	251.38	252.07	250.62	250.88	251.04	250.92	250.00	249.65	
16	249.98	251.24	250.62	251.52	251.48	251.66	250.56	250.98	251.03	250.90	249.98	249.63	
17	249.95	250.96	250.83	251.50	252.65	251.42	250.52	251.06	251.03	250.84	249.96	249.61	
18	249.95	251.06	251.20	251.59	251.76	251.26	250.47	251.09	250.98	250.79	249.94	249.59	
19	250.17	251.13	251.55	251.18	251.66	251.10	250.38	251.10	250.94	250.73	249.92	249.58	
20	250.50	250.93	251.33	251.77	251.43	250.86	250.43	251.06	250.91	250.70	249.90	249.58	
21	251.06	251.39	251.24	252.02	253.07	250.80	250.81	250.81	250.90	250.66	249.88	249.58	
22	250.43	251.58	251.11	252.31	253.32	251.24	250.89	250.68	250.89	250.63	249.86	249.57	
23	250.15	251.21	251.06	252.73	252.00	251.58	250.84	250.77	250.92	250.59	249.85	249.56	
24	250.04	251.07	251.71	252.01	251.29	251.22	250.80	250.90	250.95	250.55	249.85	249.54	
25	250.00	251.16	251.49	251.79	251.25	251.66	250.78	251.12	250.94	250.51	249.84	249.50	
26	250.10	251.11	251.46	251.36	251.35	252.79	250.74	251.06	250.95	250.46	249.83	249.47	
27	250.11	250.96	251.52	251.24	251.40	253.36	250.72	251.05	250.97	250.42	249.82	249.45	
28	250.14	250.77	251.36	251.32	251.35	253.33	250.71	251.01	250.98	250.38	249.81	249.43	
29	250.20	250.70	251.42	251.11	251.05	251.97	250.75	250.93	250.95	250.35		249.42	
30	250.27	250.73	251.58	251.09	251.06	252.20	250.77	250.87	250.92	250.32		249.41	
31		250.75		250.91	251.48		250.71		250.90	250.29		249.40	
Mean	250.31	250.82	251.20	251.60	251.81	252.38	251.86	250.87	250.90	250.73	250.01	249.62	
Max	251.06	251.58	251.71	253.66	253.95	257.18	257.00	251.12	251.08	250.96	250.27	249.80	257.18
Min	249.95	250.05	250.61	250.91	250.87	250.80	250.38	250.51	250.62	250.29	249.81	249.40	249.40
Annual Max Momentary Gage Height	257.57		m. (MSL.) ,			at 08.00 Hours ,	on Sep 11, 2022						
Zero Gage at Bottom Elevation	247.50		m. (MSL.) ,			River Bed	247.46	m. (MSL.)					
Left Bank Elevation		258.32		m. (MSL.) ,									
Right Bank Elevation		258.30		m. (MSL.) ,		Drainage Are	878	Square Kilometers					



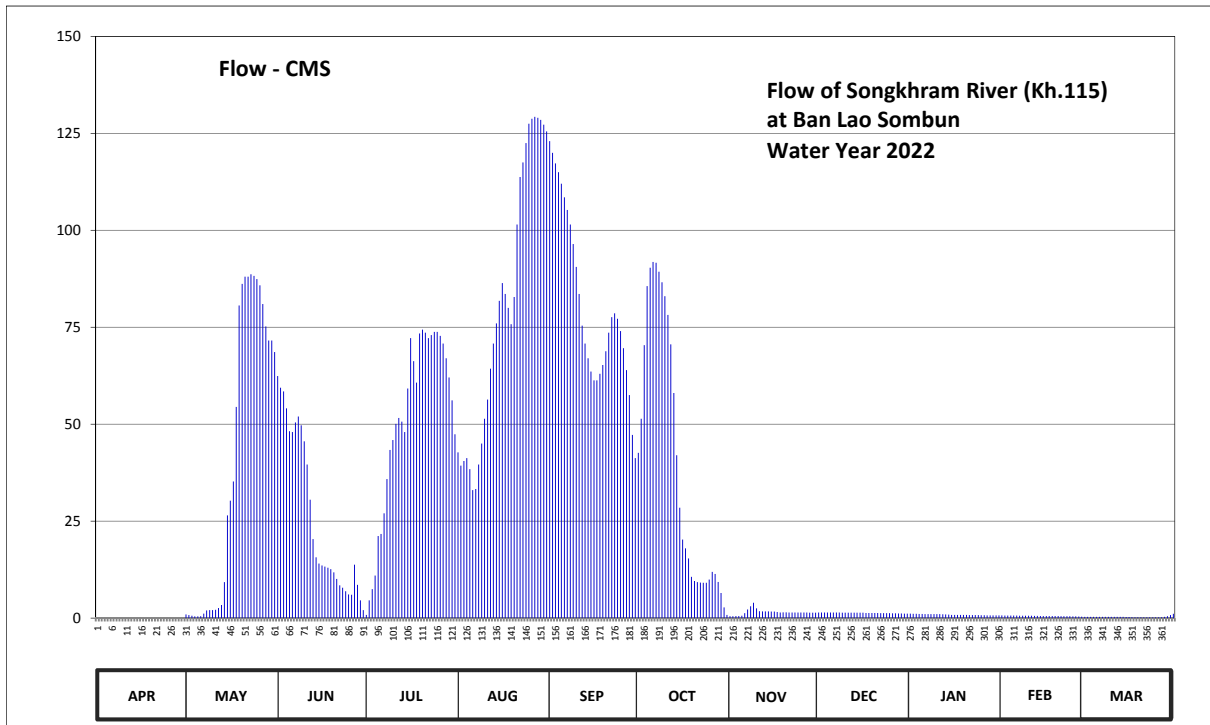
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.65	6.60	10.40	4.70	14.80	60.00	2.80	0.00	0.00	0.00	0.00	
2	0.00	1.40	13.60	6.50	13.60	20.80	210.80	2.90	0.00	0.00	0.00	0.00	
3	0.00	0.00	10.00	7.70	10.60	27.40	305.00	2.60	0.00	0.00	0.00	0.00	
4	0.00	0.00	16.20	8.80	12.60	16.20	281.54	2.30	0.00	0.00	0.00	0.00	
5	0.00	0.00	6.60	8.20	13.20	21.00	298.79	1.90	0.00	0.00	0.00	0.00	
6	0.00	0.00	8.40	7.80	15.00	26.50	128.34	1.65	0.00	0.00	0.00	0.00	
7	0.00	0.00	7.60	8.00	5.30	36.63	46.38	1.55	0.00	0.00	0.00	0.00	
8	0.00	0.60	8.40	13.80	34.00	19.20	26.20	1.95	0.00	0.00	0.00	0.00	
9	0.00	6.20	8.60	16.40	79.81	44.13	16.40	4.50	0.00	0.00	0.00	0.00	
10	0.00	4.80	7.60	17.40	99.70	141.10	16.80	6.10	0.00	0.00	0.00	0.00	
11	0.00	4.90	6.50	12.40	112.45	318.50	18.00	7.20	0.00	0.00	0.00	0.00	
12	0.00	4.70	4.80	14.60	32.80	220.25	11.60	6.60	0.00	0.00	0.00	0.00	
13	0.00	4.60	3.60	27.70	13.00	146.32	6.30	5.50	0.00	0.00	0.00	0.00	
14	0.00	7.10	2.60	97.66	9.00	72.16	3.60	4.90	0.00	0.00	0.00	0.00	
15	0.00	8.60	2.10	37.38	11.60	27.10	2.20	4.80	0.00	0.00	0.00	0.00	
16	0.00	8.80	2.20	14.40	13.60	17.20	1.80	5.80	0.00	0.00	0.00	0.00	
17	0.00	5.60	4.30	14.00	47.13	12.40	1.60	6.60	0.00	0.00	0.00	0.00	
18	0.00	6.60	8.00	15.80	19.20	9.20	1.35	6.90	0.00	0.00	0.00	0.00	
19	0.00	7.30	15.00	7.80	17.20	7.00	0.90	7.00	0.00	0.00	0.00	0.00	
20	0.00	5.30	10.60	19.40	12.60	4.60	1.15	6.60	0.00	0.00	0.00	0.00	
21	0.00	11.80	8.80	25.60	67.57	4.00	4.10	4.10	0.00	0.00	0.00	0.00	
22	0.00	15.60	7.10	34.38	80.32	8.80	4.90	2.80	0.00	0.00	0.00	0.00	
23	0.00	8.20	6.60	50.50	25.00	15.60	4.40	3.70	0.00	0.00	0.00	0.00	
24	0.00	6.70	18.20	25.30	9.80	8.40	4.00	5.00	0.00	0.00	0.00	0.00	
25	0.00	7.60	13.80	19.80	9.00	17.20	3.80	7.20	0.00	0.00	0.00	0.00	
26	0.00	7.10	13.20	11.20	11.00	53.50	3.40	6.60	0.00	0.00	0.00	0.00	
27	0.00	5.60	14.40	8.80	12.00	82.36	3.20	0.00	0.00	0.00	0.00	0.00	
28	0.00	3.70	11.20	10.40	11.00	80.83	3.10	0.00	0.00	0.00	0.00	0.00	
29	0.00	3.00	12.40	7.10	6.50	24.10	3.50	0.00	0.00	0.00	0.00	0.00	
30	0.35	3.30	15.60	6.90	6.60	31.00	3.70	0.00	0.00	0.00		0.00	
31		3.50		5.10	13.60		3.10		0.00	0.00		0.00	
Total	0.35	153.25	274.60	571.22	829.48	1528.28	1479.95	119.55	0.00	0.00	0.00	0.00	4956.68 CMSDAY
Mean	0.01	4.94	9.15	18.43	26.76	50.94	47.74	3.98	0.00	0.00	0.00	0.00	13.58 CMS
Max	0.35	15.60	18.20	97.66	112.45	318.50	305.00	7.20	0.00	0.00	0.00	0.00	318.50 CMS
Min	0.00	0.00	2.10	5.10	4.70	4.00	0.90	0.00	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.03	13.24	23.73	49.35	71.67	132.04	127.87	10.33	0.00	0.00	0.00	0.00	428.26 MCM
Momentary Peak Runoff Yield	347.75	15.47	CMS. at 257.57 m. (MSL.)	at 257.57 m. (MSL.)	08.00 Hours	on Sep 11, 2022							
			Liters/Second/Square KM.		Momentary Peak Yield	396.07							Liters/Second/Square KM.



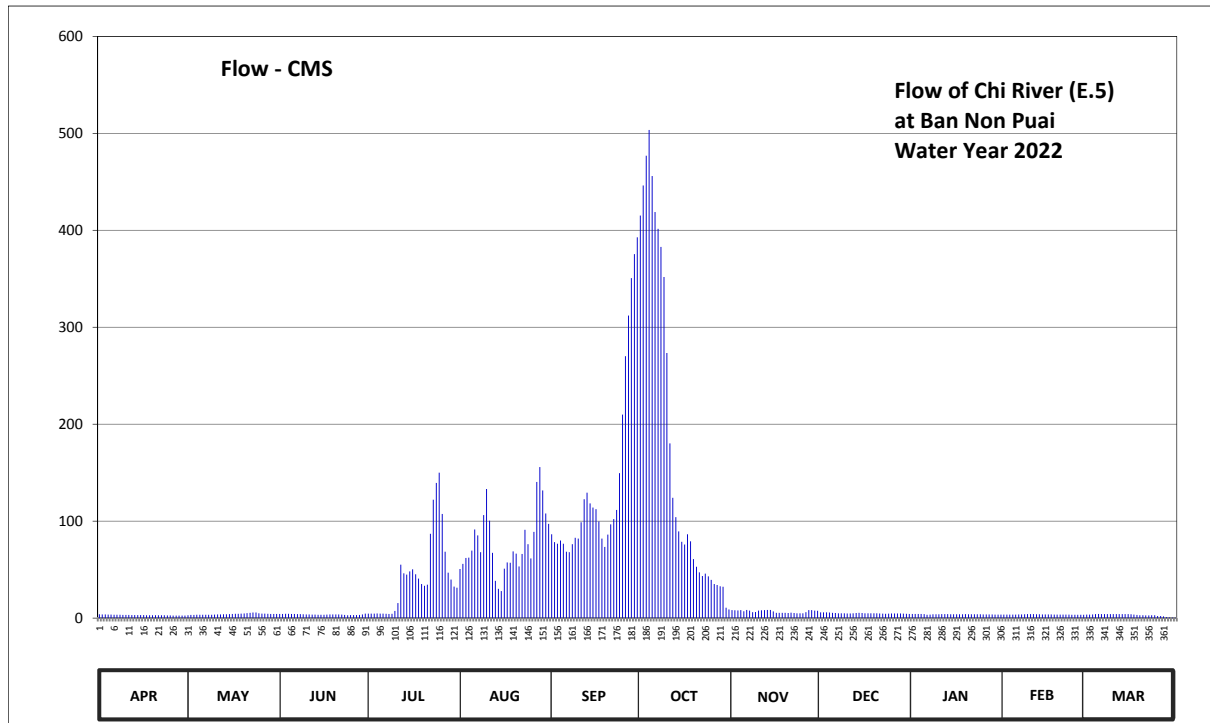
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.90	0.83	10.53	0.95	53.72	30.50	25.13	1.60	1.33	1.18	0.85	1.03		
2	2.70	0.80	11.33	1.03	52.64	28.70	25.78	1.53	1.30	1.08	0.85	1.08		
3	2.50	0.83	12.80	1.13	49.04	27.20	27.50	1.45	1.20	1.00	0.88	1.10		
4	2.25	0.85	15.00	1.25	44.36	26.00	28.40	1.40	1.15	0.95	0.93	1.13		
5	1.95	0.85	17.40	1.35	40.70	25.35	26.90	1.40	1.10	0.93	1.00	1.15		
6	1.78	0.90	18.60	1.48	40.70	24.48	25.78	1.38	1.05	0.88	1.08	1.18		
7	1.45	1.00	19.50	1.85	40.70	23.18	25.35	1.30	1.00	0.88	1.15	1.18		
8	1.25	1.13	21.00	3.05	41.60	21.67	24.92	1.25	0.95	0.85	1.20	1.20		
9	1.15	1.23	21.90	5.44	41.30	20.15	24.70	1.25	0.88	0.85	1.23	1.20		
10	1.08	1.33	21.60	8.56	42.50	19.72	24.05	1.25	0.88	0.85	1.25	1.20		
11	1.08	1.43	21.00	10.93	40.70	19.93	23.18	1.23	0.88	0.88	1.30	1.23		
12	1.03	1.58	18.60	18.90	37.10	20.58	21.88	1.23	0.88	0.95	1.35	1.23		
13	1.00	1.73	16.00	33.85	32.90	21.88	19.50	1.23	0.88	1.00	1.35	1.20		
14	0.98	2.00	13.47	41.40	29.60	23.62	17.33	1.23	0.88	1.03	1.35	1.15		
15	0.98	3.00	11.60	44.60	27.50	24.27	16.03	1.23	0.85	1.03	1.40	1.10		
16	0.98	5.44	9.88	45.50	26.30	24.70	15.17	1.23	0.85	1.08	1.40	1.05		
17	0.98	10.67	8.80	45.50	25.35	25.13	14.52	1.23	0.88	1.08	1.40	1.03		
18	1.00	12.27	7.36	43.00	24.05	25.13	14.30	1.18	0.88	1.10	1.40	0.98		
19	1.00	12.80	5.44	40.60	22.75	24.27	1.60	1.13	0.90	1.10	1.33	1.00		
20	0.95	12.93	3.90	39.00	24.27	23.83	1.60	1.13	0.90	1.08	1.28	1.00		
21	0.93	13.07	3.15	37.40	37.10	23.83	1.60	1.13	0.93	1.08	1.23	1.00		
22	0.90	12.67	2.30	36.65	53.36	23.62	1.60	1.13	0.98	1.03	1.18	1.00		
23	0.88	12.13	1.80	35.95	60.56	23.40	1.60	1.13	1.05	0.98	1.15	1.00		
24	0.88	11.87	1.50	36.65	60.56	24.05	1.60	1.13	1.10	0.95	1.15	1.00		
25	0.88	11.47	1.25	33.85	58.76	25.13	1.60	1.13	1.13	0.95	1.13	1.00		
26	0.85	10.93	1.15	24.90	54.80	25.57	1.55	1.13	1.20	0.93	1.10	1.05		
27	0.83	10.27	1.08	18.90	50.48	26.00	1.60	1.38	1.20	0.90	1.08	1.10		
28	0.83	9.52	1.00	16.60	44.72	25.57	1.68	1.58	1.20	0.90	1.05	1.13		
29	0.83	8.92	0.95	51.56	40.40	25.13	1.68	1.48	1.20	0.88		1.18		
30	0.83	9.04	0.93	46.88	35.30	24.48	1.68	1.40	1.20	0.85		1.25		
31		9.52		48.32	31.70		1.68		1.20	0.85		1.30		
Total	37.63	193.01	300.82	777.03	1265.52	727.07	421.49	38.48	32.01	30.08	33.05	34.43	3890.62	CMSDAY
Mean	1.25	6.23	10.03	25.07	40.82	24.24	13.60	1.28	1.03	0.97	1.18	1.11	10.66	CMS
Max	2.90	13.07	21.90	51.56	60.56	30.50	28.40	1.60	1.33	1.18	1.40	1.30	60.56	CMS
Min	0.83	0.80	0.93	0.95	22.75	19.72	1.55	1.13	0.85	0.85	0.85	0.98	0.80	CMS
Runoff	3.25	16.68	25.99	67.14	109.34	62.82	36.42	3.32	2.77	2.60	2.86	2.97	336.15	MCM
Momentary Peak	CMS. at 155.47 m. (MSL.) at 01.00 Hours , on Aug 24, 2022													
Runoff Yield	4.91	Liters/Second/Square KM.				Momentary Peak Yield		28.09	Liters/Second/Square KM.					



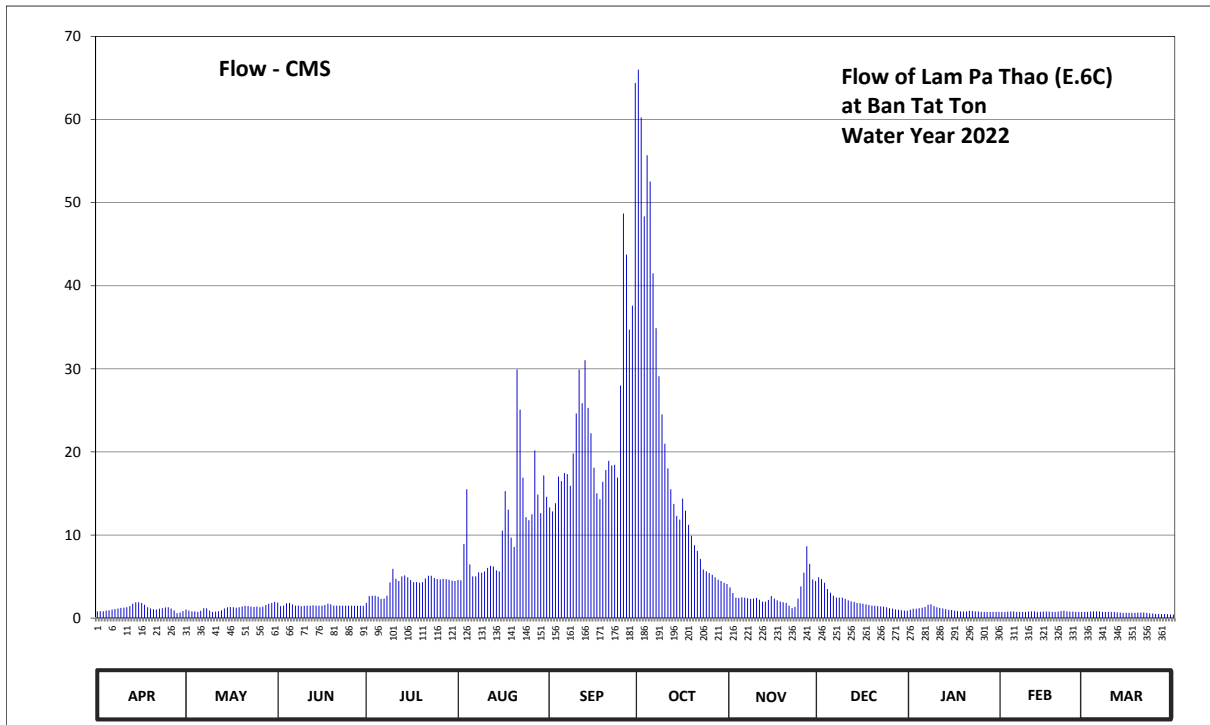
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.96	62.44	0.83	42.75	123.00	42.60	0.50	1.46	1.17	0.71	0.33		
2	0.00	0.79	59.40	4.57	39.30	120.00	51.42	0.50	1.46	1.13	0.67	0.33		
3	0.00	0.63	58.45	7.48	40.50	117.25	70.40	0.54	1.46	1.13	0.67	0.33		
4	0.00	0.46	54.08	10.96	41.25	115.00	85.60	0.54	1.46	1.08	0.67	0.33		
5	0.00	0.46	48.19	21.17	38.40	112.00	90.36	0.63	1.46	1.08	0.67	0.33		
6	0.00	0.50	48.00	21.69	33.00	108.50	91.83	1.29	1.46	1.04	0.67	0.33		
7	0.00	1.17	50.47	27.02	33.30	105.27	91.62	2.21	1.46	1.04	0.63	0.33		
8	0.00	1.96	51.99	35.85	39.60	101.49	89.31	3.04	1.46	1.04	0.63	0.33		
9	0.00	2.04	49.71	43.35	45.00	96.45	86.60	3.94	1.42	1.04	0.63	0.33		
10	0.00	2.04	45.60	45.90	51.42	90.57	83.00	2.50	1.42	1.04	0.63	0.33		
11	0.00	2.13	39.60	50.09	56.36	83.60	78.20	1.79	1.42	1.04	0.63	0.33		
12	0.00	2.59	30.53	51.61	64.34	75.40	70.60	1.75	1.42	1.00	0.58	0.33		
13	0.00	3.36	20.39	50.66	70.80	70.80	58.07	1.75	1.38	0.96	0.58	0.33		
14	0.00	9.28	15.66	48.00	76.00	67.00	42.00	1.71	1.38	0.92	0.54	0.33		
15	0.00	26.50	14.05	59.21	81.80	63.58	28.45	1.67	1.38	0.83	0.54	0.29		
16	0.00	30.27	13.56	72.20	86.40	61.30	20.26	1.67	1.38	0.83	0.54	0.29		
17	0.00	35.25	13.28	66.24	83.60	61.30	17.97	1.58	1.33	0.83	0.54	0.25		
18	0.00	54.46	13.00	60.73	80.00	63.01	15.38	1.46	1.33	0.83	0.54	0.21		
19	0.00	80.60	12.64	73.40	75.80	65.29	10.66	1.50	1.33	0.83	0.54	0.21		
20	0.00	86.20	11.80	74.40	82.80	68.80	9.58	1.50	1.33	0.83	0.54	0.21		
21	0.00	88.05	10.12	73.60	101.49	73.60	9.28	1.46	1.33	0.79	0.50	0.21		
22	0.00	88.05	8.44	72.20	113.75	77.60	9.16	1.46	1.29	0.79	0.50	0.21		
23	0.00	88.68	7.84	73.00	117.50	78.60	9.10	1.46	1.29	0.79	0.50	0.21		
24	0.00	88.26	6.91	73.80	122.50	77.20	9.10	1.46	1.29	0.79	0.50	0.21		
25	0.00	87.42	6.10	73.80	127.50	74.00	9.94	1.46	1.29	0.75	0.46	0.21		
26	0.00	85.80	6.01	72.80	128.75	69.60	11.92	1.46	1.25	0.75	0.46	0.21		
27	0.00	81.00	13.77	70.80	129.25	63.96	11.38	1.46	1.25	0.71	0.42	0.21		
28	0.00	75.20	8.56	67.00	129.00	57.50	9.34	1.42	1.21	0.71	0.38	0.33		
29	0.00	71.60	4.57	62.06	128.50	47.25	6.46	1.42	1.21	0.71		0.50		
30	0.00	71.60	2.08	56.17	127.25	41.25	2.77	1.42	1.17	0.71		0.79		
31		68.60		47.40	125.50		0.83		1.17	0.71		1.13		
Total	0.00	1235.91	787.24	1567.99	2513.41	2430.17	1223.19	46.55	41.95	27.90	15.87	10.30	9900.48	CMSDAY
Mean	0.00	39.87	26.24	50.58	81.08	81.01	39.46	1.55	1.35	0.90	0.57	0.33	27.12	CMS
Max	0.00	88.68	62.44	74.40	129.25	123.00	91.83	3.94	1.46	1.17	0.71	1.13	129.25	CMS
Min	0.00	0.46	2.08	0.83	33.00	41.25	0.83	0.50	1.17	0.71	0.38	0.21	0.00	CMS
Runoff	0.00	106.78	68.02	135.47	217.16	209.97	105.68	4.02	3.62	2.41	1.37	0.89	855.40	MCM
Momentary Peak	129.25	CMS. at 152.85 m. (MSL.) at 06.00 Hours , on Aug 27, 2022												
Runoff Yield	9.53	Liters/Second/Square KM.				Momentary Peak Yield			45.41	Liters/Second/Square KM.				



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.96	2.96	4.32	4.60	50.60	86.53	415.16	8.24	6.00	4.32	3.64	3.60		
2	3.84	3.28	4.32	4.60	55.90	78.33	446.20	8.08	6.00	4.32	3.64	3.60		
3	3.72	3.32	4.44	4.68	61.98	76.69	477.00	7.92	6.00	4.32	3.64	3.84		
4	3.60	3.40	4.40	4.76	62.36	79.97	503.60	8.24	5.80	4.32	3.64	4.12		
5	3.56	3.40	4.32	4.68	69.58	76.69	456.00	7.12	5.40	4.04	3.68	4.20		
6	3.40	3.40	4.20	4.60	91.45	68.44	418.88	8.40	5.20	3.44	3.72	4.16		
7	3.40	3.40	4.12	4.48	85.30	68.06	401.52	7.76	5.00	3.64	3.76	4.12		
8	3.40	3.40	4.08	4.36	68.06	76.28	382.92	6.16	4.92	4.00	3.88	4.16		
9	3.36	3.48	3.96	4.44	106.21	82.84	351.80	6.32	4.88	4.00	4.08	4.16		
10	3.24	3.60	3.84	7.44	133.20	82.02	273.40	7.76	4.84	4.00	4.08	4.16		
11	3.24	3.72	3.76	15.50	100.47	98.83	180.20	8.08	4.84	4.16	4.04	4.16		
12	3.20	3.80	3.64	55.14	67.30	122.64	124.08	8.24	4.96	4.16	3.92	4.16		
13	3.20	3.88	3.56	46.18	38.36	129.36	104.16	8.40	5.20	4.08	3.88	4.16		
14	3.16	4.00	3.48	44.82	30.24	118.32	89.40	8.40	5.40	4.00	3.72	4.12		
15	3.08	4.12	3.48	48.22	27.90	114.00	78.74	6.96	5.30	4.00	3.72	4.12		
16	3.08	4.28	3.48	50.26	50.94	112.36	75.87	5.40	4.96	4.00	3.72	4.00		
17	2.98	4.40	3.68	45.16	57.42	99.65	86.53	5.40	4.88	3.96	3.72	3.56		
18	2.93	4.48	3.84	40.74	57.04	82.02	79.15	5.50	4.96	4.00	3.64	3.28		
19	2.98	4.64	3.76	35.18	68.82	73.41	60.84	5.40	5.00	4.04	3.56	3.04		
20	3.00	4.84	3.72	33.36	66.54	86.12	52.98	5.30	4.92	3.96	3.56	2.93		
21	3.00	5.10	3.80	34.40	53.32	96.78	47.20	5.60	4.76	3.96	3.56	2.87		
22	2.96	5.40	3.64	86.94	66.16	102.11	43.46	5.20	4.60	3.96	3.56	2.85		
23	2.93	5.70	3.28	122.16	91.04	111.54	45.84	5.00	4.52	3.92	3.56	2.89		
24	2.87	5.80	3.04	139.44	76.28	149.52	43.12	4.96	4.60	3.88	3.48	2.89		
25	2.78	4.96	3.08	150.00	61.60	209.84	39.38	4.96	4.72	3.84	3.48	2.19		
26	2.69	4.60	3.12	107.44	88.99	270.10	35.18	6.16	4.80	3.84	3.44	2.12		
27	2.65	4.56	3.16	68.44	140.40	312.00	34.14	8.24	4.84	3.76	3.40	1.77		
28	2.60	4.40	3.24	46.86	155.76	350.74	32.84	8.24	4.76	3.72	3.40	0.98		
29	2.56	4.28	3.72	39.72	131.76	375.48	32.32	7.76	4.64	3.68		0.68		
30	2.56	4.20	4.56	32.58	107.85	392.84	10.64	7.60	4.48	3.68		0.52		
31		4.20		31.28	97.19		8.88		4.36	3.68		0.34		
Total	93.93	129.00	113.04	1322.46	2420.02	4183.51	5431.43	206.80	155.54	122.68	103.12	97.75	14379.28	CMSDAY
Mean	3.13	4.16	3.77	42.66	78.07	139.45	175.21	6.89	5.02	3.96	3.68	3.15	39.40	CMS
Max	3.96	5.80	4.56	150.00	155.76	392.84	503.60	8.40	6.00	4.32	4.08	4.20	503.60	CMS
Min	2.56	2.96	3.04	4.36	27.90	68.06	8.88	4.96	4.36	3.44	3.40	0.34	0.34	CMS
Runoff	8.12	11.15	9.77	114.26	209.09	361.46	469.28	17.87	13.44	10.60	8.91	8.45	1242.37	MCM
Momentary Peak	509.20	CMS, at 196.03 m. (MSL.), at 14.00 Hours, on Oct 4, 2022												
Runoff Yield	9.33	Liters/Second/Square KM.			Momentary Peak Yield			120.63	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.80	1.03	1.86	1.82	4.58	13.33	66.00	3.70	4.90	1.00	0.75	0.75		
2	0.83	0.90	1.45	2.66	4.54	12.84	60.25	3.02	4.70	1.13	0.75	0.75		
3	0.83	0.80	1.50	2.70	8.92	13.82	48.35	2.46	4.26	1.13	0.78	0.78		
4	0.90	0.80	1.78	2.70	15.50	17.04	55.70	2.42	3.50	1.20	0.80	0.80		
5	0.95	0.75	1.82	2.58	6.46	16.48	52.55	2.50	3.06	1.25	0.80	0.80		
6	1.03	0.88	1.66	2.30	5.02	17.46	41.50	2.46	2.70	1.35	0.75	0.80		
7	1.10	1.20	1.50	2.34	5.02	17.32	34.88	2.38	2.46	1.62	0.75	0.75		
8	1.15	1.18	1.50	2.70	5.50	15.92	29.12	2.30	2.46	1.66	0.75	0.75		
9	1.23	0.90	1.45	4.30	5.46	19.81	24.51	2.34	2.46	1.45	0.75	0.75		
10	1.25	0.75	1.48	5.92	5.62	24.63	20.98	2.42	2.30	1.30	0.78	0.75		
11	1.30	0.78	1.50	4.74	6.04	29.92	18.02	2.22	2.14	1.23	0.80	0.73		
12	1.45	0.83	1.50	4.46	6.28	25.86	15.50	1.98	2.02	1.15	0.80	0.70		
13	1.74	0.95	1.54	5.02	6.22	31.04	13.75	1.98	1.94	1.08	0.75	0.68		
14	1.90	1.15	1.50	5.14	5.74	25.30	12.28	2.18	1.82	1.00	0.75	0.63		
15	1.90	1.30	1.50	4.90	5.62	22.24	11.86	2.66	1.78	0.98	0.78	0.63		
16	1.82	1.35	1.50	4.58	10.53	18.09	14.38	2.34	1.74	0.90	0.78	0.63		
17	1.62	1.30	1.58	4.34	15.29	15.01	12.91	2.14	1.66	0.85	0.78	0.63		
18	1.30	1.25	1.74	4.34	13.05	14.31	11.23	1.98	1.58	0.80	0.75	0.63		
19	1.15	1.30	1.66	4.26	9.69	16.41	9.90	1.90	1.50	0.78	0.75	0.65		
20	1.05	1.40	1.50	4.34	8.57	17.81	8.78	1.82	1.48	0.80	0.78	0.68		
21	1.03	1.48	1.50	4.78	29.92	18.93	8.08	1.50	1.45	0.88	0.85	0.68		
22	1.13	1.45	1.50	5.10	25.08	18.37	7.12	1.20	1.40	0.85	0.88	0.63		
23	1.20	1.38	1.50	5.10	16.90	18.44	5.86	1.35	1.38	0.80	0.80	0.58		
24	1.28	1.35	1.50	4.82	12.14	16.90	5.62	2.34	1.30	0.80	0.78	0.55		
25	1.30	1.38	1.50	4.70	11.79	28.00	5.42	3.82	1.20	0.75	0.78	0.50		
26	1.15	1.30	1.50	4.66	12.49	48.70	5.22	5.46	1.13	0.75	0.75	0.50		
27	0.93	1.38	1.48	4.74	20.17	43.75	4.90	8.64	1.03	0.75	0.75	0.48		
28	0.60	1.58	1.48	4.70	14.87	34.72	4.62	6.52	1.00	0.75	0.75	0.48		
29	0.68	1.74	1.48	4.62	12.63	37.60	4.46	4.66	0.95	0.75		0.48		
30	0.85	1.82	1.48	4.50	17.18	64.40	4.26	4.46	0.90	0.75		0.45		
31		1.94		4.46	14.59		4.10		0.88	0.75		0.43		
Total	35.45	37.60	46.44	128.32	341.41	714.45	622.11	87.15	63.08	31.24	21.72	20.03	2149.00	CMSDAY
Mean	1.18	1.21	1.55	4.14	11.01	23.82	20.07	2.90	2.03	1.01	0.78	0.65	5.89	CMS
Max	1.90	1.94	1.86	5.92	29.92	64.40	66.00	8.64	4.90	1.66	0.88	0.80	66.00	CMS
Min	0.60	0.75	1.45	1.82	4.54	12.84	4.10	1.20	0.88	0.75	0.75	0.43	0.43	CMS
Runoff	3.06	3.25	4.01	11.09	29.50	61.73	53.75	7.53	5.45	2.70	1.88	1.73	185.67	MCM
Momentary Peak	74.95	CMS, at 199.11 m. (MSL.), at 01.00 Hours, on Oct 1, 2022												
Runoff Yield	14.12	Liters/Second/Square KM.			Momentary Peak Yield			179.74	Liters/Second/Square KM.					

WATER YEAR : 2022**CHI RIVER BASIN****Chi River at Ban Chot , Khon Kaen (E.9)**

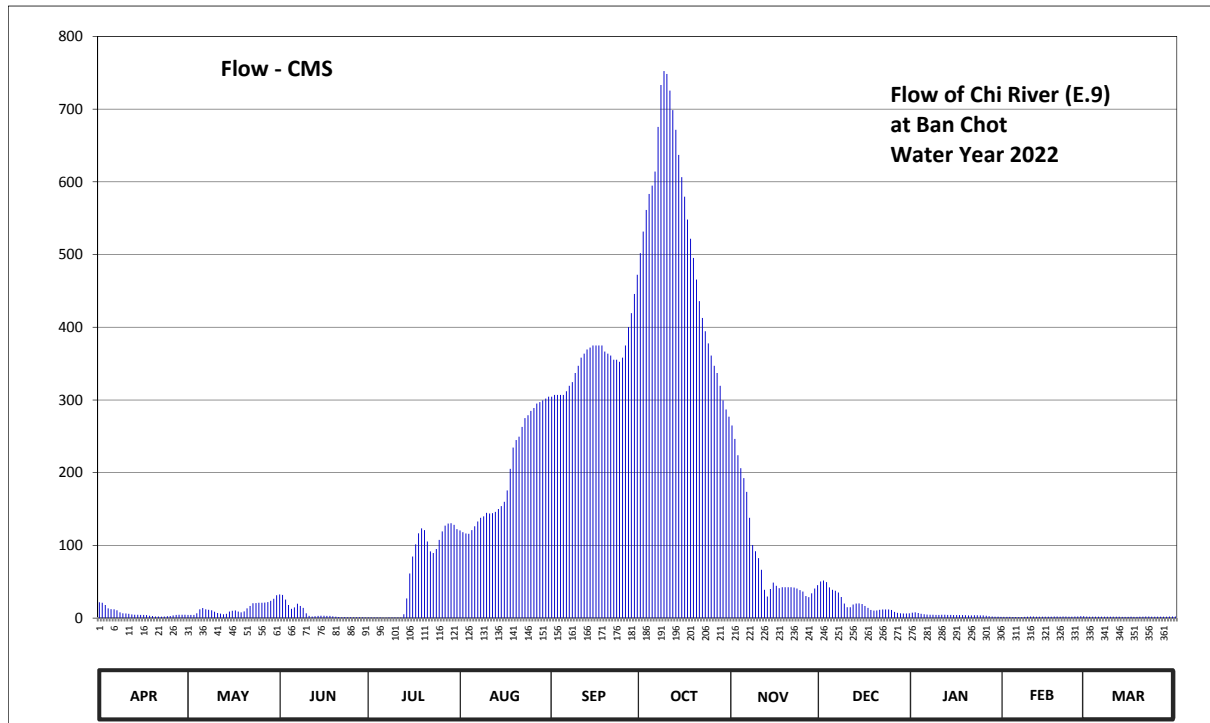
Lat 16 - 05 - 49 N Long 102 - 34 - 12 E

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

	Ban Chot	Amphoe Manchakhiri	Changwat Khon Kaen
Drainge Area	10,942 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+151.100 m. (MSL.)		
Bench Mark	B.M.- H.D.		
Location BM	On left bank about 25 meters from the top staff gage.	Elevation	+167.014 m. (MSL.)
Gage Reading Frequency	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 - 1973, 1986 - 1987, 1992 to date		
Rated by Float	-		
Rated by Current Meter	1967 - 1980, 1983 - 1987, 1992 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	Overbank flow starts at elevation +162.620 m.(MSL.) record are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 33 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	154.81	153.16	155.53	152.72	159.24	161.63	162.30	161.44	156.52	153.50	152.84	152.91	
2	154.75	153.16	155.49	152.71	159.17	161.64	162.39	161.33	156.58	153.54	152.84	152.88	
3	154.51	153.16	155.10	152.72	159.12	161.64	162.48	161.17	156.47	153.45	152.83	152.87	
4	154.12	153.39	154.51	152.72	159.11	161.64	162.54	160.99	156.11	153.33	152.82	152.88	
5	154.02	154.01	154.07	152.71	159.25	161.64	162.57	160.82	155.94	153.24	152.81	152.88	
6	154.00	154.16	154.23	152.70	159.40	161.66	162.62	160.51	155.85	153.21	152.80	152.88	
7	153.87	154.01	154.64	152.70	159.57	161.69	162.78	159.70	155.70	153.19	152.80	152.88	
8	153.55	153.94	154.39	152.72	159.70	161.71	162.93	158.64	155.32	153.18	152.83	152.88	
9	153.41	153.86	154.17	152.73	159.75	161.76	162.98	158.33	154.66	153.16	152.88	152.86	
10	153.37	153.65	153.40	152.73	159.87	161.80	162.97	157.94	154.25	153.16	152.90	152.86	
11	153.33	153.44	153.00	152.73	159.85	161.84	162.91	157.27	154.24	153.17	152.90	152.87	
12	153.22	153.35	152.89	152.73	159.86	161.86	162.84	155.93	154.56	153.17	152.88	152.86	
13	153.19	153.25	152.96	153.25	159.90	161.88	162.77	155.36	154.67	153.16	152.88	152.84	
14	153.17	153.33	153.01	155.19	160.00	161.89	162.68	156.00	154.69	153.15	152.87	152.84	
15	153.16	153.67	153.02	157.06	160.10	161.90	162.60	156.44	154.61	153.14	152.87	152.85	
16	153.16	153.79	153.02	158.03	160.24	161.90	162.53	156.22	154.39	153.13	152.88	152.86	
17	153.13	153.83	153.01	158.67	160.55	161.90	162.44	156.06	154.17	153.13	152.88	152.84	
18	153.04	153.66	153.00	159.13	160.98	161.90	162.36	156.12	153.91	153.12	152.89	152.85	
19	152.97	153.54	152.92	159.32	161.25	161.87	162.28	156.12	153.82	153.11	152.89	152.87	
20	152.91	153.69	152.88	159.25	161.32	161.86	162.19	156.12	153.83	153.09	152.88	152.88	
21	152.89	154.11	152.81	158.79	161.35	161.85	162.10	156.12	153.93	153.08	152.89	152.89	
22	152.88	154.40	152.77	158.32	161.43	161.83	162.03	156.10	153.99	153.11	152.89	152.89	
23	152.90	154.70	152.78	158.23	161.49	161.83	161.97	156.03	153.99	153.10	152.88	152.88	
24	152.94	154.73	152.76	158.46	161.51	161.82	161.91	155.90	153.99	153.09	152.88	152.87	
25	152.97	154.75	152.76	158.86	161.54	161.84	161.85	155.78	153.90	153.07	152.89	152.86	
26	153.07	154.76	152.76	159.20	161.56	161.90	161.80	155.40	153.63	153.04	152.91	152.87	
27	153.15	154.77	152.75	159.42	161.59	161.99	161.76	155.30	153.46	152.95	152.94	152.86	
28	153.17	154.83	152.75	159.50	161.60	162.05	161.69	155.63	153.40	152.90	152.94	152.86	
29	153.17	154.98	152.74	159.51	161.61	162.13	161.61	156.04	153.38	152.87		152.89	
30	153.17	155.16	152.73	159.45	161.62	162.21	161.55	156.27	153.37	152.86		152.90	
31		155.47		159.29	161.63		161.50		153.39	152.84		152.90	
Mean	153.40	154.02	153.43	156.18	160.49	161.84	162.32	157.37	154.54	153.14	152.87	152.87	
Max	154.81	155.47	155.53	159.51	161.63	162.21	162.98	161.44	156.58	153.54	152.94	152.91	162.98
Min	152.88	153.16	152.73	152.70	159.11	161.63	161.50	155.30	153.37	152.84	152.80	152.84	152.70
Annual Max Momentary Gage Height	162.99		m. (MSL.) ,			at 08.00 Hours, on Oct 9, 2022							
Zero Gage at Bottom Elevation		151.10	m. (MSL.) ,			River Bed	149.96	m. (MSL.)					
Left Bank Elevation		164.88	m. (MSL.) ,										
Right Bank Elevation		162.61	m. (MSL.) ,			Drainage Are	10,942	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	21.72	4.44	32.48	0.84	120.64	304.50	502.00	265.00	50.40	7.50	1.72	2.28		
2	21.00	4.44	31.84	0.77	118.12	307.00	531.70	246.50	51.60	7.86	1.72	2.04		
3	18.12	4.44	25.60	0.84	116.32	307.00	561.40	224.00	49.40	7.05	1.64	1.96		
4	13.44	6.51	18.12	0.84	115.96	307.00	583.36	206.20	42.20	5.97	1.56	2.04		
5	12.24	12.12	12.84	0.77	121.00	307.00	594.88	192.60	39.04	5.16	1.48	2.04		
6	12.00	13.92	14.76	0.70	126.40	312.00	614.08	173.50	37.60	4.89	1.40	2.04		
7	10.83	12.12	19.68	0.70	132.80	319.50	675.52	138.00	35.20	4.71	1.40	2.04		
8	7.95	11.46	16.68	0.84	138.00	324.50	733.12	100.48	29.12	4.62	1.64	2.04		
9	6.69	10.74	14.04	0.91	140.00	337.00	752.32	91.92	19.92	4.44	2.04	1.88		
10	6.33	8.85	6.60	0.91	144.80	347.00	748.48	82.56	15.00	4.44	2.20	1.88		
11	5.97	6.96	3.00	0.91	144.00	358.20	725.44	66.48	14.88	4.53	2.20	1.96		
12	4.98	6.15	2.12	0.91	144.40	363.80	698.56	38.88	18.72	4.53	2.04	1.88		
13	4.71	5.25	2.68	5.25	146.00	369.40	671.68	29.76	20.04	4.44	2.04	1.72		
14	4.53	5.97	3.09	27.04	150.00	372.20	637.12	40.00	20.28	4.35	1.96	1.72		
15	4.44	9.03	3.18	61.44	154.00	375.00	606.40	48.80	19.32	4.26	1.96	1.80		
16	4.44	10.11	3.18	84.72	160.00	375.00	579.52	44.40	16.68	4.17	2.04	1.88		
17	4.17	10.47	3.09	101.44	175.50	375.00	548.20	41.20	14.04	4.17	2.04	1.72		
18	3.36	8.94	3.00	116.68	205.40	375.00	521.80	42.40	11.19	4.08	2.12	1.80		
19	2.76	7.86	2.36	123.52	234.50	366.60	495.40	42.40	10.38	3.99	2.12	1.96		
20	2.28	9.21	2.04	121.00	245.00	363.80	465.70	42.40	10.47	3.81	2.04	2.04		
21	2.12	13.32	1.48	105.28	249.50	361.00	436.00	42.40	11.37	3.72	2.12	2.12		
22	2.04	16.80	1.19	91.68	263.00	355.40	412.90	42.00	11.91	3.99	2.12	2.12		
23	2.20	20.40	1.26	89.52	275.00	355.40	394.60	40.60	11.91	3.90	2.04	2.04		
24	2.52	20.76	1.12	95.04	279.00	352.60	377.80	38.40	11.91	3.81	2.04	1.96		
25	2.76	21.00	1.12	107.52	285.00	358.20	361.00	36.48	11.10	3.63	2.12	1.88		
26	3.63	21.12	1.12	119.20	289.00	375.00	347.00	30.40	8.67	3.36	2.28	1.96		
27	4.35	21.24	1.05	127.12	295.00	400.20	337.00	28.80	7.14	2.60	2.52	1.88		
28	4.53	21.96	1.05	130.00	297.00	419.50	319.50	34.08	6.60	2.20	2.52	1.88		
29	4.53	23.76	0.98	130.40	299.50	445.90	299.50	40.80	6.42	1.96		2.12		
30	4.53	26.56	0.91	128.20	302.00	472.30	287.00	45.40	6.33	1.88		2.20		
31		31.52		122.44	304.50		277.00		6.51	1.72		2.20		
Total	205.17	407.43	231.66	1897.43	6171.34	10762.00	16095.98	2536.84	625.35	131.74	55.12	61.08	39181.14	CMSDAY
Mean	6.84	13.14	7.72	61.21	199.08	358.73	519.23	84.56	20.17	4.25	1.97	1.97	107.35	CMS
Max	21.72	31.52	32.48	130.40	304.50	472.30	752.32	265.00	51.60	7.86	2.52	2.28	752.32	CMS
Min	2.04	4.44	0.91	0.70	115.96	304.50	277.00	28.80	6.33	1.72	1.40	1.72	0.70	CMS
Runoff	17.73	35.20	20.02	163.94	533.20	929.84	1390.69	219.18	54.03	11.38	4.76	5.28	3385.25	MCM
Momentary Peak	CMS, at 162.99 m. (MSL.), at 08.00 Hours, on Oct 9, 2022													
Runoff Yield	9.81	Liters/Second/Square KM.			Momentary Peak Yield			69.11	Liters/Second/Square KM.					

WATER YEAR : 2022

CHI RIVER BASIN

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

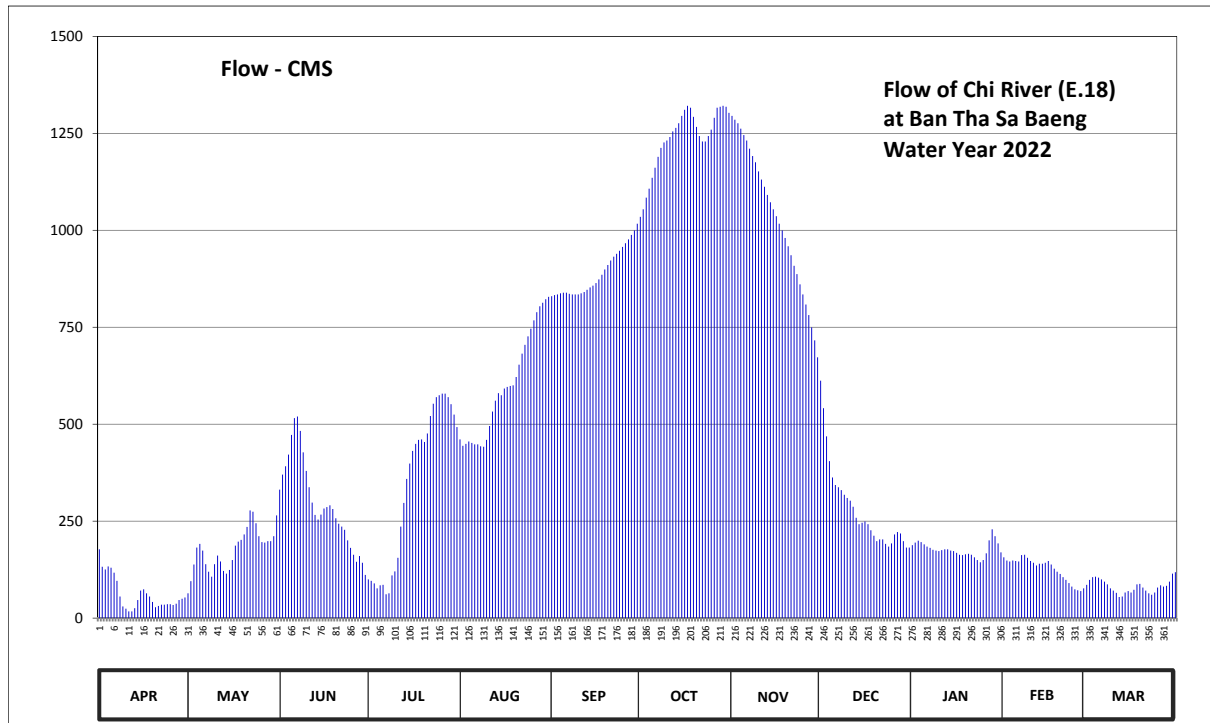
Lat 16 - 02 - 03 N Long 103 - 54 - 25 E

Location : on right bank at Ban Tha Sa Bang.

	Ban	Tha Sa Baeng	Amphoe	Thung Khao Luang	Changwat	Roi Et
Drainage Area	41,347	sq.km.				
Type of Gage	Water	- stage recorder.				
Zero Gage at Bottom	+122.200	m. (MSL.)				
Bench Mark	B.M.-	H.D.				
Location BM	On right bank at the abutment of the bridge.				Elevation	+132.496 m. (MSL.)
Gage Reading Frequency	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.					
Overbank Flow Conditions	Overbank flow starts at elevation +129.570 m.(MSL.) record are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 37 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	125.73	124.75	127.03	125.06	128.10	130.79	131.89	133.02	129.27	125.82	125.55	124.94	
	2	125.34	125.02	127.35	125.03	127.97	130.81	131.99	132.98	128.73	125.88	125.48	125.05	
	3	125.28	125.39	127.53	124.97	128.01	130.82	132.12	132.94	128.16	125.92	125.46	125.11	
	4	125.35	125.77	127.78	124.86	128.06	130.84	132.22	132.88	127.64	125.89	125.48	125.12	
	5	125.32	125.85	128.19	124.93	128.03	130.85	132.34	132.81	127.29	125.84	125.47	125.10	
	6	125.21	125.70	128.53	124.94	128.00	130.85	132.45	132.75	127.13	125.79	125.46	125.06	
	7	125.03	125.40	128.56	124.73	128.00	130.83	132.57	132.66	127.08	125.76	125.60	125.01	
	8	124.68	125.23	128.27	124.75	127.96	130.82	132.67	132.58	127.02	125.72	125.61	124.95	
	9	124.46	125.12	127.83	125.15	127.95	130.82	132.73	132.51	126.92	125.70	125.54	124.86	
	10	124.41	125.40	127.43	125.24	128.09	130.82	132.75	132.41	126.85	125.69	125.47	124.81	
	11	124.35	125.59	127.08	125.54	128.37	130.84	132.79	132.32	126.79	125.71	125.43	124.76	
	12	124.35	125.46	126.75	126.23	128.66	130.86	132.85	132.24	126.66	125.73	125.37	124.67	
	13	124.42	125.25	126.48	126.74	128.88	130.90	132.89	132.15	126.42	125.73	125.41	124.68	
	14	124.60	125.19	126.38	127.26	129.03	130.94	132.94	132.07	126.28	125.70	125.41	124.77	
	15	124.81	125.27	126.49	127.59	128.99	130.97	133.02	131.99	126.31	125.69	125.43	124.80	
	16	124.84	125.49	126.62	127.86	129.12	131.01	133.08	131.90	126.34	125.65	125.47	124.77	
	17	124.75	125.81	126.65	128.01	129.15	131.06	133.12	131.80	126.28	125.61	125.39	124.83	
	18	124.68	125.90	126.69	128.09	129.17	131.12	133.10	131.71	126.15	125.60	125.30	124.95	
	19	124.56	125.94	126.61	128.10	129.18	131.19	133.01	131.61	126.03	125.62	125.23	124.96	
	20	124.44	126.06	126.41	128.05	129.34	131.25	132.90	131.50	125.91	125.63	125.18	124.88	
	21	124.47	126.22	126.29	128.22	129.58	131.31	132.80	131.38	125.95	125.61	125.11	124.81	
	22	124.50	126.58	126.23	128.57	129.79	131.36	132.74	131.24	125.95	125.55	125.05	124.75	
	23	124.50	126.55	126.16	128.82	129.96	131.40	132.74	131.13	125.85	125.49	124.98	124.72	
	24	124.51	126.30	125.93	128.95	130.11	131.44	132.80	130.99	125.79	125.44	124.90	124.77	
	25	124.51	126.02	125.76	128.99	130.24	131.49	132.87	130.82	125.86	125.49	124.84	124.88	
	26	124.49	125.89	125.61	129.02	130.38	131.54	133.00	130.65	126.06	125.64	124.82	124.93	
	27	124.52	125.88	125.45	129.02	130.52	131.59	133.10	130.47	126.11	125.93	124.80	124.90	
	28	124.60	125.91	125.58	128.95	130.62	131.65	133.11	130.26	126.08	126.17	124.86	124.92	
	29	124.63	125.91	125.43	128.81	130.68	131.71	133.12	130.04	125.91	126.02		125.01	
	30	124.66	126.02	125.16	128.60	130.74	131.80	133.11	129.72	125.77	125.86		125.19	
	31		126.47		128.35	130.78		133.05		125.77	125.66		125.22	
Mean		124.73	125.72	126.74	127.08	129.14	131.12	132.77	131.78	126.59	125.73	125.29	124.91	
Max		125.73	126.58	128.56	129.02	130.78	131.80	133.12	133.02	129.27	126.17	125.61	125.22	133.12
Min		124.35	124.75	125.16	124.73	127.95	130.79	131.89	129.72	125.77	125.44	124.80	124.67	124.35
Annual Max Momentary Gage Height			133.14	m. (MSL.) ,				at 15.00 Hours, on Oct 17, 2022						
Zero Gage at Bottom Elevation			122.20	m. (MSL.) ,				River Bed	121.79	m. (MSL.)				
Left Bank Elevation			133.56	m. (MSL.) ,										
Right Bank Elevation			129.56	m. (MSL.) ,				Drainage Are	41.347	Square Kilometers				



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	177.48	63.80	331.41	99.76	460.80	830.08	1034.66	1295.20	612.18	187.92	156.60	85.84		
2	132.24	95.12	369.87	96.28	444.39	833.12	1054.06	1285.32	541.44	194.88	148.48	98.60		
3	125.28	138.04	391.51	89.32	449.28	834.64	1084.08	1275.96	468.48	199.52	146.16	105.56		
4	133.40	182.12	421.56	76.56	455.68	837.68	1107.48	1261.92	404.73	196.04	148.48	106.72		
5	129.92	191.40	472.32	84.68	451.84	839.20	1135.56	1245.54	362.66	190.24	147.32	104.40		
6	117.16	174.00	515.84	85.84	448.00	839.20	1161.30	1231.50	343.43	184.44	146.16	99.76		
7	96.28	139.20	519.68	61.48	448.00	836.16	1189.38	1210.44	337.42	180.96	162.40	93.96		
8	55.68	119.48	482.56	63.80	443.19	834.64	1212.78	1191.72	330.20	176.32	163.56	87.00		
9	30.16	106.72	427.57	110.20	441.99	834.64	1226.82	1175.34	318.28	174.00	155.44	76.56		
10	24.36	139.20	379.49	120.64	459.52	834.64	1231.50	1151.94	309.95	172.84	147.32	70.76		
11	17.40	161.24	337.42	155.44	495.36	837.68	1240.86	1130.88	302.81	175.16	142.68	64.96		
12	17.40	146.16	298.05	236.17	532.48	840.72	1254.90	1112.16	287.34	177.48	135.72	54.52		
13	25.52	121.80	265.92	296.86	560.64	846.80	1264.26	1091.10	258.78	177.48	140.36	55.68		
14	46.40	114.84	254.02	359.05	580.02	852.88	1275.96	1072.38	242.12	174.00	140.36	66.12		
15	70.76	124.12	267.11	398.72	574.72	857.44	1295.20	1054.06	245.69	172.84	142.68	69.60		
16	74.24	149.64	282.58	431.17	592.08	863.94	1310.80	1036.60	249.26	168.20	147.32	66.12		
17	63.80	186.76	286.15	449.28	596.10	873.64	1321.20	1017.20	242.12	163.56	138.04	73.08		
18	55.68	197.20	290.91	459.52	598.78	885.28	1316.00	999.74	226.65	162.40	127.60	87.00		
19	41.76	201.84	281.39	460.80	600.12	898.86	1292.60	980.34	212.37	164.72	119.48	88.16		
20	27.84	215.94	257.59	454.40	621.56	910.50	1266.60	959.00	198.36	165.88	113.68	78.88		
21	31.32	234.98	243.31	476.16	653.72	922.14	1243.20	935.72	203.00	163.56	105.56	70.76		
22	34.80	277.82	236.17	520.96	681.86	931.84	1229.16	908.56	203.00	156.60	98.60	63.80		
23	34.80	274.25	227.84	552.96	704.64	939.60	1229.16	887.22	191.40	149.64	90.48	60.32		
24	35.96	244.50	200.68	569.60	726.72	947.36	1243.20	860.48	184.44	143.84	81.20	66.12		
25	35.96	211.18	180.96	574.72	746.48	957.06	1259.58	834.64	192.56	149.64	74.24	78.88		
26	33.64	196.04	163.56	578.68	767.76	966.76	1290.00	808.80	215.94	167.04	71.92	84.68		
27	37.12	194.88	145.00	578.68	789.04	976.46	1316.00	781.44	221.89	200.68	69.60	81.20		
28	46.40	198.36	160.08	569.60	804.24	988.10	1318.60	749.52	218.32	229.03	76.56	83.52		
29	49.88	198.36	142.68	551.68	813.36	999.74	1321.20	716.08	198.36	211.18		93.96		
30	53.36	211.18	111.36	524.80	822.48	1017.20	1318.60	672.48	182.12	192.56		114.84		
31		264.73		492.80	828.56		1303.00		182.12	169.36		118.32		
Total	1856.00	5474.90	8944.59	10580.61	18593.41	26668.00	38347.70	30933.28	8687.42	5492.01	3538.00	2549.68	161665.60	CMSDAY
Mean	61.87	176.61	298.15	341.31	599.79	888.93	1237.02	1031.11	280.24	177.16	126.36	82.25	442.92	CMS
Max	177.48	277.82	519.68	578.68	828.56	1017.20	1321.20	1295.20	612.18	229.03	163.56	118.32	1321.20	CMS
Min	17.40	63.80	111.36	61.48	441.99	830.08	1034.66	672.48	182.12	143.84	69.60	54.52	17.40	CMS
Runoff	160.36	473.03	772.81	914.16	1606.47	2304.12	3313.24	2672.64	750.59	474.51	305.68	220.29	13967.91	MCM
Momentary Peak	1326.40		CMS, at 133.14 m. (MSL.), at 15.00 Hours, on Oct 17, 2022											
Runoff Yield	10.71		Liters/Second/Square KM.		Momentary Peak Yield	32.08		Liters/Second/Square KM.						

WATER YEAR : 2022

CHI RIVER BASIN

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

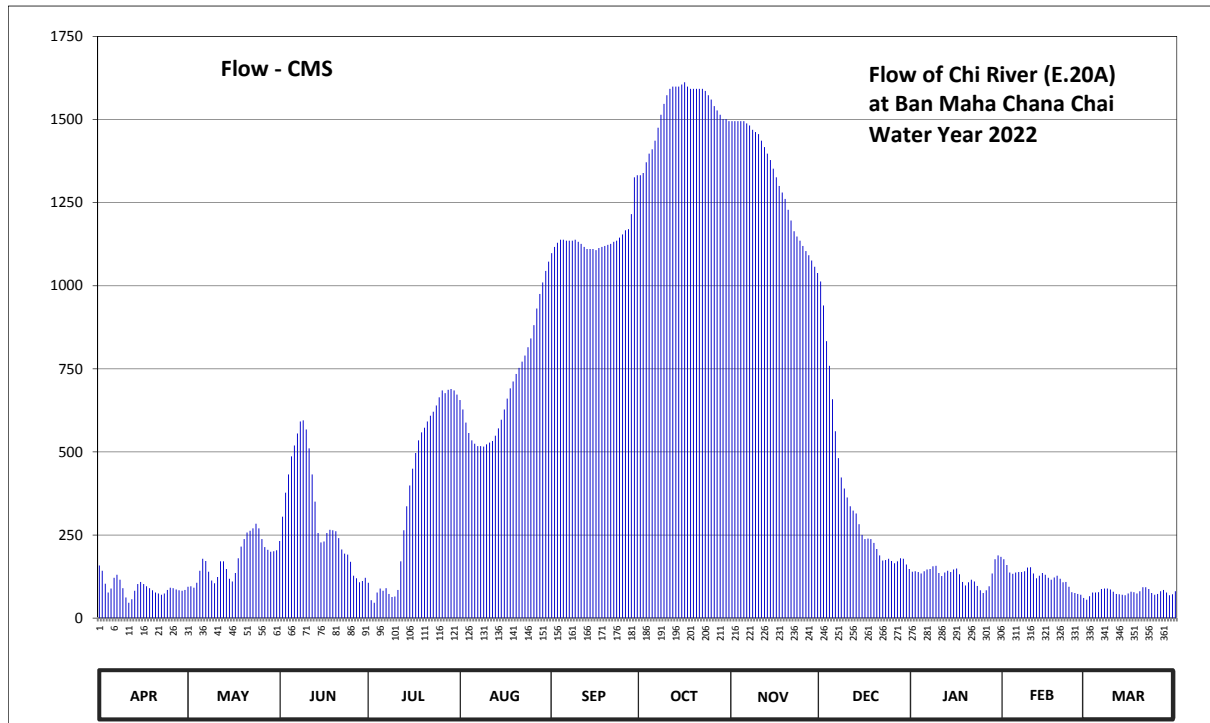
Lat 15 - 31 - 29 N Long 104 - 14 - 59 E

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

	Ban	Maha Chana Chai	Amphoe	Maha Chana Chai	Changwat	Yasothon
Drainage Area	47,923	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+112.000	m. (MSL.)				
Bench Mark	B.M.- H.D.					
Location BM	On right bank at the abutment of the bridge.				Elevation	+127.494 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1973 to date					
Rating Operation						
Period of Rating	1974 to date					
Rated by Float	-					
Rated by Current Meter	1974 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +120.250 m.(MSL.) record are channel flow only.					
General Description	Records good. Tat Noi barrage situated downstream from the gage site. Stage-discharge relation defined by 33 discharge measurements made in 2022.					

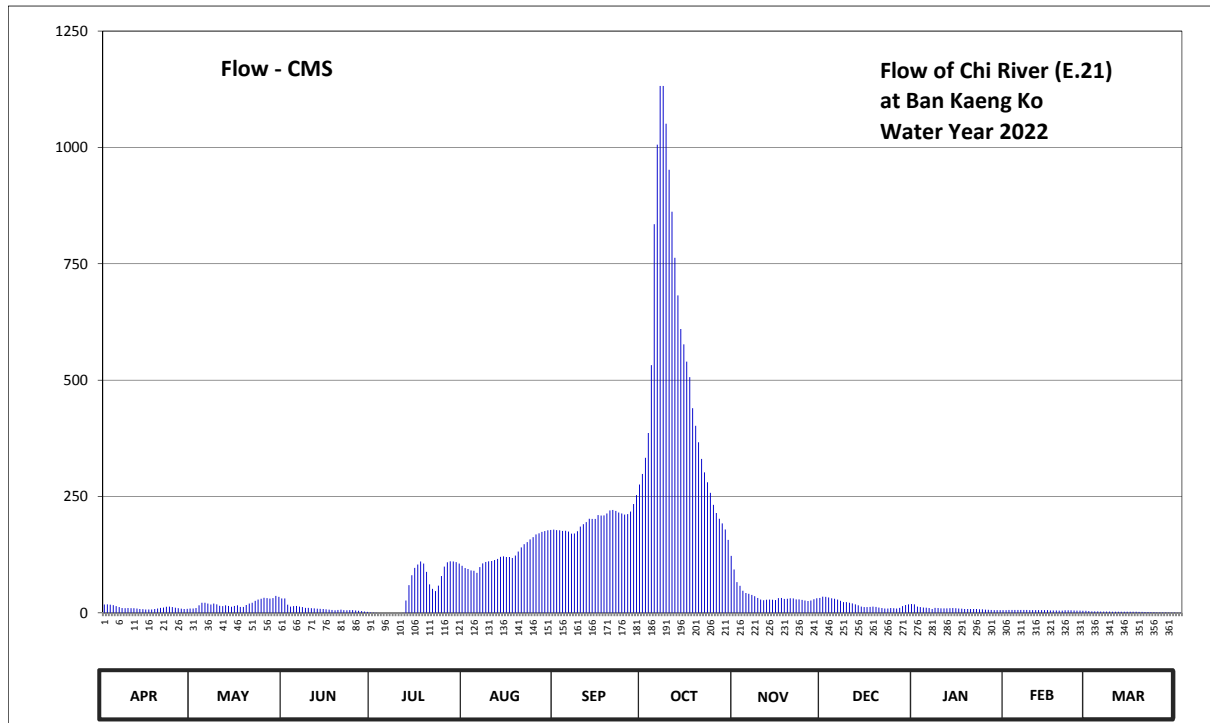
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Gage Height in Feet (MSL) - Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	116.84	116.36	117.37	116.45	120.03	121.77	122.25	122.50	121.50	116.70	116.98	116.07	
2	116.72	116.37	117.89	116.06	119.87	121.83	122.26	122.50	121.27	116.71	116.85	116.15	
3	116.43	116.34	118.36	116.00	119.64	121.87	122.31	122.50	120.89	116.69	116.68	116.23	
4	116.23	116.45	118.71	116.23	119.46	121.90	122.35	122.50	120.53	116.66	116.65	116.23	
5	116.32	116.72	119.05	116.32	119.33	121.90	122.37	122.50	120.04	116.71	116.68	116.24	
6	116.56	116.99	119.24	116.27	119.27	121.89	122.41	122.49	119.49	116.75	116.69	116.31	
7	116.63	116.94	119.45	116.33	119.23	121.89	122.47	122.48	119.02	116.76	116.69	116.32	
8	116.52	116.70	119.66	116.20	119.23	121.89	122.53	122.46	118.65	116.82	116.71	116.32	
9	116.33	116.50	119.68	116.13	119.22	121.90	122.58	122.45	118.44	116.83	116.79	116.30	
10	116.12	116.44	119.52	116.14	119.26	121.88	122.62	122.44	118.27	116.67	116.80	116.25	
11	116.00	116.58	119.19	116.29	119.29	121.86	122.65	122.41	118.10	116.60	116.66	116.20	
12	116.08	116.93	118.71	116.93	119.32	121.83	122.66	122.38	118.02	116.68	116.55	116.19	
13	116.27	116.93	118.19	117.60	119.41	121.81	122.66	122.35	117.96	116.72	116.61	116.18	
14	116.42	116.76	117.54	118.10	119.54	121.81	122.66	122.32	117.73	116.69	116.67	116.17	
15	116.47	116.54	117.34	118.50	119.69	121.81	122.67	122.28	117.50	116.75	116.63	116.21	
16	116.42	116.48	117.36	118.82	119.87	121.80	122.68	122.24	117.41	116.77	116.56	116.25	
17	116.37	116.67	117.54	119.11	120.05	121.82	122.66	122.20	117.42	116.64	116.52	116.24	
18	116.33	117.00	117.61	119.33	120.20	121.83	122.65	122.17	117.41	116.47	116.57	116.21	
19	116.28	117.25	117.60	119.47	120.30	121.84	122.65	122.14	117.33	116.39	116.61	116.26	
20	116.23	117.41	117.58	119.55	120.41	121.85	122.65	122.09	117.20	116.46	116.54	116.35	
21	116.21	117.55	117.43	119.66	120.50	121.86	122.65	122.04	117.06	116.52	116.46	116.35	
22	116.18	117.59	117.19	119.76	120.59	121.88	122.65	121.98	116.95	116.48	116.47	116.31	
23	116.21	117.64	117.10	119.83	120.68	121.89	122.64	121.93	116.96	116.38	116.36	116.22	
24	116.29	117.74	117.08	119.94	120.80	121.92	122.62	121.89	116.99	116.28	116.24	116.18	
25	116.34	117.64	116.92	120.07	120.93	121.95	122.60	121.84	116.94	116.22	116.22	116.20	
26	116.33	117.41	116.61	120.17	121.08	121.99	122.57	121.79	116.89	116.28	116.20	116.26	
27	116.30	117.24	116.55	120.13	121.24	122.00	122.55	121.75	116.93	116.37	116.18	116.29	
28	116.28	117.18	116.46	120.18	121.38	122.07	122.53	121.70	117.00	116.66	116.11	116.23	
29	116.27	117.14	116.49	120.19	121.49	122.24	122.51	121.64	116.99	116.98		116.17	
30	116.29	117.15	116.56	120.17	121.60	122.25	122.51	121.58	116.86	117.06		116.19	
31		117.17		120.11	121.69		122.50		116.76	117.03		116.26	
Mean	116.34	116.96	117.87	118.26	120.15	121.90	122.55	122.18	118.08	116.64	116.56	116.24	
Max	116.84	117.74	119.68	120.19	121.69	122.25	122.68	122.50	121.50	117.06	116.98	116.35	122.68
Min	116.00	116.34	116.46	116.00	119.22	121.77	122.25	121.58	116.76	116.22	116.11	116.07	116.00
Annual Max Momentary Gage Height	122.69		m. (MSL.) ,		at 13.00 Hours, on Oct 15, 2022								
Zero Gage at Bottom Elevation	112.00		m. (MSL.) ,		River Bed	109.87	m. (MSL.)						
Left Bank Elevation	120.24		m. (MSL.) ,										
Right Bank Elevation	120.24		m. (MSL.) ,		Drainage Area	47,923	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	158.56	94.24	231.99	106.30	656.18	1097.78	1332.50	1495.00	1013.00	139.80	177.32	55.38		
2	142.48	95.58	305.05	54.04	627.64	1116.62	1339.00	1495.00	940.78	141.14	159.90	66.10		
3	103.62	91.56	377.20	46.00	588.08	1129.18	1371.50	1495.00	833.34	138.46	137.12	76.82		
4	76.82	106.30	432.33	76.82	557.12	1138.60	1397.50	1495.00	759.18	134.44	133.10	76.82		
5	88.88	142.48	486.60	88.88	534.76	1138.60	1410.50	1495.00	658.24	141.14	137.12	78.16		
6	121.04	178.66	519.28	82.18	524.44	1135.46	1436.50	1488.50	562.28	146.50	138.46	87.54		
7	130.42	171.96	555.40	90.22	517.56	1135.46	1475.50	1482.00	481.44	147.84	138.46	88.88		
8	115.68	139.80	591.52	72.80	517.56	1135.46	1514.50	1469.00	422.88	155.88	141.14	88.88		
9	90.22	113.00	594.96	63.42	515.84	1138.60	1547.00	1462.50	389.80	157.22	151.86	86.20		
10	62.08	104.96	567.44	64.76	522.72	1132.32	1573.00	1456.00	363.03	135.78	153.20	79.50		
11	46.00	123.72	510.68	84.86	527.88	1126.04	1592.50	1436.50	336.25	126.40	134.44	72.80		
12	56.72	170.62	432.33	170.62	533.04	1116.62	1599.00	1417.00	323.65	137.12	119.70	71.46		
13	82.18	170.62	350.43	264.30	548.52	1110.34	1599.00	1397.50	314.88	142.48	127.74	70.12		
14	102.28	147.84	255.87	336.25	570.88	1110.34	1599.00	1378.00	282.57	138.46	135.78	68.78		
15	108.98	118.36	227.77	399.25	596.68	1110.34	1605.50	1352.00	250.25	146.50	130.42	74.14		
16	102.28	110.32	230.58	449.65	627.64	1107.20	1612.00	1326.00	237.61	149.18	121.04	79.50		
17	95.58	135.78	255.87	496.92	660.30	1113.48	1599.00	1300.00	239.01	131.76	115.68	78.16		
18	90.22	180.00	265.71	534.76	691.20	1116.62	1592.50	1280.50	237.61	108.98	122.38	74.14		
19	83.52	215.13	264.30	558.84	711.80	1119.76	1592.50	1261.00	226.37	98.26	127.74	80.84		
20	76.82	237.61	261.49	572.60	734.46	1122.90	1592.50	1228.50	208.10	107.64	118.36	92.90		
21	74.14	257.28	240.42	591.52	753.00	1126.04	1592.50	1196.00	188.43	115.68	107.64	92.90		
22	70.12	262.90	206.70	608.72	771.54	1132.32	1592.50	1163.72	173.30	110.32	108.98	87.54		
23	74.14	269.92	194.05	620.76	790.08	1135.46	1586.00	1148.02	174.64	96.92	94.24	75.48		
24	84.86	283.97	191.24	639.68	814.80	1144.88	1573.00	1135.46	178.66	83.52	78.16	70.12		
25	91.56	269.92	169.28	664.42	841.58	1154.30	1560.00	1119.76	171.96	75.48	75.48	72.80		
26	90.22	237.61	127.74	685.02	881.12	1166.86	1540.50	1104.06	165.26	83.52	72.80	80.84		
27	86.20	213.72	119.70	676.78	931.36	1170.00	1527.50	1091.50	170.62	95.58	70.12	84.86		
28	83.52	205.29	107.64	687.08	975.32	1215.50	1514.50	1075.80	180.00	134.44	60.74	76.82		
29	82.18	199.67	111.66	689.14	1009.86	1326.00	1501.50	1056.96	178.66	177.32		68.78		
30	84.86	201.08	121.04	685.02	1044.40	1332.50	1501.50	1038.12	161.24	188.43		71.46		
31		203.89		672.66	1072.66		1495.00		147.84	184.22		80.84		
Total	2756.18	5453.79	9306.27	11834.27	21650.02	34355.58	47365.50	39339.40	10970.88	4070.41	3389.12	2409.56	192900.98	CMSDAY
Mean	91.87	175.93	310.21	381.75	698.39	1145.19	1527.92	1311.31	353.90	131.30	121.04	77.73	528.50	CMS
Max	158.56	283.97	594.96	689.14	1072.66	1332.50	1612.00	1495.00	1013.00	188.43	177.32	92.90	1612.00	CMS
Min	46.00	91.56	107.64	46.00	515.84	1097.78	1332.50	1038.12	147.84	75.48	60.74	55.38	46.00	CMS
Runoff	238.13	471.21	804.06	1022.48	1870.56	2968.32	4092.38	3398.92	947.88	351.68	292.82	208.19	16666.64	MCM
Momentary Peak	1618.50	CMS, at 122.69 m. (MSL.), at 13.00 Hours, on Oct 15, 2022												
Runoff Yield	11.03	Liters/Second/Square KM.				Momentary Peak Yield	33.77	Liters/Second/Square KM.						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	17.82	9.20	30.81	0.55	96.00	177.60	333.03	66.00	34.37	13.40	6.20	2.90		
2	18.29	10.10	17.35	0.20	94.13	177.20	386.43	57.86	32.94	12.20	6.20	3.00		
3	17.35	15.94	13.40	0.05	91.13	176.00	532.30	47.18	31.16	11.40	6.20	2.90		
4	16.41	21.58	14.20	0.00	90.38	176.40	835.00	42.56	30.10	11.00	6.20	2.70		
5	14.20	21.58	14.60	0.00	85.88	174.40	1006.00	40.78	28.32	10.10	6.20	2.60		
6	12.20	19.70	13.40	0.00	98.25	170.10	1132.00	38.28	25.82	8.30	6.20	2.50		
7	10.10	17.82	12.20	0.00	106.13	170.49	1132.00	35.79	22.99	10.40	6.20	2.50		
8	9.80	19.70	10.70	0.00	109.13	175.20	1051.00	31.88	22.99	10.10	5.90	2.40		
9	10.10	18.29	10.40	0.00	110.63	185.20	952.00	28.32	21.58	9.50	5.90	2.40		
10	9.80	15.00	9.80	0.00	111.38	190.40	862.00	26.89	20.17	9.50	5.90	2.40		
11	9.80	14.20	9.50	0.20	113.25	194.80	763.00	27.96	18.29	9.50	5.90	2.40		
12	9.20	15.94	8.90	26.54	115.88	202.20	682.00	28.32	15.94	9.80	5.90	2.40		
13	8.30	14.60	8.60	59.29	120.38	201.60	610.00	27.96	13.40	10.10	5.90	2.40		
14	7.70	13.00	8.00	80.63	121.13	201.60	576.70	27.25	12.20	9.80	5.90	2.40		
15	7.10	14.60	7.40	96.38	120.00	210.00	539.70	31.52	12.20	9.20	5.00	2.20		
16	7.10	15.94	6.80	103.88	120.00	208.80	506.40	31.88	12.60	8.90	5.00	2.20		
17	7.10	12.60	6.20	110.25	117.75	209.40	439.80	29.74	13.40	8.30	5.00	2.10		
18	8.00	12.60	5.30	105.75	123.00	213.30	402.00	30.10	12.60	8.30	4.60	1.80		
19	9.20	16.88	6.20	87.75	131.63	219.90	366.40	31.16	11.40	8.00	4.80	1.70		
20	10.40	19.70	6.80	61.13	140.46	221.00	330.80	30.81	10.10	8.00	5.30	1.50		
21	11.40	21.58	5.90	51.46	147.48	218.80	301.66	28.67	9.20	8.00	5.30	1.30		
22	13.00	25.82	5.30	46.83	151.77	215.50	280.60	28.67	9.20	7.40	5.30	1.20		
23	13.40	28.32	5.60	58.22	157.62	213.30	257.92	27.60	10.10	7.40	5.00	1.10		
24	12.20	30.10	5.60	79.13	162.69	211.10	232.00	26.54	9.80	6.80	4.80	0.95		
25	11.00	32.23	5.00	99.38	168.54	212.20	214.40	25.47	9.20	6.50	4.60	0.85		
26	9.80	31.52	4.40	108.38	170.88	217.70	202.20	26.54	10.70	6.20	4.20	0.80		
27	8.90	30.45	3.60	110.63	174.00	233.62	192.00	29.03	14.20	5.60	4.20	0.65		
28	8.30	31.52	2.70	110.25	175.60	253.06	179.20	31.16	16.88	5.60	3.80	0.55		
29	8.60	36.50	1.80	108.75	177.20	275.74	156.84	31.88	18.29	5.90		0.45		
30	9.20	34.37	1.00	105.75	178.00	298.42	122.25	34.72	18.76	5.90		0.40		
31		30.81		100.88	178.80		93.00		18.29	5.90		0.25		
Total	325.77	652.19	261.46	1712.26	4059.10	6205.03	15670.63	1002.52	547.19	267.00	151.60	55.90	30910.65	CMSDAY
Mean	10.86	21.04	8.72	55.23	130.94	206.83	505.50	33.42	17.65	8.61	5.41	1.80	84.69	CMS
Max	18.29	36.50	30.81	110.63	178.80	298.42	1132.00	66.00	34.37	13.40	6.20	3.00	1132.00	CMS
Min	7.10	9.20	1.00	0.00	85.88	170.10	93.00	25.47	9.20	5.60	3.80	0.25	0.00	CMS
Runoff	28.15	56.35	22.59	147.94	350.71	536.11	1353.94	86.62	47.28	23.07	13.10	4.83	2670.68	MCM
Momentary Peak	CMS, at 175.11 m. (MSL.), at 24.00 Hours, on Oct 6, 2022													
Runoff Yield	9.58	Liters/Second/Square KM.				Momentary Peak Yield		131.05	Liters/Second/Square KM.					

WATER YEAR : 2022**CHI RIVER BASIN****Lam Nam Phong at Ban Tha Mao , Khon Kaen (E.22B)**

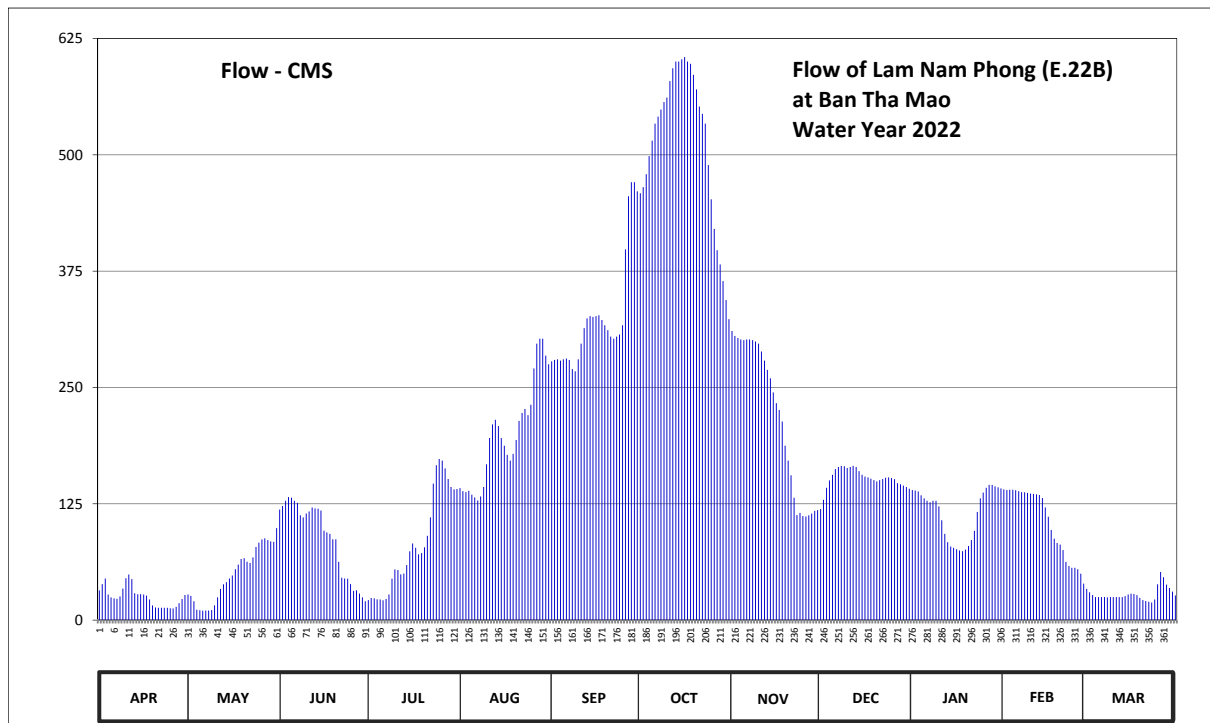
Lat 16 - 39 - 16 N Long 102 - 49 - 25 E

Location : on right bank at Ban Tha Mao.

	Ban	Tha Mao	Amphoe	Nam Phong	Changwat	Khon Kaen
Drainge Area	13,617	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+150.900 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On left bank at the footpath of the bridge.				Elevation	+163.911 m. (MSL.)
Gage Reading Frequency	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	1966 - 1972 , 1982 - 1987 , 1992 to date					
Rated by Float	-					
Rated by Current Meter	1966 - 1972 , 1982 - 1987 , 1992 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow regulated by Ubonrat Dam about 35 kilometers above gage site and Nong Wai weir situated about 5 kilometers above gage site. Stage-discharge relation defined by 39 discharge measurements made in 2022.					

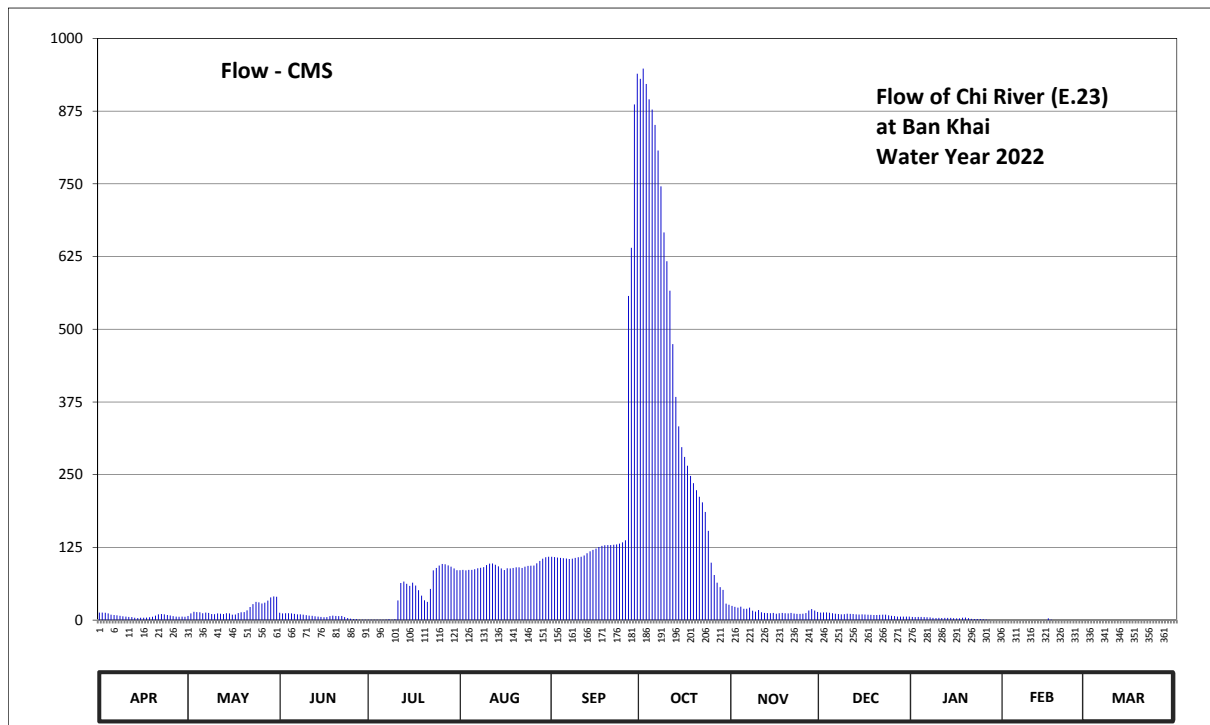
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	152.46	152.29	155.46	152.06	156.18	159.00	161.08	159.43	155.48	156.12	156.14	152.52	
2	152.72	152.23	155.58	152.14	156.08	159.02	161.14	159.36	155.79	156.10	156.12	152.38	
3	152.95	152.01	155.76	152.13	156.05	159.03	161.27	159.33	156.19	156.07	156.13	152.27	
4	152.29	151.66	155.88	152.09	156.09	159.01	161.45	159.31	156.44	155.94	156.13	152.18	
5	152.17	151.64	155.86	152.08	155.96	159.03	161.58	159.30	156.63	155.84	156.11	152.18	
6	152.13	151.62	155.76	152.05	155.87	159.04	161.71	159.31	156.82	155.76	156.08	152.18	
7	152.11	151.63	155.69	152.10	155.77	159.02	161.76	159.31	156.89	155.71	156.05	152.18	
8	152.21	151.63	155.27	152.29	155.90	158.89	161.81	159.30	156.93	155.76	156.04	152.17	
9	152.53	151.65	155.20	152.94	156.22	158.86	161.86	159.28	156.92	155.76	156.02	152.18	
10	152.96	151.84	155.33	153.29	156.98	159.03	161.89	159.25	156.86	155.57	156.00	152.18	
11	153.10	152.17	155.40	153.27	157.72	159.25	161.99	159.14	156.89	155.10	155.99	152.18	
12	152.92	152.52	155.53	153.11	158.02	159.47	162.05	159.01	156.93	154.61	155.97	152.18	
13	152.34	152.71	155.50	153.14	158.10	159.60	162.08	158.88	156.89	154.30	155.95	152.18	
14	152.30	152.80	155.49	153.45	157.99	159.63	162.08	158.76	156.75	154.14	155.85	152.22	
15	152.30	152.95	155.43	153.96	157.72	159.62	162.09	158.56	156.63	154.09	155.53	152.29	
16	152.29	153.07	154.73	154.25	157.55	159.63	162.10	158.39	156.57	154.04	155.22	152.32	
17	152.24	153.30	154.66	154.09	157.28	159.64	162.08	158.27	156.54	153.99	154.75	152.31	
18	152.08	153.47	154.61	153.85	157.10	159.58	162.07	158.07	156.50	153.97	154.43	152.26	
19	151.84	153.68	154.41	153.90	157.31	159.51	162.02	157.55	156.45	154.03	154.27	152.15	
20	151.75	153.71	154.41	154.11	157.68	159.44	161.94	157.10	156.41	154.16	154.21	152.06	
21	151.74	153.58	153.57	154.54	158.08	159.35	161.83	156.61	156.45	154.38	154.01	152.02	
22	151.74	153.53	152.98	155.20	158.22	159.32	161.78	155.86	156.49	154.72	153.57	151.99	
23	151.74	153.74	152.95	156.33	158.29	159.35	161.71	155.28	156.53	155.38	153.42	151.96	
24	151.74	154.12	152.94	156.95	158.18	159.38	161.36	155.35	156.54	155.84	153.35	152.08	
25	151.72	154.28	152.72	157.15	158.36	159.51	161.02	155.24	156.52	156.03	153.35	152.71	
26	151.71	154.40	152.44	157.10	158.90	160.46	160.69	155.23	156.48	156.19	153.30	153.20	
27	151.78	154.44	152.46	156.84	159.25	161.05	160.45	155.27	156.35	156.29	153.13	153.00	
28	151.93	154.38	152.33	156.49	159.32	161.19	160.28	155.33	156.31	156.29	152.74	152.70	
29	152.10	154.33	152.17	156.22	159.32	161.19	160.08	155.42	156.27	156.24		152.56	
30	152.27	154.31	152.01	156.14	159.08	161.10	159.84	155.44	156.22	156.21		152.41	
31		154.82		156.15	158.96		159.59		156.16	156.17		152.25	
Mean	152.21	153.05	154.42	154.17	157.53	159.57	161.44	157.73	156.51	155.32	154.99	152.30	
Max	153.10	154.82	155.88	157.15	159.32	161.19	162.10	159.43	156.93	156.29	156.14	153.20	162.10
Min	151.71	151.62	152.01	152.05	155.77	158.86	159.59	155.23	155.48	153.97	152.74	151.96	151.62
Annual Max Momentary Gage Height	162.11	m. (MSL.) ,		at 18.00 Hours, on Oct 15, 2022									
Zero Gage at Bottom Elevation	150.90	m. (MSL.) ,		River Bed		151.65	m. (MSL.)						
Left Bank Elevation	162.93	m. (MSL.) ,											
Right Bank Elevation	163.55	m. (MSL.) ,		Drainage Are		13,617	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	31.96	27.54	118.72	21.56	141.76	278.00	458.64	310.68	119.36	139.84	140.48	33.52		
2	38.72	25.98	122.56	23.64	138.56	279.52	465.12	305.36	129.28	139.20	139.84	29.88		
3	44.70	20.26	128.32	23.38	137.60	280.28	479.16	303.08	142.08	138.24	140.16	27.02		
4	27.54	11.16	132.16	22.34	138.88	278.76	498.60	301.56	150.08	134.08	140.16	24.68		
5	24.42	10.64	131.52	22.08	134.72	280.28	515.20	300.80	156.16	130.88	139.52	24.68		
6	23.38	10.12	128.32	21.30	131.84	281.04	533.50	301.56	162.24	128.32	138.56	24.68		
7	22.86	10.38	126.08	22.60	128.64	279.52	541.00	301.56	164.48	126.72	137.60	24.68		
8	25.46	10.38	112.64	27.54	132.80	269.64	548.60	300.80	165.76	128.32	137.28	24.42		
9	33.78	10.90	110.40	44.44	143.04	267.36	556.60	299.28	165.44	128.32	136.64	24.68		
10	44.96	15.84	114.56	54.41	167.36	280.28	561.40	297.00	163.52	122.24	136.00	24.68		
11	48.90	24.42	116.80	53.83	195.56	297.00	579.20	288.64	164.48	107.20	135.68	24.68		
12	43.92	33.52	120.96	49.19	210.24	313.72	593.00	278.76	165.76	92.69	135.04	24.68		
13	28.84	38.46	120.00	50.06	215.20	324.20	600.20	268.88	164.48	83.70	134.40	24.68		
14	27.80	40.80	119.68	59.05	208.52	326.66	600.20	259.76	160.00	79.06	131.20	25.72		
15	27.80	44.70	117.76	73.84	195.56	325.84	602.60	244.56	156.16	77.61	120.96	27.54		
16	27.54	48.03	96.17	82.25	187.40	326.66	605.00	233.18	154.24	76.16	111.04	28.32		
17	26.24	54.70	94.14	77.61	177.52	327.48	600.20	225.74	153.28	74.71	96.75	28.06		
18	22.08	59.63	92.69	70.65	171.40	322.56	597.80	213.34	152.00	74.13	87.47	26.76		
19	15.84	65.72	86.89	72.10	178.54	316.82	585.80	187.40	150.40	75.87	82.83	23.90		
20	13.50	66.59	86.89	78.19	193.64	311.44	570.20	171.40	149.12	79.64	81.09	21.56		
21	13.24	62.82	62.53	90.66	213.96	304.60	551.80	155.52	150.40	86.02	75.29	20.52		
22	13.24	61.37	45.48	110.40	222.64	302.32	544.00	131.52	151.68	95.88	62.53	19.74		
23	13.24	67.46	44.70	146.56	226.98	304.60	533.50	112.96	152.96	116.16	58.18	18.96		
24	13.24	78.48	44.44	166.40	220.16	306.88	488.88	115.20	153.28	130.88	56.15	22.08		
25	12.72	83.12	38.72	173.10	231.32	316.82	452.16	111.68	152.64	136.96	56.15	38.46		
26	12.46	86.60	31.44	171.40	270.40	398.40	420.24	111.36	151.36	142.08	54.70	51.80		
27	14.28	87.76	31.96	162.88	297.00	455.40	397.50	112.64	147.20	145.28	49.77	46.00		
28	18.18	86.02	28.58	151.68	302.32	470.52	382.20	114.56	145.92	145.28	39.24	38.20		
29	22.60	84.57	24.42	143.04	302.32	470.52	364.20	117.44	144.64	143.68		34.56		
30	27.02	83.99	20.26	140.48	284.08	460.80	343.88	118.08	143.04	142.72		30.66		
31		98.78		140.80	274.96		323.38		141.12	141.44		26.50		
Total	760.46	1510.74	2649.79	2547.46	6174.92	9757.92	15893.76	6594.30	4722.56	3563.31	2954.71	866.30	57996.23	CMSDAY
Mean	25.35	48.73	88.33	82.18	199.19	325.26	512.70	219.81	152.34	114.95	105.53	27.95	158.89	CMS
Max	48.90	98.78	132.16	173.10	302.32	470.52	605.00	310.68	165.76	145.28	140.48	51.80	605.00	CMS
Min	12.46	10.12	20.26	21.30	128.64	267.36	323.38	111.36	119.36	74.13	39.24	18.96	10.12	CMS
Runoff	65.70	130.53	228.94	220.10	533.51	843.08	1373.22	569.75	408.03	307.87	255.29	74.85	5010.87	MCM
Momentary Peak	607.50	CMS, at 162.11 m. (MSL.), at 18.00 Hours, on Oct 15, 2022												
Runoff Yield	11.67	Liters/Second/Square KM.					Momentary Peak Yield	44.61	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	13.02	7.26	12.66	0.80	85.80	109.00	930.40	24.40	13.02	5.40	0.00	0.00	
2	12.84	11.58	11.58	0.70	86.34	108.44	948.00	22.80	13.20	5.30	0.00	0.00	
3	12.66	14.28	11.94	0.70	85.53	107.60	921.60	21.40	13.20	5.60	0.00	0.00	
4	11.40	13.74	11.94	0.80	86.34	107.04	895.20	23.20	12.66	5.60	0.00	0.00	
5	9.42	13.38	11.40	0.80	86.34	106.48	877.60	19.40	11.76	5.20	0.00	0.00	
6	8.88	11.94	10.68	0.80	87.42	105.92	851.20	19.60	10.86	4.80	0.00	0.00	
7	8.34	13.02	9.96	1.20	89.04	105.08	807.20	21.40	10.32	4.60	0.00	0.00	
8	7.44	12.48	9.78	1.60	89.85	105.64	745.60	16.20	9.96	3.70	0.00	0.00	
9	6.54	10.50	9.24	0.90	90.93	107.04	666.40	14.64	10.14	3.60	0.00	0.00	
10	5.90	10.14	8.52	1.50	94.71	108.16	617.00	17.20	11.04	3.70	0.00	0.00	
11	5.50	11.40	7.80	33.75	97.14	109.00	566.40	13.56	10.68	3.50	0.00	0.00	
12	5.10	11.04	7.44	63.75	97.41	111.24	474.40	12.48	10.32	3.90	0.00	0.00	
13	4.10	10.50	6.54	66.25	95.25	114.88	383.60	12.12	9.96	3.80	0.00	0.00	
14	3.50	11.76	5.90	62.50	92.28	118.24	333.20	11.94	9.60	3.80	0.00	0.00	
15	4.00	11.40	5.60	58.75	88.77	120.76	297.20	12.30	9.78	3.40	0.00	0.00	
16	4.20	9.42	5.00	64.25	86.07	123.00	280.43	11.04	9.60	3.10	3.00	0.00	
17	4.50	9.60	5.30	59.50	89.04	125.80	265.40	11.94	9.42	3.00	0.80	0.00	
18	4.90	12.12	6.72	51.50	88.77	127.48	247.95	12.48	9.06	4.00	0.10	0.00	
19	5.80	13.38	7.62	42.00	89.58	128.60	235.35	11.94	8.70	4.50	0.00	0.00	
20	7.80	13.74	7.08	34.00	90.66	128.88	223.20	11.40	8.70	3.40	0.00	0.00	
21	9.78	16.80	6.90	31.25	90.66	128.88	212.00	12.30	9.06	2.30	0.00	0.00	
22	10.32	22.60	7.26	53.75	89.58	129.44	202.40	11.22	9.42	2.00	0.00	0.00	
23	9.78	27.50	5.30	85.53	91.74	130.00	185.93	10.68	9.24	1.80	0.00	0.00	
24	8.88	31.25	3.50	89.58	93.36	131.50	153.53	10.68	8.34	1.90	0.00	0.00	
25	7.98	30.50	2.50	93.90	93.63	133.60	98.60	10.86	7.44	1.50	0.00	0.00	
26	6.90	28.50	1.90	96.60	93.90	137.20	77.44	12.12	6.72	1.10	0.00	0.00	
27	6.00	30.00	1.50	96.06	97.68	557.20	64.44	16.40	6.00	0.40	0.00	0.00	
28	5.80	33.50	0.90	94.17	101.73	640.00	56.64	19.00	6.00	0.00	0.00	0.00	
29	5.90	39.00	0.90	91.74	105.64	886.40	51.96	16.60	5.90	0.00	0.00	0.00	
30	5.80	40.75	0.90	88.77	108.16	939.20	28.25	13.92	6.00	0.00	0.00	0.00	
31		40.25		85.80	109.00		26.25		5.90	0.00		0.00	
Total	222.98	573.33	204.26	1453.20	2872.35	6091.70	12724.77	455.22	292.00	94.90	3.90	0.00	24988.61 CMSDAY
Mean	7.43	18.49	6.81	46.88	92.66	203.06	410.48	15.17	9.42	3.06	0.14	0.00	68.46 CMS
Max	13.02	40.75	12.66	96.60	109.00	939.20	948.00	24.40	13.20	5.60	3.00	0.00	948.00 CMS
Min	3.50	7.26	0.90	0.70	85.53	105.08	26.25	10.68	5.90	0.00	0.00	0.00	0.00 CMS
Runoff	19.27	49.54	17.65	125.56	248.17	526.32	1099.42	39.33	25.23	8.20	0.34	0.00	2159.02 MCM
Momentary Peak	948.00	CMS, at 185.85 m. (MSL.), at 16.00 Hours, on Sep 30, 2022											
Runoff Yield	10.87	Liters/Second/Square KM.			Momentary Peak Yield			150.55	Liters/Second/Square KM.				

WATER YEAR : 2022**CHI RIVER BASIN****Lam Nam Phong at Ban Pha Nok Khao , Loei (E.29A)**

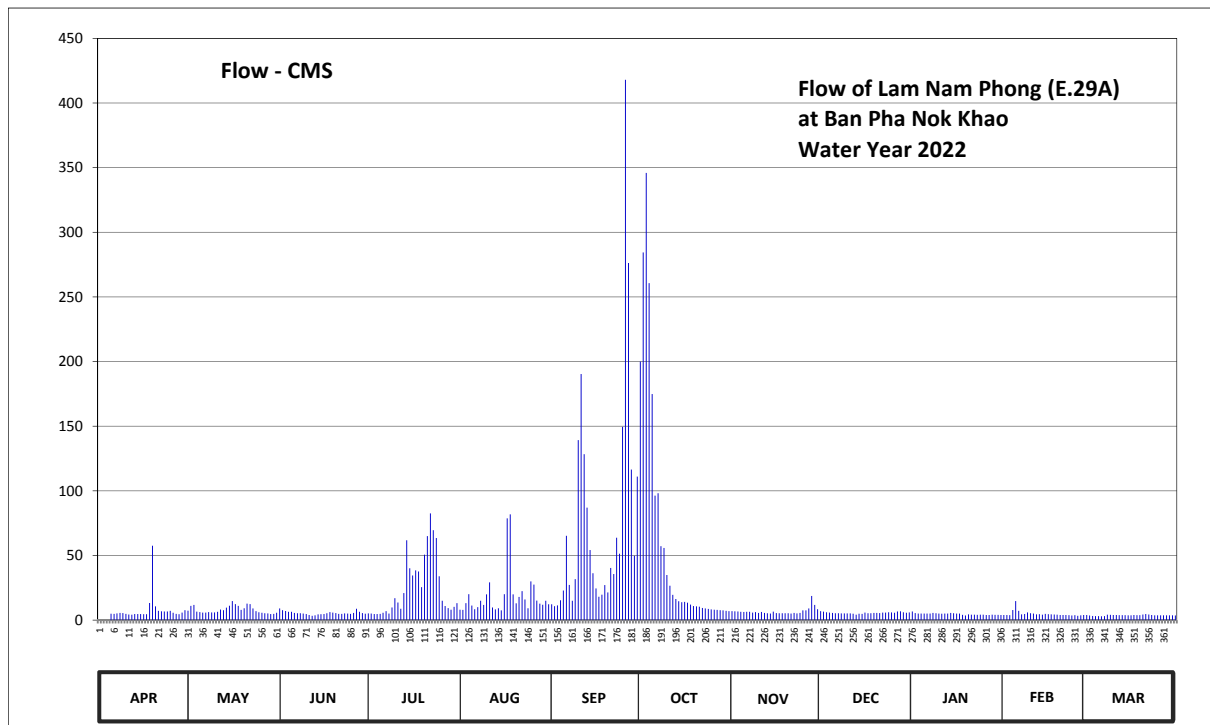
Lat 16 - 50 - 49 N Long 101 - 56 - 14 E

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

	Ban	Pha Nok Khao	Amphoe	Phu Kradung	Changwat	Loei
Drainage Area	933	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+228.000 m. (MSL.)					
Bench Mark	B.M.- H.D.					
Location BM	In front of the automatic gage buiding.				Elevation	+241.401 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2019 to date					
Rating Operation						
Period of Rating	2019 to date					
Rated by Float	-					
Rated by Current Meter	2019 to date					
Stability of Channel Regimes	Fairly stable by some scouring.					
Overbank Flow Conditions	Overbank flow starts at elevation +238.680 m.(MSL.) record are channel flow only.					
General Description	Records fair. Flow effected by Ubonrat Dam.					
	Stage-discharge relation defined by 111 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	228.28	229.91	230.11	229.65	230.00	230.47	238.00	229.86	229.87	229.83	229.49	229.49	
2	228.31	230.33	229.96	229.64	229.99	230.31	239.31	229.85	229.82	229.68	229.49	229.44	
3	228.25	230.41	229.88	229.58	230.57	230.37	239.95	229.83	229.76	229.64	229.48	229.40	
4	228.64	229.82	229.81	229.59	231.28	230.82	239.02	229.81	229.72	229.64	229.97	229.39	
5	229.62	229.78	229.80	229.60	230.36	231.54	237.45	229.79	229.69	229.64	230.75	229.38	
6	229.61	229.72	229.70	229.71	230.04	234.13	235.29	229.80	229.66	229.63	229.89	229.37	
7	229.65	229.73	229.67	229.86	230.22	231.93	235.35	229.80	229.66	229.64	229.56	229.39	
8	229.70	229.78	229.66	229.64	230.77	230.77	233.76	229.73	229.65	229.70	229.58	229.52	
9	229.68	229.74	229.64	230.20	230.41	232.26	233.69	229.77	229.65	229.66	229.74	229.51	
10	229.60	229.74	229.59	231.00	231.27	236.56	232.49	229.70	229.65	229.63	229.66	229.49	
11	229.54	229.80	229.50	230.62	232.09	237.79	231.87	229.79	229.65	229.62	229.64	229.49	
12	229.53	230.02	229.41	230.09	230.19	236.26	231.23	229.70	229.62	229.64	229.55	229.48	
13	229.58	229.96	229.47	231.35	230.03	235.00	230.92	229.67	229.53	229.64	229.57	229.48	
14	229.59	230.18	229.56	233.99	230.13	233.61	230.73	229.63	229.62	229.69	229.53	229.48	
15	229.58	230.35	229.57	232.86	229.94	232.59	230.65	229.82	229.61	229.66	229.61	229.46	
16	229.57	230.74	229.59	232.47	231.28	231.68	230.68	229.68	229.73	229.64	229.57	229.47	
17	229.57	230.48	229.67	232.75	234.67	231.10	230.61	229.67	229.66	229.63	229.56	229.50	
18	230.58	230.33	229.77	232.69	234.79	231.24	230.45	229.66	229.67	229.51	229.54	229.48	
19	233.78	229.99	229.73	231.77	231.26	231.92	230.32	229.66	229.70	229.44	229.53	229.48	
20	230.29	230.13	229.68	233.43	230.56	231.40	230.29	229.67	229.70	229.56	229.50	229.54	
21	229.89	230.53	229.61	234.12	231.09	232.88	230.26	229.64	229.68	229.53	229.49	229.59	
22	229.85	230.49	229.61	234.82	231.49	232.55	230.15	229.69	229.72	229.52	229.50	229.54	
23	229.84	230.12	229.65	234.30	230.88	234.07	230.11	229.65	229.73	229.51	229.48	229.49	
24	229.83	229.87	229.64	234.06	230.13	233.47	230.07	229.69	229.75	229.53	229.45	229.47	
25	229.89	229.76	229.61	232.42	232.14	236.83	230.03	229.94	229.74	229.52	229.48	229.47	
26	229.71	229.71	229.70	230.77	231.95	240.50	230.00	229.95	229.71	229.50	229.41	229.46	
27	229.61	229.67	230.08	230.32	230.79	239.21	229.99	230.11	229.84	229.50	229.46	229.46	
28	229.57	229.65	229.80	230.14	230.52	235.92	229.96	231.15	229.85	229.52	229.50	229.46	
29	229.72	229.59	229.68	230.01	230.43	233.39	229.94	230.41	229.75	229.51		229.46	
30	229.96	229.60	229.62	230.25	230.78	235.75	229.90	230.05	229.71	229.51		229.46	
31		229.71		230.57	230.47		229.87		229.74	229.50		229.44	
Mean	229.69	229.99	229.69	231.36	230.98	233.54	232.33	229.84	229.70	229.59	229.61	229.47	
Max	233.78	230.74	230.11	234.82	234.79	240.50	239.95	231.15	229.87	229.83	230.75	229.59	240.50
Min	228.25	229.59	229.41	229.58	229.94	230.31	229.87	229.63	229.53	229.44	229.41	229.37	228.25
Annual Max Momentary Gage Height	240.77		m. (MSL.) ,				at 06.00 Hours, on Sep 26, 2022						
Zero Gage at Bottom Elevation	228.00		m. (MSL.) ,			River Bed	228.13	m. (MSL.)					
Left Bank Elevation		238.82		m. (MSL.) ,									
Right Bank Elevation		238.67		m. (MSL.) ,		Drainage Are	933	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	7.28	8.99	5.20	8.00	12.23	200.00	6.88	6.96	6.64	3.92	3.92		
2	0.00	10.97	7.68	5.12	7.92	10.79	284.42	6.80	6.56	5.44	3.92	3.52		
3	0.00	11.69	7.04	4.64	13.13	11.33	345.90	6.64	6.08	5.12	3.84	3.20		
4	0.00	6.56	6.48	4.72	20.08	15.38	260.64	6.48	5.76	5.12	7.76	3.12		
5	4.96	6.24	6.40	4.80	11.24	22.94	174.90	6.32	5.52	5.12	14.75	3.04		
6	4.88	5.76	5.60	5.68	8.36	65.25	96.28	6.40	5.28	5.04	7.12	2.96		
7	5.20	5.84	5.36	6.88	9.98	27.23	98.20	6.40	5.28	5.12	4.48	3.12		
8	5.60	6.24	5.28	5.12	14.93	14.93	57.20	5.84	5.20	5.60	4.64	4.16		
9	5.44	5.92	5.12	9.80	11.69	31.64	55.80	6.16	5.20	5.28	5.92	4.08		
10	4.80	5.92	4.72	17.00	19.97	139.28	34.86	5.60	5.20	5.04	5.28	3.92		
11	4.32	6.40	4.00	13.58	29.26	190.34	26.57	6.32	5.20	4.96	5.12	3.92		
12	4.24	8.18	3.28	8.81	9.71	128.36	19.53	5.60	4.96	5.12	4.40	3.84		
13	4.64	7.68	3.76	20.85	8.27	87.00	16.28	5.36	4.24	5.12	4.56	3.84		
14	4.72	9.62	4.48	61.80	9.17	54.20	14.57	5.04	4.96	5.52	4.24	3.84		
15	4.64	11.15	4.56	40.04	7.52	36.26	13.85	6.56	4.88	5.28	4.88	3.68		
16	4.56	14.66	4.72	34.58	20.08	24.48	14.12	5.44	5.84	5.12	4.56	3.76		
17	4.56	12.32	5.36	38.50	78.75	18.10	13.49	5.36	5.28	5.04	4.48	4.00		
18	13.22	10.97	6.16	37.66	81.75	19.64	12.05	5.28	5.36	4.08	4.32	3.84		
19	57.60	7.92	5.84	25.47	19.86	27.12	10.88	5.28	5.60	3.52	4.24	3.84		
20	10.61	9.17	5.44	50.60	13.04	21.40	10.61	5.36	5.60	4.48	4.00	4.32		
21	7.12	12.77	4.88	65.00	17.99	40.32	10.34	5.12	5.44	4.24	3.92	4.72		
22	6.80	12.41	4.88	82.50	22.39	35.70	9.35	5.52	5.76	4.16	4.00	4.32		
23	6.72	9.08	5.20	69.50	15.92	63.75	8.99	5.20	5.84	4.08	3.84	3.92		
24	6.64	6.96	5.12	63.50	9.17	51.40	8.63	5.52	6.00	4.24	3.60	3.76		
25	7.12	6.08	4.88	33.88	29.96	149.54	8.27	7.52	5.92	4.16	3.84	3.76		
26	5.68	5.68	5.60	14.93	27.45	418.00	8.00	7.60	5.68	4.00	3.28	3.68		
27	4.88	5.36	8.72	10.88	15.11	276.22	7.92	8.99	6.72	4.00	3.68	3.68		
28	4.56	5.20	6.40	9.26	12.68	116.44	7.68	18.65	6.80	4.16	4.00	3.68		
29	5.76	4.72	5.44	8.09	11.87	49.80	7.52	11.69	6.00	4.08		3.68		
30	7.68	4.80	4.96	10.25	15.02	111.00	7.20	8.45	5.68	4.08		3.68		
31		5.68		13.13	12.23		6.96		5.92	4.00		3.52		
Total	206.95	249.23	166.35	781.77	592.50	2270.07	1851.01	203.38	174.72	146.96	136.59	116.32	6895.85	CMSDAY
Mean	6.90	8.04	5.54	25.22	19.11	75.67	59.71	6.78	5.64	4.74	4.88	3.75	18.89	CMS
Max	57.60	14.66	8.99	82.50	81.75	418.00	345.90	18.65	6.96	6.64	14.75	4.72	418.00	CMS
Min	0.00	4.72	3.28	4.64	7.52	10.79	6.96	5.04	4.24	3.52	3.28	2.96	0.00	CMS
Runoff	17.88	21.53	14.37	67.54	51.19	196.13	159.93	17.57	15.10	12.70	11.80	10.05	595.80	MCM
Momentary Peak	466.60 CMS, at 240.77 m. (MSL.), at 06.00 Hours, on Sep 26, 2022													
Runoff Yield	20.25 Liters/Second/Square KM.			Momentary Peak Yield				500.11	Liters/Second/Square KM.					

WATER YEAR : 2022**CHI RIVER BASIN****Chi River at Ban Nong O , Chaiyaphum (E.32A)**

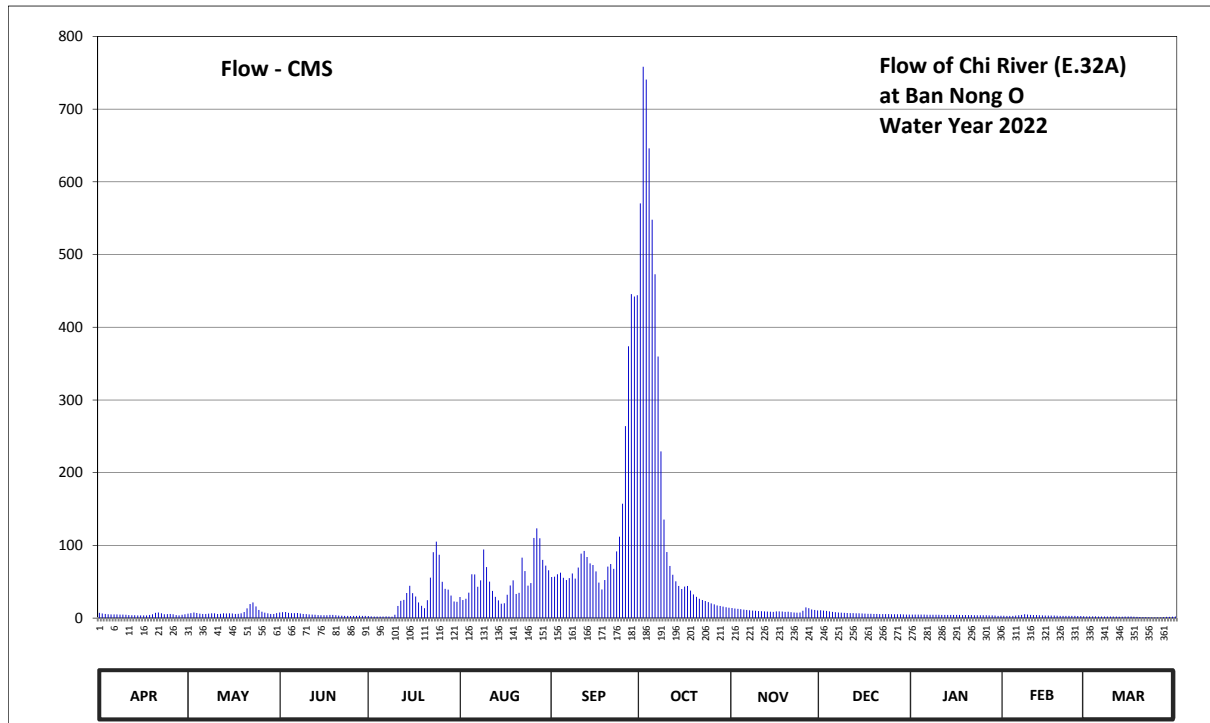
Lat 15 - 54 - 27 N Long 101 - 42 - 29 E

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

	Ban Nong O	Amphoe Ban Khwao	Changwat Chaiyaphum
Drainage Area	2,880 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+198.000 m. (MSL.)		
Bench Mark	B.M.- H.D.		
Location BM	On right bank at the measuring line.	Elevation	+211.607 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1966 to date		
Rating Operation			
Period of Rating	1968 to date		
Rated by Float	-		
Rated by Current Meter	1968 to date		
Stability of Channel Regimes	Fairly stable by some scouring.		
Overbank Flow Conditions	Overbank flow starts at elevation +210.590 m.(MSL.) record are channel flow only.		
General Description	Records fair. Stage-discharge relation defined by 30 discharge measurements made in 2022.		

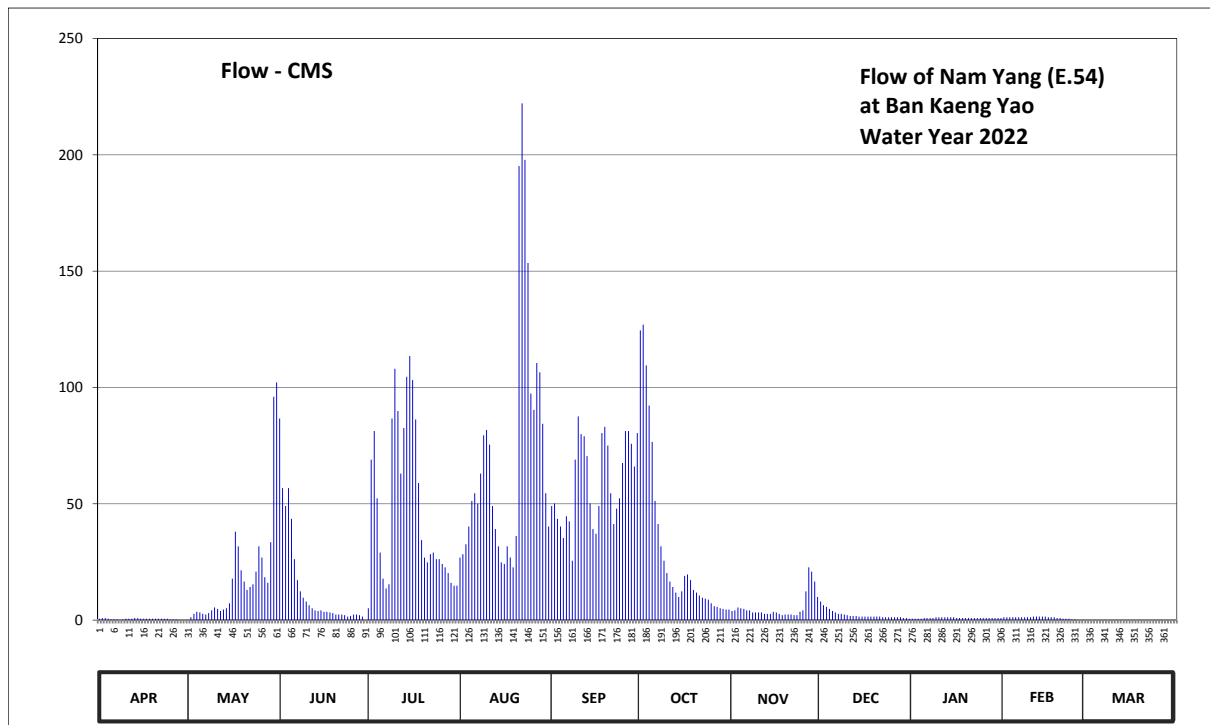
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	199.17	199.06	199.22	198.65	201.20	202.83	209.94	199.88	199.58	198.90	198.71	198.62	
2	199.07	199.12	199.29	198.61	200.85	202.85	210.81	199.82	199.54	198.90	198.70	198.60	
3	199.00	199.24	199.31	198.58	201.01	203.01	210.73	199.77	199.49	198.90	198.70	198.60	
4	198.96	199.16	199.17	198.59	201.62	203.11	210.30	199.73	199.41	198.89	198.70	198.60	
5	198.92	199.05	199.13	198.57	203.01	202.77	209.80	199.67	199.33	198.89	198.73	198.59	
6	198.91	199.00	199.13	198.58	203.00	202.62	209.33	199.61	199.28	198.88	198.79	198.58	
7	198.92	199.01	199.15	198.60	202.12	202.75	208.57	199.57	199.24	198.87	198.85	198.58	
8	198.90	199.04	199.08	198.59	202.60	203.06	207.38	199.54	199.21	198.88	198.94	198.57	
9	198.90	199.10	199.01	198.55	204.44	202.72	205.84	199.50	199.18	198.87	198.89	198.57	
10	198.86	199.09	198.98	198.88	203.44	203.41	204.30	199.46	199.16	198.88	198.85	198.57	
11	198.83	199.00	198.93	200.15	202.51	204.22	203.51	199.43	199.14	198.85	198.83	198.57	
12	198.80	199.03	198.89	200.76	201.78	204.36	202.98	199.40	199.12	198.85	198.82	198.56	
13	198.80	199.10	198.87	200.88	201.21	204.04	202.53	199.38	199.11	198.85	198.80	198.56	
14	198.78	199.08	198.83	201.60	200.81	203.66	202.18	199.35	199.10	198.85	198.77	198.59	
15	198.78	199.10	198.80	202.19	200.41	203.57	201.94	199.33	199.08	198.85	198.74	198.59	
16	198.78	199.07	198.79	201.58	200.48	203.18	202.13	199.41	199.05	198.84	198.73	198.58	
17	198.78	199.00	198.79	201.25	201.44	202.44	202.18	199.42	199.03	198.84	198.74	198.55	
18	198.84	199.03	198.85	200.57	202.21	201.90	201.80	199.38	199.02	198.83	198.73	198.52	
19	198.94	199.11	198.85	200.17	202.60	202.62	201.47	199.33	199.01	198.82	198.72	198.50	
20	199.19	199.31	198.79	199.87	201.52	203.47	201.22	199.36	198.99	198.82	198.70	198.49	
21	199.23	199.85	198.74	200.84	201.61	203.62	201.01	199.29	198.98	198.81	198.70	198.48	
22	199.09	200.38	198.71	202.78	204.01	203.34	200.86	199.24	198.98	198.80	198.70	198.47	
23	198.94	200.57	198.69	204.29	203.20	204.34	200.74	199.21	198.98	198.80	198.70	198.46	
24	198.97	200.09	198.68	204.85	202.20	205.10	200.61	199.24	198.97	198.80	198.69	198.46	
25	198.99	199.63	198.67	204.16	202.40	206.41	200.46	199.52	198.96	198.79	198.68	198.46	
26	198.95	199.36	198.68	202.50	205.04	207.74	200.34	199.97	198.95	198.79	198.67	198.46	
27	198.81	199.21	198.70	201.96	205.48	208.67	200.21	199.87	198.95	198.78	198.65	198.48	
28	198.78	199.11	198.72	201.89	205.03	209.16	200.15	199.68	198.94	198.78	198.63	198.52	
29	198.86	198.99	198.69	201.35	203.87	209.14	200.08	199.61	198.92	198.74		198.53	
30	198.96	199.01	198.68	200.69	203.53	209.15	200.00	199.56	198.90	198.70		198.56	
31		199.14		200.64	203.25		199.93		198.89	198.71		198.58	
Mean	198.92	199.26	198.89	200.68	202.51	204.31	203.66	199.52	199.11	198.83	198.74	198.54	
Max	199.23	200.57	199.31	204.85	205.48	209.16	210.81	199.97	199.58	198.90	198.94	198.62	210.81
Min	198.78	198.99	198.67	198.55	200.41	201.90	199.93	199.21	198.89	198.70	198.63	198.46	198.46
Annual Max Momentary Gage Height	210.88		m. (MSL.) ,			at 17.00 Hours, on Oct 2, 2022							
Zero Gage at Bottom Elevation		198.00	m. (MSL.) ,			River Bed	197.25	m. (MSL.)					
Left Bank Elevation		210.58	m. (MSL.) ,										
Right Bank Elevation		221.57	m. (MSL.) ,			Drainage Are	2,880	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

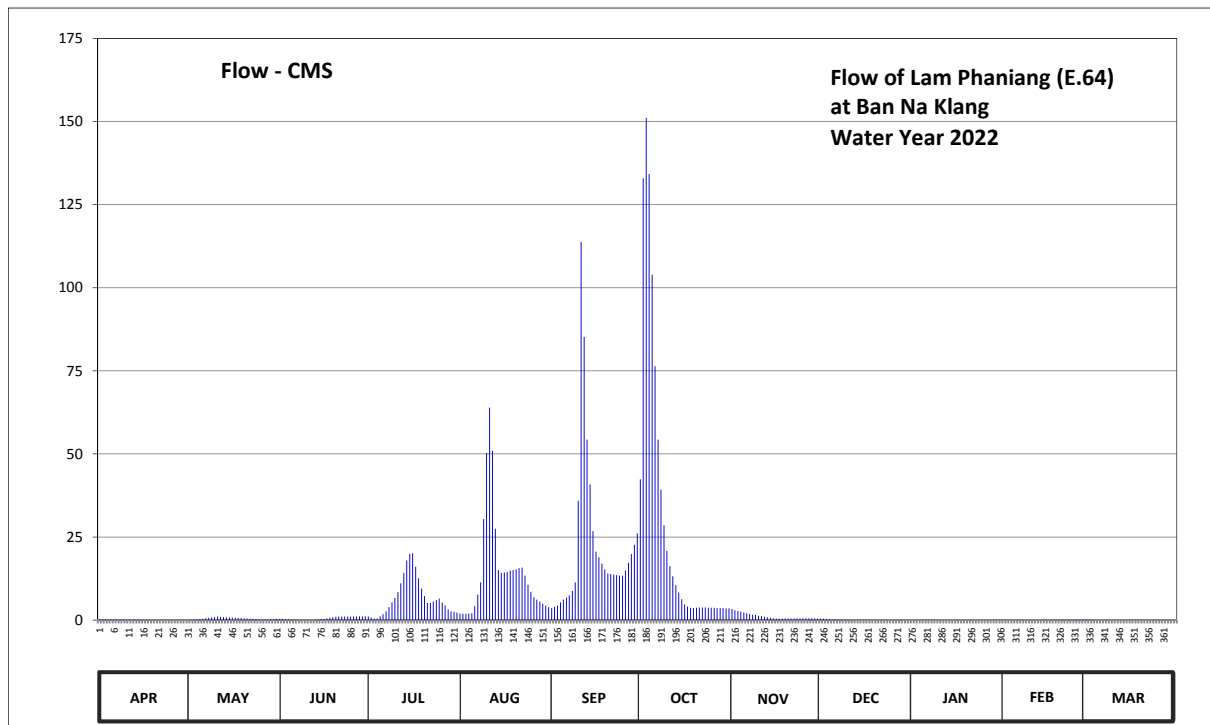
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	7.17	6.23	7.60	2.75	29.10	56.60	570.40	13.80	10.80	4.86	3.25	2.50		
2	6.31	6.74	8.20	2.42	24.78	57.00	758.20	13.20	10.40	4.86	3.17	2.33		
3	5.71	7.77	8.37	2.17	26.63	60.23	740.60	12.70	9.91	4.86	3.17	2.33		
4	5.37	7.09	7.17	2.25	34.92	62.53	646.00	12.30	9.23	4.77	3.17	2.33		
5	5.03	6.14	6.83	2.08	60.23	55.40	548.00	11.70	8.54	4.77	3.42	2.25		
6	4.94	5.71	6.83	2.17	60.00	52.40	472.80	11.10	8.11	4.69	3.92	2.17		
7	5.03	5.80	7.00	2.33	43.16	55.00	359.80	10.70	7.77	4.60	4.43	2.17		
8	4.86	6.06	6.40	2.25	52.00	61.38	229.20	10.40	7.51	4.69	5.20	2.08		
9	4.86	6.57	5.80	1.92	94.44	54.40	135.56	10.00	7.26	4.60	4.77	2.08		
10	4.51	6.49	5.54	4.69	70.12	69.43	90.80	9.66	7.09	4.69	4.43	2.08		
11	4.26	5.71	5.11	16.73	50.20	88.72	71.73	9.40	6.91	4.43	4.26	2.08		
12	4.00	5.97	4.77	23.74	37.48	92.36	59.60	9.14	6.74	4.43	4.17	2.00		
13	4.00	6.57	4.60	25.12	29.23	84.04	50.60	8.97	6.66	4.43	4.00	2.00		
14	3.83	6.40	4.26	34.60	24.32	75.18	44.24	8.71	6.57	4.43	3.75	2.25		
15	3.83	6.57	4.00	44.42	19.72	73.11	40.04	8.54	6.40	4.43	3.50	2.25		
16	3.83	6.31	3.92	34.28	20.52	64.14	43.34	9.23	6.14	4.34	3.42	2.17		
17	3.83	5.71	3.92	29.75	32.22	48.92	44.24	9.31	5.97	4.34	3.50	1.92		
18	4.34	5.97	4.43	21.56	44.78	39.40	37.80	8.97	5.89	4.26	3.42	1.67		
19	5.20	6.66	4.43	16.96	52.00	52.40	32.61	8.54	5.80	4.17	3.33	1.50		
20	7.34	8.37	3.92	13.70	33.32	70.81	29.36	8.80	5.63	4.17	3.17	1.35		
21	7.69	13.50	3.50	24.66	34.76	74.26	26.63	8.20	5.54	4.09	3.17	1.20		
22	6.49	19.37	3.25	55.60	83.26	67.82	24.89	7.77	5.54	4.00	3.17	1.05		
23	5.20	21.56	3.08	90.54	64.60	91.84	23.51	7.51	5.54	4.00	3.17	0.90		
24	5.46	16.04	3.00	105.10	44.60	112.00	22.02	7.77	5.46	4.00	3.08	0.90		
25	5.63	11.30	2.92	87.16	48.20	157.40	20.29	10.20	5.37	3.92	3.00	0.90		
26	5.29	8.80	3.00	50.00	110.20	264.00	18.91	14.70	5.29	3.92	2.92	0.90		
27	4.09	7.51	3.17	40.36	123.40	373.80	17.42	13.70	5.29	3.83	2.75	1.20		
28	3.83	6.66	3.33	39.24	109.90	445.60	16.73	11.80	5.20	3.83	2.58	1.67		
29	4.51	5.63	3.08	31.05	80.01	442.40	15.92	11.10	5.03	3.50		1.75		
30	5.37	5.80	3.00	22.94	72.19	444.00	15.00	10.60	4.86	3.17		2.00		
31		6.91		22.36	65.75		14.30		4.77	3.25		2.17		
Total	151.81	251.92	144.43	854.90	1676.04	3746.57	5220.54	308.52	207.22	132.33	99.29	56.15	12849.72	CMSDAY
Mean	5.06	8.13	4.81	27.58	54.07	124.89	168.40	10.28	6.68	4.27	3.55	1.81	35.20	CMS
Max	7.69	21.56	8.37	105.10	123.40	445.60	758.20	14.70	10.80	4.86	5.20	2.50	758.20	CMS
Min	3.83	5.63	2.92	1.92	19.72	39.40	14.30	7.51	4.77	3.17	2.58	0.90	0.90	CMS
Runoff	13.12	21.77	12.48	73.86	144.81	323.70	451.05	26.66	17.90	11.43	8.58	4.85	1110.22	MCM
Momentary Peak		773.60	CMS, at 210.88 m. (MSL.), at 17.00 Hours, on Oct 2, 2022											
Runoff Yield		12.22	Liters/Second/Square KM.		Momentary Peak Yield		268.61	Liters/Second/Square KM.						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

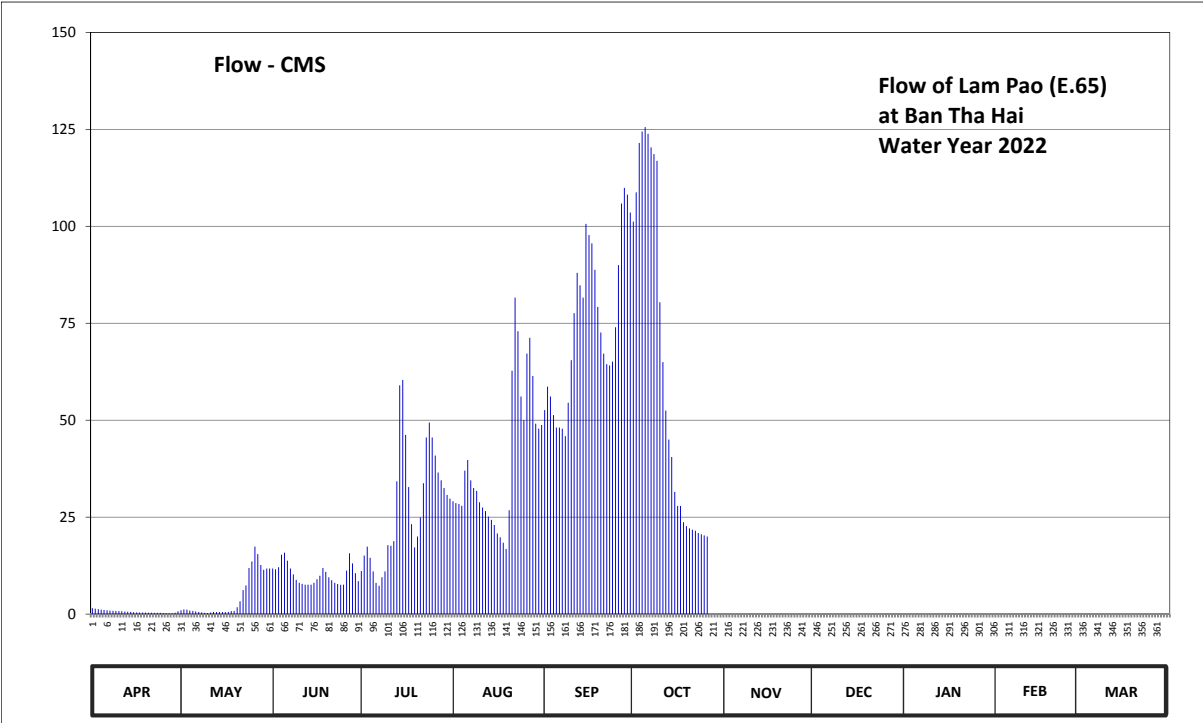
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.60	0.00	86.65	5.10	26.90	49.00	124.50	3.90	8.00	0.60	1.20	0.00		
2	0.90	1.20	56.70	69.00	28.30	50.10	127.00	4.20	6.40	0.60	1.20	0.00		
3	0.90	2.70	49.00	81.25	32.60	43.50	109.50	5.40	5.70	0.60	1.20	0.00		
4	0.60	3.60	56.70	52.30	40.20	40.20	92.23	5.10	4.80	0.60	1.20	0.00		
5	0.30	3.30	43.50	29.00	51.20	35.30	76.60	4.80	3.90	0.90	1.20	0.00		
6	0.30	2.70	26.20	17.80	54.50	44.60	51.20	4.20	3.30	0.90	1.20	0.00		
7	0.30	2.40	17.20	13.60	50.10	42.40	41.30	4.20	2.70	0.90	1.20	0.00		
8	0.00	3.00	12.40	15.40	63.00	25.50	31.70	3.30	2.70	0.90	1.20	0.00		
9	0.30	4.20	9.60	86.65	79.45	69.00	25.50	3.30	2.40	1.20	1.20	0.00		
10	0.60	5.40	8.00	108.00	81.70	87.55	20.20	3.30	2.10	1.20	1.20	0.00		
11	0.60	4.80	6.40	89.88	75.40	79.90	16.60	3.30	1.80	1.20	1.50	0.00		
12	0.60	3.90	5.10	63.00	49.00	79.00	14.20	2.70	1.80	1.20	1.50	0.00		
13	0.90	4.50	4.20	82.60	39.10	70.50	11.80	2.70	1.80	1.20	1.50	0.00		
14	0.90	5.10	3.90	104.60	31.70	50.10	10.00	2.70	1.50	1.20	1.50	0.00		
15	0.60	7.20	4.20	113.50	24.80	39.10	12.40	3.60	1.50	1.20	1.50	0.00		
16	0.60	17.80	3.60	103.16	24.10	37.10	19.00	3.30	1.50	0.90	1.20	0.00		
17	0.60	38.00	3.60	86.20	31.70	49.00	19.60	2.70	1.50	0.90	1.20	0.00		
18	0.60	31.70	3.30	58.90	26.90	80.35	17.20	2.10	1.50	0.90	1.20	0.00		
19	0.60	21.40	3.00	34.40	22.70	83.05	13.00	2.40	1.50	0.90	0.90	0.00		
20	0.60	16.60	2.40	26.90	36.20	75.00	11.80	2.40	1.50	0.90	0.90	0.00		
21	0.60	13.00	2.40	24.80	195.16	54.50	10.60	2.40	1.50	0.90	0.60	0.00		
22	0.60	14.20	2.40	28.30	222.10	41.30	9.60	2.10	1.20	0.90	0.60	0.00		
23	0.60	15.40	2.10	29.00	197.81	47.90	9.20	2.10	1.20	0.90	0.60	0.00		
24	0.60	20.80	1.50	26.20	153.50	52.30	8.80	3.60	1.20	0.90	0.30	0.00		
25	0.30	31.70	1.80	26.20	97.40	67.50	7.20	4.20	1.20	0.90	0.30	0.00		
26	0.30	26.90	2.40	24.10	90.35	81.25	6.00	12.40	1.20	0.90	0.00	0.00		
27	0.30	18.40	2.40	22.70	110.50	81.25	5.70	22.70	1.20	0.90	0.00	0.00		
28	0.00	16.00	2.10	20.20	106.52	75.80	5.10	20.80	1.20	0.90	0.00	0.00		
29	0.00	33.50	1.50	16.00	84.40	66.00	4.80	16.60	0.90	0.90	0.00	0.00		
30	0.00	95.99	0.00	14.80	54.50	80.35	4.50	10.00	0.90	0.90	0.00	0.00		
31		102.20		14.80	40.20		4.50		0.60	0.90		0.00		
Total	14.70	567.59	424.25	1488.34	2221.99	1778.40	921.33	166.50	70.20	28.80	27.30	0.00	7709.40	CMSDAY
Mean	0.49	18.31	14.14	48.01	71.68	59.28	29.72	5.55	2.26	0.93	0.97	0.00	21.12	CMS
Max	0.90	102.20	86.65	113.50	222.10	87.55	127.00	22.70	8.00	1.20	1.50	0.00	222.10	CMS
Min	0.00	0.00	0.00	5.10	22.70	25.50	4.50	2.10	0.60	0.60	0.00	0.00	0.00	CMS
Runoff	1.27	49.04	36.66	128.59	191.98	153.65	79.60	14.39	6.07	2.49	2.36	0.00	666.09	MCM
Momentary Peak	239.15		CMS, at 144.53 m. (MSL.), at 23.00 Hours, on Aug 21, 2022											
Runoff Yield	14.01		Liters/Second/Square KM.				Momentary Peak Yield		158.59		Liters/Second/Square KM.			

Gage Height in Meter (MSL.)														Water Year April 1, 2022 to March 31, 2023	
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	256.97	256.90	257.00	257.14	257.29	257.48	259.18	257.45	257.02	256.90	256.87	256.93		
	2	256.97	256.92	256.99	257.08	257.29	257.52	260.13	257.42	257.01	256.90	256.87	256.92		
	3	256.97	256.94	256.98	257.02	257.29	257.56	260.27	257.39	257.00	256.90	256.87	256.91		
	4	256.96	256.96	256.96	257.02	257.29	257.65	260.14	257.37	256.97	256.90	256.88	256.90		
	5	256.96	256.98	256.94	257.14	257.31	257.72	259.89	257.34	256.94	256.90	256.88	256.90		
	6	256.96	257.01	256.93	257.26	257.54	257.77	259.64	257.31	256.95	256.90	256.88	256.89		
	7	256.95	257.03	256.92	257.38	257.85	257.83	259.38	257.27	256.93	256.89	256.88	256.88		
	8	256.95	257.05	256.91	257.51	258.13	257.94	259.12	257.24	256.93	256.89	256.89	256.87		
	9	256.95	257.08	256.90	257.65	258.91	258.13	258.86	257.22	256.92	256.89	256.89	256.86		
	10	256.94	257.10	256.89	257.76	259.32	259.05	258.61	257.18	256.92	256.89	256.89	256.85		
	11	256.94	257.13	256.88	257.91	259.51	259.98	258.42	257.16	256.91	256.89	256.90	256.84		
	12	256.94	257.11	256.90	258.11	259.33	259.72	258.25	257.12	256.91	256.89	256.90	256.82		
	13	256.93	257.10	256.93	258.31	258.83	259.38	258.07	257.09	256.90	256.89	256.90	256.80		
	14	256.93	257.09	256.96	258.49	258.36	259.15	257.90	257.06	256.90	256.89	256.90	256.79		
	15	256.92	257.08	256.98	258.57	258.31	258.81	257.73	257.03	256.89	256.89	256.91	256.78		
	16	256.92	257.07	257.00	258.58	258.32	258.60	257.59	257.02	256.89	256.89	256.91	256.77		
	17	256.92	257.06	257.03	258.41	258.33	258.53	257.53	257.02	256.89	256.89	256.91	256.76		
	18	256.91	257.05	257.06	258.21	258.35	258.45	257.49	257.02	256.88	256.89	256.92	256.75		
	19	256.91	257.04	257.09	258.00	258.36	258.37	257.48	257.02	256.88	256.89	256.92	256.74		
	20	256.90	257.03	257.12	257.81	258.37	258.30	257.49	257.02	256.88	256.89	256.92	256.72		
	21	256.90	257.02	257.13	257.63	258.39	258.29	257.50	257.02	256.88	256.88	256.93	256.69		
	22	256.90	257.00	257.13	257.63	258.40	258.28	257.50	257.02	256.88	256.88	256.93	256.64		
	23	256.90	256.99	257.13	257.67	258.26	258.27	257.50	257.03	256.88	256.88	256.93	256.59		
	24	256.90	256.98	257.13	257.71	258.08	258.26	257.49	257.03	256.88	256.88	256.94	256.54		
	25	256.90	256.97	257.13	257.75	257.92	258.26	257.49	257.03	256.89	256.88	256.94	256.41		
	26	256.90	256.96	257.14	257.64	257.78	258.35	257.49	257.03	256.89	256.88	256.94	256.35		
	27	256.90	256.95	257.14	257.56	257.72	258.46	257.48	257.03	256.89	256.88	256.94	256.35		
	28	256.90	256.96	257.14	257.44	257.67	258.57	257.48	257.03	256.89	256.88	256.94	256.36		
	29	256.90	256.97	257.14	257.38	257.61	258.68	257.48	257.02	256.90	256.88		256.36		
	30	256.90	256.98	257.15	257.36	257.56	258.79	257.47	257.02	256.90	256.87		256.37		
	31		256.99		257.33	257.51		257.47		256.90	256.87		256.37		
Mean		256.93	257.02	257.02	257.69	258.10	258.41	258.24	257.13	256.91	256.89	256.91	256.70		
Max		256.97	257.13	257.15	258.58	259.51	259.98	260.27	257.45	257.02	256.90	256.94	256.93	260.27	
Min		256.90	256.90	256.88	257.02	257.29	257.48	257.47	257.02	256.88	256.87	256.87	256.35	256.35	
Annual Max Momentary Gage Height			260.35	m. (MSL.) , at 16.00 Hours, on Oct 2, 2022											
Zero Gage at Bottom Elevation			254.50	m. (MSL.) , River Bed 255.71 m. (MSL.)											
Left Bank Elevation			258.89	m. (MSL.) ,											
Right Bank Elevation			259.67	m. (MSL.) , Drainage Are 372 Square Kilometers											



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.28	0.00	0.40	1.10	1.94	3.60	42.36	3.30	0.50	0.00	0.00	0.12	
2	0.28	0.08	0.36	0.80	1.94	4.00	132.90	3.00	0.45	0.00	0.00	0.08	
3	0.28	0.16	0.32	0.50	1.94	4.40	151.10	2.72	0.40	0.00	0.00	0.04	
4	0.24	0.24	0.24	0.50	1.94	5.35	134.20	2.56	0.28	0.00	0.00	0.00	
5	0.24	0.32	0.16	1.10	2.08	6.14	103.90	2.32	0.16	0.00	0.00	0.00	
6	0.24	0.45	0.12	1.76	4.20	6.74	76.40	2.08	0.20	0.00	0.00	0.00	
7	0.20	0.55	0.08	2.64	7.70	7.46	54.28	1.82	0.12	0.00	0.00	0.00	
8	0.20	0.65	0.04	3.90	11.35	8.78	39.24	1.64	0.12	0.00	0.00	0.00	
9	0.20	0.80	0.00	5.35	30.36	11.35	28.56	1.52	0.08	0.00	0.00	0.00	
10	0.16	0.90	0.00	6.62	50.32	35.90	20.86	1.30	0.08	0.00	0.00	0.00	
11	0.16	1.05	0.00	8.42	63.90	113.80	16.28	1.20	0.04	0.00	0.00	0.00	
12	0.16	0.95	0.00	11.05	50.98	85.20	13.20	1.00	0.04	0.00	0.00	0.00	
13	0.12	0.90	0.12	14.18	27.48	54.28	10.48	0.85	0.00	0.00	0.00	0.00	
14	0.12	0.85	0.24	17.96	15.08	40.80	8.30	0.70	0.00	0.00	0.00	0.00	
15	0.08	0.80	0.32	19.88	14.18	26.76	6.26	0.55	0.00	0.00	0.04	0.00	
16	0.08	0.75	0.40	20.12	14.36	20.60	4.70	0.50	0.00	0.00	0.04	0.00	
17	0.08	0.70	0.55	16.04	14.54	18.92	4.10	0.50	0.00	0.00	0.04	0.00	
18	0.04	0.65	0.70	12.56	14.90	17.00	3.70	0.50	0.00	0.00	0.08	0.00	
19	0.04	0.60	0.85	9.50	15.08	15.26	3.60	0.50	0.00	0.00	0.08	0.00	
20	0.00	0.55	1.00	7.22	15.26	14.00	3.70	0.50	0.00	0.00	0.08	0.00	
21	0.00	0.50	1.05	5.13	15.62	13.84	3.80	0.50	0.00	0.00	0.12	0.00	
22	0.00	0.40	1.05	5.13	15.80	13.68	3.80	0.50	0.00	0.00	0.12	0.00	
23	0.00	0.36	1.05	5.57	13.36	13.52	3.80	0.55	0.00	0.00	0.12	0.00	
24	0.00	0.32	1.05	6.02	10.62	13.36	3.70	0.55	0.00	0.00	0.16	0.00	
25	0.00	0.28	1.05	6.50	8.54	13.36	3.70	0.55	0.00	0.00	0.16	0.00	
26	0.00	0.24	1.10	5.24	6.86	14.90	3.70	0.55	0.00	0.00	0.16	0.00	
27	0.00	0.20	1.10	4.40	6.14	17.24	3.60	0.55	0.00	0.00	0.16	0.00	
28	0.00	0.24	1.10	3.20	5.57	19.88	3.60	0.55	0.00	0.00	0.16	0.00	
29	0.00	0.28	1.10	2.64	4.91	22.68	3.60	0.50	0.00	0.00		0.00	
30	0.00	0.32	1.15	2.48	4.40	26.08	3.50	0.50	0.00	0.00		0.00	
31		0.36		2.24	3.90		3.50		0.00	0.00		0.00	
Total	3.20	15.45	16.70	209.75	455.25	668.88	898.42	34.36	2.47	0.00	1.52	0.24	2306.24 CMSDAY
Mean	0.11	0.50	0.56	6.77	14.69	22.30	28.98	1.15	0.08	0.00	0.05	0.01	6.32 CMS
Max	0.28	1.05	1.15	20.12	63.90	113.80	151.10	3.30	0.50	0.00	0.16	0.12	151.10 CMS
Min	0.00	0.00	0.00	0.50	1.94	3.60	3.50	0.50	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.28	1.33	1.44	39.33	57.79	77.62	2.97	0.21	0.00	0.13	0.02	199.26	MCM
Momentary Peak	161.50	CMS, at 260.35 m. (MSL.), at 16.00 Hours, on Oct 2, 2022											
Runoff Yield	16.99	Liters/Second/Square KM.		Momentary Peak Yield		434.14	Liters/Second/Square KM.						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.54	0.98	11.77	11.11	29.08	52.60	101.22	0.00	0.00	0.00	0.00	0.00	
2	1.42	1.21	11.55	15.10	28.62	58.68	108.76	0.00	0.00	0.00	0.00	0.00	
3	1.27	1.15	12.10	17.40	28.39	56.12	121.52	0.00	0.00	0.00	0.00	0.00	
4	1.15	0.92	15.29	14.53	27.93	51.32	124.42	0.00	0.00	0.00	0.00	0.00	
5	1.09	0.82	15.86	11.00	37.00	48.12	125.58	0.00	0.00	0.00	0.00	0.00	
6	0.98	0.70	13.77	8.03	39.75	48.12	123.84	0.00	0.00	0.00	0.00	0.00	
7	0.92	0.58	11.77	7.31	34.50	47.80	120.36	0.00	0.00	0.00	0.00	0.00	
8	0.86	0.46	10.23	9.50	32.50	45.88	118.62	0.00	0.00	0.00	0.00	0.00	
9	0.82	0.32	8.82	11.00	31.75	54.52	116.88	0.00	0.00	0.00	0.00	0.00	
10	0.78	0.30	8.10	17.80	28.85	65.46	80.40	0.00	0.00	0.00	0.00	0.00	
11	0.72	0.40	7.81	17.60	27.47	77.60	65.00	0.00	0.00	0.00	0.00	0.00	
12	0.66	0.56	7.60	18.80	26.55	88.00	52.50	0.00	0.00	0.00	0.00	0.00	
13	0.60	0.54	7.60	34.25	25.18	84.80	45.00	0.00	0.00	0.00	0.00	0.00	
14	0.56	0.54	7.60	59.00	24.30	81.60	40.50	0.00	0.00	0.00	0.00	0.00	
15	0.50	0.54	8.10	60.36	22.98	100.64	31.50	0.00	0.00	0.00	0.00	0.00	
16	0.46	0.54	9.00	46.20	20.80	97.74	27.90	0.00	0.00	0.00	0.00	0.00	
17	0.42	0.56	9.90	32.75	19.80	95.60	27.90	0.00	0.00	0.00	0.00	0.00	
18	0.40	0.80	11.88	23.20	18.40	88.80	23.70	0.00	0.00	0.00	0.00	0.00	
19	0.40	0.82	10.89	17.20	16.81	79.20	22.70	0.00	0.00	0.00	0.00	0.00	
20	0.36	1.78	9.50	20.00	26.78	72.60	22.10	0.00	0.00	0.00	0.00	0.00	
21	0.36	3.31	8.74	24.96	62.74	67.16	21.80	0.00	0.00	0.00	0.00	0.00	
22	0.34	6.17	8.10	33.75	81.60	64.44	21.50	0.00	0.00	0.00	0.00	0.00	
23	0.32	7.39	7.74	45.56	72.94	64.10	20.90	0.00	0.00	0.00	0.00	0.00	
24	0.32	11.88	7.53	49.40	56.12	65.12	20.60	0.00	0.00	0.00	0.00	0.00	
25	0.30	13.58	7.60	45.56	50.04	73.96	20.30	0.00	0.00	0.00	0.00	0.00	
26	0.24	17.40	11.22	40.90	67.16	90.00	20.00	0.00	0.00	0.00	0.00	0.00	
27	0.22	15.48	15.67	36.50	71.24	105.86	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.22	12.65	13.09	34.50	61.38	109.92	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.36	11.44	10.56	32.50	49.08	108.18	0.00	0.00	0.00	0.00	0.00	0.00	
30	0.74	11.77	8.50	30.75	47.80	103.54	0.00	0.00	0.00	0.00	0.00	0.00	
31		11.77		29.77	48.76		0.00		0.00	0.00		0.00	
Total	19.33	137.36	307.89	856.29	1216.30	2247.48	1625.50	0.00	0.00	0.00	0.00	0.00	6410.15
Mean	0.64	4.43	10.26	27.62	39.24	74.92	52.44	0.00	0.00	0.00	0.00	0.00	17.56
Max	1.54	17.40	15.86	60.36	81.60	109.92	125.58	0.00	0.00	0.00	0.00	0.00	125.58
Min	0.22	0.30	7.53	7.31	16.81	45.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Runoff	1.67	11.87	26.60	73.98	105.09	194.18	140.44	0.00	0.00	0.00	0.00	0.00	553.84
Momentary Peak	CMS, at 165.52 m. (MSL.), at 24.00 Hours, on Oct 4, 2022												
Runoff Yield	8.07 Liters/Second/Square KM.			Momentary Peak Yield				57.98 Liters/Second/Square KM.					

WATER YEAR : 2022

CHI RIVER BASIN

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

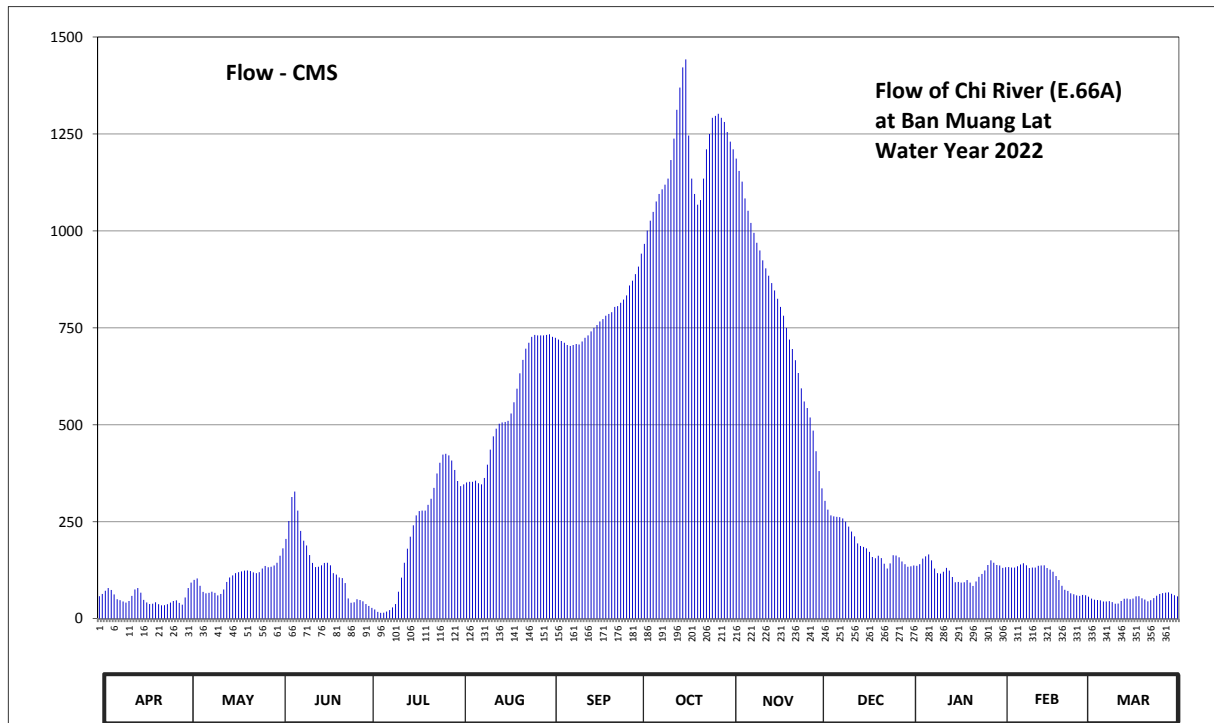
Lat 16 - 12 - 30 N Long 103 - 31 - 40 E

Location : on right bank at the bridge.

	Ban	Muang Lat	Amphoe	Chang Han	Changwat	Roi Et
Drainage Area	31,787	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+126.900	m. (MSL.)				
Bench Mark	B.M.- Highways Dept.					
Location BM	On right bank at the abutment of the bridge.				Elevation	+143.058 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1999 to date					
Rating Operation						
Period of Rating	1999 to date					
Rated by Float	-					
Rated by Current Meter	1999 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +139.850 m.(MSL.), record are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 40 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	131.05	131.39	132.70	130.53	134.88	138.48	139.61	140.40	134.82	132.32	132.25	131.03	
2	131.14	131.62	132.99	130.42	134.93	138.46	139.70	140.34	134.47	132.31	132.26	130.93	
3	131.28	131.74	133.31	130.33	134.98	138.42	139.82	140.26	134.23	132.37	132.24	130.87	
4	131.39	131.80	133.90	130.20	135.00	138.39	139.91	140.19	134.07	132.59	132.24	130.85	
5	131.31	131.49	134.58	130.15	135.00	138.35	139.99	140.08	134.04	132.68	132.29	130.83	
6	131.12	131.23	134.73	130.16	135.03	138.30	140.06	140.00	134.03	132.75	132.36	130.77	
7	130.90	131.17	134.20	130.22	134.96	138.28	140.11	139.89	134.02	132.52	132.41	130.77	
8	130.84	131.19	133.58	130.30	134.93	138.30	140.14	139.80	133.98	132.20	132.33	130.79	
9	130.77	131.24	133.25	130.45	135.10	138.32	140.17	139.71	133.88	132.02	132.22	130.74	
10	130.71	131.19	133.09	130.63	135.45	138.31	140.21	139.64	133.72	132.00	132.24	130.65	
11	130.80	131.08	132.73	131.24	135.84	138.38	140.33	139.55	133.56	132.08	132.24	130.66	
12	131.06	131.14	132.42	131.83	136.17	138.46	140.47	139.47	133.40	132.23	132.31	130.80	
13	131.33	131.33	132.26	132.43	136.36	138.51	140.62	139.38	133.16	132.12	132.32	130.92	
14	131.39	131.65	132.27	132.98	136.48	138.58	140.73	139.29	133.07	131.86	132.33	130.93	
15	131.20	131.84	132.33	133.39	136.51	138.64	140.83	139.20	133.04	131.64	132.22	130.90	
16	130.86	131.93	132.42	133.76	136.52	138.69	140.87	139.10	132.99	131.65	132.16	130.93	
17	130.72	132.02	132.43	134.07	136.55	138.75	140.49	139.00	132.85	131.62	132.08	131.04	
18	130.63	132.06	132.33	134.19	136.73	138.79	140.21	138.85	132.65	131.64	131.90	131.05	
19	130.65	132.09	132.02	134.20	137.00	138.85	140.11	138.64	132.60	131.73	131.73	130.95	
20	130.73	132.12	131.96	134.20	137.31	138.88	140.04	138.42	132.70	131.62	131.49	130.88	
21	130.62	132.13	131.84	134.36	137.66	138.91	140.07	138.21	132.61	131.48	131.32	130.78	
22	130.56	132.10	131.81	134.53	137.97	139.00	140.21	137.96	132.39	131.67	131.27	130.84	
23	130.57	132.05	131.60	134.83	138.22	139.01	140.40	137.67	132.20	131.87	131.17	130.96	
24	130.62	132.02	130.94	135.22	138.35	139.05	140.50	137.32	132.40	131.99	131.13	131.07	
25	130.71	132.06	130.70	135.50	138.48	139.09	140.58	137.02	132.72	132.13	131.08	131.14	
26	130.80	132.20	130.73	135.71	138.52	139.14	140.59	136.86	132.71	132.34	131.06	131.18	
27	130.83	132.30	130.90	135.73	138.51	139.26	140.60	136.63	132.64	132.52	131.10	131.20	
28	130.69	132.25	130.85	135.69	138.51	139.32	140.58	136.31	132.48	132.43	131.09	131.21	
29	130.60	132.27	130.78	135.56	138.51	139.40	140.56	135.80	132.37	132.34		131.15	
30	130.99	132.32	130.63	135.31	138.52	139.49	140.51	135.28	132.27	132.32		131.09	
31		132.43		135.02	138.53		140.45		132.29	132.23		131.04	
Mean	130.90	131.79	132.34	133.00	136.69	138.73	140.31	138.68	133.17	132.11	131.89	130.93	
Max	131.39	132.43	134.73	135.73	138.53	139.49	140.87	140.40	134.82	132.75	132.41	131.21	140.87
Min	130.56	131.08	130.63	130.15	134.88	138.28	139.61	135.28	132.20	131.48	131.06	130.65	130.15
Annual Max Momentary Gage Height	140.88		m. (MSL.) ,		at 06.00 Hours, on Oct 16, 2022								
Zero Gage at Bottom Elevation	126.90		m. (MSL.) ,		River Bed		127.50	m. (MSL.)					
Left Bank Elevation	139.84		m. (MSL.) ,										
Right Bank Elevation	140.50		m. (MSL.) ,		Drainage Are		31,787	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	58.05	78.79	162.20	32.91	341.84	726.68	941.24	1210.40	336.26	137.12	132.50	56.83		
2	63.54	92.82	181.34	27.74	346.49	724.36	966.80	1186.64	303.71	136.46	133.16	51.71		
3	72.08	100.14	205.56	23.51	351.14	719.72	1000.88	1154.96	281.39	140.42	131.84	48.89		
4	78.79	103.80	252.00	17.40	353.00	716.24	1026.44	1127.24	266.51	154.94	131.84	47.95		
5	73.91	84.89	313.94	15.05	353.00	711.60	1049.16	1083.68	263.72	160.88	135.14	47.01		
6	62.32	69.03	327.89	15.52	355.94	705.80	1075.76	1052.00	262.79	165.50	139.76	44.19		
7	50.30	65.37	278.60	18.34	349.28	703.48	1095.56	1020.76	261.86	150.32	143.06	44.19		
8	47.48	66.59	226.40	22.10	346.49	705.80	1107.44	995.20	258.40	129.20	137.78	45.13		
9	44.19	69.64	201.00	29.15	362.80	708.12	1119.32	969.64	250.40	117.32	130.52	42.78		
10	41.37	66.59	188.84	37.61	397.10	706.96	1135.16	949.76	237.60	116.00	131.84	38.55		
11	45.60	59.88	164.18	69.64	436.00	715.08	1182.68	924.20	224.80	121.28	131.84	39.02		
12	58.66	63.54	143.72	105.63	470.02	724.36	1238.12	903.64	212.40	131.18	136.46	45.60		
13	75.13	75.13	133.16	144.38	490.16	730.50	1312.40	884.56	194.16	123.92	137.12	51.24		
14	78.79	94.65	133.82	180.68	502.88	741.00	1369.60	865.48	187.32	107.46	137.78	51.71		
15	67.20	106.24	137.78	211.64	506.06	750.00	1421.60	846.40	185.04	94.04	130.52	50.30		
16	48.42	111.73	143.72	240.80	507.12	757.50	1442.40	825.20	181.34	94.65	126.56	51.71		
17	41.84	117.32	144.38	266.51	510.30	766.50	1246.04	804.00	172.10	92.82	121.28	57.44		
18	37.61	119.96	137.78	277.67	529.38	772.50	1135.16	781.50	158.90	94.04	109.90	58.05		
19	38.55	121.94	117.32	278.60	558.00	781.50	1095.56	750.00	155.60	99.53	99.53	52.65		
20	42.31	123.92	113.56	278.60	593.03	786.00	1067.84	719.72	162.20	92.82	84.89	49.36		
21	37.14	124.58	106.24	293.48	632.58	790.50	1079.72	695.36	156.26	84.28	74.52	44.66		
22	34.32	122.60	104.41	309.29	667.61	804.00	1135.16	666.48	141.74	95.87	71.47	47.48		
23	34.79	119.30	91.60	337.19	696.52	806.12	1210.40	633.71	129.20	108.07	65.37	53.12		
24	37.14	117.32	52.18	374.56	711.60	814.60	1250.00	594.16	142.40	115.39	62.93	59.27		
25	41.37	119.96	40.90	402.00	726.68	823.08	1291.60	560.26	163.52	124.58	59.88	63.54		
26	45.60	129.20	42.31	423.00	732.00	833.68	1296.80	543.16	162.86	138.44	58.66	65.98		
27	47.01	135.80	50.30	425.00	730.50	859.12	1302.00	518.78	158.24	150.32	61.10	67.20		
28	40.43	132.50	47.95	421.00	730.50	871.84	1291.60	484.86	147.68	144.38	60.49	67.81		
29	36.20	133.82	44.66	408.00	730.50	888.80	1281.20	432.00	140.42	138.44		64.15		
30	54.53	137.12	37.61	383.38	732.00	907.88	1255.20	380.44	133.82	137.12		60.49		
31		144.38		354.96	733.50		1230.20		135.14	131.18		57.44		
Total	1534.67	3208.55	4325.35	6425.34	16484.02	23053.32	36653.04	24564.19	6167.78	3827.97	3077.74	1625.45	130947.42	CMSDAY
Mean	51.16	103.50	144.18	207.27	531.74	768.44	1182.36	818.81	198.96	123.48	109.92	52.43	358.76	CMS
Max	78.79	144.38	327.89	425.00	733.50	907.88	1442.40	1210.40	336.26	165.50	143.06	67.81	1442.40	CMS
Min	34.32	59.88	37.61	15.05	341.84	703.48	941.24	380.44	129.20	84.28	58.66	38.55	15.05	CMS
Runoff	132.60	277.22	373.71	555.15	1424.22	1991.81	3166.82	2122.35	532.90	330.74	265.92	140.44	11313.86	MCM
Momentary Peak	1447.60	CMS, at 140.88 m. (MSL.), at 06.00 Hours, on Oct 16, 2022												
Runoff Yield	11.29	Liters/Second/Square KM.				Momentary Peak Yield	45.54	Liters/Second/Square KM.						

WATER YEAR : 2022**CHI RIVER BASIN****Lam Phan Chat at Ban Tha Ngam, Kalasin (E.67)**

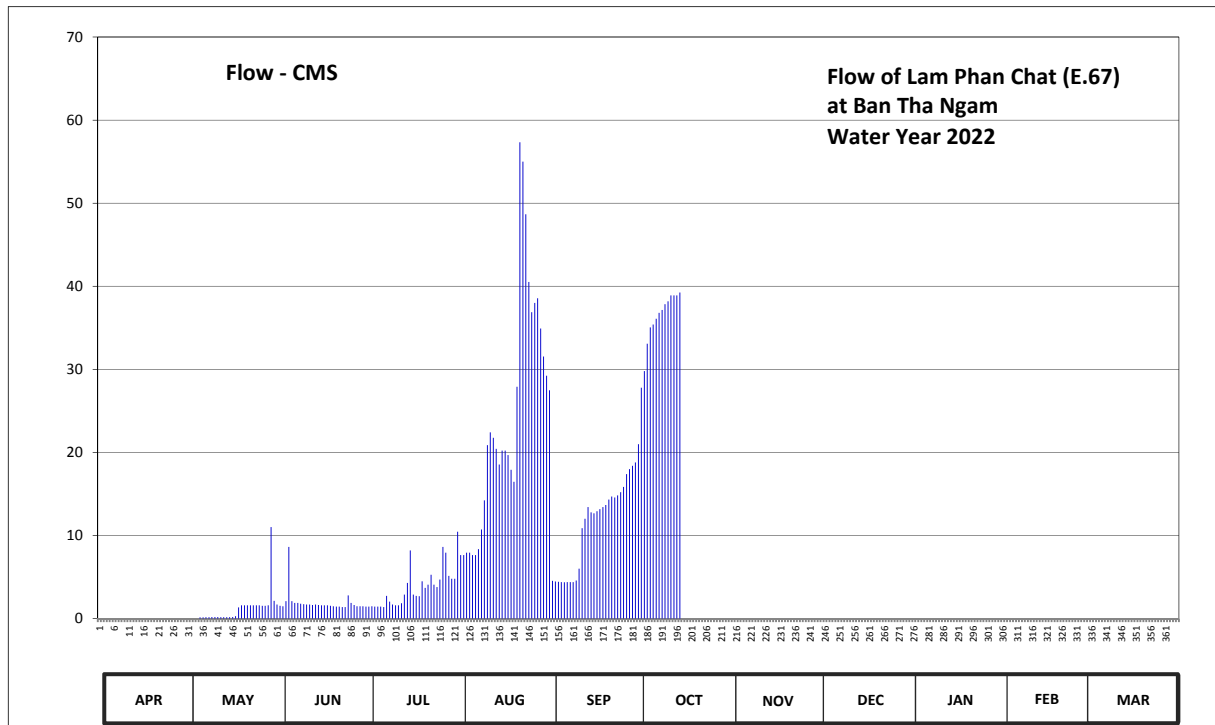
Lat 16 - 57 - 14 N Long 103 - 29 - 38 E

Location : on left bank at the bridge on road.

	Ban	Tha Ngam	Amphoe	Kham Muang	Changwat	Kalasin
Drainage Area	478	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+158.870 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On left bank downstream side at the abutment of the bridge.				Elevation	+172.518 m. (MSL.)
Gage Reading Frequency	Recording.					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1983 to date.					
Rating Operation						
Period of Rating	1987 to date.					
Rated by Flot	-					
Rated by Current Meter	1987 to date.					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow effected by Lam Pao Dam.					
	Stage-discharge relation defined by 36 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	159.83	159.79	160.51	160.49	161.19	162.32	163.99	164.21	164.13	163.86	163.27	162.44	
2	159.79	159.77	160.50	160.50	161.19	162.29	164.06	164.21	164.12	163.84	163.25	162.40	
3	159.77	159.80	160.62	160.49	161.21	162.27	164.17	164.20	164.12	163.82	163.23	162.36	
4	159.74	159.89	161.26	160.49	161.21	162.26	164.23	164.20	164.11	163.80	163.22	162.32	
5	159.72	160.08	160.62	160.49	161.19	162.25	164.24	164.20	164.11	163.78	163.19	162.27	
6	159.71	160.08	160.58	160.48	161.19	162.26	164.26	164.19	164.11	163.76	163.17	162.22	
7	159.69	160.09	160.58	160.75	161.24	162.26	164.28	164.19	164.10	163.74	163.15	162.17	
8	159.68	160.09	160.56	160.61	161.41	162.26	164.29	164.18	164.10	163.72	163.13	162.12	
9	159.68	160.10	160.55	160.54	161.64	162.34	164.31	164.18	164.09	163.70	163.10	162.06	
10	159.67	160.10	160.54	160.52	162.04	162.58	164.32	164.17	164.09	163.69	163.09	162.00	
11	159.67	160.10	160.54	160.52	162.11	162.96	164.34	164.17	164.09	163.67	163.06	161.94	
12	159.67	160.09	160.53	160.57	162.08	163.05	164.34	164.17	164.08	163.65	163.03	161.88	
13	159.66	160.09	160.54	160.78	162.02	163.16	164.34	164.17	164.07	163.63	162.99	161.82	
14	159.66	160.09	160.53	160.93	161.91	163.11	164.35	164.17	164.06	163.61	162.95	161.76	
15	159.66	160.09	160.52	161.23	162.01	163.10	164.36	164.17	164.04	163.59	162.91	161.73	
16	159.67	160.10	160.52	160.78	162.01	163.12	164.36	164.16	164.02	163.58	162.88	161.70	
17	159.66	160.15	160.52	160.75	161.98	163.14	164.36	164.16	164.00	163.56	162.84	161.67	
18	159.66	160.47	160.51	160.74	161.87	163.16	164.36	164.16	163.99	163.54	162.81	161.65	
19	159.66	160.52	160.50	160.95	161.78	163.18	164.36	164.16	163.97	163.52	162.78	161.62	
20	159.66	160.52	160.49	160.87	162.36	163.23	164.34	164.15	163.96	163.51	162.74	161.60	
21	159.66	160.52	160.49	160.91	163.37	163.26	164.34	164.15	163.96	163.49	162.71	161.57	
22	159.66	160.52	160.48	161.02	163.30	163.25	164.32	164.15	163.95	163.47	162.67	161.52	
23	159.66	160.52	160.48	160.91	163.11	163.27	164.31	164.15	163.95	163.46	162.64	161.48	
24	159.65	160.52	160.76	160.88	162.84	163.30	164.30	164.14	163.94	163.44	162.61	161.43	
25	159.65	160.52	160.58	160.97	162.71	163.35	164.29	164.14	163.94	163.43	162.57	161.39	
26	159.64	160.51	160.53	161.26	162.75	163.46	164.27	164.14	163.93	163.41	162.54	161.35	
27	159.65	160.51	160.50	161.21	162.77	163.50	164.26	164.14	163.93	163.38	162.51	161.32	
28	159.66	160.52	160.50	161.01	162.64	163.52	164.24	164.13	163.92	163.35	162.47	161.26	
29	159.73	161.43	160.50	160.98	162.52	163.54	164.23	164.13	163.92	163.33		161.22	
30	159.68	160.63	160.49	160.98	162.42	163.65	164.23	164.13	163.89	163.30		161.17	
31		160.54		161.39	162.34		164.22		163.87	163.28		161.13	
Mean	159.68	160.28	160.56	160.81	162.08	162.95	164.28	164.17	164.02	163.58	162.91	161.76	
Max	159.83	161.43	161.26	161.39	163.37	163.65	164.36	164.21	164.13	163.86	163.27	162.44	164.36
Min	159.64	159.77	160.48	160.48	161.19	162.25	163.99	164.13	163.87	163.28	162.47	161.13	159.64
Annual Max Momentary Gage Height	163.77		m. (MSL.) ,			at 12.00 Hours, on Aug 21, 2022							
Zero Gage at Bottom Elevation		158.87		m. (MSL.) ,		River Bed	159.20		m. (MSL.)				
Left Bank Elevation		171.77		m. (MSL.) ,									
Right Bank Elevation		171.29		m. (MSL.) ,		Drainage Are	478		Square Kilometers				



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	1.55	1.45	7.66	4.55	27.80	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	1.50	1.50	7.66	4.48	29.80	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	2.10	1.45	7.94	4.43	33.10	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	8.64	1.45	7.94	4.40	35.05	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.16	2.10	1.45	7.66	4.38	35.40	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.16	1.90	1.40	7.66	4.40	36.10	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.18	1.90	2.75	8.36	4.40	36.80	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.18	1.80	2.05	10.74	4.40	37.15	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.20	1.75	1.70	14.24	4.60	37.85	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.20	1.70	1.60	20.88	6.02	38.20	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.20	1.70	1.60	22.42	10.88	38.90	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.18	1.65	1.85	21.76	12.03	38.90	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.18	1.70	2.90	20.44	13.43	38.90	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.18	1.65	4.30	18.56	12.80	39.25	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.18	1.60	8.22	20.22	12.67	0.00	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.20	1.60	2.90	20.22	12.92	0.00	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.30	1.60	2.75	19.68	13.18	0.00	0.00	0.00	0.00	0.00	0.00	
18	0.00	1.35	1.55	2.70	17.92	13.43	0.00	0.00	0.00	0.00	0.00	0.00	
19	0.00	1.60	1.50	4.50	16.48	13.69	0.00	0.00	0.00	0.00	0.00	0.00	
20	0.00	1.60	1.45	3.70	27.92	14.33	0.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	1.60	1.45	4.10	57.33	14.71	0.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	1.60	1.40	5.28	55.00	14.58	0.00	0.00	0.00	0.00	0.00	0.00	
23	0.00	1.60	1.40	4.10	48.67	14.84	0.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	1.60	2.80	3.80	40.52	15.22	0.00	0.00	0.00	0.00	0.00	0.00	
25	0.00	1.60	1.90	4.70	36.88	15.86	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.00	1.55	1.65	8.64	38.00	17.40	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	1.55	1.50	7.94	38.56	18.00	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.00	1.60	1.50	5.14	34.92	18.40	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	11.02	1.50	4.80	31.56	18.80	0.00	0.00	0.00	0.00	0.00	0.00	
30	0.00	2.15	1.45	4.80	29.24	21.00	0.00	0.00	0.00	0.00	0.00	0.00	
31	0.00	1.70		10.46	27.48		0.00		0.00	0.00		0.00	
Total	0.00	34.62	57.49	115.98	744.52	344.23	503.20	0.00	0.00	0.00	0.00	0.00	1800.04 CMSDAY
Mean	0.00	1.12	1.92	3.74	24.02	11.47	16.23	0.00	0.00	0.00	0.00	0.00	4.93 CMS
Max	0.00	11.02	8.64	10.46	57.33	21.00	39.25	0.00	0.00	0.00	0.00	0.00	57.33 CMS
Min	0.00	0.00	1.40	1.40	7.66	4.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	2.99	4.97	10.02	64.33	29.74	43.48	0.00	0.00	0.00	0.00	0.00	155.52 MCM
Momentary Peak	70.67	CMS, at 163.77 m. (MSL.), at 12.00 Hours, on Aug 21, 2022											
Runoff Yield	10.32	Liters/Second/Square KM.		Momentary Peak Yield		147.85	Liters/Second/Square KM.						

WATER YEAR : 2022**CHI RIVER BASIN****Lam Phaniang at Ban Khong Po , Nong Bua Lamphu (E.68A)**

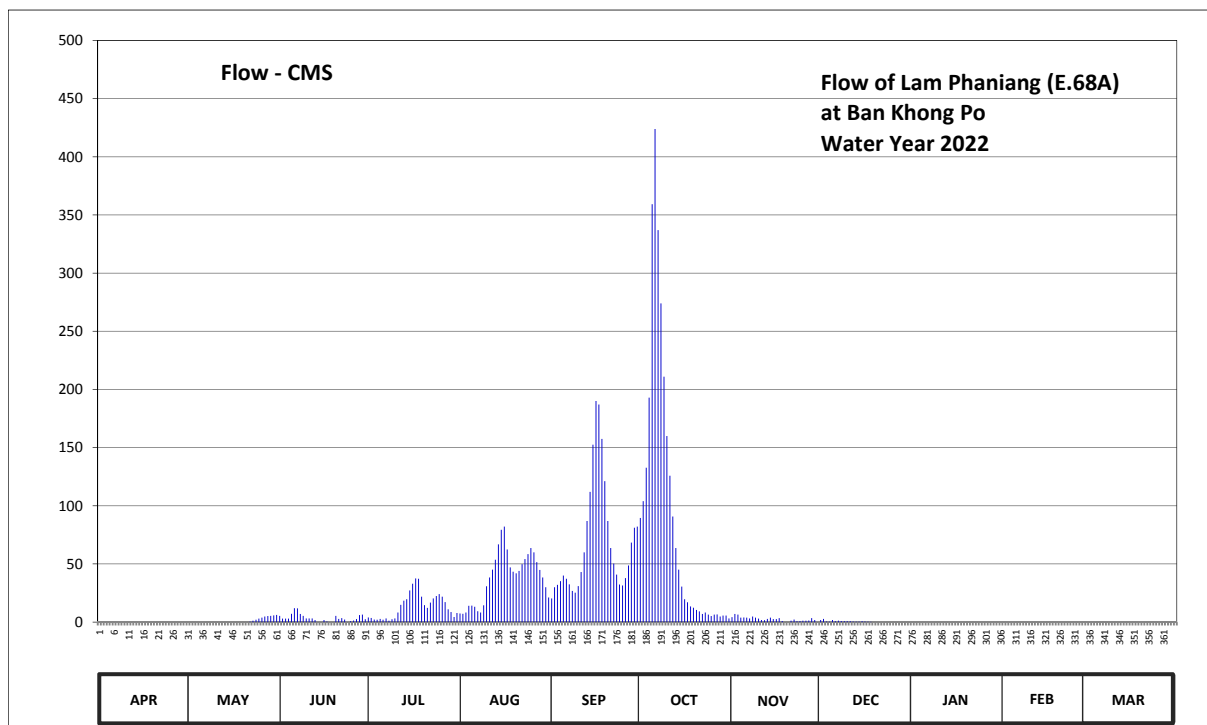
Lat 17 - 04 - 56 N Long 102 - 27 - 03 E

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

	Ban	Khong Po	Amphoe	Mueang	Changwat	Nong Bua Lamphu
Drainge Area	1,395	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+194.700 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On left bank downstream site at the footpath of the bridge.				Elevation	+201.740 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1997 to date					
Rating Operation						
Period of Rating	1997 to date					
Rated by Float	-					
Rated by Current Meter	1997 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +198.970 m.(MSL.), record are channel flow only.					
General Description	Records good. The concrete weir situated downstream from the gage site.					
	Stage-discharge relation defined by 26 discharge measurements made in 2022.					

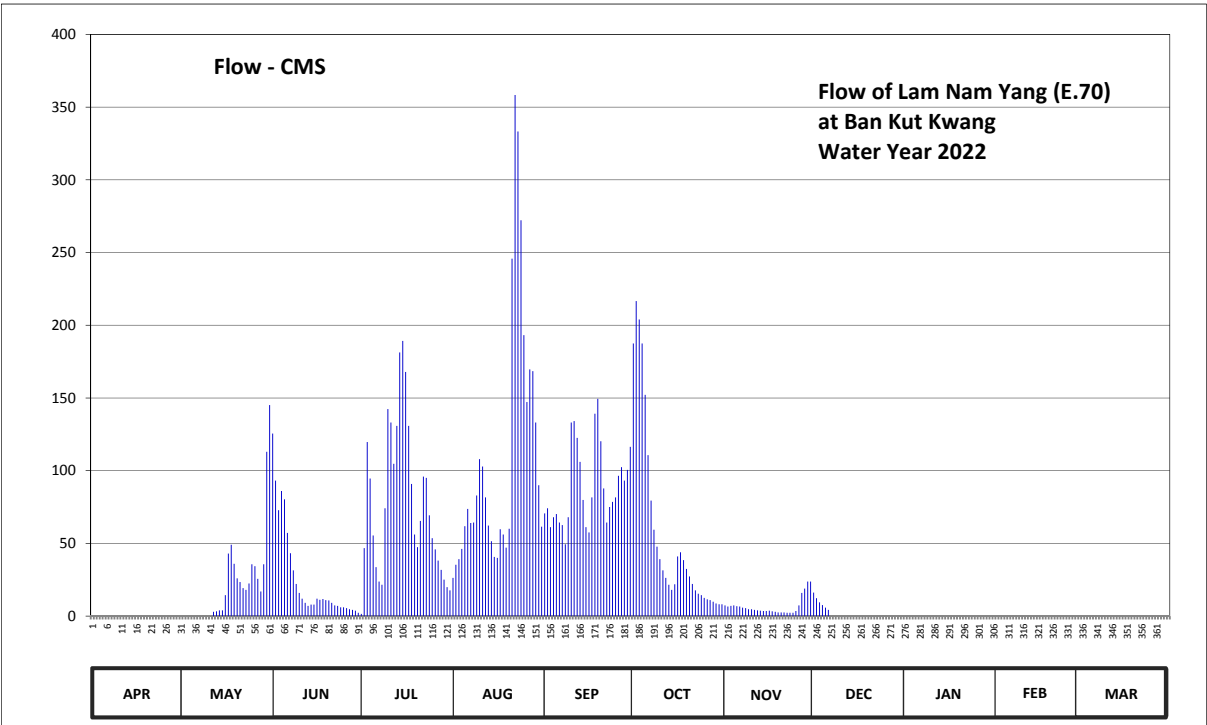
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	196.45	196.29	197.07	197.00	197.17	197.82	199.65	197.01	196.89	196.80	196.76	196.70	
2	196.44	196.29	196.95	196.98	197.16	198.24	199.75	197.15	196.94	196.80	196.76	196.69	
3	196.44	196.30	196.95	196.91	197.21	198.32	199.89	197.12	196.83	196.80	196.76	196.69	
4	196.43	196.30	196.95	196.90	197.50	198.45	200.11	196.99	196.82	196.80	196.76	196.68	
5	196.42	196.30	197.16	196.94	197.51	198.63	200.66	197.00	196.89	196.80	196.76	196.68	
6	196.42	196.31	197.40	196.90	197.46	198.53	200.86	196.99	196.84	196.79	196.76	196.67	
7	196.41	196.31	197.39	196.96	197.27	198.34	200.59	196.96	196.86	196.79	196.76	196.66	
8	196.41	196.32	197.15	196.86	197.21	198.11	200.38	197.04	196.85	196.79	196.77	196.65	
9	196.40	196.32	197.07	196.92	197.52	198.05	200.17	196.99	196.84	196.79	196.77	196.64	
10	196.40	196.33	196.96	196.96	198.27	198.28	200.00	196.95	196.84	196.79	196.77	196.63	
11	196.39	196.35	196.96	197.21	198.57	198.74	199.86	196.89	196.84	196.79	196.77	196.62	
12	196.38	196.39	196.96	197.54	198.82	199.30	199.66	196.88	196.83	196.79	196.77	196.61	
13	196.37	196.43	196.89	197.72	199.12	199.63	199.36	196.94	196.82	196.79	196.77	196.60	
14	196.36	196.47	196.78	197.78	199.41	199.80	198.82	196.99	196.82	196.79	196.77	196.60	
15	196.35	196.52	196.77	198.13	199.56	199.97	198.26	196.93	196.84	196.79	196.76	196.59	
16	196.34	196.56	196.89	198.36	199.59	200.10	197.78	196.93	196.83	196.79	196.76	196.58	
17	196.33	196.60	196.83	198.54	199.34	200.09	197.65	196.97	196.82	196.79	196.75	196.58	
18	196.30	196.65	196.78	198.53	198.89	199.99	197.47	196.85	196.81	196.78	196.75	196.57	
19	196.31	196.69	196.77	197.89	198.75	199.84	197.42	196.79	196.80	196.78	196.74	196.57	
20	196.30	196.73	197.07	197.53	198.70	199.63	197.32	196.79	196.79	196.78	196.74	196.56	
21	196.29	196.78	196.94	197.41	198.78	199.36	197.26	196.86	196.79	196.78	196.73	196.55	
22	196.28	196.82	196.97	197.64	198.99	199.01	197.15	196.91	196.79	196.78	196.73	196.55	
23	196.27	196.86	196.91	197.82	199.14	198.66	197.21	196.84	196.79	196.78	196.72	196.54	
24	196.27	196.90	196.79	197.92	199.26	198.33	197.12	196.85	196.79	196.77	196.72	196.54	
25	196.27	196.95	196.84	198.00	199.36	198.30	197.06	196.86	196.79	196.77	196.71	196.53	
26	196.28	196.99	196.87	197.89	199.30	198.55	197.12	196.86	196.79	196.77	196.71	196.53	
27	196.28	197.04	196.93	197.66	199.05	198.95	197.13	196.87	196.80	196.77	196.71	196.53	
28	196.28	197.06	197.10	197.35	198.81	199.43	197.04	196.97	196.80	196.77	196.71	196.53	
29	196.29	197.07	197.12	197.23	198.57	199.58	197.08	196.89	196.80	196.77		196.52	
30	196.29	197.09	196.92	197.02	198.24	199.59	197.08	196.80	196.80	196.77		196.52	
31		197.11		197.19	197.86		196.96		196.80	196.77		196.52	
Mean	196.35	196.62	196.97	197.47	198.46	198.99	198.51	196.93	196.82	196.78	196.75	196.59	
Max	196.45	197.11	197.40	198.54	199.59	200.10	200.86	197.15	196.94	196.80	196.77	196.70	200.86
Min	196.27	196.29	196.77	196.86	197.16	197.82	196.96	196.79	196.79	196.77	196.71	196.52	196.27
Annual Max Momentary Gage Height	201.04		m. (MSL.) ,			at 04.00 Hours, on Oct 6, 2022							
Zero Gage at Bottom Elevation		194.70	m. (MSL.) ,			River Bed	192.21	m. (MSL.)					
Left Bank Elevation		199.11	m. (MSL.) ,										
Right Bank Elevation		198.96	m. (MSL.) ,			Drainage Are	1,395	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	5.40	4.00	7.40	20.40	89.50	4.20	1.80	0.00	0.00	0.00		
2	0.00	0.00	3.00	3.60	7.20	30.00	104.00	7.00	2.80	0.00	0.00	0.00		
3	0.00	0.00	3.00	2.20	8.20	32.00	132.70	6.40	0.60	0.00	0.00	0.00		
4	0.00	0.00	3.00	2.00	14.00	35.25	193.00	3.80	0.40	0.00	0.00	0.00		
5	0.00	0.00	7.20	2.80	14.20	40.01	359.20	4.00	1.80	0.00	0.00	0.00		
6	0.00	0.00	12.00	2.00	13.20	37.31	423.80	3.80	0.80	0.00	0.00	0.00		
7	0.00	0.00	11.80	3.20	9.40	32.50	337.00	3.20	1.20	0.00	0.00	0.00		
8	0.00	0.00	7.00	1.20	8.20	26.75	274.00	4.80	1.00	0.00	0.00	0.00		
9	0.00	0.00	5.40	2.40	14.40	25.25	211.00	3.80	0.80	0.00	0.00	0.00		
10	0.00	0.00	3.20	3.20	30.75	31.00	160.00	3.00	0.80	0.00	0.00	0.00		
11	0.00	0.00	3.20	8.20	38.39	42.98	125.80	1.80	0.80	0.00	0.00	0.00		
12	0.00	0.00	3.20	14.80	45.14	60.00	90.80	1.60	0.60	0.00	0.00	0.00		
13	0.00	0.00	1.80	18.40	53.60	86.90	63.60	2.80	0.40	0.00	0.00	0.00		
14	0.00	0.00	0.00	19.60	66.80	112.00	45.14	3.80	0.40	0.00	0.00	0.00		
15	0.00	0.00	0.00	27.25	79.40	152.50	30.50	2.60	0.80	0.00	0.00	0.00		
16	0.00	0.00	1.80	33.00	82.10	190.00	19.60	2.60	0.60	0.00	0.00	0.00		
17	0.00	0.00	0.60	37.58	62.40	187.00	17.00	3.40	0.40	0.00	0.00	0.00		
18	0.00	0.00	0.00	37.31	47.03	157.50	13.40	1.00	0.20	0.00	0.00	0.00		
19	0.00	0.00	0.00	21.80	43.25	121.20	12.40	0.00	0.00	0.00	0.00	0.00		
20	0.00	0.00	5.40	14.60	41.90	86.90	10.40	0.00	0.00	0.00	0.00	0.00		
21	0.00	0.00	2.80	12.20	44.06	63.60	9.20	1.20	0.00	0.00	0.00	0.00		
22	0.00	0.40	3.40	16.80	49.73	50.30	7.00	2.20	0.00	0.00	0.00	0.00		
23	0.00	1.20	2.20	20.40	54.20	40.82	8.20	0.80	0.00	0.00	0.00	0.00		
24	0.00	2.00	0.00	22.40	58.40	32.25	6.40	1.00	0.00	0.00	0.00	0.00		
25	0.00	3.00	0.80	24.00	63.60	31.50	5.20	1.20	0.00	0.00	0.00	0.00		
26	0.00	3.80	1.40	21.80	60.00	37.85	6.40	1.20	0.00	0.00	0.00	0.00		
27	0.00	4.80	2.60	17.20	51.50	48.65	6.60	1.40	0.00	0.00	0.00	0.00		
28	0.00	5.20	6.00	11.00	44.87	68.40	4.80	3.40	0.00	0.00	0.00	0.00		
29	0.00	5.40	6.40	8.60	38.39	81.20	5.60	1.80	0.00	0.00	0.00	0.00		
30	0.00	5.80	2.40	4.40	30.00	82.10	5.60	0.00	0.00	0.00	0.00	0.00		
31		6.20		7.80	21.20		3.20		0.00	0.00		0.00		
Total	0.00	37.80	105.00	425.74	1202.91	2044.12	2781.04	77.80	16.20	0.00	0.00	0.00	6690.61	CMSDAY
Mean	0.00	1.22	3.50	13.73	38.80	68.14	89.71	2.59	0.52	0.00	0.00	0.00	18.33	CMS
Max	0.00	6.20	12.00	37.58	82.10	190.00	423.80	7.00	2.80	0.00	0.00	0.00	423.80	CMS
Min	0.00	0.00	0.00	1.20	7.20	20.40	3.20	0.00	0.00	0.00	0.00	0.00	0.00	CMS
Runoff	0.00	3.27	9.07	36.78	103.93	176.61	240.28	6.72	1.40	0.00	0.00	0.00	578.07	MCM
Momentary Peak	484.00 CMS, at 201.04 m. (MSL.), at 04.00 Hours, on Oct 6, 2022													
Runoff Yield	13.14	Liters/Second/Square KM.				Momentary Peak Yield		346.95	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	125.48	1.50	26.32	70.64	187.52	7.34	16.18	0.00	0.00	0.00	
2	0.00	0.00	93.22	46.80	35.28	74.16	216.60	6.56	12.28	0.00	0.00	0.00	
3	0.00	0.00	72.84	119.72	39.12	61.16	204.00	7.08	9.42	0.00	0.00	0.00	
4	0.00	0.00	86.04	94.60	46.16	68.00	187.52	7.34	7.60	0.00	0.00	0.00	
5	0.00	0.00	80.32	55.40	61.88	70.20	152.12	6.82	5.78	0.00	0.00	0.00	
6	0.00	0.00	57.20	33.68	73.72	64.40	110.70	6.56	4.25	0.00	0.00	0.00	
7	0.00	0.00	43.28	23.76	64.04	62.60	79.44	5.78	0.00	0.00	0.00	0.00	
8	0.00	0.00	31.44	21.52	64.40	49.36	59.36	5.52	0.00	0.00	0.00	0.00	
9	0.00	0.00	22.16	74.16	82.96	68.00	47.76	4.75	0.00	0.00	0.00	0.00	
10	0.00	0.00	15.92	142.40	107.94	133.16	39.12	4.75	0.00	0.00	0.00	0.00	
11	0.00	0.00	12.02	133.16	102.88	134.12	31.44	4.25	0.00	0.00	0.00	0.00	
12	0.00	3.00	9.16	104.72	81.64	122.60	26.32	4.00	0.00	0.00	0.00	0.00	
13	0.00	3.25	7.08	130.76	62.24	106.10	21.52	3.75	0.00	0.00	0.00	0.00	
14	0.00	4.00	7.86	181.36	51.44	79.88	18.00	3.50	0.00	0.00	0.00	0.00	
15	0.00	4.00	7.86	189.20	40.72	61.16	21.84	3.50	0.00	0.00	0.00	0.00	
16	0.00	14.36	12.02	167.92	40.08	57.56	41.04	3.75	0.00	0.00	0.00	0.00	
17	0.00	42.96	11.24	130.76	59.72	81.64	43.92	3.25	0.00	0.00	0.00	0.00	
18	0.00	49.04	11.76	90.92	56.12	139.16	38.48	3.00	0.00	0.00	0.00	0.00	
19	0.00	35.92	10.98	56.12	47.12	149.42	32.40	2.50	0.00	0.00	0.00	0.00	
20	0.00	26.00	10.72	47.44	60.08	120.20	27.28	2.50	0.00	0.00	0.00	0.00	
21	0.00	23.44	9.16	65.48	245.80	87.80	22.16	2.50	0.00	0.00	0.00	0.00	
22	0.00	19.28	7.34	95.98	358.38	64.40	17.74	2.25	0.00	0.00	0.00	0.00	
23	0.00	18.00	7.08	95.06	333.27	75.04	15.40	2.25	0.00	0.00	0.00	0.00	
24	0.00	22.48	6.04	69.32	272.20	78.56	14.36	2.25	0.00	0.00	0.00	0.00	
25	0.00	35.60	6.04	53.60	193.20	81.64	12.54	3.50	0.00	0.00	0.00	0.00	
26	0.00	34.32	5.52	45.84	147.26	96.44	11.50	7.34	0.00	0.00	0.00	0.00	
27	0.00	25.68	4.75	38.16	169.60	102.42	10.98	15.92	0.00	0.00	0.00	0.00	
28	0.00	16.96	4.25	31.76	168.48	93.22	9.94	18.96	0.00	0.00	0.00	0.00	
29	0.00	35.60	3.75	25.04	133.16	100.58	8.64	23.76	0.00	0.00		0.00	
30	0.00	113.00	2.25	19.92	90.00	116.36	8.12	23.76	0.00	0.00		0.00	
31		145.10		17.74	61.52		8.12		0.00	0.00		0.00	
Total	0.00	671.99	784.78	2403.80	3376.73	2669.98	1725.88	198.99	55.51	0.00	0.00	0.00	11887.66 CMSDAY
Mean	0.00	21.68	26.16	77.54	108.93	89.00	55.67	6.63	1.79	0.00	0.00	0.00	32.57 CMS
Max	0.00	145.10	125.48	189.20	358.38	149.42	216.60	23.76	16.18	0.00	0.00	0.00	358.38 CMS
Min	0.00	0.00	2.25	1.50	26.32	49.36	8.12	2.25	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	58.06	67.80	207.69	291.75	230.69	149.12	17.19	4.80	0.00	0.00	0.00	1027.09 MCM
Momentary Peak	365.82	CMS, at 138.74 m. (MSL.), at 13.00 Hours, on Aug 22, 2022											
Runoff Yield	12.41	Liters/Second/Square KM.			Momentary Peak Yield		139.41	Liters/Second/Square KM.					

WATER YEAR : 2022**CHI RIVER BASIN****Lam Chiang at Ban Chiang , Chaiyaphum (E.72)**

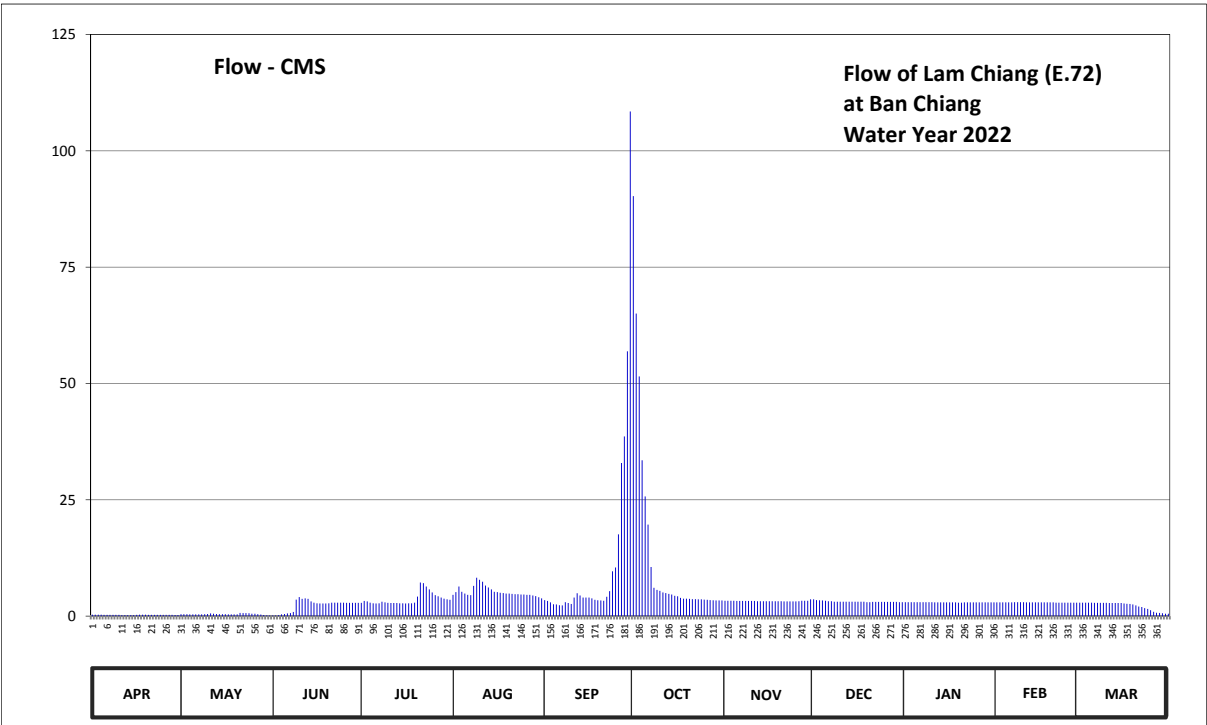
Lat 16 - 01 - 03 N Long 101 - 30 - 21 E

Location : on left bank at Ban Chiang School.

	Ban	Chiang	Amphoe	Phak Di Chumphon	Changwat	Chaiyaphum
Drainge Area	331	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+234.100 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On left bank downstream at the footpath of the bridge.				Elevation	+243.534 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1984 to date					
Rating Operation						
Period of Rating	1987 to date					
Rated by Float	-					
Rated by Current Meter	1987 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +240.440 m.(MSL.), record are channel flow only.					
General Description	Records fair. Stage-discharge relation defined by 28 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	234.90	234.95	234.82	235.67	236.01	235.79	240.95	235.76	235.82	235.70	235.69	235.68	
2	234.90	234.95	234.81	235.75	236.10	235.75	240.20	235.76	235.79	235.70	235.69	235.68	
3	234.90	234.95	234.86	235.73	236.28	235.69	239.74	235.76	235.78	235.70	235.69	235.68	
4	234.90	234.94	234.94	235.68	236.11	235.61	238.90	235.76	235.77	235.70	235.69	235.68	
5	234.88	234.94	234.98	235.65	236.05	235.60	238.36	235.75	235.76	235.70	235.69	235.68	
6	234.88	234.93	235.04	235.64	236.01	235.57	237.82	235.75	235.74	235.70	235.69	235.67	
7	234.88	234.93	235.08	235.65	236.00	235.56	236.86	235.75	235.74	235.70	235.70	235.67	
8	234.88	234.93	235.16	235.72	236.30	235.70	236.24	235.75	235.72	235.70	235.70	235.67	
9	234.88	234.96	235.81	235.69	236.56	235.66	236.17	235.75	235.72	235.70	235.70	235.67	
10	234.88	234.98	235.92	235.67	236.50	235.62	236.14	235.75	235.72	235.70	235.70	235.67	
11	234.85	235.04	235.84	235.66	236.44	235.90	236.09	235.75	235.72	235.69	235.69	235.66	
12	234.85	235.01	235.86	235.66	236.31	236.06	236.07	235.74	235.72	235.69	235.69	235.66	
13	234.85	234.97	235.84	235.66	236.25	235.99	236.04	235.74	235.72	235.69	235.69	235.66	
14	234.85	234.96	235.73	235.65	236.19	235.90	236.02	235.74	235.72	235.69	235.69	235.66	
15	234.85	234.95	235.68	235.65	236.11	235.90	235.97	235.74	235.72	235.69	235.69	235.66	
16	234.88	234.95	235.65	235.64	236.10	235.90	235.95	235.74	235.72	235.69	235.69	235.64	
17	234.90	234.93	235.64	235.65	236.08	235.86	235.88	235.74	235.72	235.69	235.69	235.63	
18	234.90	234.93	235.64	235.65	236.07	235.80	235.85	235.74	235.72	235.69	235.69	235.62	
19	234.90	234.93	235.64	235.68	236.05	235.78	235.85	235.74	235.70	235.68	235.69	235.60	
20	234.89	234.93	235.65	235.94	236.05	235.77	235.84	235.74	235.70	235.68	235.69	235.56	
21	234.89	235.09	235.68	236.41	236.04	235.76	235.83	235.73	235.71	235.69	235.68	235.51	
22	234.89	235.08	235.68	236.39	236.03	235.93	235.83	235.73	235.71	235.69	235.68	235.49	
23	234.89	235.07	235.68	236.28	236.03	236.13	235.82	235.73	235.71	235.69	235.68	235.42	
24	234.89	235.05	235.68	236.19	236.02	236.74	235.82	235.73	235.71	235.69	235.68	235.36	
25	234.89	235.01	235.68	236.09	236.02	236.85	235.81	235.73	235.71	235.69	235.68	235.28	
26	234.88	235.00	235.67	236.00	236.01	237.62	235.80	235.74	235.71	235.69	235.68	235.18	
27	234.88	234.96	235.67	235.95	236.01	238.86	235.79	235.76	235.71	235.69	235.68	235.11	
28	234.88	234.92	235.67	235.90	235.99	239.18	235.78	235.76	235.71	235.69	235.68	235.09	
29	234.87	234.87	235.67	235.85	235.96	239.93	235.77	235.76	235.71	235.69		235.05	
30	234.87	234.83	235.67	235.82	235.91	241.41	235.77	235.82	235.70	235.69		235.01	
31		234.82		235.80	235.86		235.77		235.70	235.69		235.00	
Mean	234.88	234.96	235.51	235.82	236.11	236.46	236.60	235.75	235.73	235.69	235.69	235.50	
Max	234.90	235.09	235.92	236.41	236.56	241.41	240.95	235.82	235.82	235.70	235.70	235.68	241.41
Min	234.85	234.82	234.81	235.64	235.86	235.56	235.77	235.73	235.70	235.68	235.68	235.00	234.81
Annual Max Momentary Gage Height	241.60		m. (MSL.) ,				at 06.00 Hours, on Sep 30, 2022						
Zero Gage at Bottom Elevation	234.10		m. (MSL.) ,			River Bed	234.62	m. (MSL.)					
Left Bank Elevation		243.34		m. (MSL.) ,									
Right Bank Elevation		240.43		m. (MSL.) ,		Drainage Are	331	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.30	0.40	0.14	2.85	4.57	3.45	90.25	3.30	3.60	3.00	2.95	2.90		
2	0.30	0.40	0.12	3.25	5.16	3.25	65.00	3.30	3.45	3.00	2.95	2.90		
3	0.30	0.40	0.22	3.15	6.35	2.95	51.50	3.30	3.40	3.00	2.95	2.90		
4	0.30	0.38	0.38	2.90	5.23	2.55	33.50	3.30	3.35	3.00	2.95	2.90		
5	0.26	0.38	0.46	2.75	4.83	2.50	25.72	3.25	3.30	3.00	2.95	2.90		
6	0.26	0.36	0.58	2.70	4.57	2.35	19.66	3.25	3.20	3.00	2.95	2.85		
7	0.26	0.36	0.66	2.75	4.50	2.30	10.54	3.25	3.20	3.00	3.00	2.85		
8	0.26	0.36	0.88	3.10	6.48	3.00	6.08	3.25	3.10	3.00	3.00	2.85		
9	0.26	0.42	3.55	2.95	8.26	2.80	5.62	3.25	3.10	3.00	3.00	2.85		
10	0.26	0.46	4.10	2.85	7.80	2.60	5.42	3.25	3.10	3.00	3.00	2.85		
11	0.20	0.58	3.70	2.80	7.40	4.00	5.09	3.25	3.10	2.95	2.95	2.80		
12	0.20	0.52	3.80	2.80	6.55	4.90	4.96	3.20	3.10	2.95	2.95	2.80		
13	0.20	0.44	3.70	2.80	6.15	4.45	4.76	3.20	3.10	2.95	2.95	2.80		
14	0.20	0.42	3.15	2.75	5.75	4.00	4.63	3.20	3.10	2.95	2.95	2.80		
15	0.20	0.40	2.90	2.75	5.23	4.00	4.35	3.20	3.10	2.95	2.95	2.80		
16	0.26	0.40	2.75	2.70	5.16	4.00	4.25	3.20	3.10	2.95	2.95	2.70		
17	0.30	0.36	2.70	2.75	5.03	3.80	3.90	3.20	3.10	2.95	2.95	2.65		
18	0.30	0.36	2.70	2.75	4.96	3.50	3.75	3.20	3.10	2.95	2.95	2.60		
19	0.30	0.36	2.70	2.90	4.83	3.40	3.75	3.20	3.00	2.90	2.95	2.50		
20	0.28	0.36	2.75	4.20	4.83	3.35	3.70	3.20	3.00	2.90	2.95	2.30		
21	0.28	0.68	2.90	7.21	4.76	3.30	3.65	3.15	3.05	2.95	2.90	2.05		
22	0.28	0.66	2.90	7.07	4.70	4.15	3.65	3.15	3.05	2.95	2.90	1.97		
23	0.28	0.64	2.90	6.35	4.70	5.36	3.60	3.15	3.05	2.95	2.90	1.73		
24	0.28	0.60	2.90	5.75	4.63	9.62	3.60	3.15	3.05	2.95	2.90	1.53		
25	0.28	0.52	2.90	5.09	4.63	10.46	3.55	3.15	3.05	2.95	2.90	1.27		
26	0.26	0.50	2.85	4.50	4.57	17.56	3.50	3.20	3.05	2.95	2.90	0.94		
27	0.26	0.42	2.85	4.25	4.57	32.90	3.45	3.30	3.05	2.95	2.90	0.73		
28	0.26	0.34	2.85	4.00	4.45	38.60	3.40	3.30	3.05	2.95	2.90	0.68		
29	0.24	0.24	2.85	3.75	4.30	56.90	3.35	3.30	3.05	2.95		0.60		
30	0.24	0.16	2.85	3.60	4.05	108.45	3.35	3.60	3.00	2.95		0.52		
31		0.14		3.50	3.80		3.35		3.00	2.95		0.50		
Total	7.86	13.02	70.69	113.52	162.80	354.45	394.88	97.20	97.05	91.85	82.40	68.02	1553.74	CMSDAY
Mean	0.26	0.42	2.36	3.66	5.25	11.82	12.74	3.24	3.13	2.96	2.94	2.19	4.26	CMS
Max	0.30	0.68	4.10	7.21	8.26	108.45	90.25	3.60	3.60	3.00	3.00	2.90	108.45	CMS
Min	0.20	0.14	0.12	2.70	3.80	2.30	3.35	3.15	3.00	2.90	2.90	0.50	0.12	CMS
Runoff	0.68	1.12	6.11	9.81	14.07	30.62	34.12	8.40	8.39	7.94	7.12	5.88	134.24	MCM
Momentary Peak	117.00	CMS, at 241.60 m. (MSL.), at 06.00 Hours, on Sep 30, 2022												
Runoff Yield	12.86	Liters/Second/Square KM.		Momentary Peak Yield		353.47	Liters/Second/Square KM.							

WATER YEAR : 2022**CHI RIVER BASIN****Lam Chao at Ban Lad Chumphon , Chaiyaphum (E.73A)**

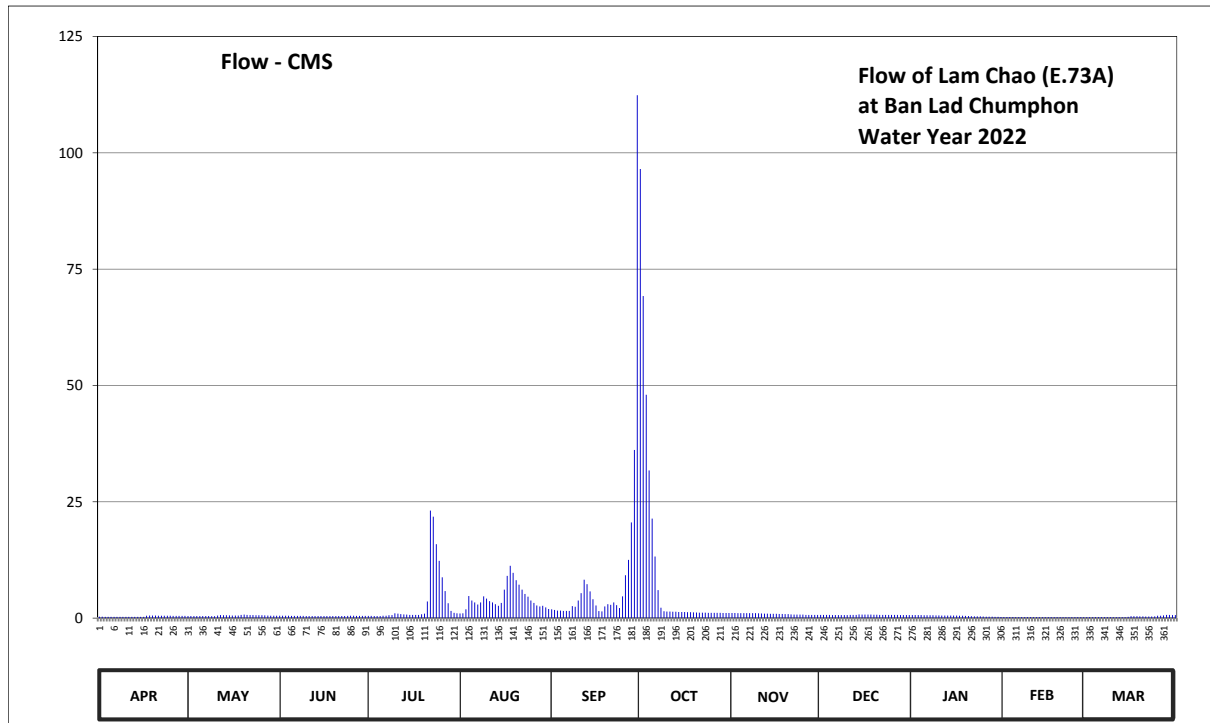
Lat 15 - 55 - 21 N Long 101 - 25 - 29 E

Location : on right bank at Ban Lad Chumphon, Tambon Ban Chiang.

	Ban	Lad Chumphon	Amphoe	Phak Di Chumphon	Changwat	Chaiyaphum
Drainge Area	223	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+257.300 m. (MSL.)					
Bench Mark	B.M.- H.D.					
Location BM	On right bank near the gage site.				Elevation	+266.243 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2019 to date					
Rating Operation						
Period of Rating	2019 to date					
Rated by Float	-					
Rated by Current Meter	2019 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +261.040 m.(MSL.) record are channel flow only.					
General Description	Records fair. The local weir situated about 4 kilometers downstream from the gage site. Stage-discharge relation defined by 22 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	257.35	257.43	257.45	257.44	257.70	258.04	262.27	257.75	257.54	257.52	257.32	257.30	
2	257.35	257.43	257.45	257.44	257.71	258.02	261.68	257.75	257.54	257.52	257.32	257.30	
3	257.34	257.43	257.45	257.43	258.04	258.00	261.10	257.74	257.54	257.52	257.32	257.30	
4	257.34	257.43	257.45	257.43	258.45	258.00	260.48	257.74	257.54	257.52	257.32	257.30	
5	257.34	257.42	257.44	257.43	258.31	257.98	259.92	257.74	257.53	257.51	257.31	257.30	
6	257.34	257.42	257.44	257.45	258.25	257.97	259.28	257.74	257.53	257.50	257.31	257.30	
7	257.34	257.42	257.44	257.45	258.19	257.97	258.60	257.73	257.53	257.50	257.31	257.30	
8	257.34	257.42	257.44	257.50	258.25	258.14	258.09	257.73	257.53	257.50	257.31	257.30	
9	257.34	257.40	257.44	257.52	258.44	258.12	257.94	257.73	257.53	257.49	257.31	257.30	
10	257.34	257.41	257.43	257.71	258.37	258.31	257.90	257.72	257.53	257.49	257.31	257.30	
11	257.33	257.47	257.43	257.68	258.29	258.53	257.90	257.70	257.55	257.48	257.30	257.30	
12	257.33	257.53	257.43	257.63	258.25	258.81	257.89	257.68	257.55	257.48	257.30	257.30	
13	257.33	257.51	257.43	257.60	258.20	258.72	257.88	257.68	257.55	257.47	257.30	257.30	
14	257.33	257.50	257.43	257.57	258.15	258.57	257.86	257.67	257.59	257.47	257.30	257.30	
15	257.33	257.49	257.43	257.55	258.24	258.35	257.86	257.66	257.58	257.47	257.30	257.34	
16	257.34	257.48	257.43	257.55	258.61	258.16	257.85	257.66	257.57	257.47	257.30	257.40	
17	257.45	257.48	257.43	257.54	258.89	257.95	257.83	257.65	257.57	257.45	257.30	257.40	
18	257.47	257.48	257.42	257.54	259.09	257.92	257.83	257.65	257.57	257.45	257.30	257.40	
19	257.47	257.54	257.42	257.61	258.95	258.13	257.81	257.63	257.56	257.44	257.30	257.38	
20	257.47	257.57	257.42	257.68	258.80	258.20	257.80	257.62	257.56	257.43	257.30	257.38	
21	257.46	257.54	257.42	258.28	258.71	258.18	257.79	257.59	257.55	257.40	257.30	257.37	
22	257.45	257.52	257.42	260.03	258.61	258.25	257.78	257.57	257.54	257.39	257.30	257.37	
23	257.45	257.52	257.42	259.95	258.51	258.17	257.78	257.57	257.54	257.39	257.30	257.37	
24	257.45	257.51	257.44	259.52	258.43	258.08	257.77	257.57	257.54	257.39	257.30	257.39	
25	257.45	257.50	257.45	259.19	258.31	258.44	257.77	257.57	257.54	257.37	257.30	257.46	
26	257.44	257.50	257.45	258.86	258.24	258.90	257.76	257.55	257.54	257.36	257.30	257.45	
27	257.44	257.49	257.44	258.58	258.16	259.21	257.76	257.55	257.54	257.36	257.30	257.49	
28	257.44	257.48	257.44	258.23	258.13	259.86	257.76	257.55	257.53	257.35	257.30	257.54	
29	257.44	257.46	257.44	257.98	258.15	260.66	257.75	257.54	257.53	257.34		257.54	
30	257.44	257.45	257.44	257.77	258.10	262.57	257.75	257.54	257.53	257.33		257.53	
31		257.45		257.72	258.05		257.75		257.53	257.32		257.52	
Mean	257.39	257.47	257.44	257.96	258.34	258.54	258.43	257.65	257.55	257.44	257.31	257.37	
Max	257.47	257.57	257.45	260.03	259.09	262.57	262.27	257.75	257.59	257.52	257.32	257.54	262.57
Min	257.33	257.40	257.42	257.43	257.70	257.92	257.75	257.54	257.53	257.32	257.30	257.30	257.30
Annual Max Momentary Gage Height	263.15		m. (MSL.) ,			at 12.00 Hours, on Sep 30, 2022							
Zero Gage at Bottom Elevation		257.30		m. (MSL.) ,		River Bed	257.38		m. (MSL.)				
Left Bank Elevation		261.03		m. (MSL.) ,									
Right Bank Elevation		263.87		m. (MSL.) ,		Drainage Are	223		Square Kilometers				



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.30	0.46	0.50	0.48	1.00	1.88	96.50	1.10	0.68	0.64	0.24	0.20	
2	0.30	0.46	0.50	0.48	1.02	1.74	69.20	1.10	0.68	0.64	0.24	0.20	
3	0.28	0.46	0.50	0.46	1.88	1.60	48.00	1.08	0.68	0.64	0.24	0.20	
4	0.28	0.46	0.50	0.46	4.75	1.60	31.75	1.08	0.68	0.64	0.24	0.20	
5	0.28	0.44	0.48	0.46	3.77	1.56	21.40	1.08	0.66	0.62	0.22	0.20	
6	0.28	0.44	0.48	0.50	3.35	1.54	13.25	1.08	0.66	0.60	0.22	0.20	
7	0.28	0.44	0.48	0.50	2.93	1.54	6.00	1.06	0.66	0.60	0.22	0.20	
8	0.28	0.44	0.48	0.60	3.35	2.58	2.23	1.06	0.66	0.60	0.22	0.20	
9	0.28	0.40	0.48	0.64	4.68	2.44	1.48	1.06	0.66	0.58	0.22	0.20	
10	0.28	0.42	0.46	1.02	4.19	3.77	1.40	1.04	0.66	0.58	0.22	0.20	
11	0.26	0.54	0.46	0.96	3.63	5.37	1.40	1.00	0.70	0.56	0.20	0.20	
12	0.26	0.66	0.46	0.86	3.35	8.24	1.38	0.96	0.70	0.56	0.20	0.20	
13	0.26	0.62	0.46	0.80	3.00	7.28	1.36	0.96	0.70	0.54	0.20	0.20	
14	0.26	0.60	0.46	0.74	2.65	5.73	1.32	0.94	0.78	0.54	0.20	0.20	
15	0.26	0.58	0.46	0.70	3.28	4.05	1.32	0.92	0.76	0.54	0.20	0.28	
16	0.28	0.56	0.46	0.70	6.11	2.72	1.30	0.92	0.74	0.54	0.20	0.40	
17	0.50	0.56	0.46	0.68	9.09	1.50	1.26	0.90	0.74	0.50	0.20	0.40	
18	0.54	0.56	0.44	0.68	11.23	1.44	1.26	0.90	0.74	0.50	0.20	0.40	
19	0.54	0.68	0.44	0.82	9.73	2.51	1.22	0.86	0.72	0.48	0.20	0.36	
20	0.54	0.74	0.44	0.96	8.13	3.00	1.20	0.84	0.72	0.46	0.20	0.36	
21	0.52	0.68	0.44	3.56	7.17	2.86	1.18	0.78	0.70	0.40	0.20	0.34	
22	0.50	0.64	0.44	23.10	6.11	3.35	1.16	0.74	0.68	0.38	0.20	0.34	
23	0.50	0.64	0.44	21.81	5.19	2.79	1.16	0.74	0.68	0.38	0.20	0.34	
24	0.50	0.62	0.48	15.88	4.61	2.16	1.14	0.74	0.68	0.38	0.20	0.38	
25	0.50	0.60	0.50	12.29	3.77	4.68	1.14	0.74	0.68	0.34	0.20	0.52	
26	0.48	0.60	0.50	8.77	3.28	9.20	1.12	0.70	0.68	0.32	0.20	0.50	
27	0.48	0.58	0.48	5.82	2.72	12.51	1.12	0.70	0.68	0.32	0.20	0.58	
28	0.48	0.56	0.48	3.21	2.51	20.57	1.12	0.70	0.66	0.30	0.20	0.68	
29	0.48	0.52	0.48	1.56	2.65	36.14	1.10	0.68	0.66	0.28		0.68	
30	0.48	0.50	0.48	1.14	2.30	112.35	1.10	0.68	0.66	0.26		0.66	
31		0.50		1.04	1.95		1.10		0.66	0.24		0.64	
Total	11.46	16.96	14.12	111.68	133.38	268.70	316.67	27.14	21.40	14.96	5.88	10.66	953.01 CMSDAY
Mean	0.38	0.55	0.47	3.60	4.30	8.96	10.22	0.90	0.69	0.48	0.21	0.34	2.61 CMS
Max	0.54	0.74	0.50	23.10	11.23	112.35	96.50	1.10	0.78	0.64	0.24	0.68	112.35 CMS
Min	0.26	0.40	0.44	0.46	1.00	1.44	1.10	0.68	0.66	0.24	0.20	0.20	0.20 CMS
Runoff	0.99	1.47	1.22	9.65	11.52	23.22	27.36	2.34	1.85	1.29	0.51	0.92	82.34 MCM
Momentary Peak	151.25	CMS, at 263.15 m. (MSL.), at 12.00 Hours, on Sep 30, 2022											
Runoff Yield	11.71	Liters/Second/Square KM.		Momentary Peak Yield		678.25	Liters/Second/Square KM.						

WATER YEAR : 2022**CHI RIVER BASIN****Lam Pao at Ban Nong Muang , Kalasin (E.75)**

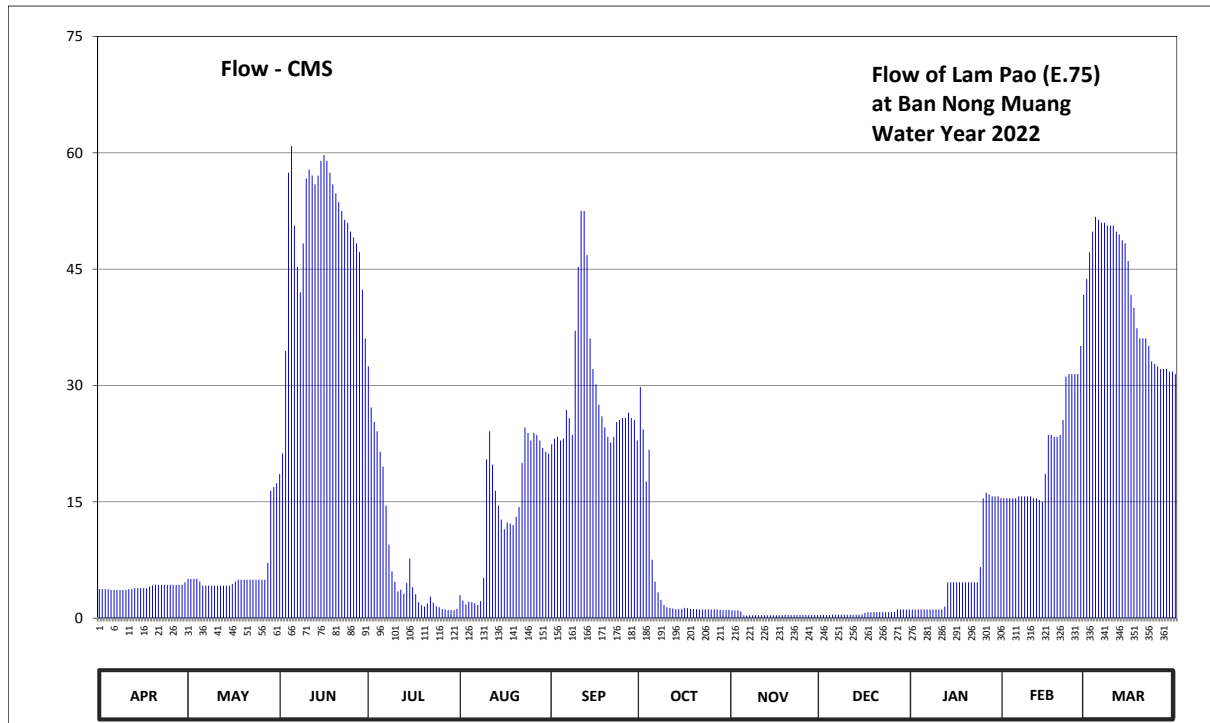
Lat 16 - 34 - 52 N Long 103 - 26 - 14 E

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

	Ban	Nong Muang	Amphoe	Mueang	Changwat	Kalasin
Drainge Area	6,044	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+137.000 m. (MSL.)					
Bench Mark	B.M.- H.D.					
Location BM	On left bank in front of gage observer's house.				Elevation	+149.762 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1987 to date					
Rating Operation						
Period of Rating	1987 to date					
Rated by Float	-					
Rated by Current Meter	1987 to date					
Stability of Channel Regimes	Fairly stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Flow regulated by Lam Pao Dam.					
	Stage-discharge relation defined by 33 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	137.84	137.96	138.67	139.18	138.16	138.83	139.10	137.75	137.60	137.78	138.54	139.52	
2	137.84	137.96	138.78	139.02	138.04	138.86	138.91	137.74	137.60	137.78	138.54	139.61	
3	137.84	137.96	139.24	138.95	137.94	138.87	138.63	137.75	137.60	137.78	138.54	139.68	
4	137.84	137.96	139.88	138.90	138.02	138.85	138.80	137.71	137.60	137.78	138.54	139.73	
5	137.83	137.93	139.97	138.79	138.01	138.86	138.72	137.59	137.61	137.78	138.54	139.72	
6	137.83	137.88	139.70	138.71	137.98	139.01	138.45	137.58	137.61	137.78	138.55	139.71	
7	137.83	137.88	139.56	138.50	137.92	138.97	138.22	137.59	137.61	137.78	138.55	139.71	
8	137.83	137.88	139.47	138.22	138.03	138.88	138.06	137.59	137.61	137.78	138.55	139.70	
9	137.83	137.88	139.64	138.03	138.53	139.32	137.92	137.59	137.61	137.78	138.55	139.70	
10	137.83	137.88	139.86	138.45	138.87	139.56	137.85	137.59	137.61	137.78	138.55	139.70	
11	137.84	137.88	139.89	138.24	138.90	139.75	137.83	137.59	137.61	137.78	138.54	139.68	
12	137.84	137.88	139.87	138.28	138.72	139.75	137.81	137.59	137.61	137.87	138.54	139.67	
13	137.85	137.88	139.84	138.19	138.58	139.60	137.79	137.59	137.61	137.92	138.53	139.65	
14	137.85	137.88	139.87	138.42	138.50	139.29	137.79	137.59	137.61	137.92	138.52	139.64	
15	137.85	137.88	139.92	138.73	138.40	139.17	137.80	137.59	137.62	137.92	138.67	139.58	
16	137.85	137.90	139.94	138.33	138.33	139.11	137.83	137.59	137.67	137.92	138.88	139.46	
17	137.85	137.93	139.92	138.18	138.38	139.03	137.82	137.59	137.69	137.92	138.88	139.41	
18	137.87	137.95	139.88	138.01	138.37	138.98	137.80	137.60	137.69	137.92	138.87	139.33	
19	137.88	137.95	139.84	137.91	138.36	138.92	137.79	137.60	137.69	137.92	138.87	139.29	
20	137.89	137.95	139.81	137.87	138.42	138.87	137.79	137.60	137.69	137.92	138.88	139.29	
21	137.89	137.95	139.78	137.97	138.49	138.84	137.78	137.60	137.69	137.92	138.96	139.29	
22	137.89	137.95	139.75	138.13	138.73	138.87	137.78	137.60	137.69	137.92	139.14	139.26	
23	137.89	137.95	139.72	138.00	138.92	138.95	137.78	137.60	137.69	137.92	139.15	139.20	
24	137.89	137.95	139.71	137.88	138.89	138.96	137.78	137.60	137.69	138.06	139.15	139.19	
25	137.89	137.95	139.68	137.85	138.85	138.97	137.78	137.60	137.69	138.54	139.15	139.18	
26	137.89	137.95	139.66	137.79	138.89	138.97	137.78	137.60	137.70	138.57	139.15	139.17	
27	137.89	137.95	139.64	137.78	138.88	139.00	137.78	137.60	137.78	138.56	139.26	139.17	
28	137.89	138.09	139.61	137.76	138.85	138.97	137.77	137.60	137.78	138.55	139.46	139.17	
29	137.89	138.58	139.48	137.76	138.81	138.96	137.76	137.60	137.78	138.55		139.16	
30	137.92	138.60	139.29	137.76	138.79	138.85	137.76	137.60	137.78	138.55		139.16	
31		138.62		137.80	138.78		137.77		137.78	138.54		139.15	
Mean	137.86	137.99	139.66	138.24	138.49	139.06	138.01	137.61	137.66	138.02	138.79	139.45	
Max	137.92	138.62	139.97	139.18	138.92	139.75	139.10	137.75	137.78	138.57	139.46	139.73	139.97
Min	137.83	137.88	138.67	137.76	137.92	138.83	137.76	137.58	137.60	137.78	138.52	139.15	137.58
Annual Max Momentary Gage Height	140.10		m. (MSL.) ,				at 06.00 Hours, on Jun 5, 2022						
Zero Gage at Bottom Elevation		137.00	m. (MSL.) ,			River Bed	137.19	m. (MSL.)					
Left Bank Elevation		150.20	m. (MSL.) ,										
Right Bank Elevation		149.61	m. (MSL.) ,			Drainage Are	6,044	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.74	5.06	18.58	32.44	2.96	22.42	29.80	1.00	0.40	1.12	15.46	43.76	
2	3.74	5.06	21.22	27.16	2.24	23.14	24.34	0.96	0.40	1.12	15.46	47.18	
3	3.74	5.06	34.42	25.30	1.76	23.38	17.62	1.00	0.40	1.12	15.46	49.84	
4	3.74	5.06	57.44	24.10	2.12	22.90	21.70	0.84	0.40	1.12	15.46	51.74	
5	3.63	4.73	60.86	21.46	2.06	23.14	7.52	0.36	0.44	1.12	15.46	51.36	
6	3.63	4.18	50.60	19.54	1.92	26.83	4.70	0.32	0.44	1.12	15.70	50.98	
7	3.63	4.18	45.28	14.50	1.68	25.78	3.32	0.36	0.44	1.12	15.70	50.98	
8	3.63	4.18	42.01	9.46	2.18	23.62	2.36	0.36	0.44	1.12	15.70	50.60	
9	3.63	4.18	48.32	6.04	5.18	37.06	1.68	0.36	0.44	1.12	15.70	50.60	
10	3.63	4.18	56.68	4.70	20.47	45.28	1.40	0.36	0.44	1.12	15.70	50.60	
11	3.74	4.18	57.82	3.44	24.10	52.50	1.32	0.36	0.44	1.12	15.46	49.84	
12	3.74	4.18	57.06	3.68	19.78	52.50	1.24	0.36	0.44	1.48	15.46	49.46	
13	3.85	4.18	55.92	3.14	16.42	46.80	1.16	0.36	0.44	4.62	15.22	48.70	
14	3.85	4.18	57.06	4.52	14.50	36.07	1.16	0.36	0.44	4.62	14.98	48.32	
15	3.85	4.18	58.96	7.68	12.70	32.11	1.20	0.36	0.48	4.62	18.58	46.04	
16	3.85	4.40	59.72	3.98	11.44	30.13	1.32	0.36	0.68	4.62	23.62	41.68	
17	3.85	4.73	58.96	3.08	12.34	27.49	1.28	0.36	0.76	4.62	23.62	40.03	
18	4.07	4.95	57.44	2.06	12.16	26.02	1.20	0.40	0.76	4.62	23.38	37.39	
19	4.18	4.95	55.92	1.64	11.98	24.58	1.16	0.40	0.76	4.62	23.38	36.07	
20	4.29	4.95	54.78	1.48	13.06	23.38	1.16	0.40	0.76	4.62	23.62	36.07	
21	4.29	4.95	53.64	1.88	14.32	22.66	1.12	0.40	0.76	4.62	25.54	36.07	
22	4.29	4.95	52.50	2.78	20.02	23.38	1.12	0.40	0.76	4.62	31.12	35.08	
23	4.29	4.95	51.36	2.00	24.58	25.30	1.12	0.40	0.76	4.62	31.45	33.10	
24	4.29	4.95	50.98	1.52	23.86	25.54	1.12	0.40	0.76	6.58	31.45	32.77	
25	4.29	4.95	49.84	1.40	22.90	25.78	1.12	0.40	0.76	15.46	31.45	32.44	
26	4.29	4.95	49.08	1.16	23.86	25.78	1.12	0.40	0.80	16.18	31.45	32.11	
27	4.29	4.95	48.32	1.12	23.62	26.50	1.12	0.40	1.12	15.94	35.08	32.11	
28	4.29	7.12	47.18	1.04	22.90	25.78	1.08	0.40	1.12	15.70	41.68	32.11	
29	4.29	16.42	42.34	1.04	21.94	25.54	1.04	0.40	1.12	15.70		31.78	
30	4.62	16.90	36.07	1.04	21.46	22.90	1.04	0.40	1.12	15.70		31.78	
31		17.38		1.20	21.22		1.08		1.12	15.46		31.45	
Total	119.24	183.22	1490.36	235.58	431.73	874.29	138.72	13.64	20.40	181.34	612.34	1292.04	5592.90 CMSDAY
Mean	3.97	5.91	49.68	7.60	13.93	29.14	4.47	0.45	0.66	5.85	21.87	41.68	15.32 CMS
Max	4.62	17.38	60.86	32.44	24.58	52.50	29.80	1.00	1.12	16.18	41.68	51.74	60.86 CMS
Min	3.63	4.18	18.58	1.04	1.68	22.42	1.04	0.32	0.40	1.12	14.98	31.45	0.32 CMS
Runoff	10.30	15.83	128.77	20.35	37.30	75.54	11.99	1.18	1.76	15.67	52.91	111.63	483.23 MCM
Momentary Peak	66.40	CMS, at 140.10 m. (MSL.), at 06.00 Hours, on Jun 5, 2022											
Runoff Yield	2.54	Liters/Second/Square KM.				Momentary Peak Yield	10.99	Liters/Second/Square KM.					

WATER YEAR : 2022**CHI RIVER BASIN****Huai Sang Ka at Ban Phon , Kalasin (E.76A)**

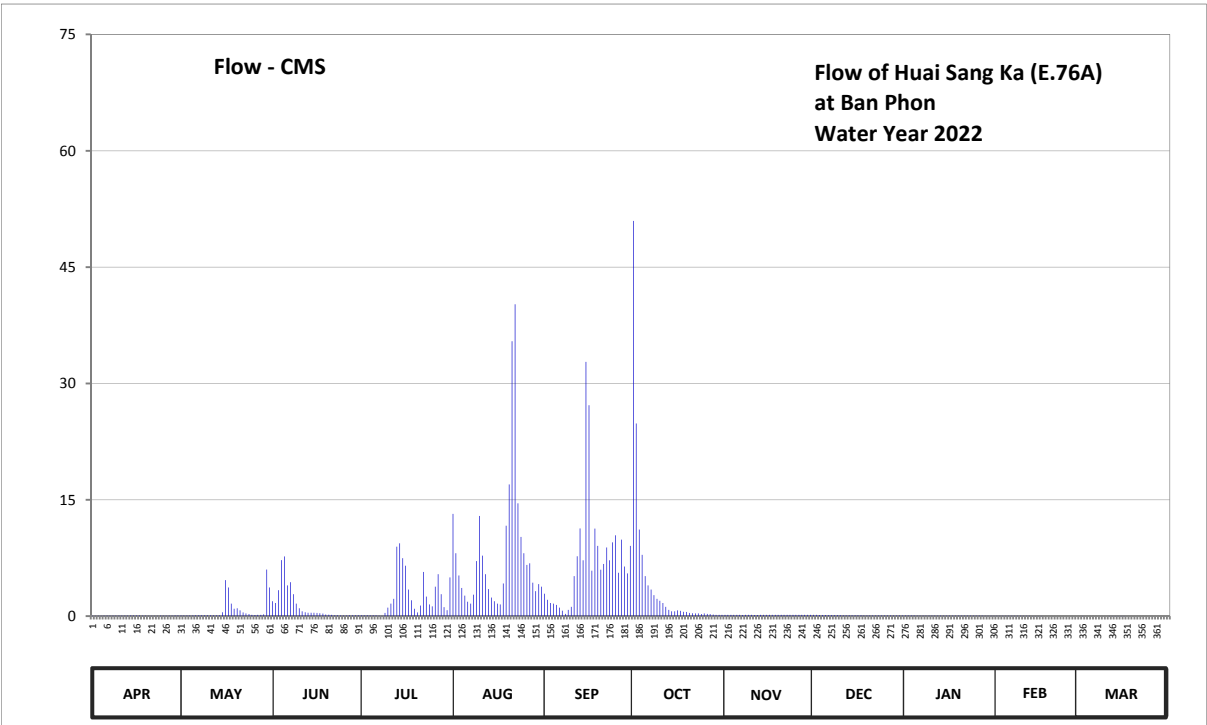
Lat 16 - 51 - 38 N Long 103 - 35 - 42 E

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

	Ban Phon	Amphoe Kham Muang	Changwat Kalasin
Drainge Area	192 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+163.900 m. (MSL.)		
Bench Mark	B.M.- Highways Dept.		
Location BM	On left bank about 2.50 meters from the top staff gage.	Elevation	+173.809 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings		
Period of Available Gage Records	1999 to date		
Rating Operation			
Period of Rating	1999 to date		
Rated by Float	-		
Rated by Current Meter	1999 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Stage-discharge relation defined by 43 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	164.25	164.29	164.82	164.30	166.52	164.98	168.73	164.37	164.36	164.28	164.25	164.19	
2	164.25	164.29	164.78	164.30	165.57	164.85	166.95	164.37	164.36	164.28	164.25	164.21	
3	164.25	164.29	165.05	164.30	165.28	164.78	165.93	164.36	164.35	164.28	164.25	164.20	
4	164.25	164.29	166.09	164.30	165.09	164.76	165.55	164.36	164.35	164.28	164.25	164.20	
5	164.26	164.29	165.53	164.30	164.94	164.73	165.27	164.36	164.34	164.27	164.25	164.19	
6	164.26	164.31	165.13	164.30	164.81	164.66	165.13	164.36	164.33	164.27	164.24	164.19	
7	164.26	164.31	165.18	164.27	164.76	164.57	165.06	164.35	164.33	164.27	164.24	164.19	
8	164.26	164.31	164.97	164.23	164.96	164.43	164.95	164.36	164.33	164.27	164.24	164.20	
9	164.26	164.30	164.76	164.47	165.47	164.60	164.87	164.37	164.32	164.27	164.23	164.20	
10	164.26	164.30	164.64	164.66	166.51	164.68	164.83	164.36	164.32	164.27	164.23	164.20	
11	164.27	164.30	164.54	164.76	165.54	165.27	164.78	164.35	164.31	164.27	164.23	164.21	
12	164.27	164.30	164.50	164.87	165.30	166.07	164.68	164.35	164.31	164.27	164.23	164.21	
13	164.27	164.30	164.48	165.65	165.07	165.85	164.60	164.36	164.31	164.27	164.22	164.21	
14	164.28	164.31	164.48	165.69	164.90	165.48	164.54	164.37	164.31	164.27	164.22	164.22	
15	164.28	164.50	164.48	166.08	164.82	167.47	164.54	164.37	164.30	164.27	164.21	164.22	
16	164.28	165.21	164.47	165.41	164.76	167.07	164.58	164.37	164.30	164.27	164.21	164.21	
17	164.28	165.10	164.46	165.06	164.74	166.25	164.56	164.37	164.30	164.27	164.20	164.20	
18	164.27	164.76	164.44	164.84	165.16	166.45	164.52	164.37	164.29	164.27	164.20	164.20	
19	164.26	164.63	164.40	164.63	165.88	165.66	164.51	164.37	164.29	164.27	164.20	164.20	
20	164.25	164.64	164.39	164.49	166.66	166.14	164.47	164.37	164.29	164.27	164.20	164.20	
21	164.24	164.58	164.37	164.71	167.66	166.11	164.46	164.37	164.28	164.26	164.20	164.19	
22	164.25	164.49	164.31	165.33	168.00	165.64	164.45	164.37	164.28	164.26	164.20	164.19	
23	164.25	164.45	164.30	164.92	166.57	165.48	164.45	164.37	164.28	164.26	164.19	164.19	
24	164.26	164.42	164.29	164.74	165.76	165.70	164.42	164.37	164.28	164.26	164.19	164.19	
25	164.26	164.36	164.28	164.69	165.57	165.96	164.45	164.37	164.28	164.26	164.19	164.19	
26	164.26	164.35	164.29	165.11	165.42	166.24	164.43	164.37	164.28	164.26	164.19	164.18	
27	164.27	164.36	164.30	165.30	165.44	165.73	164.42	164.37	164.28	164.26	164.19	164.18	
28	164.27	164.36	164.30	164.97	165.17	165.40	164.40	164.37	164.28	164.25	164.19	164.18	
29	164.28	164.41	164.30	164.67	165.03	165.31	164.36	164.37	164.28	164.25		164.17	
30	164.28	165.36	164.30	164.59	165.15	165.66	164.37	164.37	164.28	164.25		164.17	
31		165.10		166.18	165.11		164.36		164.28	164.25		164.17	
Mean	164.26	164.49	164.62	164.84	165.54	165.53	164.89	164.37	164.31	164.27	164.22	164.20	
Max	164.28	165.36	166.09	166.18	168.00	167.47	168.73	164.37	164.36	164.28	164.25	164.22	168.73
Min	164.24	164.29	164.28	164.23	164.74	164.43	164.36	164.35	164.28	164.25	164.19	164.17	164.17
Annual Max Momentary Gage Height	169.33	m. (MSL.) ,		at 15.00 Hours, on Oct 1, 2022									
Zero Gage at Bottom Elevation	163.90	m. (MSL.) ,		River Bed		163.88	m. (MSL)						
Left Bank Elevation	171.42	m. (MSL.) ,											
Right Bank Elevation	170.18	m. (MSL.) ,		Drainage Are		192	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.05	0.09	1.92	0.10	13.18	2.88	50.95	0.17	0.16	0.08	0.05	0.00	
2	0.05	0.09	1.70	0.10	8.10	2.10	24.84	0.17	0.16	0.08	0.05	0.01	
3	0.05	0.09	3.35	0.10	5.23	1.70	11.16	0.16	0.15	0.08	0.05	0.00	
4	0.05	0.09	7.21	0.10	3.63	1.60	7.90	0.16	0.15	0.08	0.05	0.00	
5	0.06	0.09	7.70	0.10	2.64	1.45	5.15	0.16	0.14	0.07	0.05	0.00	
6	0.06	0.11	3.96	0.10	1.86	1.10	3.96	0.16	0.13	0.07	0.04	0.00	
7	0.06	0.11	4.38	0.07	1.60	0.71	3.42	0.15	0.13	0.07	0.04	0.00	
8	0.06	0.11	2.82	0.03	2.76	0.29	2.70	0.16	0.13	0.07	0.04	0.00	
9	0.06	0.10	1.60	0.41	7.10	0.80	2.22	0.17	0.12	0.07	0.03	0.00	
10	0.06	0.10	1.00	1.10	12.91	1.20	1.98	0.16	0.12	0.07	0.03	0.00	
11	0.07	0.10	0.62	1.60	7.80	5.15	1.70	0.15	0.11	0.07	0.03	0.01	
12	0.07	0.10	0.50	2.22	5.40	7.71	1.20	0.15	0.11	0.07	0.03	0.01	
13	0.07	0.10	0.44	8.95	3.49	11.30	0.80	0.16	0.11	0.07	0.02	0.01	
14	0.08	0.11	0.44	9.39	2.40	7.20	0.62	0.17	0.11	0.07	0.02	0.02	
15	0.08	0.50	0.44	7.46	1.92	32.78	0.62	0.17	0.10	0.07	0.01	0.02	
16	0.08	4.64	0.41	6.50	1.60	27.18	0.74	0.17	0.10	0.07	0.01	0.01	
17	0.08	3.70	0.38	3.42	1.50	5.86	0.68	0.17	0.10	0.07	0.00	0.00	
18	0.07	1.60	0.32	2.04	4.21	11.28	0.56	0.17	0.09	0.07	0.00	0.00	
19	0.06	0.95	0.20	0.95	11.66	9.06	0.53	0.17	0.09	0.07	0.00	0.00	
20	0.05	1.00	0.19	0.47	16.98	5.98	0.41	0.17	0.09	0.07	0.00	0.00	
21	0.04	0.74	0.17	1.35	35.44	6.72	0.38	0.17	0.08	0.06	0.00	0.00	
22	0.05	0.47	0.11	5.70	40.20	8.84	0.35	0.17	0.08	0.06	0.00	0.00	
23	0.05	0.35	0.10	2.52	14.54	7.20	0.35	0.17	0.08	0.06	0.00	0.00	
24	0.06	0.26	0.09	1.50	10.22	9.50	0.26	0.17	0.08	0.06	0.00	0.00	
25	0.06	0.16	0.08	1.25	8.10	10.42	0.35	0.17	0.08	0.06	0.00	0.00	
26	0.06	0.15	0.09	3.79	6.60	5.59	0.29	0.17	0.08	0.06	0.00	0.00	
27	0.07	0.16	0.10	5.40	6.80	9.86	0.26	0.17	0.08	0.06	0.00	0.00	
28	0.07	0.16	0.10	2.82	4.30	6.40	0.20	0.17	0.08	0.05	0.00	0.00	
29	0.08	0.23	0.10	1.15	3.21	5.50	0.16	0.17	0.08	0.05		0.00	
30	0.08	6.00	0.10	0.77	4.13	9.06	0.17	0.17	0.08	0.05		0.00	
31		3.70		4.99	3.79		0.16		0.08	0.05		0.00	
Total	1.89	26.16	40.62	76.45	253.30	216.42	125.07	4.97	3.28	2.06	0.55	0.09	750.86 CMSDAY
Mean	0.06	0.84	1.35	2.47	8.17	7.21	4.03	0.17	0.11	0.07	0.02	0.00	2.06 CMS
Max	0.08	6.00	7.70	9.39	40.20	32.78	50.95	0.17	0.16	0.08	0.05	0.02	50.95 CMS
Min	0.04	0.09	0.08	0.03	1.50	0.29	0.16	0.15	0.08	0.05	0.00	0.00	0.00 CMS
Runoff	0.16	2.26	3.51	6.61	21.89	18.70	10.81	0.43	0.28	0.18	0.05	0.01	64.87 MCM
Momentary Peak	59.95	CMS, at 169.33 m. (MSL), at 15.00 Hours, on Oct 1, 2022											
Runoff Yield	10.71	Liters/Second/Square KM.			Momentary Peak Yield			312.24	Liters/Second/Square KM.				

WATER YEAR : 2022**CHI RIVER BASIN****Lam Saphung at Ban Na Charoen , Chaiyaphum (E.83)**

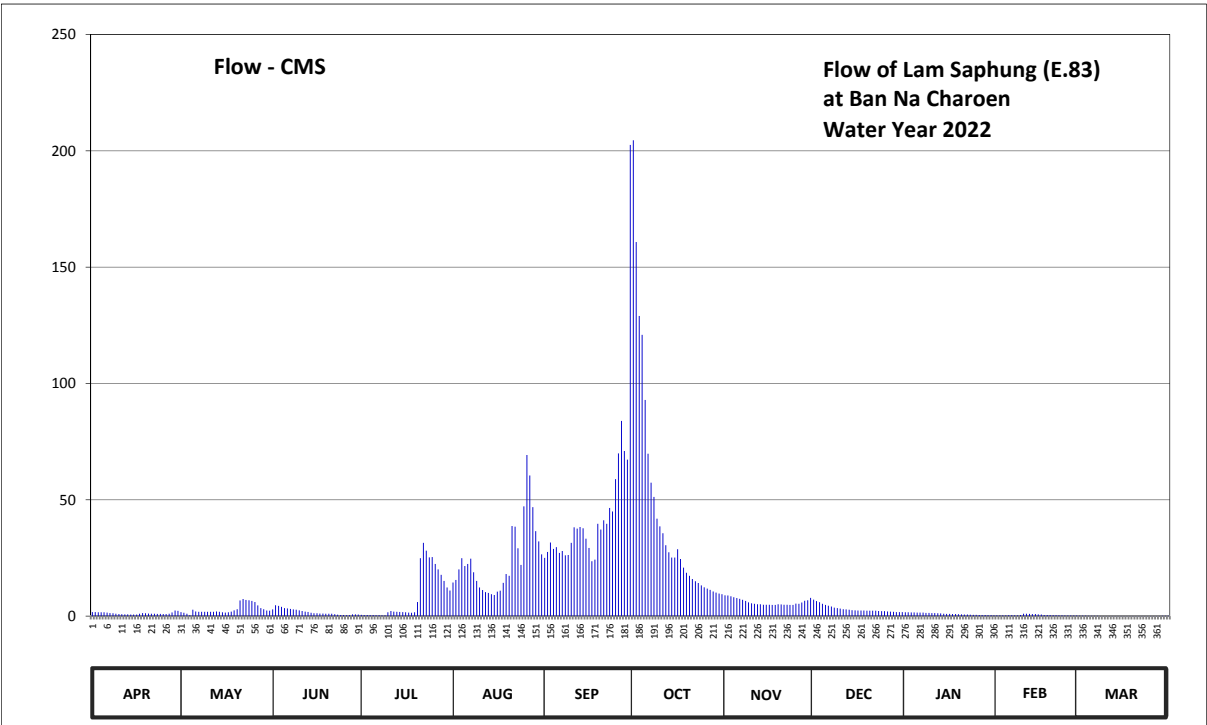
Lat 16 - 09 - 21 N Long 101 - 39 - 13 E

Location : on left bank at Ban Na Charoen.

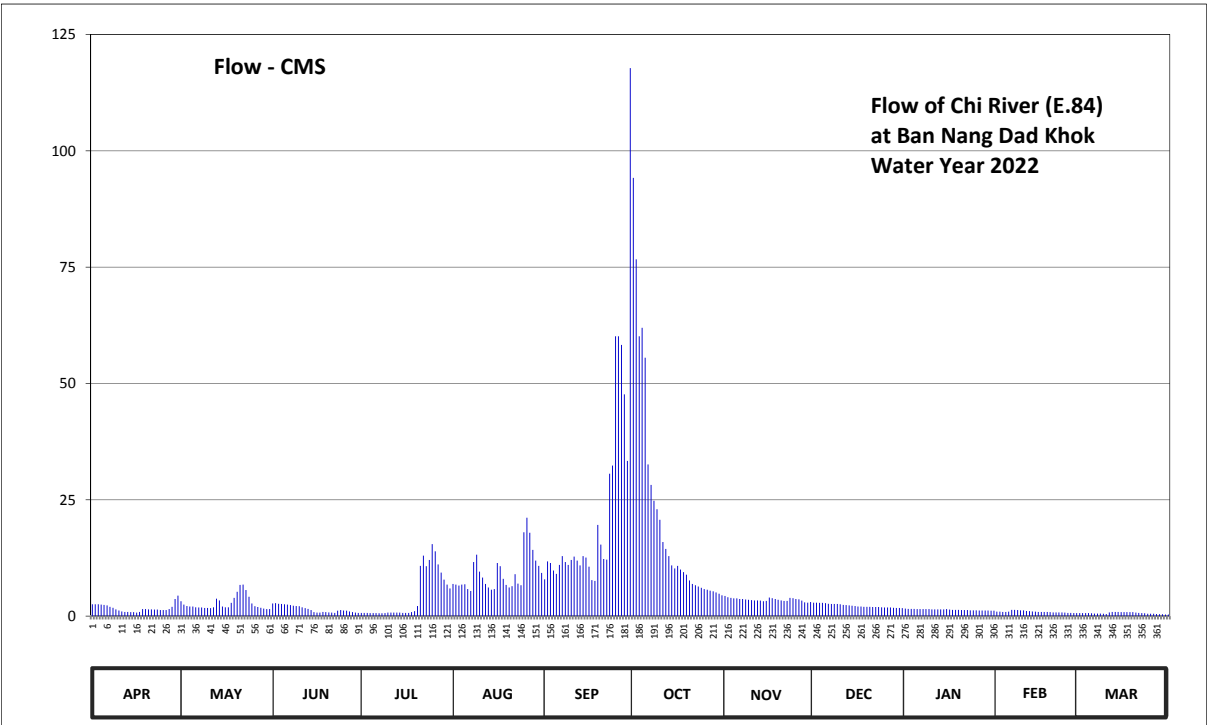
	Ban	Na Charoen	Amphoe	Nong Bua Daeng	Changwat	Chaiyaphum
Drainge Area	719	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+222.700 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On left bank downstream at the footpath of the bridge.				Elevation	+236.237 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2004 to date					
Rating Operation						
Period of Rating	2004 to date					
Rated by Float	-					
Rated by Current Meter	2004 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +231.250 m.(MSL.), record are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 32 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	224.30	224.30	224.56	224.01	226.04	226.96	233.69	225.43	225.20	224.28	223.87	223.70	
2	224.30	224.23	224.86	223.99	226.14	227.16	232.80	225.42	225.12	224.28	223.86	223.69	
3	224.28	224.13	224.82	223.97	226.55	227.47	232.05	225.38	225.06	224.27	223.85	223.67	
4	224.28	223.92	224.75	223.95	226.95	227.26	231.82	225.33	224.97	224.27	223.85	223.65	
5	224.28	224.54	224.65	223.95	226.67	227.32	230.95	225.28	224.89	224.26	223.88	223.63	
6	224.25	224.38	224.63	223.92	226.74	227.13	229.81	225.24	224.83	224.25	223.88	223.60	
7	224.20	224.34	224.60	223.91	226.93	227.19	229.08	225.19	224.77	224.25	223.87	223.60	
8	224.18	224.34	224.56	223.87	226.44	227.05	228.72	225.13	224.69	224.22	223.86	223.58	
9	224.14	224.34	224.54	223.85	226.10	227.06	228.17	225.05	224.65	224.21	223.98	223.58	
10	224.10	224.34	224.50	224.28	225.81	227.46	227.97	225.00	224.62	224.20	224.14	223.56	
11	224.08	224.34	224.42	224.42	225.69	227.94	227.76	224.97	224.58	224.20	224.13	223.55	
12	224.06	224.34	224.36	224.36	225.59	227.90	227.38	224.93	224.56	224.19	224.12	223.53	
13	224.06	224.38	224.32	224.34	225.55	227.95	227.15	224.93	224.54	224.16	224.10	223.52	
14	224.04	224.34	224.24	224.32	225.49	227.91	226.97	224.90	224.51	224.14	224.09	223.51	
15	224.04	224.28	224.19	224.30	225.45	227.59	226.97	224.90	224.50	224.12	224.06	223.50	
16	224.04	224.26	224.18	224.28	225.61	227.29	227.25	224.90	224.48	224.12	224.04	223.50	
17	224.14	224.28	224.15	224.25	225.66	226.84	226.92	224.89	224.48	224.10	224.00	223.50	
18	224.20	224.36	224.15	224.24	226.03	226.90	226.61	224.89	224.47	224.10	223.97	223.49	
19	224.18	224.49	224.14	224.29	226.37	228.04	226.42	224.93	224.46	224.08	223.95	223.49	
20	224.15	224.57	224.13	225.07	226.30	227.87	226.30	224.92	224.46	224.06	223.93	223.49	
21	224.14	225.15	224.13	226.95	227.98	228.13	226.18	224.90	224.45	224.05	223.90	223.48	
22	224.14	225.23	224.08	227.46	227.96	228.04	226.09	224.90	224.45	224.05	223.85	223.48	
23	224.11	225.18	224.02	227.20	227.28	228.44	226.02	224.88	224.43	224.02	223.81	223.48	
24	224.11	225.16	223.97	226.98	226.71	228.35	225.91	224.89	224.41	224.01	223.79	223.51	
25	224.09	225.13	223.95	226.99	228.48	229.17	225.82	224.98	224.40	224.01	223.77	223.50	
26	224.09	225.07	223.93	226.74	229.78	229.82	225.76	224.97	224.38	223.99	223.76	223.50	
27	224.14	224.85	223.92	226.55	229.26	230.54	225.70	225.04	224.35	223.97	223.75	223.54	
28	224.27	224.65	224.07	226.34	228.46	229.88	225.62	225.14	224.34	223.95	223.75	223.53	
29	224.48	224.57	224.07	226.10	227.82	229.66	225.57	225.16	224.31	223.92		223.59	
30	224.44	224.48	224.04	225.81	227.51	233.65	225.52	225.29	224.30	223.89		223.65	
31		224.45		225.67	227.08		225.49		224.30	223.87		223.63	
Mean	224.18	224.53	224.30	225.04	226.79	228.13	227.69	225.06	224.58	224.11	223.92	223.56	
Max	224.48	225.23	224.86	227.46	229.78	233.65	233.69	225.43	225.20	224.28	224.14	223.70	233.69
Min	224.04	223.92	223.92	223.85	225.45	226.84	225.49	224.88	224.30	223.87	223.75	223.48	223.48
Annual Max Momentary Gage Height	234.10		m. (MSL.) ,			at 18.00 Hours, on Sep 30, 2022							
Zero Gage at Bottom Elevation	222.70		m. (MSL.) ,			River Bed	222.78	m. (MSL.)					
Left Bank Elevation		235.04		m. (MSL.) ,									
Right Bank Elevation		231.24		m. (MSL.) ,		Drainage Are	719	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.70	1.70	2.86	0.54	14.44	25.02	204.50	8.94	7.10	1.62	0.37	0.20	
2	1.70	1.42	4.66	0.49	15.54	27.58	160.80	8.86	6.46	1.62	0.36	0.19	
3	1.62	1.02	4.42	0.47	20.10	31.61	129.00	8.54	5.98	1.58	0.35	0.17	
4	1.62	0.42	4.00	0.45	24.90	28.88	120.88	8.14	5.32	1.58	0.35	0.15	
5	1.62	2.74	3.40	0.45	21.54	29.66	92.90	7.74	4.84	1.54	0.38	0.13	
6	1.50	2.02	3.28	0.42	22.38	27.19	69.77	7.42	4.48	1.50	0.38	0.10	
7	1.30	1.86	3.10	0.41	24.66	27.97	57.36	7.02	4.12	1.50	0.37	0.10	
8	1.22	1.86	2.86	0.37	18.84	26.15	51.24	6.54	3.64	1.38	0.36	0.09	
9	1.06	1.86	2.74	0.35	15.10	26.28	41.89	5.90	3.40	1.34	0.48	0.09	
10	0.90	1.86	2.50	1.62	12.29	31.48	38.58	5.50	3.22	1.30	1.06	0.08	
11	0.82	1.86	2.18	2.18	11.21	38.16	35.64	5.32	2.98	1.30	1.02	0.08	
12	0.74	1.86	1.94	1.94	10.31	37.60	30.44	5.08	2.86	1.26	0.98	0.07	
13	0.74	2.02	1.78	1.86	9.95	38.30	27.45	5.08	2.74	1.14	0.90	0.06	
14	0.66	1.86	1.46	1.78	9.42	37.74	25.14	4.90	2.56	1.06	0.86	0.06	
15	0.66	1.62	1.26	1.70	9.10	33.26	25.14	4.90	2.50	0.98	0.74	0.05	
16	0.66	1.54	1.22	1.62	10.49	29.27	28.75	4.90	2.42	0.98	0.66	0.05	
17	1.06	1.62	1.10	1.50	10.94	23.58	24.54	4.84	2.42	0.90	0.50	0.05	
18	1.30	1.94	1.10	1.46	14.33	24.30	20.82	4.84	2.38	0.90	0.47	0.05	
19	1.22	2.46	1.06	1.66	18.07	39.68	18.62	5.08	2.34	0.82	0.45	0.05	
20	1.10	2.92	1.02	6.06	17.30	37.18	17.30	5.02	2.34	0.74	0.43	0.05	
21	1.06	6.70	1.02	24.90	38.72	41.21	15.98	4.90	2.30	0.70	0.40	0.04	
22	1.06	7.34	0.82	31.48	38.44	39.68	14.99	4.90	2.30	0.70	0.35	0.04	
23	0.94	6.94	0.58	28.10	29.14	46.48	14.22	4.78	2.22	0.58	0.31	0.04	
24	0.94	6.78	0.47	25.26	22.02	44.95	13.19	4.84	2.14	0.54	0.29	0.06	
25	0.86	6.54	0.45	25.38	47.16	58.89	12.38	5.38	2.10	0.54	0.27	0.05	
26	0.86	6.06	0.43	22.38	69.26	69.94	11.84	5.32	2.02	0.49	0.26	0.05	
27	1.06	4.60	0.42	20.10	60.42	83.88	11.30	5.82	1.90	0.47	0.25	0.07	
28	1.58	3.40	0.78	17.74	46.82	70.96	10.58	6.62	1.86	0.45	0.25	0.07	
29	2.42	2.92	0.78	15.10	36.48	67.22	10.13	6.78	1.74	0.42		0.10	
30	2.26	2.42	0.66	12.29	32.14	202.50	9.68	7.82	1.70	0.39		0.15	
31		2.30		11.03	26.54		9.42		1.70	0.37		0.13	
Total	36.24	92.46	54.35	261.09	758.05	1346.60	1354.47	181.72	96.08	30.69	13.85	2.67	4228.27 CMSDAY
Mean	1.21	2.98	1.81	8.42	24.45	44.89	43.69	6.06	3.10	0.99	0.49	0.09	11.58 CMS
Max	2.42	7.34	4.66	31.48	69.26	202.50	204.50	8.94	7.10	1.62	1.06	0.20	204.50 CMS
Min	0.66	0.42	0.42	0.35	9.10	23.58	9.42	4.78	1.70	0.37	0.25	0.04	0.04 CMS
Runoff	3.13	7.99	4.70	22.56	65.50	116.35	117.03	15.70	8.30	2.65	1.20	0.23	365.32 MCM
Momentary Peak	225.00	CMS, at 234.10 m. (MSL.), at 18.00 Hours, on Sep 30, 2022											
Runoff Yield	16.11	Liters/Second/Square KM.			Momentary Peak Yield		312.93	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.54	3.20	2.72	0.70	6.92	7.92	94.16	4.34	2.90	1.60	0.95	0.65	
2	2.54	2.48	2.78	0.70	6.78	11.74	76.68	4.04	2.90	1.55	0.95	0.65	
3	2.54	2.18	2.66	0.70	6.57	11.42	60.12	3.92	2.84	1.55	0.90	0.65	
4	2.48	2.06	2.60	0.65	6.78	9.81	61.96	3.80	2.84	1.55	0.90	0.65	
5	2.42	2.06	2.54	0.65	6.85	9.09	55.52	3.80	2.78	1.50	0.95	0.60	
6	2.30	1.90	2.48	0.65	5.80	11.01	32.60	3.68	2.66	1.50	1.35	0.55	
7	2.00	1.85	2.36	0.60	5.38	12.88	28.20	3.68	2.60	1.50	1.35	0.55	
8	1.80	1.85	2.24	0.60	11.63	11.63	24.80	3.56	2.60	1.50	1.30	0.55	
9	1.45	1.75	2.18	0.65	13.19	11.01	22.95	3.50	2.60	1.50	1.25	0.50	
10	1.20	1.75	2.12	0.75	9.54	12.05	20.70	3.44	2.54	1.45	1.25	0.45	
11	1.00	1.70	1.90	0.75	8.28	12.78	15.90	3.38	2.42	1.45	1.10	0.80	
12	0.90	1.90	1.70	0.75	6.92	11.94	14.44	3.38	2.36	1.45	1.05	0.90	
13	0.90	3.74	1.55	0.75	6.15	10.90	12.88	3.32	2.30	1.45	1.00	0.90	
14	0.85	3.38	1.30	0.75	5.66	12.88	10.90	3.20	2.24	1.45	0.95	0.90	
15	0.85	2.06	0.85	0.70	5.80	12.57	10.26	3.26	2.18	1.50	0.90	0.85	
16	0.75	1.90	0.75	0.70	11.42	10.62	10.80	3.98	2.06	1.40	0.90	0.85	
17	0.90	1.90	0.75	0.70	10.71	7.74	9.99	3.86	2.06	1.35	0.90	0.85	
18	1.50	2.84	0.90	0.85	8.01	7.56	9.45	3.68	2.00	1.35	0.90	0.85	
19	1.50	3.92	0.85	1.05	6.71	19.58	8.91	3.50	2.00	1.35	0.85	0.85	
20	1.45	5.24	0.80	2.18	6.15	15.38	7.65	3.38	2.00	1.30	0.80	0.75	
21	1.45	6.71	0.75	10.80	6.43	12.26	6.92	3.26	1.95	1.30	0.80	0.70	
22	1.40	6.78	0.70	12.98	9.00	12.15	6.64	3.26	1.95	1.30	0.80	0.65	
23	1.40	5.59	1.15	10.71	6.99	30.60	6.36	3.92	1.95	1.25	0.80	0.60	
24	1.30	4.16	1.30	12.05	6.64	32.35	6.08	3.86	1.90	1.25	0.75	0.50	
25	1.30	2.72	1.20	15.48	18.02	60.12	5.80	3.68	1.85	1.25	0.70	0.50	
26	1.30	2.12	1.15	13.92	21.15	60.12	5.66	3.62	1.85	1.20	0.70	0.50	
27	1.50	1.95	1.00	11.11	17.90	58.28	5.45	3.32	1.85	1.20	0.65	0.45	
28	2.00	1.80	0.85	9.36	14.23	47.65	5.31	2.96	1.80	1.20	0.65	0.40	
29	3.68	1.60	0.75	7.83	11.94	33.35	5.10	2.90	1.75	1.20		0.40	
30	4.40	1.50	0.70	6.78	10.80	117.76	4.82	3.02	1.75	1.15		0.35	
31		1.50		5.94	9.27		4.47		1.70	1.15		0.35	
Total	51.60	86.09	45.58	132.79	287.62	695.15	651.48	106.50	69.18	42.70	26.35	19.70	2214.74 CMSDAY
Mean	1.72	2.78	1.52	4.28	9.28	23.17	21.02	3.55	2.23	1.38	0.94	0.64	6.07 CMS
Max	4.40	6.78	2.78	15.48	21.15	117.76	94.16	4.34	2.90	1.60	1.35	0.90	117.76 CMS
Min	0.75	1.50	0.70	0.60	5.38	7.56	4.47	2.90	1.70	1.15	0.65	0.35	0.35 CMS
Runoff	4.46	7.44	3.94	11.47	24.85	60.06	56.29	9.20	5.98	3.69	2.28	1.70	191.35 MCM
Momentary Peak	134.40 CMS, at 243.80 m. (MSL.), at 06.00 Hours, on Sep 30, 2022												
Runoff Yield	12.36	Liters/Second/Square KM.		Momentary Peak Yield		273.73	Liters/Second/Square KM.						

WATER YEAR : 2022**CHI RIVER BASIN****Lam Nam Choen at Ban Non Han , Khon Kaen (E.85)**

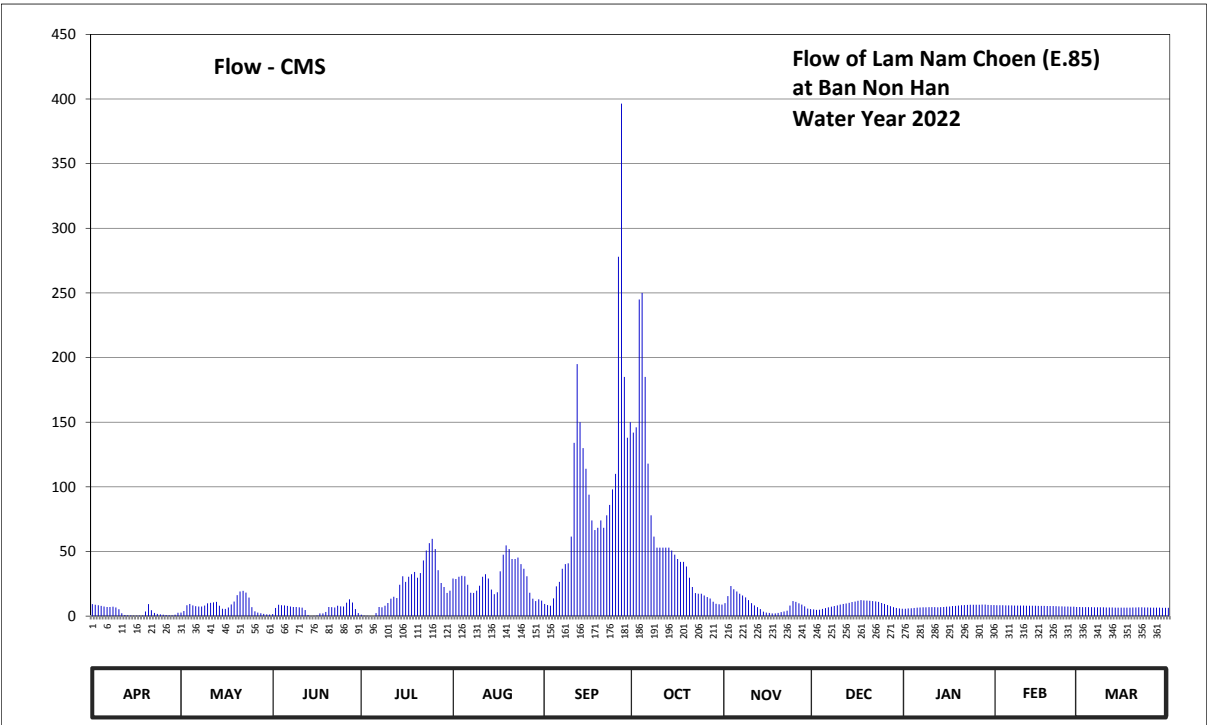
Lat 16 - 35 - 26 N Long 101 - 58 - 60 E

Location : on left bank at Ban Non Han.

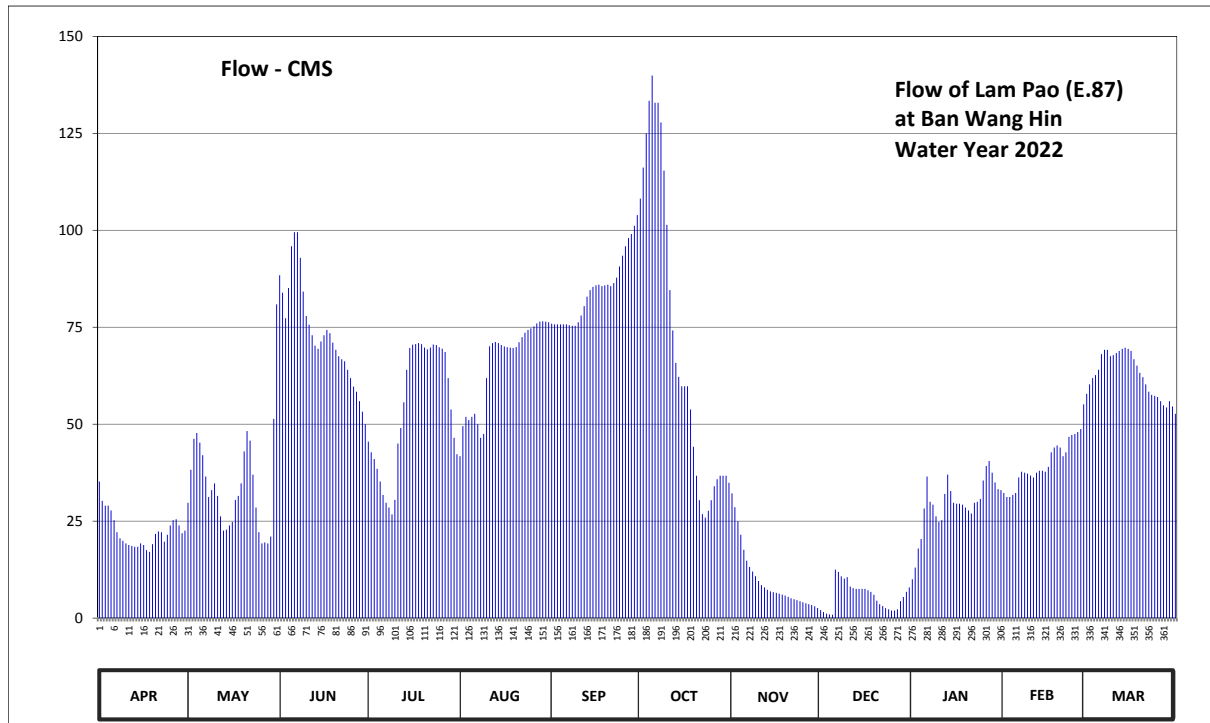
	Ban	Non Han	Amphoe	Chum Phae	Changwat	Khon Kaen
Drainge Area	1,150	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+224.800 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On left bank downstream at the footpath of the bridge.				Elevation	+235.165 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2004 to date					
Rating Operation						
Period of Rating	2004 to date					
Rated by Float	-					
Rated by Current Meter	2004 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 24 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	227.91	226.96	226.80	226.71	229.53	227.93	230.18	228.00	227.32	227.40	227.79	227.59	
2	227.84	227.15	227.48	226.58	229.52	227.80	230.19	228.68	227.27	227.43	227.79	227.58	
3	227.78	227.78	227.84	226.54	229.57	227.74	230.39	229.33	227.29	227.45	227.78	227.58	
4	227.72	227.93	227.79	226.53	229.59	228.46	230.40	229.23	227.38	227.49	227.77	227.57	
5	227.65	227.77	227.77	226.51	229.58	229.32	230.27	229.10	227.47	227.52	227.77	227.57	
6	227.59	227.68	227.71	226.91	229.37	229.45	230.12	228.91	227.55	227.54	227.77	227.56	
7	227.60	227.64	227.64	227.60	229.01	229.71	230.02	228.75	227.62	227.55	227.76	227.55	
8	227.62	227.65	227.59	227.56	228.99	229.77	229.95	228.56	227.69	227.56	227.76	227.55	
9	227.54	227.76	227.59	227.73	229.17	229.78	229.90	228.30	227.77	227.57	227.76	227.55	
10	227.34	227.99	227.55	228.02	229.34	229.95	229.90	228.00	227.85	227.58	227.75	227.54	
11	226.89	228.03	227.53	228.43	229.57	230.16	229.90	227.77	227.92	227.58	227.74	227.54	
12	226.68	228.08	227.26	228.62	229.62	230.29	229.90	227.57	227.97	227.56	227.74	227.54	
13	226.63	228.12	226.67	228.49	229.53	230.20	229.90	227.36	228.03	227.58	227.73	227.53	
14	226.60	227.74	226.53	229.37	229.22	230.15	229.88	227.07	228.11	227.60	227.73	227.53	
15	226.58	227.40	226.55	229.58	228.87	230.11	229.85	226.97	228.16	227.62	227.72	227.52	
16	226.58	227.38	226.59	229.45	229.04	230.06	229.82	226.92	228.24	227.64	227.72	227.52	
17	226.57	227.54	226.86	229.57	229.67	230.01	229.80	226.87	228.29	227.69	227.72	227.53	
18	226.59	227.87	226.86	229.62	229.85	229.98	229.80	226.87	228.27	227.72	227.70	227.53	
19	227.10	228.15	227.04	229.66	229.91	229.99	229.74	226.93	228.25	227.75	227.69	227.54	
20	227.91	228.78	227.59	229.55	229.89	230.01	229.55	227.02	228.23	227.78	227.69	227.54	
21	227.24	229.11	227.57	229.64	229.82	229.99	229.30	227.10	228.20	227.80	227.68	227.55	
22	226.92	229.15	227.54	229.81	229.82	230.02	228.98	227.19	228.17	227.82	227.67	227.55	
23	226.81	229.02	227.73	229.88	229.83	230.04	228.91	227.76	228.12	227.84	227.66	227.54	
24	226.76	228.55	227.66	229.92	229.77	230.07	228.91	228.21	228.02	227.84	227.65	227.54	
25	226.71	227.58	227.65	229.94	229.71	230.10	228.75	228.13	227.92	227.84	227.64	227.53	
26	226.66	227.11	228.05	229.89	229.58	230.44	228.59	227.98	227.80	227.84	227.63	227.53	
27	226.63	226.97	228.38	229.69	229.01	230.59	228.45	227.85	227.68	227.85	227.62	227.52	
28	226.63	226.88	228.06	229.42	228.43	230.27	228.14	227.66	227.57	227.86	227.60	227.52	
29	226.72	226.81	227.36	229.30	228.21	230.17	227.94	227.42	227.49	227.83		227.51	
30	226.95	226.76	226.91	228.99	228.38	230.20	227.89	227.37	227.44	227.81		227.50	
31		226.73		229.17	228.25		227.85		227.39	227.80		227.50	
Mean	227.09	227.74	227.41	228.67	229.34	229.76	229.46	227.83	227.82	227.67	227.72	227.54	
Max	227.91	229.15	228.38	229.94	229.91	230.59	230.40	229.33	228.29	227.86	227.79	227.59	230.59
Min	226.57	226.73	226.53	226.51	228.21	227.74	227.85	226.87	227.27	227.40	227.60	227.50	226.51
Annual Max Momentary Gage Height	230.77		m. (MSL.) ,			at 24.00 Hours, on Sep 26, 2022							
Zero Gage at Bottom Elevation	224.80		m. (MSL.) ,			River Bed	225.32	m. (MSL.)					
Left Bank Elevation		233.86		m. (MSL.) ,									
Right Bank Elevation		233.18		m. (MSL.) ,		Drainage Are	1,150	Square Kilometers					

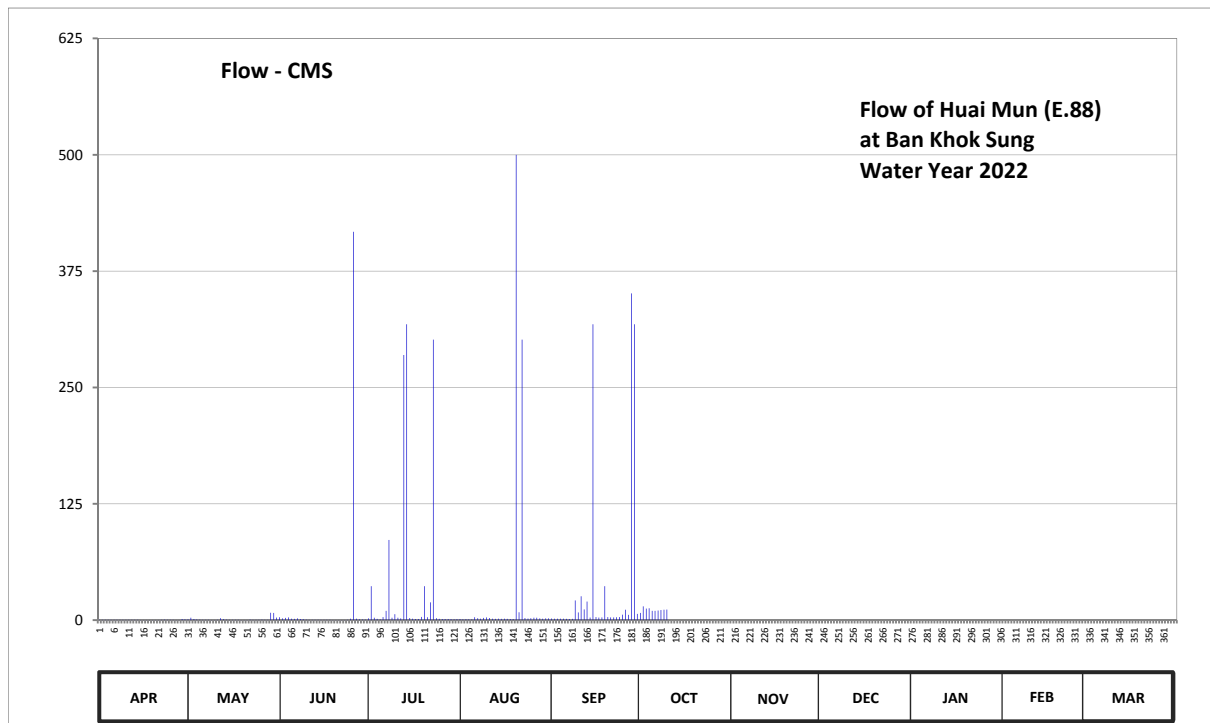


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	9.28	2.69	1.65	1.07	29.05	9.44	142.00	10.00	5.14	5.70	8.43	7.03	
2	8.78	3.95	6.26	0.40	28.70	8.50	146.00	15.44	4.79	5.91	8.43	6.96	
3	8.36	8.36	8.78	0.20	30.45	8.08	245.00	23.25	4.93	6.05	8.36	6.96	
4	7.94	9.44	8.43	0.15	31.15	13.68	250.00	20.75	5.56	6.33	8.29	6.89	
5	7.45	8.29	8.29	0.05	30.80	23.00	185.00	19.00	6.19	6.54	8.29	6.89	
6	7.03	7.66	7.87	2.37	24.25	26.50	118.00	17.28	6.75	6.68	8.29	6.82	
7	7.10	7.38	7.38	7.10	18.10	36.60	78.00	16.00	7.24	6.75	8.22	6.75	
8	7.24	7.45	7.03	6.82	17.92	40.20	61.50	14.48	7.73	6.82	8.22	6.75	
9	6.68	8.22	7.03	8.01	19.70	40.80	53.00	12.40	8.29	6.89	8.22	6.75	
10	5.28	9.92	6.75	10.16	23.50	61.50	53.00	10.00	8.85	6.96	8.15	6.68	
11	2.24	10.24	6.61	13.44	30.45	134.00	53.00	8.29	9.36	6.96	8.08	6.68	
12	0.90	10.64	4.72	14.96	32.40	195.00	53.00	6.89	9.76	6.82	8.08	6.68	
13	0.65	10.96	0.85	13.92	29.05	150.00	53.00	5.42	10.24	6.96	8.01	6.61	
14	0.50	8.08	0.15	24.25	20.50	130.00	50.80	3.41	10.88	7.10	8.01	6.61	
15	0.40	5.70	0.25	30.80	16.96	114.00	47.50	2.76	11.28	7.24	7.94	6.54	
16	0.40	5.56	0.45	26.50	18.40	94.00	44.20	2.43	11.92	7.38	7.94	6.54	
17	0.35	6.68	2.04	30.45	34.65	74.00	42.00	2.11	12.32	7.73	7.94	6.61	
18	0.45	8.99	2.04	32.40	47.50	66.60	42.00	2.11	12.16	7.94	7.80	6.61	
19	3.60	11.20	3.21	34.20	54.70	68.30	38.40	2.50	12.00	8.15	7.73	6.68	
20	9.28	16.24	7.03	29.75	51.90	74.00	29.75	3.08	11.84	8.36	7.73	6.68	
21	4.58	19.10	6.89	33.30	44.20	68.30	22.50	3.60	11.60	8.50	7.66	6.75	
22	2.43	19.50	6.68	43.10	44.20	78.00	17.84	4.23	11.36	8.64	7.59	6.75	
23	1.72	18.20	8.01	50.80	45.30	86.00	17.28	8.22	10.96	8.78	7.52	6.68	
24	1.39	14.40	7.52	56.40	40.20	98.00	17.28	11.68	10.16	8.78	7.45	6.68	
25	1.07	6.96	7.45	59.80	36.60	110.00	16.00	11.04	9.36	8.78	7.38	6.61	
26	0.80	3.67	10.40	51.90	30.80	278.00	14.72	9.84	8.50	8.78	7.31	6.61	
27	0.65	2.76	13.04	35.55	18.10	396.50	13.60	8.85	7.66	8.85	7.24	6.54	
28	0.65	2.17	10.48	25.60	13.44	185.00	11.12	7.52	6.89	8.92	7.10	6.54	
29	1.13	1.72	5.42	22.50	11.68	138.00	9.52	5.84	6.33	8.71		6.47	
30	2.63	1.39	2.37	17.92	13.04	150.00	9.13	5.49	5.98	8.57		6.40	
31		1.20		19.70	12.00		8.85		5.63	8.50		6.40	
Total	110.96	258.72	175.08	703.57	899.69	2956.00	1942.99	273.91	271.66	235.08	221.41	207.15	8256.22 CMSDAY
Mean	3.70	8.35	5.84	22.70	29.02	98.53	62.68	9.13	8.76	7.58	7.91	6.68	22.62 CMS
Max	9.28	19.50	13.04	59.80	54.70	396.50	250.00	23.25	12.32	8.92	8.43	7.03	396.50 CMS
Min	0.35	1.20	0.15	0.05	11.68	8.08	8.85	2.11	4.79	5.70	7.10	6.40	0.05 CMS
Runoff	9.59	22.35	15.13	60.79	77.73	255.40	167.87	23.67	23.47	20.31	19.13	17.90	713.34 MCM
Momentary Peak	549.50 CMS, at 230.77 m. (MSL.), at 24.00 Hours, on Sep 26, 2022												
Runoff Yield	19.67	Liters/Second/Square KM.		Momentary Peak Yield		477.83	Liters/Second/Square KM.						



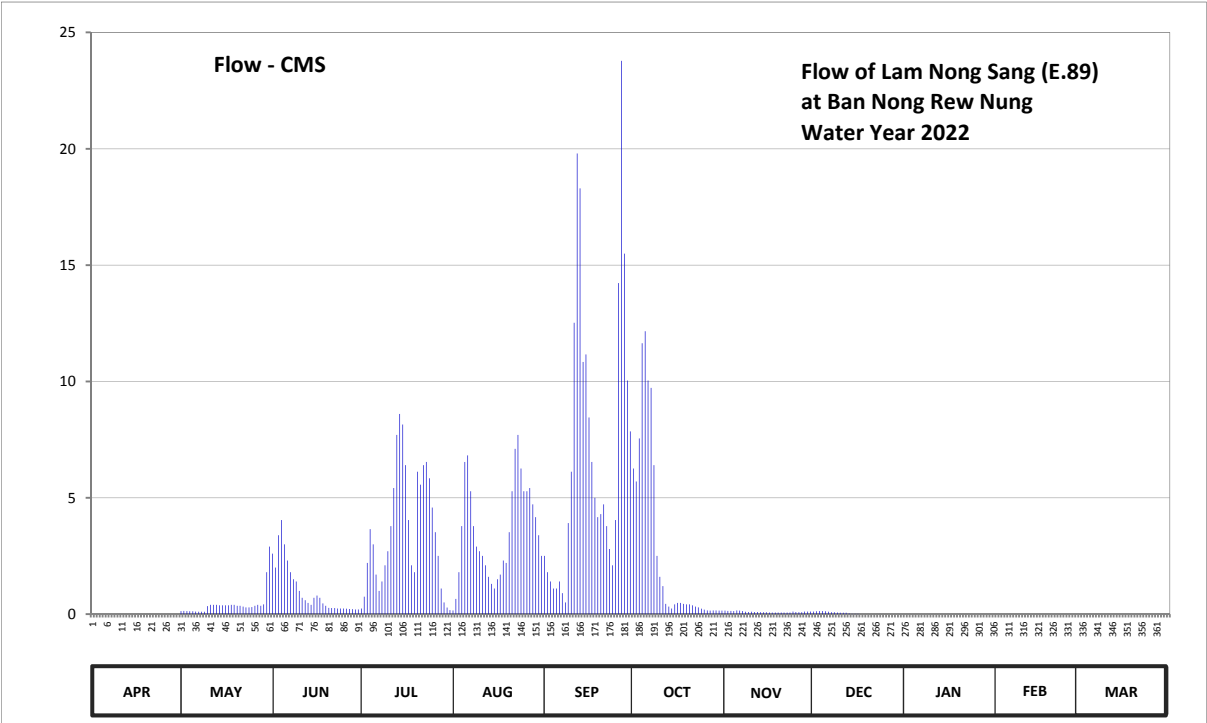
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	35.25	29.75	88.40	45.50	41.75	75.92	108.20	32.20	2.07	10.01	32.25	57.83		
2	30.25	38.25	83.90	42.75	49.50	75.74	116.20	28.60	1.56	13.05	31.25	60.26		
3	29.00	46.25	77.30	41.00	51.89	75.74	125.00	25.00	1.17	17.96	31.25	61.88		
4	29.00	47.75	85.10	38.50	51.08	75.74	133.40	21.50	0.94	20.38	31.75	62.69		
5	27.75	45.25	95.90	35.25	51.89	75.74	139.90	17.60	0.86	28.25	32.25	64.04		
6	25.25	42.00	99.50	31.75	52.70	75.74	132.90	14.80	12.48	36.50	36.25	68.09		
7	22.14	36.50	99.50	29.75	50.00	75.56	132.90	13.20	11.91	30.00	37.75	69.17		
8	20.60	31.25	92.90	28.50	46.50	75.38	127.80	12.00	10.77	29.25	37.50	69.17		
9	19.94	33.00	84.20	26.75	47.50	75.38	115.40	10.80	10.20	26.25	37.25	67.55		
10	19.28	34.75	77.90	30.50	61.88	76.28	101.40	9.55	10.58	24.78	36.75	67.82		
11	18.84	31.50	75.65	45.00	70.09	78.04	84.60	8.50	8.11	25.25	36.25	68.36		
12	18.62	26.25	72.95	49.00	70.94	80.44	74.20	7.90	7.73	32.00	37.50	68.90		
13	18.40	22.58	70.25	55.67	71.21	82.88	65.80	7.30	7.54	37.00	38.00	69.44		
14	18.40	22.80	69.44	64.04	70.94	84.60	62.20	6.90	7.54	32.75	38.00	69.71		
15	19.28	23.90	71.33	69.65	70.41	85.40	59.80	6.70	7.54	29.75	37.75	69.44		
16	18.84	24.78	72.95	70.51	70.06	85.80	59.80	6.50	7.54	29.50	39.00	68.90		
17	17.52	30.50	74.30	70.67	69.86	86.00	59.80	6.30	7.16	29.50	42.75	66.74		
18	17.08	31.50	73.49	70.94	69.71	85.60	53.80	6.08	6.78	29.25	44.00	65.12		
19	19.06	34.75	71.06	70.64	69.65	85.80	44.20	5.83	6.02	28.50	44.50	63.23		
20	21.70	43.00	69.17	69.77	69.90	86.00	36.70	5.50	4.50	27.75	44.00	62.15		
21	22.36	48.25	67.55	69.32	71.14	85.60	30.40	5.13	3.60	27.00	41.75	60.26		
22	22.14	45.75	66.74	69.77	72.43	86.40	26.80	4.86	3.15	29.75	42.75	58.37		
23	19.72	37.00	66.20	70.54	73.60	87.80	25.90	4.62	2.55	30.00	46.75	57.56		
24	21.48	28.50	64.04	70.44	74.32	90.70	27.70	4.38	2.25	30.75	47.25	57.29		
25	23.90	22.14	61.88	69.83	74.71	93.45	30.40	4.09	1.95	35.50	47.50	57.02		
26	25.25	19.28	59.72	69.47	75.20	95.90	34.00	3.83	1.95	39.25	48.00	55.94		
27	25.50	19.50	58.37	68.63	76.01	98.00	35.80	3.60	2.25	40.50	48.75	54.86		
28	23.90	19.28	55.94	61.88	76.46	99.05	36.70	3.38	4.35	37.50	55.13	54.32		
29	21.92	21.04	53.24	53.78	76.55	101.15	36.70	3.06	5.45	35.00		55.94		
30	22.58	51.35	50.00	46.50	76.46	103.95	36.70	2.60	6.78	33.25		54.59		
31		80.90		42.25	76.28		34.90		7.92	33.00		52.70		
Total	674.95	1069.30	2208.87	1678.55	2030.62	2539.78	2190.00	292.31	175.20	909.18	1123.88	1939.34	16831.98	CMSDAY
Mean	22.50	34.49	73.63	54.15	65.50	84.66	70.65	9.74	5.65	29.33	40.14	62.56	46.12	CMS
Max	35.25	80.90	99.50	70.94	76.55	103.95	139.90	32.20	12.48	40.50	55.13	69.71	139.90	CMS
Min	17.08	19.28	50.00	26.75	41.75	75.38	25.90	2.60	0.86	10.01	31.25	52.70	0.86	CMS
Runoff	58.32	92.39	190.85	145.03	175.45	219.44	189.22	25.26	15.14	78.55	97.10	167.56	1454.28	MCM
Momentary Peak	134.60 CMS, at 136.38 m. (MSL.), at 07.00 Hours, on Oct 7, 2022													
Runoff Yield	6.26 Liters/Second/Square KM.				Momentary Peak Yield		18.26	Liters/Second/Square KM.						



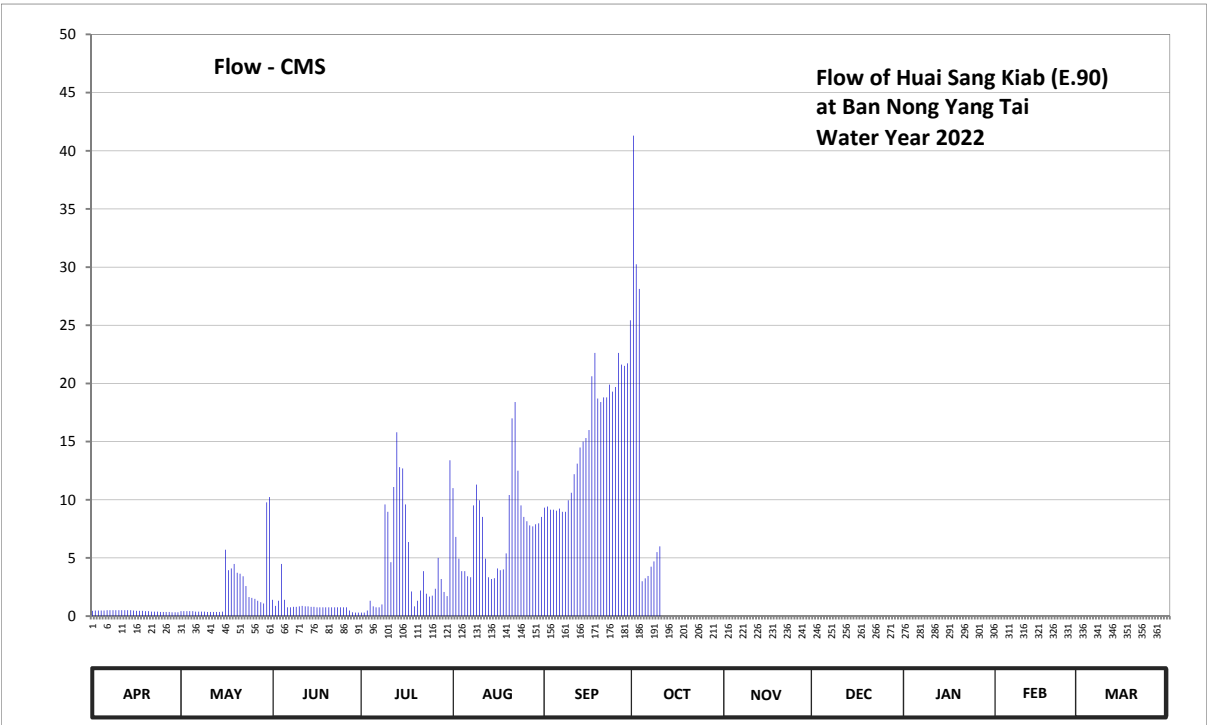
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.40	0.90	3.00	1.86	1.14	1.65	7.67	0.00	0.00	0.00	0.00	0.00	
2	0.40	2.55	1.80	36.50	0.90	1.50	14.85	0.00	0.00	0.00	0.00	0.00	
3	0.38	1.26	2.31	2.61	0.99	1.50	12.30	0.00	0.00	0.00	0.00	0.00	
4	0.36	0.63	2.97	1.35	0.90	1.50	12.78	0.00	0.00	0.00	0.00	0.00	
5	0.32	0.46	1.50	0.78	0.87	1.53	10.02	0.00	0.00	0.00	0.00	0.00	
6	0.32	0.34	1.29	3.20	3.00	1.38	9.90	0.00	0.00	0.00	0.00	0.00	
7	0.30	0.30	1.89	9.90	2.07	1.23	10.38	0.00	0.00	0.00	0.00	0.00	
8	0.30	0.30	1.11	86.16	1.56	1.29	10.74	0.00	0.00	0.00	0.00	0.00	
9	0.28	0.22	0.96	2.49	2.31	21.08	11.10	0.00	0.00	0.00	0.00	0.00	
10	0.28	0.20	0.58	6.42	2.97	8.21	11.34	0.00	0.00	0.00	0.00	0.00	
11	0.26	0.38	0.40	2.58	2.16	25.68	0.00	0.00	0.00	0.00	0.00	0.00	
12	0.26	2.10	0.38	1.89	1.53	11.58	0.00	0.00	0.00	0.00	0.00	0.00	
13	0.30	0.96	0.34	284.80	1.35	19.95	0.00	0.00	0.00	0.00	0.00	0.00	
14	0.28	0.48	0.30	317.91	1.62	2.82	0.00	0.00	0.00	0.00	0.00	0.00	
15	0.24	0.38	0.26	2.25	1.35	317.91	0.00	0.00	0.00	0.00	0.00	0.00	
16	0.24	0.36	0.28	1.47	1.62	3.20	0.00	0.00	0.00	0.00	0.00	0.00	
17	0.24	0.34	0.38	1.20	1.41	2.76	0.00	0.00	0.00	0.00	0.00	0.00	
18	0.24	0.30	0.26	1.17	1.23	2.91	0.00	0.00	0.00	0.00	0.00	0.00	
19	0.24	0.24	0.24	3.40	1.20	36.50	0.00	0.00	0.00	0.00	0.00	0.00	
20	0.22	0.22	0.22	36.50	500.00	3.28	0.00	0.00	0.00	0.00	0.00	0.00	
21	0.22	0.24	0.20	3.12	8.40	2.94	0.00	0.00	0.00	0.00	0.00	0.00	
22	0.36	0.42	0.18	19.05	301.35	2.85	0.00	0.00	0.00	0.00	0.00	0.00	
23	0.58	0.34	0.20	301.35	2.28	3.00	0.00	0.00	0.00	0.00	0.00	0.00	
24	0.36	0.40	0.28	1.98	1.68	3.24	0.00	0.00	0.00	0.00	0.00	0.00	
25	0.30	0.28	1.59	1.35	2.01	5.86	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.26	0.44	417.22	1.14	2.49	11.22	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.24	0.28	1.50	1.11	2.49	5.70	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.22	0.34	0.93	1.11	1.80	351.01	0.00	0.00	0.00	0.00	0.00	0.00	
29	1.17	7.94	0.66	0.96	1.50	317.91	0.00	0.00	0.00	0.00		0.00	
30	0.78	7.76	0.58	0.87	1.95	6.68	0.00	0.00	0.00	0.00		0.00	
31		2.70		0.99	1.95		0.00		0.00	0.00		0.00	
Total	10.35	34.06	443.81	1137.47	858.08	1177.87	111.08	0.00	0.00	0.00	0.00	0.00	3772.72 CMSDAY
Mean	0.34	1.10	14.79	36.69	27.68	39.26	3.58	0.00	0.00	0.00	0.00	0.00	10.34 CMS
Max	1.17	7.94	417.22	317.91	500.00	351.01	14.85	0.00	0.00	0.00	0.00	0.00	500.00 CMS
Min	0.22	0.20	0.18	0.78	0.87	1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.89	2.94	38.35	98.28	74.14	101.77	9.60	0.00	0.00	0.00	0.00	0.00	325.96 MCM
Momentary Peak	36.12 CMS, at 166.82 m. (MSL), at 08.00 Hours, on Sep 11, 2022												
Runoff Yield	107.67	Liters/Second/Square KM.			Momentary Peak Yield			376.25	Liters/Second/Square KM.				

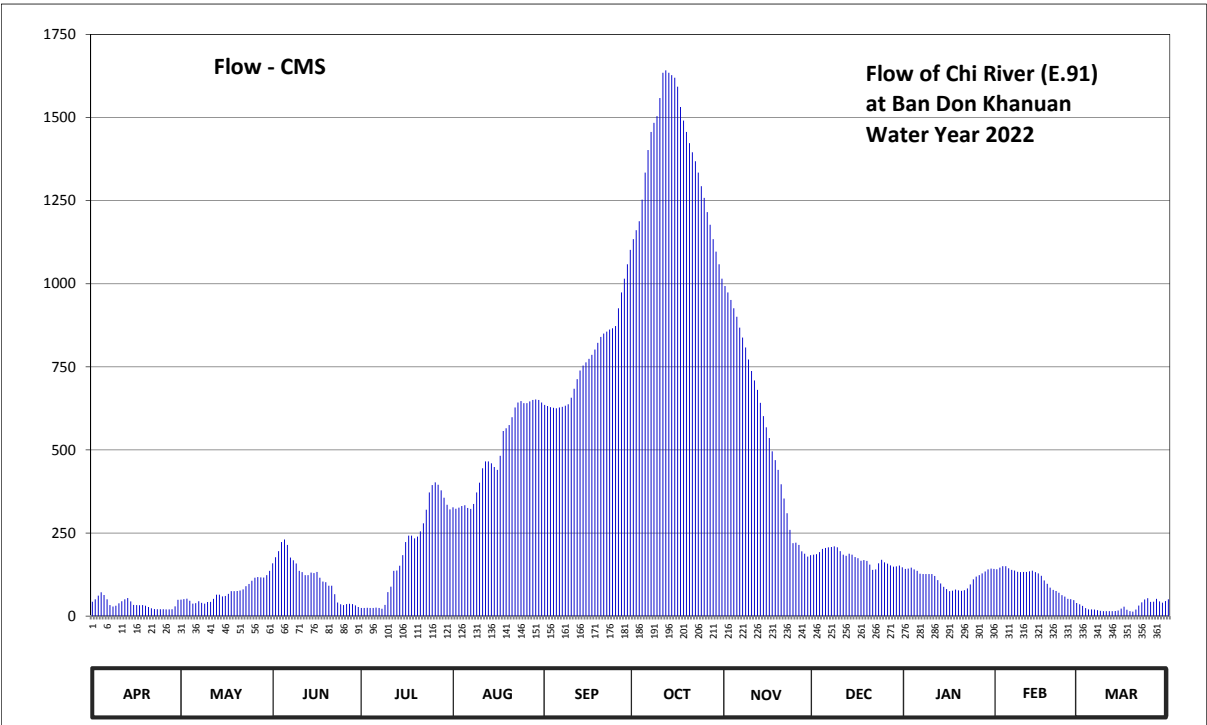


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

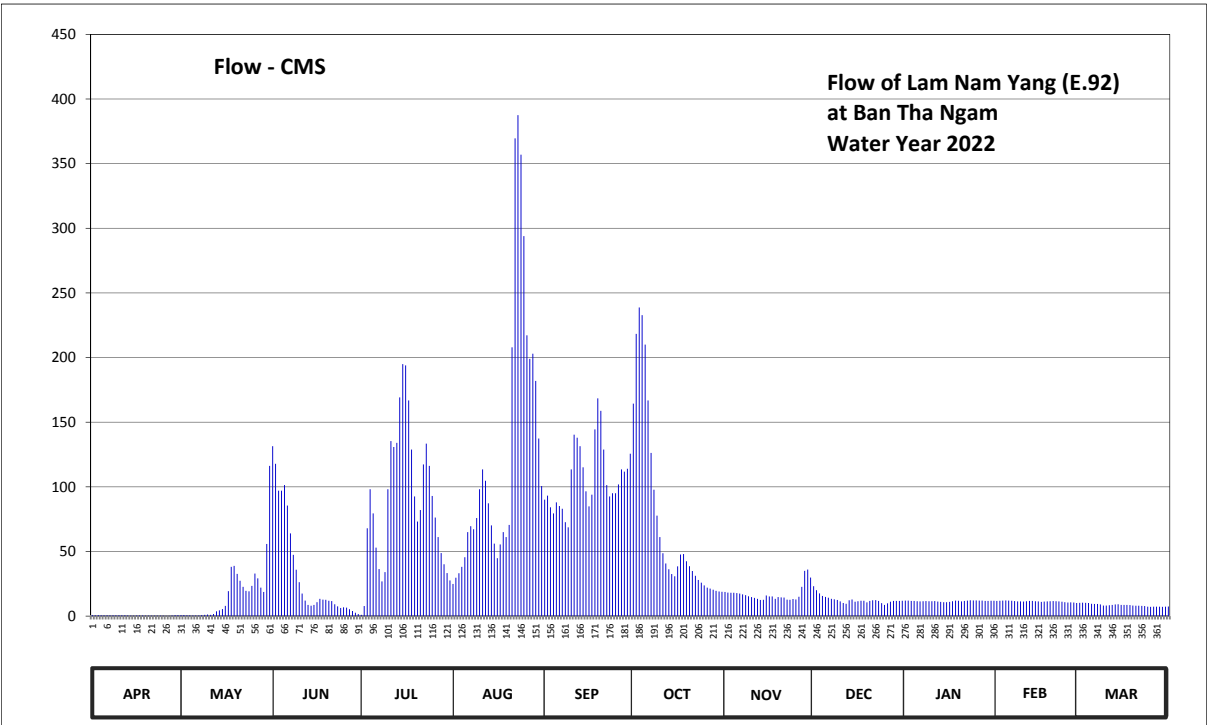
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.13	2.60	0.24	0.16	2.50	6.26	0.15	0.11	0.00	0.00	0.00	
2	0.00	0.14	2.00	0.75	0.65	1.80	5.70	0.14	0.12	0.00	0.00	0.00	
3	0.00	0.13	3.39	2.20	1.80	1.40	7.55	0.14	0.13	0.00	0.00	0.00	
4	0.00	0.12	4.04	3.65	3.78	1.10	11.64	0.13	0.13	0.00	0.00	0.00	
5	0.00	0.12	3.00	3.00	6.54	1.10	12.16	0.16	0.12	0.00	0.00	0.00	
6	0.00	0.11	2.30	1.70	6.82	1.40	10.04	0.15	0.10	0.00	0.00	0.00	
7	0.00	0.10	1.80	1.00	5.28	0.90	9.72	0.13	0.08	0.00	0.00	0.00	
8	0.00	0.10	1.50	1.40	3.78	0.50	6.40	0.10	0.08	0.00	0.00	0.00	
9	0.00	0.10	1.40	2.10	2.90	3.91	2.50	0.09	0.07	0.00	0.00	0.00	
10	0.00	0.34	1.00	2.70	2.70	6.12	1.60	0.10	0.06	0.00	0.00	0.00	
11	0.00	0.40	0.70	3.78	2.50	12.52	1.20	0.09	0.06	0.00	0.00	0.00	
12	0.00	0.40	0.60	5.42	2.10	19.80	0.44	0.09	0.06	0.00	0.00	0.00	
13	0.00	0.40	0.48	7.70	1.60	18.30	0.32	0.08	0.03	0.00	0.00	0.00	
14	0.00	0.38	0.40	8.60	1.30	10.84	0.24	0.08	0.01	0.00	0.00	0.00	
15	0.00	0.38	0.70	8.15	1.10	11.16	0.42	0.08	0.01	0.00	0.00	0.00	
16	0.00	0.38	0.80	6.40	1.50	8.45	0.48	0.07	0.01	0.00	0.00	0.00	
17	0.00	0.38	0.70	4.04	1.70	6.54	0.48	0.07	0.00	0.00	0.00	0.00	
18	0.00	0.40	0.46	2.10	2.30	5.00	0.44	0.07	0.00	0.00	0.00	0.00	
19	0.00	0.40	0.36	1.80	2.20	4.17	0.42	0.07	0.00	0.00	0.00	0.00	
20	0.00	0.36	0.27	6.12	3.52	4.30	0.42	0.07	0.00	0.00	0.00	0.00	
21	0.00	0.36	0.26	5.56	5.28	4.72	0.38	0.07	0.00	0.00	0.00	0.00	
22	0.00	0.32	0.26	6.40	7.10	3.78	0.32	0.07	0.00	0.00	0.00	0.00	
23	0.00	0.29	0.24	6.54	7.70	2.80	0.29	0.07	0.00	0.00	0.00	0.00	
24	0.00	0.29	0.24	5.84	6.26	2.10	0.23	0.11	0.00	0.00	0.00	0.00	
25	0.00	0.30	0.24	4.58	5.28	4.04	0.19	0.09	0.00	0.00	0.00	0.00	
26	0.00	0.36	0.23	3.52	5.28	14.23	0.16	0.08	0.00	0.00	0.00	0.00	
27	0.00	0.40	0.22	2.50	5.42	23.78	0.15	0.08	0.00	0.00	0.00	0.00	
28	0.00	0.36	0.21	1.10	4.72	15.49	0.16	0.11	0.00	0.00	0.00	0.00	
29	0.00	0.42	0.20	0.50	4.17	10.04	0.16	0.11	0.00	0.00	0.00	0.00	
30	0.00	1.80	0.20	0.28	3.39	7.85	0.15	0.11	0.00	0.00		0.00	
31		2.90		0.17	2.50		0.15		0.00	0.00		0.00	
Total	0.00	13.07	30.80	109.84	111.33	210.64	80.77	2.96	1.18	0.00	0.00	0.00	560.59 CMSDAY
Mean	0.00	0.42	1.03	3.54	3.59	7.02	2.61	0.10	0.04	0.00	0.00	0.00	1.54 CMS
Max	0.00	2.90	4.04	8.60	7.70	23.78	12.16	0.16	0.13	0.00	0.00	0.00	23.78 CMS
Min	0.00	0.10	0.20	0.17	0.16	0.50	0.15	0.07	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	1.13	2.66	9.49	9.62	18.20	6.98	0.26	0.10	0.00	0.00	0.00	48.43 MCM
Momentary Peak	28.71 CMS, at 173.89 m. (MSL), at 18.00 Hours, on Sep 12, 2022												
Runoff Yield	9.14	Liters/Second/Square KM.			Momentary Peak Yield		170.89	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.45	0.42	1.40	0.30	11.00	9.33	41.30	0.00	0.00	0.00	0.00	0.00	
2	0.48	0.42	0.88	0.30	6.81	9.42	30.24	0.00	0.00	0.00	0.00	0.00	
3	0.48	0.42	1.32	0.48	4.94	9.15	28.12	0.00	0.00	0.00	0.00	0.00	
4	0.48	0.42	4.48	1.32	3.87	9.15	3.00	0.00	0.00	0.00	0.00	0.00	
5	0.48	0.42	1.40	0.84	3.87	9.06	3.25	0.00	0.00	0.00	0.00	0.00	
6	0.51	0.39	0.76	0.76	3.42	9.24	3.45	0.00	0.00	0.00	0.00	0.00	
7	0.51	0.39	0.76	0.76	3.34	8.97	4.25	0.00	0.00	0.00	0.00	0.00	
8	0.51	0.39	0.80	1.00	9.51	8.97	4.70	0.00	0.00	0.00	0.00	0.00	
9	0.51	0.39	0.80	9.60	11.30	9.96	5.50	0.00	0.00	0.00	0.00	0.00	
10	0.51	0.36	0.84	8.97	9.96	10.60	6.00	0.00	0.00	0.00	0.00	0.00	
11	0.51	0.36	0.88	4.63	8.52	12.20	0.00	0.00	0.00	0.00	0.00	0.00	
12	0.51	0.36	0.84	11.10	4.94	13.10	0.00	0.00	0.00	0.00	0.00	0.00	
13	0.51	0.36	0.84	15.80	3.34	14.50	0.00	0.00	0.00	0.00	0.00	0.00	
14	0.51	0.36	0.80	12.80	3.19	15.00	0.00	0.00	0.00	0.00	0.00	0.00	
15	0.48	0.39	0.80	12.70	3.26	15.30	0.00	0.00	0.00	0.00	0.00	0.00	
16	0.45	5.70	0.76	9.60	4.10	16.00	0.00	0.00	0.00	0.00	0.00	0.00	
17	0.45	3.95	0.76	6.36	3.95	20.61	0.00	0.00	0.00	0.00	0.00	0.00	
18	0.45	4.10	0.76	2.12	4.02	22.63	0.00	0.00	0.00	0.00	0.00	0.00	
19	0.42	4.48	0.76	0.84	5.39	18.70	0.00	0.00	0.00	0.00	0.00	0.00	
20	0.42	3.72	0.76	1.32	10.41	18.40	0.00	0.00	0.00	0.00	0.00	0.00	
21	0.39	3.64	0.76	2.20	17.00	18.80	0.00	0.00	0.00	0.00	0.00	0.00	
22	0.39	3.42	0.76	3.87	18.40	18.80	0.00	0.00	0.00	0.00	0.00	0.00	
23	0.39	2.58	0.76	1.92	12.50	19.90	0.00	0.00	0.00	0.00	0.00	0.00	
24	0.36	1.64	0.76	1.68	9.51	19.30	0.00	0.00	0.00	0.00	0.00	0.00	
25	0.36	1.56	0.76	1.76	8.52	19.70	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.36	1.48	0.76	2.35	8.16	22.63	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.36	1.32	0.48	5.01	7.80	21.62	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.33	1.20	0.33	3.19	7.71	21.51	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.33	1.08	0.30	2.08	7.89	21.73	0.00	0.00	0.00	0.00		0.00	
30	0.33	9.78	0.30	1.72	7.98	25.43	0.00	0.00	0.00	0.00		0.00	
31		10.23		13.40	8.52		0.00		0.00	0.00		0.00	
Total	13.23	65.73	27.37	140.78	233.13	469.71	129.81	0.00	0.00	0.00	0.00	0.00	1079.76 CMSDAY
Mean	0.44	2.12	0.91	4.54	7.52	15.66	4.19	0.00	0.00	0.00	0.00	0.00	2.96 CMS
Max	0.51	10.23	4.48	15.80	18.40	25.43	41.30	0.00	0.00	0.00	0.00	0.00	41.30 CMS
Min	0.33	0.36	0.30	0.30	3.19	8.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	1.14	5.68	2.36	12.16	20.14	40.58	11.22	0.00	0.00	0.00	0.00	0.00	93.29 MCM
Momentary Peak	46.45	CMS, at 165.11 m. (MSL), at 10.00 Hours, on Oct 1, 2022											
Runoff Yield	16.34	Liters/Second/Square KM.				Momentary Peak Yield	257.13	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	43.44	49.68	159.04	24.72	327.20	635.20	1134.20	993.20	184.72	141.76	141.12	35.76		
2	50.64	51.12	176.96	24.72	323.20	631.96	1161.20	973.60	186.16	143.04	145.60	30.96		
3	61.68	52.56	195.52	25.20	326.40	628.72	1188.20	951.20	192.64	145.60	150.08	24.24		
4	71.72	46.32	223.04	24.72	331.20	626.56	1253.00	926.00	202.00	140.48	150.08	20.40		
5	63.60	37.68	230.64	24.72	333.60	625.48	1334.40	900.80	204.88	136.00	143.68	20.40		
6	50.64	39.12	214.24	25.68	325.60	627.64	1402.40	868.00	207.04	127.68	139.20	19.92		
7	33.36	44.88	176.32	24.72	322.40	629.80	1456.80	838.00	207.76	126.40	137.28	17.64		
8	29.04	40.08	168.00	22.32	337.60	633.04	1484.00	808.00	209.92	126.40	133.44	15.84		
9	31.44	37.68	158.40	33.84	372.00	637.36	1504.40	772.00	207.04	126.40	132.16	14.76		
10	38.64	42.48	136.00	72.24	401.60	657.20	1558.80	737.36	195.52	126.40	132.80	14.76		
11	44.88	42.96	132.16	88.36	444.80	684.08	1634.60	708.80	184.72	120.64	132.80	14.76		
12	50.64	52.08	123.20	136.00	465.68	712.88	1641.90	680.72	181.44	108.24	134.72	14.76		
13	54.48	64.56	123.20	137.28	465.68	738.72	1634.60	641.68	187.60	98.16	136.64	15.48		
14	44.40	64.56	130.88	151.36	459.52	753.68	1627.30	601.72	184.72	87.84	132.16	16.92		
15	33.84	59.28	129.60	183.36	448.80	763.20	1620.00	568.08	177.60	81.08	128.32	22.80		
16	33.36	60.72	132.80	223.04	440.00	774.00	1592.80	535.88	174.40	74.84	121.28	28.56		
17	32.88	67.04	115.52	242.04	482.40	786.00	1531.60	495.60	166.72	76.40	107.12	19.44		
18	33.36	74.84	103.76	242.04	557.04	802.00	1490.80	469.20	168.64	80.04	97.04	15.12		
19	31.44	74.84	102.08	233.68	565.32	822.00	1456.80	440.00	166.08	77.44	85.76	13.32		
20	27.60	75.36	91.48	239.00	574.52	840.00	1422.80	396.80	155.20	75.88	79.00	19.92		
21	23.76	76.92	91.48	254.96	598.48	850.00	1395.60	353.60	139.20	77.96	75.36	31.92		
22	21.36	80.56	66.00	279.28	627.64	856.00	1368.40	309.60	140.48	83.16	70.16	41.52		
23	20.88	89.92	41.04	320.00	642.76	862.00	1334.40	259.52	159.04	95.36	63.12	50.16		
24	20.88	96.48	35.76	372.00	647.12	866.00	1293.60	219.28	169.28	110.48	58.80	54.00		
25	20.88	106.56	33.36	394.40	640.60	872.80	1258.40	220.76	161.60	118.88	52.08	42.96		
26	20.40	115.52	36.24	402.40	640.60	926.00	1215.20	214.24	157.76	123.20	51.12	43.44		
27	20.40	117.20	37.20	395.20	646.00	973.60	1177.40	194.80	152.64	128.32	48.24	52.08		
28	20.88	116.64	36.24	378.40	650.48	1015.40	1134.20	187.60	148.80	134.08	39.60	44.40		
29	29.52	116.08	32.40	356.00	651.60	1058.60	1096.40	178.88	149.44	140.48		40.56		
30	49.20	123.20	27.60	335.20	650.48	1101.80	1058.60	183.36	152.00	143.04		45.36		
31		136.00		320.80	642.76		1015.40		146.88	141.76		50.64		
Total	1109.24	2252.92	3460.16	5987.68	15343.08	23391.72	42478.20	16628.28	5421.92	3517.44	3018.76	892.80	123502.20	CMSDAY
Mean	36.97	72.67	115.34	193.15	494.94	779.72	1370.26	554.28	174.90	113.47	107.81	28.80	338.36	CMS
Max	71.72	136.00	230.64	402.40	651.60	1101.80	1641.90	993.20	209.92	145.60	150.08	54.00	1641.90	CMS
Min	20.40	37.68	27.60	22.32	322.40	625.48	1015.40	178.88	139.20	74.84	39.60	13.32	13.32	CMS
Runoff	95.84	194.65	298.96	517.34	1325.64	2021.04	3670.12	1436.68	468.45	303.91	260.82	77.14	10670.59	MCM
Momentary Peak	1649.20 CMS, at 151.54 m. (MSL.), at 18.00 Hours, on Oct 11, 2022													
Runoff Yield	11.68	Liters/Second/Square KM.			Momentary Peak Yield			56.95	Liters/Second/Square KM.					



ischarge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.72	0.72	131.50	1.04	24.84	90.10	164.40	18.72	23.16	12.00	11.80	10.30		
2	0.64	0.80	117.85	7.84	29.64	93.25	218.40	18.24	20.04	12.00	11.90	10.40		
3	0.72	0.64	97.00	68.00	33.12	84.15	238.80	18.12	17.60	11.80	12.00	10.30		
4	0.64	0.56	97.00	98.20	38.06	79.50	232.80	18.12	15.60	11.70	12.10	10.10		
5	0.64	0.48	101.40	79.50	45.60	88.00	210.00	17.80	14.80	11.50	12.00	9.50		
6	0.64	0.48	85.55	53.00	65.00	85.20	166.80	17.40	14.20	11.40	11.90	9.40		
7	0.64	0.48	64.00	36.37	69.60	83.10	126.30	16.80	13.40	11.50	11.60	9.40		
8	0.56	0.72	47.40	26.88	67.25	72.60	97.80	16.20	13.00	11.60	11.40	9.00		
9	0.56	0.96	35.85	34.03	75.90	68.75	77.70	15.40	12.50	11.50	11.40	8.20		
10	0.56	1.28	26.28	98.20	98.20	113.45	61.14	14.70	11.40	11.50	11.30	8.20		
11	0.56	0.96	17.40	135.40	113.45	140.40	48.60	14.10	10.10	11.60	11.50	8.40		
12	0.64	1.60	12.00	130.85	104.65	138.00	40.66	13.40	9.50	11.30	11.70	8.70		
13	0.48	3.68	8.60	134.10	87.30	131.50	36.24	12.50	12.30	11.00	11.70	9.00		
14	0.40	4.40	8.00	169.20	70.20	115.10	32.60	12.60	12.90	10.80	11.50	9.10		
15	0.40	5.44	8.70	195.00	56.08	96.60	30.78	15.90	11.10	10.80	11.40	8.70		
16	0.48	7.92	10.70	194.00	44.80	84.85	38.45	15.20	11.50	11.00	11.00	8.70		
17	0.48	19.32	13.30	166.80	55.42	93.95	47.60	15.20	11.90	11.50	11.20	8.70		
18	0.48	38.06	12.80	128.90	65.00	144.40	48.00	13.40	11.90	12.00	11.40	8.50		
19	0.40	38.84	12.60	92.55	61.14	168.40	42.48	14.70	10.60	11.90	11.50	8.10		
20	0.32	32.73	11.90	73.20	70.50	158.80	38.58	14.50	11.70	11.40	11.60	8.00		
21	0.32	27.36	11.60	82.05	208.00	128.90	34.94	14.30	12.20	11.70	11.50	8.00		
22	0.32	22.68	9.10	117.30	369.60	101.40	31.17	12.80	12.40	12.00	11.40	7.92		
23	0.32	19.56	7.52	133.45	387.60	92.55	27.96	12.60	11.80	12.20	11.10	7.76		
24	0.32	19.20	6.32	116.20	357.00	95.00	25.80	13.20	10.00	12.10	10.80	7.28		
25	0.32	23.40	6.80	92.90	294.00	95.00	23.76	12.90	8.70	12.10	10.50	7.20		
26	0.24	32.86	6.56	76.20	217.20	101.80	22.08	15.00	9.90	12.00	10.60	7.28		
27	0.24	29.16	5.28	61.14	199.00	113.45	21.24	22.68	11.10	12.00	10.50	7.28		
28	0.48	22.08	4.00	48.80	203.00	111.80	20.40	35.07	11.70	11.80	10.20	7.28		
29	0.72	18.72	2.64	40.14	182.00	114.00	19.56	35.98	11.70	11.80		7.12		
30	0.72	55.86	1.60	33.25	137.35	125.65	19.08	29.76	11.80	11.90		7.28		
31		116.20		27.60	100.60		18.84		11.90	11.90		7.36		
Total	14.96	547.15	981.25	2752.09	3931.10	3209.65	2262.96	517.29	392.40	361.30	318.50	262.46	15551.11	CMSDAY
Mean	0.50	17.65	32.71	88.78	126.81	106.99	73.00	17.24	12.66	11.65	11.38	8.47	42.61	CMS
Max	0.72	116.20	131.50	195.00	387.60	168.40	238.80	35.98	23.16	12.20	12.10	10.40	387.60	CMS
Min	0.24	0.48	1.60	1.04	24.84	68.75	18.84	12.50	8.70	10.80	10.20	7.12	0.24	CMS
Runoff	1.29	47.27	84.78	237.78	339.65	277.31	195.52	44.69	33.90	31.22	27.52	22.68	1343.62	MCM
Momentary Peak	394.80	CMS, at 134.86 m. (MSL.), at 24.00 Hours, on Aug 22, 2022												
Runoff Yield	13.33	Liters/Second/Square KM.		Momentary Peak Yield		123.49	Liters/Second/Square KM.							

WATER YEAR : 2022**CHI RIVER BASIN****Lam Nam Phrom at Ban Yang , Chaiyaphum (E.93)**

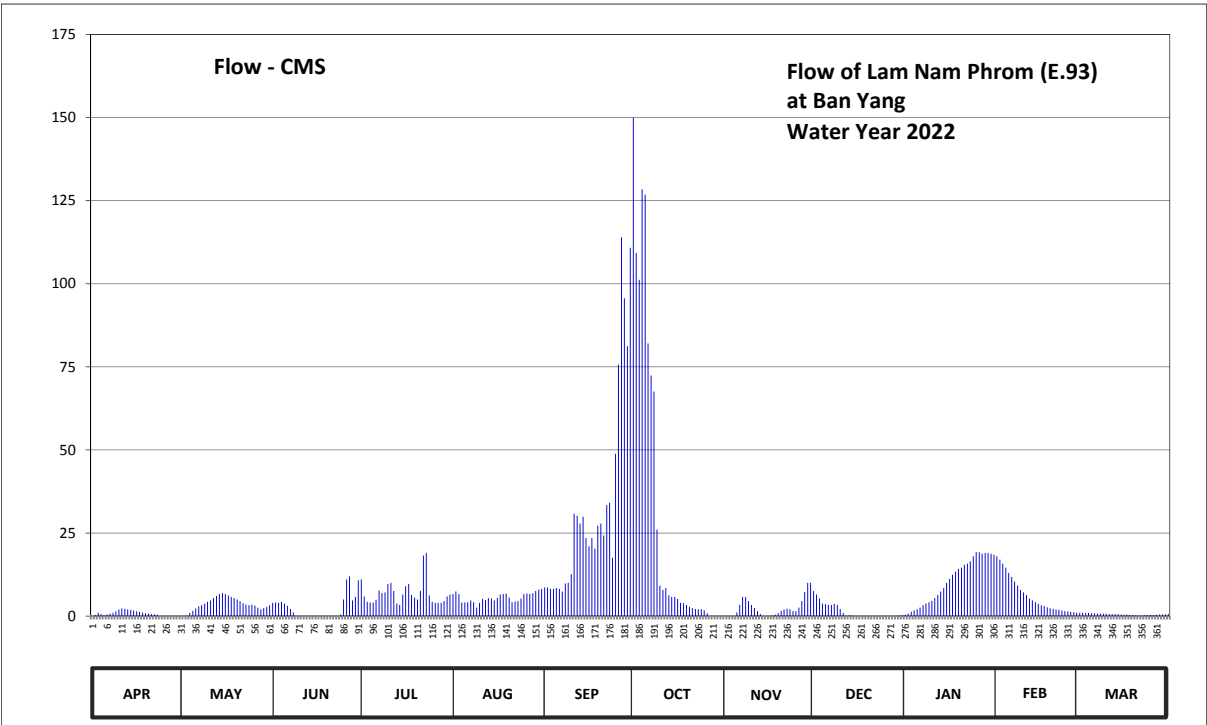
Lat 16 - 18 - 53 N Long 101 - 52 - 31 E

Location : on right bank at the bridge.

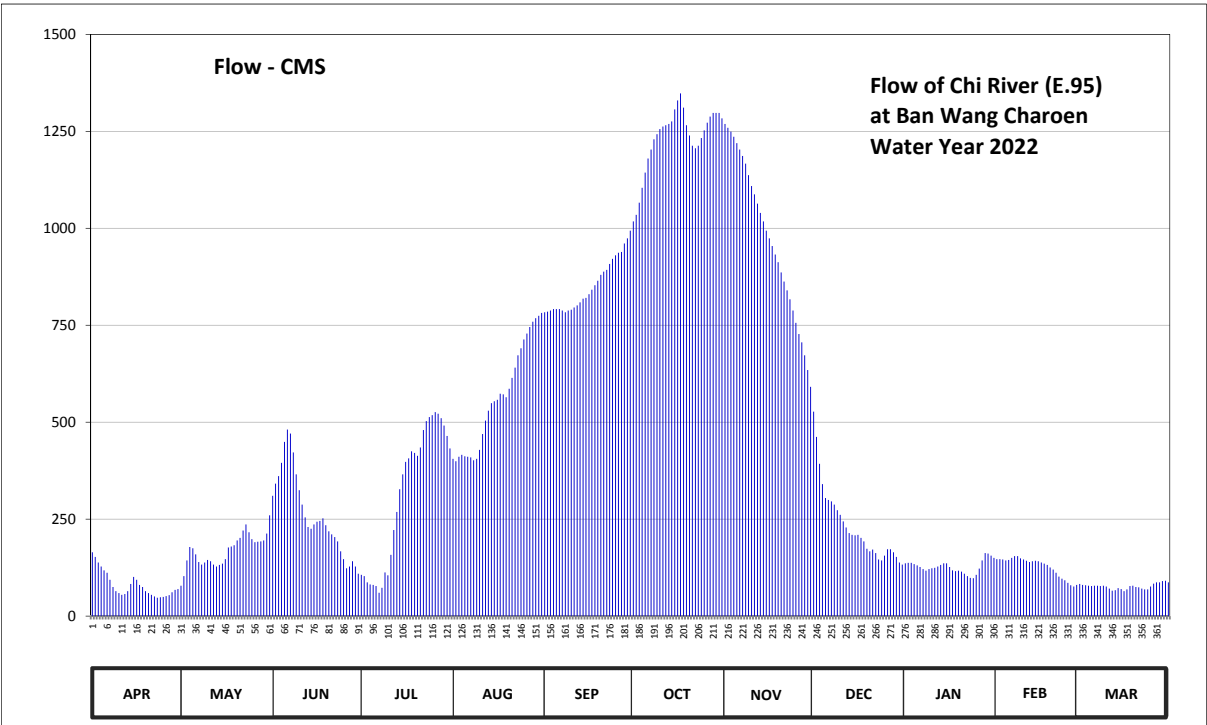
	Ban Yang	Amphoe Kaset Sombun	Changwat Chaiyaphum
Drainge Area	947 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+225.500 m. (MSL.)		
Bench Mark	B.M.- Highways Dept.		
Location BM	On right bank at the footpath of the bridge.	Elevation	+233.309 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2010 to date		
Rating Operation			
Period of Rating	2018 to date		
Rated by Float	-		
Rated by Current Meter	2018 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 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	227.74	227.63	228.30	228.75	228.51	228.63	231.10	227.78	228.57	227.86	229.08	227.94	
2	227.85	227.74	228.31	228.46	228.56	228.63	230.87	227.78	228.50	227.90	229.04	227.94	
3	227.93	227.82	228.30	228.33	228.51	228.61	230.82	227.75	228.42	227.98	228.99	227.93	
4	227.89	227.93	228.33	228.31	228.31	228.61	230.99	227.78	228.27	228.02	228.93	227.93	
5	227.84	228.01	228.28	228.30	228.31	228.62	230.98	227.95	228.25	228.07	228.85	227.92	
6	227.87	228.10	228.20	228.39	228.32	228.61	230.65	228.23	228.23	228.13	228.79	227.92	
7	227.91	228.18	228.08	228.58	228.37	228.56	230.53	228.45	228.23	228.22	228.72	227.91	
8	227.94	228.22	227.95	228.53	228.32	228.69	230.46	228.45	228.26	228.28	228.66	227.91	
9	227.99	228.27	227.80	228.54	228.13	228.70	229.40	228.35	228.23	228.32	228.59	227.90	
10	228.06	228.33	227.64	228.68	228.30	228.83	228.66	228.23	228.08	228.36	228.54	227.90	
11	228.10	228.37	227.49	228.70	228.41	229.56	228.59	228.11	227.93	228.43	228.49	227.89	
12	228.09	228.43	227.40	228.57	228.38	229.54	228.62	228.00	227.82	228.49	228.42	227.89	
13	228.06	228.47	227.38	228.27	228.43	229.46	228.48	227.89	227.84	228.56	228.37	227.88	
14	228.04	228.51	227.39	228.23	228.42	229.53	228.45	227.76	227.82	228.62	228.32	227.88	
15	228.02	228.53	227.40	228.50	228.37	229.30	228.45	227.71	227.79	228.70	228.26	227.87	
16	228.00	228.51	227.40	228.65	228.43	229.20	228.41	227.76	227.75	228.76	228.22	227.86	
17	227.97	228.48	227.41	228.68	228.50	229.30	228.30	227.82	227.70	228.82	228.19	227.86	
18	227.94	228.45	227.42	228.49	228.51	229.17	228.29	227.86	227.70	228.87	228.14	227.85	
19	227.92	228.43	227.43	228.44	228.52	229.44	228.23	227.92	227.69	228.91	228.10	227.85	
20	227.91	228.40	227.47	228.40	228.44	229.46	228.16	228.01	227.67	228.93	228.08	227.84	
21	227.89	228.35	227.50	228.57	228.32	229.33	228.11	228.06	227.67	228.97	228.06	227.83	
22	227.88	228.29	227.53	229.09	228.34	229.64	228.08	228.09	227.65	228.99	228.05	227.83	
23	227.86	228.24	227.62	229.12	228.35	229.66	228.07	228.07	227.63	229.02	228.02	227.84	
24	227.81	228.22	227.87	228.48	228.42	229.06	228.07	228.00	227.64	229.08	228.00	227.84	
25	227.76	228.24	228.40	228.33	228.51	230.07	228.03	228.00	227.65	229.13	227.99	227.85	
26	227.72	228.21	228.75	228.30	228.52	230.57	227.92	228.13	227.66	229.13	227.97	227.85	
27	227.68	228.13	228.80	228.30	228.51	230.90	227.80	228.35	227.68	229.11	227.96	227.86	
28	227.64	228.07	228.37	228.30	228.53	230.78	227.78	228.55	227.77	229.12	227.94	227.87	
29	227.60	228.11	228.45	228.35	228.57	230.64	227.80	228.70	227.81	229.12		227.87	
30	227.59	228.16	228.74	228.46	228.60	230.88	227.80	228.70	227.83	229.11		227.88	
31		228.22		228.50	228.61		227.78		227.84	229.10		227.89	
Mean	227.88	228.23	227.91	228.50	228.43	229.40	228.89	228.07	227.92	228.65	228.38	227.88	
Max	228.10	228.53	228.80	229.12	228.61	230.90	231.10	228.70	228.57	229.13	229.08	227.94	231.10
Min	227.59	227.63	227.38	228.23	228.13	228.56	227.78	227.71	227.63	227.86	227.94	227.83	227.38
Annual Max Momentary Gage Height	231.14		m. (MSL.) ,			at 03.00 Hours, on Oct 1, 2022							
Zero Gage at Bottom Elevation		225.50	m. (MSL.) ,			River Bed	225.94	m. (MSL.)					
Left Bank Elevation		232.81	m. (MSL.) ,										
Right Bank Elevation		231.40	m. (MSL.) ,			Drainage Are	947	Square Kilometers					

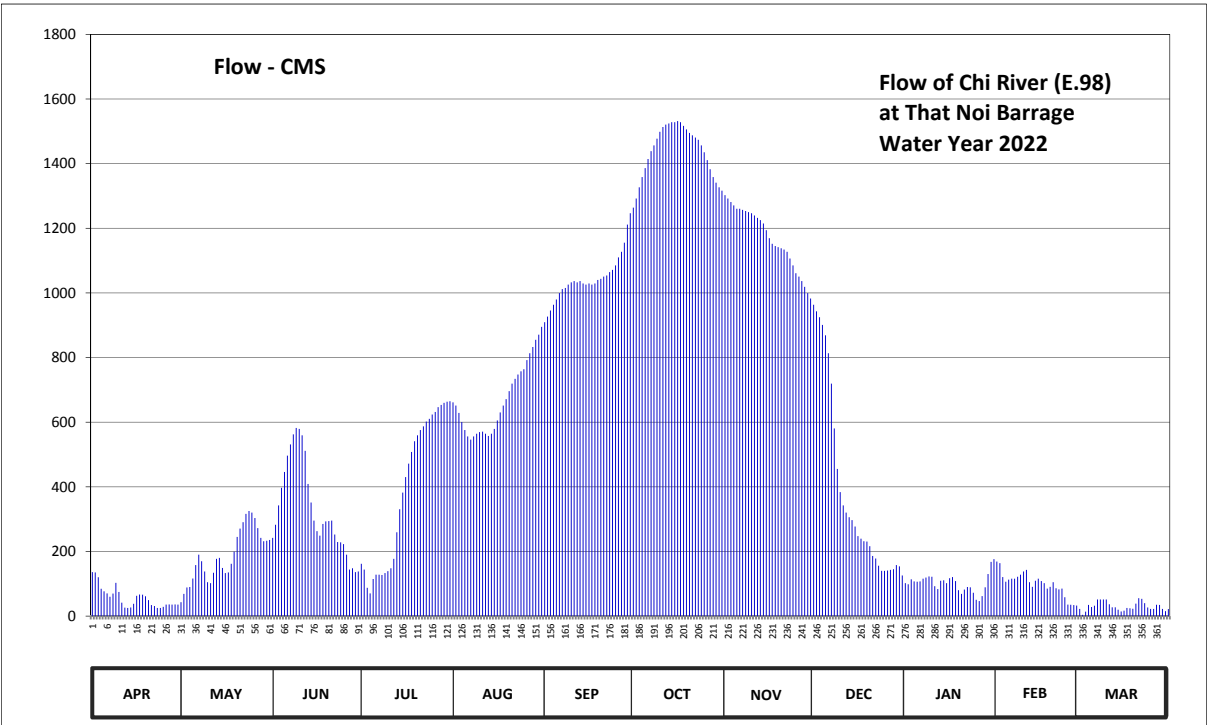


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	4.00	11.00	6.65	8.60	150.00	0.00	7.55	0.42	18.00	1.02	
2	0.35	0.00	4.10	5.90	7.40	8.60	109.20	0.00	6.50	0.70	17.00	1.02	
3	0.94	0.14	4.00	4.30	6.65	8.20	101.20	0.00	5.30	1.34	15.80	0.94	
4	0.63	0.94	4.30	4.10	4.10	8.20	128.40	0.00	3.73	1.66	14.60	0.94	
5	0.28	1.58	3.82	4.00	4.10	8.40	126.80	1.10	3.55	2.06	13.00	0.86	
6	0.49	2.30	3.10	4.90	4.20	8.20	82.00	3.37	3.37	2.54	11.80	0.86	
7	0.78	2.94	2.14	7.70	4.70	7.40	72.40	5.75	3.37	3.28	10.40	0.78	
8	1.02	3.28	1.10	6.95	4.20	9.80	67.60	5.75	3.64	3.82	9.20	0.78	
9	1.42	3.73	0.00	7.10	2.54	10.00	26.00	4.50	3.37	4.20	7.85	0.70	
10	1.98	4.30	0.00	9.60	4.00	12.60	9.20	3.37	2.14	4.60	7.10	0.70	
11	2.30	4.70	0.00	10.00	5.15	30.80	7.85	2.38	0.94	5.45	6.35	0.63	
12	2.22	5.45	0.00	7.55	4.80	30.20	8.40	1.50	0.14	6.35	5.30	0.63	
13	1.98	6.05	0.00	3.73	5.45	27.80	6.20	0.63	0.28	7.40	4.70	0.56	
14	1.82	6.65	0.00	3.37	5.30	29.90	5.75	0.00	0.14	8.40	4.20	0.56	
15	1.66	6.95	0.00	6.50	4.70	23.50	5.75	0.00	0.00	10.00	3.64	0.49	
16	1.50	6.65	0.00	9.00	5.45	21.00	5.15	0.00	0.00	11.20	3.28	0.42	
17	1.26	6.20	0.00	9.60	6.50	23.50	4.00	0.14	0.00	12.40	3.02	0.42	
18	1.02	5.75	0.00	6.35	6.65	20.25	3.91	0.42	0.00	13.40	2.62	0.35	
19	0.86	5.45	0.00	5.60	6.80	27.20	3.37	0.86	0.00	14.20	2.30	0.35	
20	0.78	5.00	0.00	5.00	5.60	27.80	2.78	1.58	0.00	14.60	2.14	0.28	
21	0.63	4.50	0.00	7.55	4.20	24.25	2.38	1.98	0.00	15.40	1.98	0.21	
22	0.56	3.91	0.00	18.25	4.40	33.40	2.14	2.22	0.00	15.80	1.90	0.21	
23	0.42	3.46	0.00	19.00	4.50	34.10	2.06	2.06	0.00	16.50	1.66	0.28	
24	0.07	3.28	0.49	6.20	5.30	17.50	2.06	1.50	0.00	18.00	1.50	0.28	
25	0.00	3.46	5.00	4.30	6.65	48.80	1.74	1.50	0.00	19.25	1.42	0.35	
26	0.00	3.19	11.00	4.00	6.80	75.60	0.86	2.54	0.00	19.25	1.26	0.35	
27	0.00	2.54	12.00	4.00	6.65	114.00	0.00	4.50	0.00	18.75	1.18	0.42	
28	0.00	2.06	4.70	4.00	6.95	95.60	0.00	7.25	0.00	19.00	1.02	0.49	
29	0.00	2.38	5.75	4.50	7.55	81.20	0.00	10.00	0.07	19.00		0.49	
30	0.00	2.78	10.80	5.90	8.00	110.80	0.00	10.00	0.21	18.75		0.56	
31		3.28		6.50	8.20		0.00		0.28	18.50		0.63	
Total	24.97	112.90	76.30	216.45	174.14	987.20	937.20	74.90	44.58	326.22	174.22	17.56	3166.64 CMSDAY
Mean	0.83	3.64	2.54	6.98	5.62	32.91	30.23	2.50	1.44	10.52	6.22	0.57	8.68 CMS
Max	2.30	6.95	12.00	19.00	8.20	114.00	150.00	10.00	7.55	19.25	18.00	1.02	150.00 CMS
Min	0.00	0.00	0.00	3.37	2.54	7.40	0.00	0.00	0.00	0.42	1.02	0.21	0.00 CMS
Runoff	2.16	9.75	6.59	18.70	15.05	85.29	80.97	6.47	3.85	28.19	15.05	1.52	273.60 MCM
Momentary Peak	158.00	CMS, at 231.14 m. (MSL.), at 03.00 Hours, on Oct 1, 2022											
Runoff Yield	9.16	Liters/Second/Square KM.		Momentary Peak Yield		166.84	Liters/Second/Square KM.						

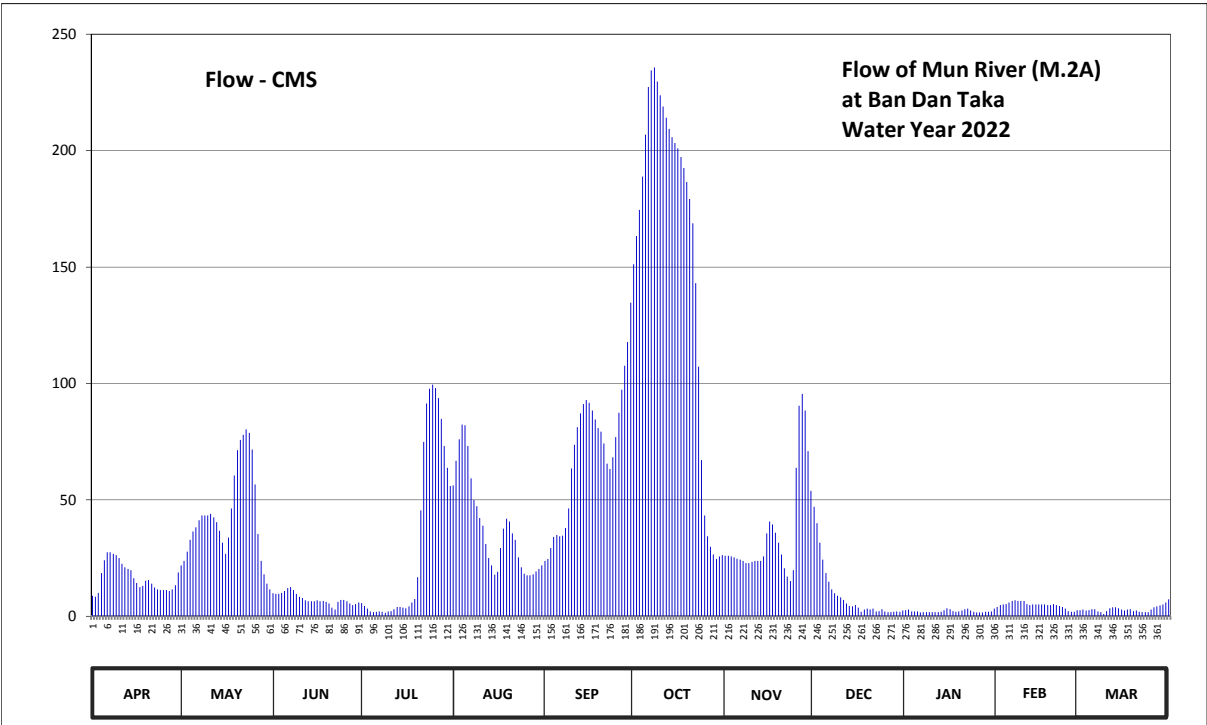


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	164.80	78.45	310.40	106.27	405.60	783.44	1018.00	1269.10	527.20	136.23	146.93	82.73		
2	152.48	103.06	341.60	103.06	399.20	784.96	1034.80	1259.20	461.92	137.30	146.93	80.59		
3	138.37	143.72	360.80	87.01	410.72	788.00	1066.00	1249.30	392.80	137.30	145.86	79.52		
4	127.67	178.24	395.36	81.66	415.84	791.84	1104.40	1236.10	340.40	134.09	143.72	78.45		
5	118.04	174.88	449.12	80.59	412.00	791.84	1143.70	1219.60	304.40	130.88	144.79	77.38		
6	111.62	159.20	481.12	77.38	410.72	791.84	1180.00	1203.10	299.60	126.60	150.24	78.45		
7	93.43	139.44	470.88	60.26	409.44	788.00	1203.10	1186.60	296.00	121.25	154.72	78.45		
8	75.24	133.02	422.24	73.10	401.76	783.44	1229.50	1166.80	287.60	116.97	154.72	77.38		
9	64.54	138.37	365.60	112.69	405.60	788.00	1242.70	1137.10	273.20	121.25	149.12	78.45		
10	59.19	144.79	324.80	105.20	428.64	789.92	1255.90	1109.20	261.20	123.39	145.86	76.31		
11	54.91	141.58	287.60	158.08	469.60	795.68	1262.50	1087.60	244.32	124.46	142.65	70.96		
12	57.05	133.02	254.40	221.92	504.16	801.44	1265.80	1063.60	228.64	127.67	139.44	65.61		
13	64.54	127.67	229.76	268.40	529.76	809.12	1269.10	1039.60	214.08	131.95	141.58	66.68		
14	82.73	131.95	225.28	327.20	548.96	818.72	1275.70	1018.00	209.60	136.23	142.65	72.03		
15	100.92	135.16	236.48	365.60	554.08	820.64	1306.60	994.00	208.48	136.23	141.58	69.89		
16	93.43	146.93	243.20	397.92	557.92	830.24	1329.60	974.20	209.60	126.60	138.37	64.54		
17	80.59	177.12	245.44	406.88	573.28	841.76	1348.00	954.40	201.76	118.04	135.16	68.82		
18	75.24	179.36	252.16	424.80	572.00	853.28	1311.20	932.40	192.80	115.90	131.95	77.38		
19	64.54	182.72	234.24	420.96	564.32	864.80	1265.80	912.60	173.76	116.97	125.53	78.45		
20	59.19	195.04	218.56	413.28	586.08	880.16	1239.40	886.20	167.04	114.83	120.18	75.24		
21	54.91	201.76	210.72	435.04	614.24	888.40	1213.00	862.88	171.52	109.48	111.62	74.17		
22	50.63	220.80	204.00	479.84	640.56	892.80	1206.40	839.84	162.56	103.06	101.99	70.96		
23	47.42	236.48	192.80	502.88	672.48	908.20	1213.00	816.80	145.86	98.78	96.64	68.82		
24	48.49	216.32	167.04	513.12	690.72	921.40	1232.80	788.00	143.72	97.71	92.36	68.82		
25	49.56	198.40	146.93	518.24	713.52	930.20	1252.60	756.08	155.84	106.27	85.94	76.31		
26	51.70	190.56	123.39	525.92	728.72	936.80	1272.40	727.20	172.64	122.32	79.52	83.80		
27	53.84	191.68	127.67	522.08	745.44	939.00	1288.20	705.92	172.64	143.72	76.31	87.01		
28	61.33	192.80	141.58	510.56	759.12	961.00	1297.40	672.48	164.80	162.56	80.59	87.01		
29	67.75	195.04	127.67	491.36	768.24	974.20	1297.40	634.72	152.48	161.44		90.22		
30	69.89	212.96	109.48	464.48	774.32	994.00	1297.40	591.20	138.37	155.84		91.29		
31		260.00		432.48	781.92		1283.60		133.02	150.24		87.01		
Total	2394.04	5260.52	7900.32	9688.26	17448.96	25543.12	38206.00	29293.82	7207.85	3945.56	3566.95	2382.73	152838.13	CMSDAY
Mean	79.80	169.69	263.34	312.52	562.87	851.44	1232.45	976.46	232.51	127.28	127.39	76.86	418.73	CMS
Max	164.80	260.00	481.12	525.92	781.92	994.00	1348.00	1269.10	527.20	162.56	154.72	91.29	1348.00	CMS
Min	47.42	78.45	109.48	60.26	399.20	783.44	1018.00	591.20	133.02	97.71	76.31	64.54	47.42	CMS
Runoff	206.85	454.51	682.59	837.07	1507.59	2206.93	3301.00	2530.99	622.76	340.90	308.18	205.87	13205.21	MCM
Momentary Peak	1352.60 CMS, at 134.16 m. (MSL.), at 16.00 Hours, on Oct 17, 2022													
Runoff Yield	10.22	Liters/Second/Square KM.			Momentary Peak Yield			33.02	Liters/Second/Square KM.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	165.80	63.20	294.24	136.64	634.65	1005.00	1042.40	1113.34	867.32	129.60	174.62	38.00	
2	150.72	75.92	375.48	112.00	602.75	1002.80	1051.20	1113.34	828.16	129.60	154.24	40.10	
3	119.92	98.80	432.24	118.16	569.40	998.40	1067.62	1113.34	777.12	131.36	132.24	46.40	
4	112.00	123.44	480.12	135.76	549.10	994.00	1080.32	1113.34	701.44	134.88	129.60	52.00	
5	120.80	166.78	521.66	124.32	537.50	987.40	1093.02	1110.80	612.90	136.64	136.64	59.20	
6	137.52	201.08	549.10	140.16	531.70	983.00	1108.26	1108.26	504.24	134.00	136.64	65.60	
7	134.88	172.66	594.05	137.52	528.80	978.60	1123.50	1103.18	412.44	137.52	136.64	70.64	
8	112.00	143.68	608.55	123.44	530.25	976.40	1133.66	1100.64	399.24	151.60	146.32	72.40	
9	81.20	124.32	595.50	123.44	527.35	976.40	1138.74	1095.56	376.80	153.36	158.94	68.00	
10	50.60	117.28	552.00	141.92	531.70	972.00	1143.82	1090.48	345.12	150.72	148.08	61.60	
11	43.60	148.08	490.84	173.64	537.50	967.60	1141.28	1082.86	314.08	148.08	135.76	50.60	
12	39.40	185.40	420.36	260.86	552.00	965.40	1141.28	1075.24	310.36	141.04	128.72	47.80	
13	38.00	175.60	331.92	338.52	570.85	965.40	1138.74	1065.08	297.96	130.48	127.84	44.30	
14	46.40	155.12	262.00	408.48	594.05	967.60	1133.66	1057.80	255.16	132.24	135.76	38.70	
15	60.00	135.76	259.72	448.08	617.25	969.80	1136.20	1049.00	228.94	140.16	126.96	39.40	
16	65.60	140.16	278.12	496.20	646.25	972.00	1133.66	1040.20	226.66	136.64	118.16	40.10	
17	71.52	175.60	297.96	536.05	673.28	976.40	1133.66	1031.40	234.64	116.40	115.52	39.40	
18	67.20	216.40	296.72	565.05	697.92	980.80	1133.66	1024.80	222.10	108.48	121.68	43.60	
19	57.60	243.76	295.48	585.35	713.76	978.60	1138.74	1013.80	208.42	101.44	123.44	61.60	
20	49.90	256.30	288.04	599.85	727.84	980.80	1138.74	1005.00	190.30	97.92	114.64	71.52	
21	35.90	295.48	259.72	605.65	745.44	985.20	1138.74	994.00	168.74	93.52	108.48	70.64	
22	35.20	304.16	238.06	617.25	768.32	991.80	1136.20	985.20	163.84	90.88	99.68	61.60	
23	40.10	301.68	232.36	631.75	801.76	998.40	1131.12	974.20	166.78	87.36	87.36	45.00	
24	41.50	316.56	228.94	647.70	838.72	1005.00	1123.50	963.20	157.96	83.84	67.20	43.60	
25	44.30	295.48	196.18	662.20	886.40	1007.20	1118.42	952.20	159.92	82.96	54.40	47.80	
26	44.30	260.86	174.62	673.28	928.80	1013.80	1115.88	945.76	161.88	89.12	52.80	54.40	
27	45.00	247.18	163.84	682.08	958.80	1016.00	1113.34	937.28	163.84	102.32	49.90	52.00	
28	43.60	243.76	157.96	687.36	98								



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	136.00	43.00	242.30	162.00	661.65	909.40	1264.00	1302.50	963.50	102.10	169.00	22.40		
2	135.00	68.90	282.60	144.00	651.75	927.00	1292.00	1292.00	943.10	98.50	164.00	3.90		
3	120.10	88.40	342.40	87.60	628.65	945.40	1327.00	1281.50	924.80	113.80	121.00	13.60		
4	84.40	90.00	397.00	70.30	600.60	963.50	1358.50	1271.00	901.00	107.50	106.60	34.50		
5	76.60	116.50	446.00	114.70	575.85	979.80	1386.50	1260.50	869.00	106.60	112.90	28.00		
6	70.30	158.00	496.65	128.20	556.05	999.40	1414.50	1260.50	813.45	107.50	115.60	32.00		
7	59.80	190.00	531.30	128.20	546.15	1012.00	1439.00	1257.00	719.40	115.60	115.60	51.40		
8	69.60	170.00	562.65	127.30	556.05	1015.50	1456.50	1253.50	580.80	119.20	121.90	51.40		
9	103.00	138.00	582.45	133.00	564.30	1026.00	1477.50	1250.00	455.60	122.80	128.20	51.40		
10	74.50	104.80	579.15	139.00	569.25	1033.00	1498.70	1246.50	383.60	121.90	138.00	51.40		
11	41.60	102.10	559.35	148.00	570.90	1036.50	1513.50	1239.50	342.40	92.40	143.00	36.70		
12	26.00	134.00	511.50	177.00	564.30	1033.00	1520.90	1232.50	320.30	83.60	104.80	27.00		
13	25.20	177.00	409.00	259.20	557.70	1036.50	1524.60	1225.50	306.00	109.30	90.80	27.00		
14	26.50	180.00	351.50	330.70	564.30	1029.50	1528.30	1215.00	296.90	111.10	109.30	20.00		
15	38.10	149.00	295.60	382.20	579.15	1026.00	1528.30	1194.00	277.40	102.10	115.60	14.40		
16	62.60	133.00	263.10	430.00	605.55	1029.50	1532.00	1169.50	247.50	117.40	108.40	16.80		
17	66.80	135.00	248.80	471.90	630.30	1026.00	1528.30	1152.00	239.70	121.00	102.10	25.20		
18	66.10	162.00	285.20	508.20	651.75	1029.50	1517.20	1145.00	231.90	108.40	85.20	24.40		
19	61.20	199.60	293.00	541.20	671.55	1040.00	1506.10	1141.50	230.60	80.40	90.80	22.80		
20	49.30	244.90	294.30	559.35	696.30	1043.50	1495.00	1138.00	216.30	68.90	104.80	38.80		
21	34.00	270.90	295.60	575.85	719.40	1050.50	1488.00	1134.50	186.00	82.00	86.00	55.60		
22	31.00	290.40	252.70	587.40	734.25	1054.00	1481.00	1127.50	178.00	90.00	82.80	53.50		
23	25.20	316.40	229.30	602.25	747.45	1064.50	1474.00	1106.50	156.00	89.20	85.20	40.20		
24	25.20	325.50	228.00	610.50	757.35	1071.50	1456.50	1085.50	140.00	72.40	58.40	26.50		
25	28.50	320.30	222.80	623.70	763.95	1085.50	1435.50	1061.00	140.00	50.70	35.50	22.00		
26	35.50	303.40	190.00	631.95	792.00	1110.00	1411.00	1050.50	141.00	46.50	35.00	22.00		
27	36.00	272.20	144.00	646.80	813.45	1127.50	1383.00	1036.50	143.00	61.90	34.00	35.00		
28	35.50	242.30	148.00	653.40	833.00	1155.50	1358.50	1019.00	145.00	89.20	32.50	34.50		
29	36.00	231.90	136.00	660.00	855.00	1211.50	1341.00	999.40	158.00	130.00		22.00		
30	35.50	233.20	138.00	663.30	871.00	1246.50	1327.00	982.60	154.00	168.00		15.20		
31		235.80		664.95	895.00		1316.50		125.50	176.00		21.60		
Total	1715.10	5826.50	9958.25	11962.15	20783.95	31318.00	44580.40	35130.50	11929.75	3166.00	2797.00	941.20	180108.80	CMSDAY
Mean	57.17	187.95	331.94	385.88	670.45	1043.93	1438.08	1171.02	384.83	102.13	99.89	30.36	493.45	CMS
Max	136.00	325.50	582.45	664.95	895.00	1246.50	1532.00	1302.50	963.50	176.00	169.00	55.60	1532.00	CMS
Min	25.20	43.00	136.00	70.30	546.15	909.40	1264.00	982.60	125.50	46.50	32.50	3.90	3.90	CMS
Runoff	148.18	503.41	860.39	1033.53	1795.73	2705.88	3851.75	3035.28	1030.73	273.54	241.66	81.32	15561.40	MCM
Momentary Peak	1532.00	CMS, at 118.30 m. (MSL.), at 24.00 Hours, on Oct 15, 2022												
Runoff Yield	10.14	Liters/Second/Square KM.			Momentary Peak Yield		31.49	Liters/Second/Square KM.						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	8.80	21.75	9.80	5.60	56.20	23.75	151.10	25.90	46.90	2.60	4.00	2.60		
2	8.40	23.75	9.60	4.40	66.70	24.50	163.20	25.90	40.00	2.80	4.80	2.80		
3	10.00	27.70	9.60	3.20	76.00	29.20	174.40	25.60	31.60	1.95	5.00	2.40		
4	18.50	32.80	10.00	2.00	82.30	34.00	188.80	25.30	24.25	1.95	5.20	2.60		
5	24.00	36.40	10.75	1.75	82.00	34.90	206.80	24.75	18.50	1.95	5.80	3.00		
6	27.40	38.20	12.00	1.90	73.00	34.30	227.20	24.25	14.75	1.65	6.60	3.00		
7	27.40	41.20	12.50	2.00	59.20	34.60	234.40	23.75	11.50	1.70	6.80	2.00		
8	26.80	43.30	11.25	1.90	49.90	37.90	235.60	22.75	9.80	1.75	6.60	1.75		
9	26.20	43.30	9.60	1.50	47.20	46.30	229.60	22.75	8.80	1.70	6.60	0.88		
10	25.00	43.30	8.40	2.00	42.10	63.40	223.60	23.25	8.00	1.70	6.60	2.20		
11	22.50	43.90	7.80	2.20	38.80	73.60	218.80	23.75	7.00	1.70	5.20	3.40		
12	21.00	42.40	6.80	3.00	31.00	81.10	214.00	23.75	5.40	1.75	4.80	3.80		
13	20.25	40.30	6.40	4.00	25.00	87.10	209.20	23.75	4.40	1.85	5.00	3.80		
14	19.75	36.70	6.40	4.00	21.75	91.00	205.60	25.60	4.20	2.60	5.00	3.40		
15	16.25	31.60	6.40	3.60	17.75	92.80	203.20	35.50	4.80	3.40	5.00	2.80		
16	14.25	26.80	6.80	3.40	19.00	91.60	200.80	40.60	3.60	3.00	5.00	2.40		
17	12.50	33.70	6.40	4.20	29.20	88.30	197.20	39.40	1.90	2.20	5.00	2.80		
18	13.00	46.30	6.60	5.80	37.60	84.40	192.40	35.80	2.80	1.90	4.80	3.00		
19	15.25	60.40	6.20	7.40	41.80	80.80	186.40	31.60	3.20	1.95	4.80	2.20		
20	15.50	71.20	5.40	16.75	40.60	79.30	179.20	26.50	2.80	2.40	5.20	2.40		
21	14.00	75.70	3.60	45.40	35.50	74.20	168.70	20.50	3.20	3.00	4.80	1.90		
22	12.25	77.80	2.80	74.80	32.80	65.50	143.00	17.00	1.95	3.20	4.40	1.75		
23	11.50	80.20	6.20	91.30	25.30	63.10	107.20	15.00	2.20	2.40	4.00	1.75		
24	11.25	78.70	7.00	97.60	21.00	68.20	67.00	19.75	3.00	1.85	3.20	1.80		
25	11.25	71.50	7.00	99.40	18.25	76.90	43.30	63.70	1.95	1.65	2.20	2.80		
26	11.25	56.50	6.40	97.90	17.50	87.40	34.30	90.40	1.75	1.55	1.90	3.80		
27	10.75	35.20	5.40	93.70	17.50	97.30	29.80	95.50	1.75	1.60	1.90	4.20		
28	11.50	23.75	4.80	84.70	18.00	107.50	26.50	88.30	1.90	1.90	2.60	4.60		
29	13.25	18.00	5.20	73.00	19.25	117.70	24.50	70.90	1.95	1.90		5.00		
30	18.75	14.00	5.80	63.70	20.25	134.60	25.60	53.80	1.90	1.95		5.80		
31		11.50		55.90	21.75		26.20		2.40	3.20		7.20		
Total	498.50	1327.85	222.90	958.00	1184.20	2105.25	4737.60	1085.30	278.15	66.70	132.80	93.83	12691.08	CMSDAY
Mean	16.62	42.83	7.43	30.90	38.20	70.17	152.83	36.18	8.97	2.15	4.74	3.03	34.77	CMS
Max	27.40	80.20	12.50	99.40	82.30	134.60	235.60	95.50	46.90	3.40	6.80	7.20	235.60	CMS
Min	8.40	11.50	2.80	1.50	17.50	23.75	24.50	15.00	1.75	1.55	1.90	0.88	0.88	CMS
Runoff	43.07	114.73	19.26	82.77	102.31	181.89	409.33	93.77	24.03	5.76	11.47	8.11	1096.51	MCM
Momentary Peak	238.00 CMS. at 167.75 m. (MSL.) at 16.00 Hours , on Oct 7, 2022													
Runoff Yield	7.36	Liters/Second/Square KM.			Momentary Peak Yield			50.38	Liters/Second/Square KM.					

WATER YEAR : 2022**MUN RIVER BASIN****Mun River at Ban Phong Sawai, Surin (M.4)**

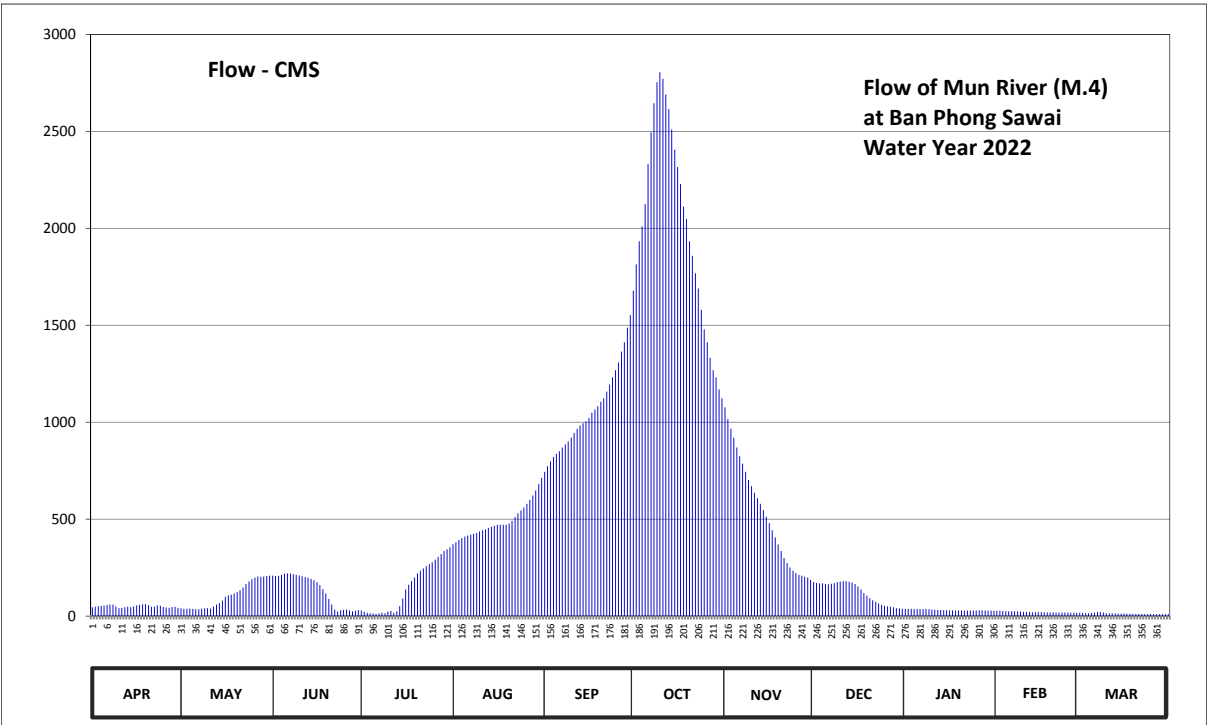
Lat 15 - 19 - 46 N Long 103 - 40 - 57 E

Location : on left bank at the bridge on highway.

	Ban	Phong Sawai	Amphoe	Tha Tum	Changwat	Surin
Drainge Area	34,623	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+117.000 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	Near the gage site.				Elevation	+128.995 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1996-1997, 2005 to date					
Rating Operation						
Period of Rating	1996-1997, 2005 to date					
Rated by Float	-					
Rated by Current Meter	1996-1997, 2005 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 78 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	118.40	118.31	120.76	118.02	122.19	124.14	125.63	124.83	120.35	118.23	117.98	117.70	
2	118.47	118.24	120.74	117.85	122.26	124.22	125.75	124.72	120.28	118.23	117.97	117.69	
3	118.52	118.25	120.75	117.72	122.34	124.28	125.85	124.63	120.26	118.22	117.95	117.66	
4	118.55	118.26	120.80	117.62	122.42	124.33	125.91	124.54	120.26	118.21	117.94	117.64	
5	118.59	118.23	120.87	117.57	122.47	124.37	126.00	124.44	120.22	118.21	117.92	117.67	
6	118.66	118.18	120.89	117.51	122.51	124.40	126.14	124.34	120.20	118.21	117.91	117.74	
7	118.71	118.19	120.88	117.60	122.54	124.44	126.25	124.25	120.23	118.20	117.91	117.81	
8	118.69	118.26	120.85	117.71	122.57	124.47	126.35	124.14	120.27	118.20	117.90	117.82	
9	118.50	118.30	120.81	117.64	122.60	124.50	126.42	124.02	120.34	118.18	117.88	117.73	
10	118.33	118.32	120.77	117.88	122.66	124.54	126.45	123.91	120.38	118.15	117.86	117.64	
11	118.34	118.29	120.72	117.95	122.70	124.59	126.43	123.78	120.40	118.13	117.84	117.61	
12	118.43	118.47	120.67	117.72	122.74	124.63	126.38	123.64	120.40	118.10	117.82	117.62	
13	118.47	118.69	120.62	117.92	122.79	124.66	126.33	123.49	120.37	118.08	117.80	117.61	
14	118.42	118.83	120.55	118.53	122.83	124.68	126.26	123.32	120.32	118.07	117.79	117.58	
15	118.49	119.10	120.46	119.28	122.86	124.70	126.19	123.13	120.21	118.06	117.82	117.57	
16	118.60	119.40	120.34	119.86	122.89	124.73	126.13	122.94	120.07	118.05	117.81	117.56	
17	118.65	119.48	120.15	120.17	122.89	124.78	126.07	122.70	119.87	118.04	117.79	117.55	
18	118.71	119.53	119.88	120.41	122.89	124.81	125.99	122.44	119.63	118.03	117.76	117.54	
19	118.72	119.60	119.60	120.64	122.89	124.84	125.94	122.18	119.47	118.02	117.76	117.53	
20	118.63	119.70	119.26	120.89	122.93	124.88	125.85	121.92	119.30	118.02	117.77	117.52	
21	118.47	119.82	118.71	121.04	123.01	124.91	125.79	121.65	119.14	118.01	117.75	117.51	
22	118.47	120.00	118.14	121.16	123.12	124.97	125.71	121.43	118.97	118.01	117.74	117.50	
23	118.61	120.22	117.90	121.27	123.23	125.03	125.64	121.21	118.81	118.02	117.73	117.49	
24	118.57	120.39	118.04	121.38	123.31	125.09	125.53	121.04	118.65	118.02	117.75	117.48	
25	118.44	120.53	118.10	121.46	123.39	125.15	125.42	120.91	118.57	118.03	117.75	117.48	
26	118.38	120.64	118.14	121.58	123.49	125.21	125.34	120.81	118.51	118.04	117.72	117.47	
27	118.35	120.71	118.05	121.69	123.60	125.28	125.24	120.76	118.47	118.04	117.71	117.47	
28	118.44	120.69	117.92	121.80	123.71	125.34	125.15	120.69	118.41	118.02	117.70	117.47	
29	118.45	120.70	117.97	121.92	123.83	125.43	125.09	120.63	118.32	118.00		117.47	
30	118.36	120.74	118.09	121.99	123.95	125.50	124.99	120.49	118.28	118.00		117.47	
31		120.76		122.07	124.05		124.91		118.24	117.98		117.46	
Mean	118.51	119.32	119.71	119.61	122.96	124.76	125.84	122.77	119.59	118.09	117.82	117.58	
Max	118.72	120.76	120.89	122.07	124.05	125.50	126.45	124.83	120.40	118.23	117.98	117.82	126.45
Min	118.33	118.18	117.90	117.51	122.19	124.14	124.91	120.49	118.24	117.98	117.70	117.46	117.46
Annual Max Momentary Gage Height	126.46		m. (MSL.) ,			at 10.00 Hours , on Oct 10, 2022							
Zero Gage at Bottom Elevation	117.00		m. (MSL.) ,			River Bed	116.02	m. (MSL.)					
Left Bank Elevation	128.77		m. (MSL.) ,										
Right Bank Elevation	129.27		m. (MSL.) ,			Drainage Are	34,623	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	45.00	40.50	208.80	28.80	370.70	744.00	1678.60	1077.10	176.00	37.20	27.20	17.00		
2	48.50	37.60	207.20	22.00	380.40	773.40	1813.50	1016.00	170.40	37.20	26.80	16.70		
3	51.00	38.00	208.00	17.60	391.60	798.60	1933.50	966.50	168.80	36.80	26.00	15.80		
4	52.50	38.40	212.00	14.60	402.80	819.90	2009.80	920.00	168.80	36.40	25.60	15.20		
5	54.50	37.20	218.30	13.10	409.80	837.10	2125.00	870.00	165.60	36.40	24.80	16.10		
6	58.00	35.20	220.10	11.30	415.40	850.00	2331.20	824.20	164.00	36.40	24.40	18.20		
7	60.50	35.60	219.20	14.00	419.60	870.00	2495.00	786.00	166.40	36.00	24.40	20.40		
8	59.50	38.40	216.50	17.30	423.80	885.00	2645.00	744.00	169.60	36.00	24.00	20.80		
9	50.00	40.00	212.90	15.20	428.00	900.00	2754.00	702.00	175.20	35.20	23.20	17.90		
10	41.50	41.00	209.60	23.20	436.40	920.00	2805.00	669.80	178.40	34.00	22.40	15.20		
11	42.00	39.60	205.60	26.00	442.00	945.00	2771.00	636.00	180.00	33.20	21.60	14.30		
12	46.50	48.50	201.60	17.60	447.60	966.50	2690.00	608.00	180.00	32.00	20.80	14.60		
13	48.50	59.50	197.60	24.80	454.60	983.00	2615.00	579.10	177.60	31.20	20.00	14.30		
14	46.00	66.50	192.00	51.50	461.10	994.00	2510.00	546.80	173.60	30.80	19.70	13.40		
15	49.50	80.00	184.80	90.60	466.20	1005.00	2405.20	512.40	164.80	30.40	20.80	13.10		
16	55.00	100.00	175.20	136.80	471.30	1021.50	2316.40	479.80	153.60	30.00	20.40	12.80		
17	57.50	106.40	160.00	161.60	471.30	1049.00	2227.90	442.00	137.60	29.60	19.70	12.50		
18	60.50	110.40	138.40	180.80	471.30	1065.70	2112.20	405.60	118.40	29.20	18.80	12.20		
19	61.00	116.00	116.00	199.20	471.30	1082.80	2048.20	369.40	105.60	28.80	18.80	11.90		
20	56.50	124.00	89.20	220.10	478.10	1105.60	1933.50	335.60	92.00	28.80	19.10	11.60		
21	48.50	133.60	60.50	234.00	491.70	1122.80	1858.70	300.50	82.00	28.40	18.50	11.30		
22	48.50	148.00	33.60	246.00	510.60	1157.60	1768.30	273.60	73.50	28.40	18.20	11.00		
23	55.50	165.60	24.00	257.00	530.40	1193.60	1689.80	251.00	65.50	28.80	17.90	10.70		
24	53.50	179.20	29.60	268.00	544.90	1230.80	1579.90	234.00	57.50	28.80	18.50	10.40		
25	47.00	190.40	32.00	277.20	560.10	1268.50	1478.40	221.90	53.50	29.20	18.50	10.40		
26	44.00	199.20	33.60	291.60	579.10	1308.00	1412.00	212.90	50.50	29.60	17.60	10.10		
27	42.50	204.80	30.00	305.70	600.00	1364.00	1332.00	208.80	48.50	29.60	17.30	10.10		
28	47.00	203.20	24.80	320.00	622.00	1412.00	1268.50	203.20	45.50	28.80	17.00	10.10		
29	47.50	204.00	26.80	335.60	648.10	1487.60	1230.80	198.40	41.00	28.00		10.10		
30	43.00	207.20	31.60	344.70	681.00	1552.00	1169.20	187.20	39.20	28.00		10.10		
31		208.80		355.10	712.50		1122.80		37.60	27.20		9.80		
Total	1521.00	3276.80	4119.50	4521.00	15193.70	31713.00	62130.40	15781.80	3780.70	980.40	592.00	418.10	144028.40	CMSDAY
Mean	50.70	105.70	137.32	145.84	490.12	1057.10	2004.21	526.06	121.96	31.63	21.14	13.49	394.60	CMS
Max	61.00	208.80	220.10	355.10	712.50	1552.00	2805.00	1077.10	180.00	37.20	27.20	20.80	2805.00	CMS
Min	41.50	35.20	24.00	11.30	370.70	744.00	1122.80	187.20	37.60	27.20	17.00	9.80	9.80	CMS
Runoff	131.41	283.12	355.92	390.61	1312.74	2740.00	5368.07	1363.55	326.65	84.71	51.15	36.12	12444.05	MCM
Momentary Peak	2822.00 CMS. at 126.46 m. (MSL.) at 10.00 Hours , on Oct 10, 2022													
Runoff Yield	11.39	Liters/Second/Square KM.			Momentary Peak Yield			81.43	Liters/Second/Square KM.					

WATER YEAR : 2022**MUN RIVER BASIN****Mun River at Ban Mueang Kong, Si Sa Ket (M.5)**

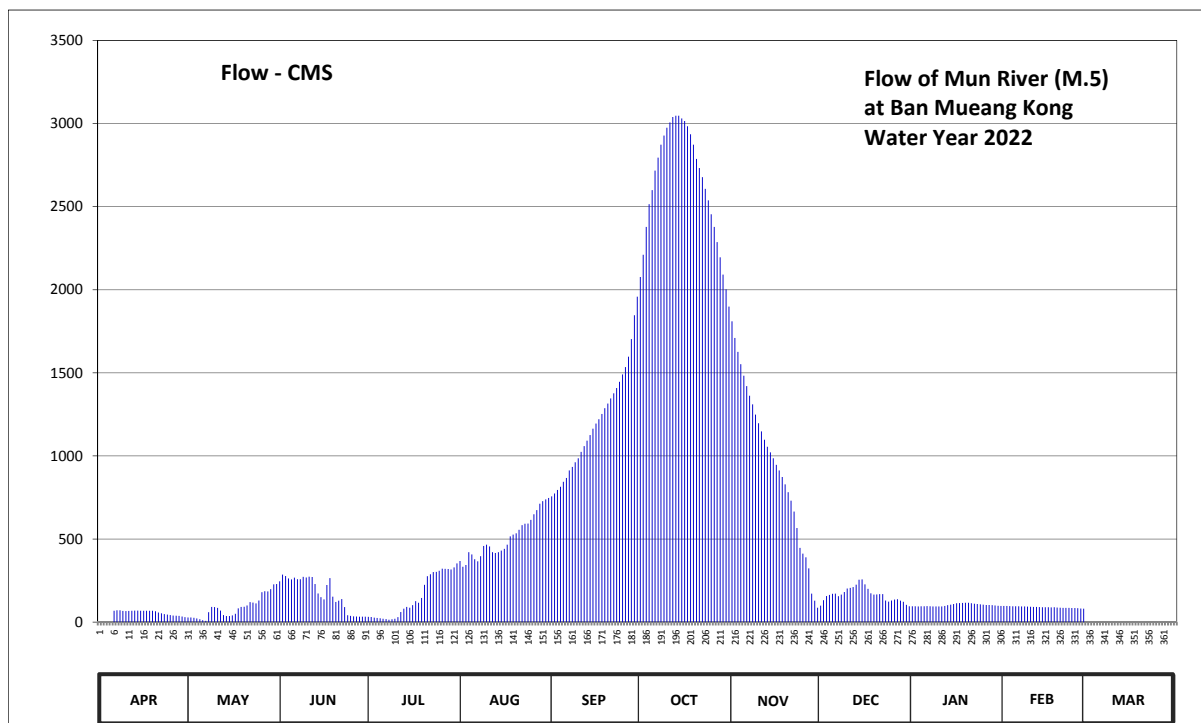
Lat 15 - 20 - 21 N Long 104 - 09 - 14 E

Location : on left bank infront of Amphoe Rasi Salai Office.

	Ban	Mueang Kong	Amphoe	Rasi Salai	Changwat	Si Sa Ket
Drainge Area	45,136	sq.km.				
Type of Gage	Water- stage recorder.					
Zero Gage at Bottom	+110.000 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank downstream side at the footpath of the bridge.				Elevation	+124.814 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1995 to date					
Rating Operation						
Period of Rating	1972 to date					
Rated by Float	-					
Rated by Current Meter	1972 to date					
Stability of Channel Regimes	Fairly stable because of backwater effect.					
Overbank Flow Conditions	Overbank flow starts at elevation +122.510 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 58 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	112.15	111.66	113.00	110.91	114.02	117.04	121.38	121.02	112.87	112.82	112.85	112.63	
2	112.19	111.65	113.34	110.89	113.73	117.15	121.56	120.90	113.18	112.82	112.85	112.62	
3	112.20	111.62	113.27	110.80	113.82	117.28	121.78	120.78	113.39	112.81	112.84	112.61	
4	112.18	111.54	113.15	110.75	114.46	117.40	121.96	120.67	113.45	112.82	112.83	112.60	
5	112.24	111.45	113.10	110.69	114.35	117.58	122.07	120.55	113.50	112.83	112.82	112.58	
6	112.46	111.33	113.19	110.63	114.11	117.71	122.22	120.42	113.51	112.84	112.82	112.57	
7	112.52	111.26	113.11	110.57	114.01	117.96	122.32	120.29	113.38	112.82	112.81	112.55	
8	112.51	111.35	113.11	110.49	114.26	118.07	122.42	120.17	113.46	112.81	112.81	112.54	
9	112.45	111.71	113.23	110.56	114.78	118.21	122.49	120.03	113.59	112.81	112.80	112.53	
10	112.42	111.70	113.20	110.63	114.84	118.33	122.55	119.89	113.77	112.81	112.79	112.51	
11	112.45	111.66	113.24	110.88	114.75	118.52	122.59	119.75	113.80	112.81	112.78	112.51	
12	112.46	111.49	113.22	111.36	114.46	118.67	122.63	119.59	113.84	112.85	112.78	112.50	
13	112.49	111.10	112.87	111.61	114.42	118.81	122.64	119.43	113.96	112.90	112.77	112.49	
14	112.48	111.02	112.39	111.71	114.46	118.96	122.64	119.27	114.18	112.93	112.76	112.47	
15	112.47	111.02	112.21	111.67	114.54	119.11	122.62	119.10	114.19	112.97	112.76	112.46	
16	112.47	111.08	112.10	111.81	114.63	119.23	122.60	118.89	113.98	113.01	112.76	112.44	
17	112.47	111.21	112.82	112.01	114.84	119.33	122.56	118.69	113.75	113.02	112.74	112.43	
18	112.47	111.63	113.16	111.93	115.26	119.45	122.50	118.46	113.53	113.03	112.75	112.42	
19	112.46	111.71	112.23	112.17	115.35	119.58	122.42	118.18	113.46	113.04	112.73	112.41	
20	112.40	111.72	111.97	112.83	115.41	119.68	122.31	117.88	113.47	113.04	112.72	112.40	
21	112.25	111.79	112.03	113.26	115.59	119.79	122.24	117.54	113.49	113.01	112.71	112.39	
22	112.16	111.96	112.11	113.36	115.82	119.90	122.17	117.10	113.49	112.99	112.71	112.37	
23	112.07	111.94	111.70	113.47	115.89	120.01	122.08	116.40	113.16	112.97	112.71	112.37	
24	112.00	111.90	111.09	113.48	115.90	120.12	121.99	115.55	113.10	112.95	112.70	112.36	
25	111.94	112.04	111.04	113.53	116.07	120.25	121.88	115.30	113.16	112.93	112.70	112.35	
26	111.89	112.46	111.00	113.64	116.31	120.38	121.78	115.14	113.21	112.91	112.68	112.33	
27	111.87	112.51	110.97	113.63	116.49	120.55	121.66	114.67	113.23	112.91	112.66	112.31	
28	111.84	112.50	110.94	113.62	116.75	120.79	121.54	113.51	113.15	112.90	112.65	112.29	
29	111.77	112.61	110.94	113.60	116.85	121.07	121.40	113.15	113.09	112.88		112.28	
30	111.69	112.85	110.93	113.70	116.92	121.22	121.28	112.72	112.92	112.86		112.27	
31		112.87		113.90	116.98		121.14		112.83	112.85		112.26	
Mean	112.25	111.75	112.36	112.07	115.16	119.07	122.11	118.17	113.45	112.90	112.76	112.45	
Max	112.52	112.87	113.34	113.90	116.98	121.22	122.64	121.02	114.19	113.04	112.85	112.63	122.64
Min	111.69	111.02	110.93	110.49	113.73	117.04	121.14	112.72	112.83	112.81	112.65	112.26	110.49
Annual Max Momentary Gage Height	122.64		m. (MSL.) ,			at 21.00 Hours , on Oct 12, 2022							
Zero Gage at Bottom Elevation	110.00		m. (MSL.) ,			River Bed	108.93	m. (MSL.)					
Left Bank Elevation		124.53		m. (MSL.) ,									
Right Bank Elevation		122.50		m. (MSL.) ,		Drainage Are	45,136	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	28.00	245.00	31.40	367.40	756.40	2076.20	1809.80	99.30	94.80	97.50	0.00	
2	0.00	27.50	285.80	30.60	332.60	774.00	2210.60	1710.00	131.80	94.80	97.50	0.00	
3	0.00	26.00	277.40	27.00	343.40	794.80	2377.80	1626.00	156.80	93.90	96.60	0.00	
4	0.00	22.00	263.00	25.00	420.20	814.00	2514.60	1552.00	164.00	94.80	95.70	0.00	
5	0.00	17.50	257.00	22.60	407.00	844.40	2599.60	1482.50	170.00	95.70	94.80	0.00	
6	68.00	11.50	267.80	20.20	378.20	867.80	2716.60	1419.80	171.20	96.60	94.80	0.00	
7	71.40	8.00	258.20	17.80	366.20	912.80	2794.60	1362.60	155.60	94.80	93.90	0.00	
8	70.70	59.50	258.20	14.70	396.20	934.00	2872.60	1309.80	165.20	93.90	93.90	0.00	
9	67.50	91.10	272.60	17.40	458.60	962.00	2927.20	1248.20	180.80	93.90	93.00	0.00	
10	66.00	90.00	269.00	20.20	465.80	986.00	2975.00	1196.50	202.40	93.90	92.20	0.00	
11	67.50	86.00	273.80	30.20	455.00	1024.60	3007.00	1147.50	206.00	93.90	91.40	0.00	
12	68.00	69.30	271.40	60.20	420.20	1059.10	3039.00	1097.00	210.80	97.50	91.40	0.00	
13	69.50	42.00	229.40	81.00	415.40	1091.30	3047.00	1055.30	225.20	102.00	90.60	0.00	
14	69.00	36.40	171.80	91.10	420.20	1125.80	3047.00	1021.70	255.20	105.00	89.80	0.00	
15	68.50	36.40	150.20	87.00	429.80	1163.60	3031.00	986.00	256.60	109.00	89.80	0.00	
16	68.50	40.60	137.00	102.20	440.60	1194.80	3015.00	946.30	227.60	113.10	89.80	0.00	
17	68.50	49.70	223.40	126.20	465.80	1220.80	2983.00	912.30	200.00	114.20	88.20	0.00	
18	68.50	83.00	264.20	116.60	516.20	1252.00	2935.00	873.60	173.60	115.30	89.00	0.00	
19	68.00	91.10	152.60	145.40	527.00	1287.40	2872.60	828.80	165.20	116.40	87.40	0.00	
20	65.00	92.20	121.40	224.60	534.20	1315.40	2786.80	782.00	166.40	116.40	86.60	0.00	
21	57.50	99.90	128.60	276.20	555.80	1346.20	2732.20	731.00	168.80	113.10	85.80	0.00	
22	53.00	120.20	138.20	288.20	583.40	1377.00	2677.60	665.00	168.80	111.00	85.80	0.00	
23	48.50	117.80	90.00	301.40	591.80	1408.40	2607.40	566.00	129.60	109.00	85.80	0.00	
24	45.00	113.00	41.30	302.60	593.00	1445.80	2537.40	447.00	123.00	107.00	85.00	0.00	
25	42.00	129.80	37.80	308.60	614.80	1490.00	2453.80	412.00	129.60	105.00	85.00	0.00	
26	39.50	180.20	35.00	321.80	648.40	1534.20	2377.80	389.60	135.20	103.00	83.40	0.00	
27	38.50	186.20	33.80	320.60	673.60	1597.00	2286.60	323.80	137.60	103.00	81.80	0.00	
28	37.00	185.00	32.60	319.40	712.50	1702.60	2195.40	171.20	128.50	102.00	81.00	0.00	
29	33.50	198.20	32.60	317.00	727.50	1846.80	2091.00	128.50	121.90	100.20		0.00	
30	29.50	227.00	32.20	329.00	738.00	1957.80	2002.20	86.60	104.00	98.40		0.00	
31		229.40		353.00	747.00		1898.60		95.70	97.50		0.00	
Total	1448.60	2794.50	5251.30	4729.20	15745.80	36086.80	81688.20	28288.40	5126.40	3179.10	2517.50	0.00	186855.80
Mean	48.29	90.15	175.04	152.55	507.93	1202.89	2635.10	942.95	165.37	102.55	89.91	0.00	511.93
Max	71.40	229.40	285.80	353.00	747.00	1957.80	3047.00	1809.80	256.60	116.40	97.50	0.00	3047.00
Min	0.00	8.00	32.20	14.70	332.60	756.40	1898.60	86.60	95.70	93.90	81.00	0.00	0.00
Runoff	125.16	241.44	453.71	408.60	1360.44	3117.90	7057.86	2444.12	442.92	274.67	217.51	0.00	16144.34
Momentary Peak	3047.00	CMS.	at 122.64 m. (MSL.) at 21.00 Hours , on Oct 12, 2022										
Runoff Yield	11.34	Liters/Second/Square KM.			Momentary Peak Yield			67.51	Liters/Second/Square KM.				

WATER YEAR : 2022

MUN RIVER BASIN

Mun River at Ban Satuk, Buri Ram (M.6A)

Lat 15 - 18 - 00 N Long 103 - 17 - 32 E

Location : on right bank at Satuk.

	Ban Satuk	Amphoe Satuk	Changwat Buri Ram
Drainge Area	28,357 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+123.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank at the footpath of the bridge.	Elevation	+133.541 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 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	Overbank flow starts at elevation +130.500 m.(MSL.) and is including overbank flow.		
General Description	Records very good. Stage-discharge relation defined by 56 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	124.18	124.40	126.96	123.82	128.81	129.81	130.72	130.18	126.62	123.76	123.56	123.30	
2	124.22	124.35	127.01	123.75	128.80	129.82	130.82	130.11	126.57	123.76	123.56	123.42	
3	124.25	124.32	127.03	123.73	128.79	129.85	130.92	130.01	126.55	123.75	123.61	123.51	
4	124.24	124.34	127.08	123.74	128.76	129.89	131.04	129.92	126.56	123.75	123.72	123.48	
5	124.24	124.35	127.14	123.74	128.73	129.89	131.23	129.82	126.57	123.73	123.63	123.39	
6	124.19	124.37	127.20	123.75	128.70	129.86	131.45	129.71	126.57	123.68	123.30	123.35	
7	124.08	124.42	127.23	123.74	128.67	129.83	131.64	129.60	126.57	123.65	123.26	123.40	
8	123.95	124.47	127.26	123.72	128.67	129.81	131.88	129.48	126.59	123.63	123.24	123.42	
9	123.91	124.55	127.26	123.89	128.68	129.83	131.95	129.34	126.63	123.62	123.23	123.40	
10	123.98	124.74	127.21	123.92	128.71	129.85	131.93	129.18	126.65	123.62	123.22	123.30	
11	124.19	124.81	127.21	123.94	128.72	129.84	131.88	129.02	126.66	123.59	123.24	123.24	
12	124.37	124.98	127.16	124.06	128.74	129.84	131.80	128.84	126.63	123.57	123.31	123.21	
13	124.52	125.47	127.02	124.93	128.74	129.86	131.70	128.65	126.56	123.57	123.31	123.18	
14	124.63	125.45	126.80	126.25	128.73	129.87	131.59	128.46	126.36	123.56	123.32	123.15	
15	124.70	125.50	126.53	126.46	128.72	129.96	131.51	128.25	126.19	123.56	123.34	123.14	
16	124.73	125.60	126.23	126.63	128.72	129.99	131.42	128.06	125.92	123.54	123.36	123.13	
17	124.74	125.67	125.89	126.82	128.73	130.02	131.37	127.87	125.56	123.54	123.37	123.12	
18	124.72	125.71	125.54	127.04	128.71	130.08	131.30	127.66	125.24	123.52	123.37	123.12	
19	124.63	125.79	125.01	127.27	128.69	130.16	131.22	127.48	125.07	123.54	123.40	123.11	
20	124.59	125.90	124.38	127.51	128.72	130.25	131.13	127.35	124.88	123.55	123.55	123.14	
21	124.62	126.09	124.33	127.77	128.84	130.31	131.07	127.20	124.59	123.55	123.62	123.18	
22	124.68	126.18	124.24	127.99	128.93	130.35	131.02	127.12	124.51	123.57	123.51	123.15	
23	124.67	126.33	124.24	128.12	129.05	130.37	130.91	127.04	124.44	123.57	123.43	123.13	
24	124.55	126.40	124.15	128.22	129.15	130.39	130.82	127.01	124.35	123.58	123.37	123.12	
25	124.49	126.39	124.06	128.30	129.26	130.41	130.73	126.98	124.23	123.58	123.35	123.12	
26	124.47	126.54	124.03	128.35	129.39	130.45	130.62	126.92	124.12	123.50	123.32	123.11	
27	124.46	126.55	124.18	128.43	129.58	130.50	130.55	126.87	124.01	123.49	123.29	123.11	
28	124.47	126.55	124.19	128.54	129.66	130.52	130.49	126.81	123.93	123.49	123.27	123.13	
29	124.48	126.67	124.04	128.65	129.67	130.58	130.43	126.74	123.85	123.49		123.12	
30	124.44	126.77	123.90	128.70	129.73	130.64	130.36	126.68	123.77	123.52		123.12	
31		126.86		128.77	129.75		130.24		123.77	123.54		123.12	
Mean	124.41	125.50	125.82	126.15	128.95	130.09	131.15	128.28	125.50	123.59	123.39	123.22	
Max	124.74	126.86	127.26	128.77	129.75	130.64	131.95	130.18	126.66	123.76	123.72	123.51	131.95
Min	123.91	124.32	123.90	123.72	128.67	129.81	130.24	126.68	123.77	123.49	123.22	123.11	123.11
Annual Max Momentary Gage Height	131.95		m. (MSL.) ,		at 06.00 Hours , on Oct 9, 2022								
Zero Gage at Bottom Elevation	123.00		m. (MSL.) ,		River Bed		121.17	m. (MSL.)					
Left Bank Elevation	130.49		m. (MSL.) ,										
Right Bank Elevation	131.14		m. (MSL.) ,		Drainage Are		28,357	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.60	25.00	174.80	12.40	387.60	625.40	1074.00	770.40	149.40	11.20	7.40	3.50	
2	20.40	23.50	178.80	11.00	386.00	628.80	1144.00	736.80	145.90	11.20	7.40	5.30	
3	21.00	22.60	180.40	10.60	384.40	639.00	1216.00	697.80	144.50	11.00	8.20	6.65	
4	20.80	23.20	184.40	10.80	379.60	652.60	1312.00	663.60	145.20	11.00	10.40	6.20	
5	20.80	23.50	189.20	10.80	374.80	652.60	1477.00	628.80	145.90	10.60	8.60	4.85	
6	19.80	24.10	194.00	11.00	370.00	642.40	1675.00	591.40	145.90	9.60	3.50	4.25	
7	17.60	25.80	196.40	10.80	365.20	632.20	1846.00	558.00	145.90	9.00	3.10	5.00	
8	15.00	27.80	198.80	10.40	365.20	625.40	2062.00	524.80	147.30	8.60	2.90	5.30	
9	14.20	31.00	198.80	13.80	366.80	632.20	2125.00	489.60	150.10	8.40	2.80	5.00	
10	15.60	39.00	194.80	14.40	371.60	639.00	2107.00	454.00	151.50	8.40	2.70	3.50	
11	19.80	42.50	194.80	14.80	373.20	635.60	2062.00	423.60	152.20	7.85	2.90	2.90	
12	24.10	51.00	190.80	17.20	376.40	635.60	1990.00	392.40	150.10	7.55	3.65	2.60	
13	29.80	75.50	179.60	48.50	376.40	642.40	1900.00	362.00	145.20	7.55	3.65	2.40	
14	34.20	74.50	162.00	123.50	374.80	645.80	1801.00	334.40	131.20	7.40	3.80	2.25	
15	37.00	77.00	143.10	138.20	373.20	678.80	1729.00	308.00	119.30	7.40	4.10	2.20	
16	38.50	82.00	122.10	150.10	373.20	690.20	1648.00	285.20	100.40	7.10	4.40	2.15	
17	39.00	85.50	98.40	163.60	374.80	701.60	1603.00	262.40	80.00	7.10	4.55	2.10	
18	38.00	87.60	79.00	181.20	371.60	724.40	1540.00	237.20	64.00	6.80	4.55	2.10	
19	34.20	92.40	52.50	199.60	368.40	760.80	1468.00	218.00	55.50	7.10	5.00	2.05	
20	32.60	99.00	24.40	221.00	373.20	804.00	1387.00	206.00	46.00	7.25	7.25	2.20	
21	33.80	112.30	22.90	250.40	392.40	833.20	1336.00	194.00	32.60	7.25	8.40	2.40	
22	36.20	118.60	20.80	276.80	407.40	854.00	1296.00	187.60	29.40	7.55	6.65	2.25	
23	35.80	129.10	20.80	292.40	429.00	864.40	1208.00	181.20	26.60	7.55	5.45	2.15	
24	31.00	134.00	19.00	304.40	448.00	874.80	1144.00	178.80	23.50	7.70	4.55	2.10	
25	28.60	133.30	17.20	314.00	471.20	886.00	1081.00	176.40	20.60	7.70	4.25	2.10	
26	27.80	143.80	16.60	320.00	501.60	910.00	1012.00	171.60	18.40	6.50	3.80	2.05	
27	27.40	144.50	19.60	330.20	552.40	940.00	970.00	167.60	16.20	6.35	3.40	2.05	
28	27.80	144.50	19.80	345.60	576.00	952.00	934.00	162.80	14.60	6.35	3.20	2.15	
29	28.20	152.90	16.80	362.00	579.00	988.00	898.00	157.80	13.00	6.35		2	

WATER YEAR : 2022**MUN RIVER BASIN****Mun River at Ban Chumchondeengam, Ubon Ratchathani (M.7)**

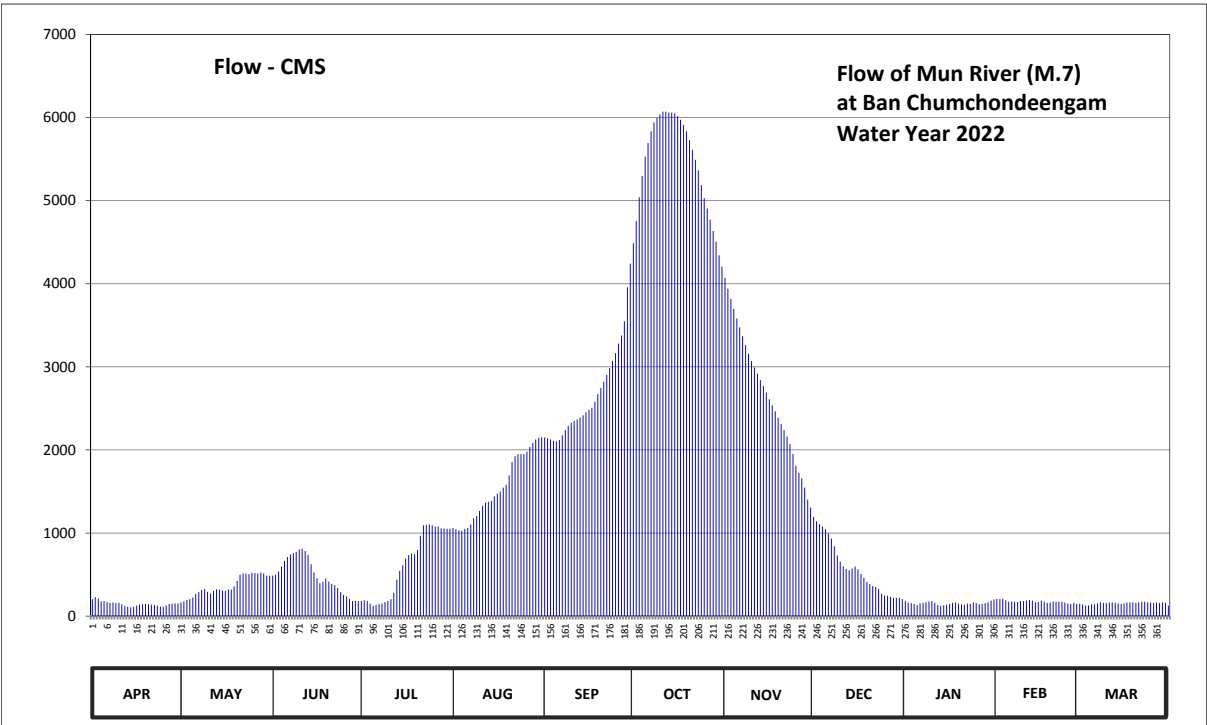
Lat 15 - 13 - 21 N Long 104 - 51 - 33 E

Location : on left bank at Seri Prachathipatai Bridge.

	Ban	Chumchondeengam	Amphoe	Warin Chamrap	Changwat	Ubon Ratchathani
Drainge Area	107,238	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+105.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the abutment of 200 years Krung Ratanakosin		Elevation	+121.152 m. (MSL.)		
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 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	Fairly stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Pak Mun barrage situated about 90 kilometers downstream from the gage site. Stage-discharge relation defined by 88 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	107.37	107.26	108.12	107.31	109.47	111.70	114.91	114.45	109.76	107.31	107.38	107.21	
2	107.44	107.29	108.15	107.33	109.44	111.68	115.20	114.30	109.64	107.25	107.37	107.18	
3	107.39	107.34	108.25	107.31	109.41	111.65	115.50	114.16	109.57	107.23	107.38	107.14	
4	107.29	107.37	108.40	107.21	109.40	111.62	115.76	114.02	109.51	107.20	107.33	107.15	
5	107.30	107.43	108.57	107.13	109.45	111.61	116.00	113.88	109.44	107.16	107.28	107.19	
6	107.27	107.55	108.69	107.17	109.47	111.64	116.16	113.75	109.34	107.22	107.29	107.19	
7	107.24	107.61	108.76	107.20	109.56	111.75	116.29	113.62	109.20	107.24	107.28	107.22	
8	107.25	107.68	108.80	107.22	109.72	111.88	116.39	113.49	109.00	107.26	107.27	107.26	
9	107.23	107.71	108.84	107.27	109.78	111.98	116.44	113.36	108.73	107.29	107.30	107.24	
10	107.24	107.62	108.91	107.31	109.91	112.05	116.48	113.24	108.55	107.30	107.30	107.23	
11	107.19	107.56	108.93	107.37	110.04	112.09	116.51	113.12	108.40	107.24	107.32	107.25	
12	107.13	107.65	108.86	107.59	110.12	112.12	116.51	113.01	108.33	107.16	107.34	107.25	
13	107.10	107.70	108.75	107.99	110.14	112.16	116.50	112.89	108.29	107.13	107.32	107.24	
14	107.08	107.69	108.47	108.27	110.16	112.21	116.50	112.78	108.34	107.15	107.26	107.22	
15	107.10	107.66	108.22	108.44	110.27	112.27	116.49	112.66	108.40	107.17	107.27	107.20	
16	107.14	107.65	108.04	108.64	110.34	112.32	116.46	112.53	108.32	107.20	107.32	107.22	
17	107.18	107.69	107.89	108.74	110.39	112.36	116.42	112.41	108.17	107.24	107.28	107.25	
18	107.19	107.69	107.93	108.79	110.49	112.48	116.36	112.29	108.05	107.25	107.24	107.26	
19	107.20	107.79	108.03	108.77	110.56	112.63	116.29	112.16	107.93	107.21	107.25	107.26	
20	107.19	107.96	107.94	108.89	110.79	112.74	116.19	112.02	107.86	107.19	107.29	107.24	
21	107.18	108.15	107.87	109.27	111.11	112.86	116.08	111.88	107.80	107.17	107.28	107.26	
22	107.16	108.19	107.83	109.54	111.25	112.99	115.96	111.72	107.77	107.21	107.28	107.28	
23	107.14	108.18	107.74	109.55	111.30	113.11	115.83	111.54	107.71	107.20	107.28	107.28	
24	107.11	108.17	107.61	109.56	111.30	113.24	115.65	111.30	107.55	107.25	107.25	107.26	
25	107.10	108.21	107.51	109.54	111.30	113.37	115.49	111.02	107.49	107.23	107.21	107.25	
26	107.15	108.20	107.46	109.51	111.36	113.51	115.36	110.85	107.49	107.19	107.20	107.24	
27	107.20	108.19	107.38	109.51	111.47	113.63	115.22	110.72	107.45	107.20	107.24	107.25	
28	107.21	108.22	107.30	109.46	111.57	113.84	115.07	110.49	107.42	107.23	107.20	107.24	
29	107.22	108.19	107.30	109.46	111.65	114.32	114.93	110.19	107.41	107.26		107.26	
30	107.22	108.12	107.30	109.45	111.69	114.64	114.75	109.99	107.42	107.32		107.24	
31		108.12		109.45	111.70		114.60		107.37	107.36		107.14	
Mean	107.21	107.80	108.13	108.40	110.47	112.55	115.88	112.46	108.31	107.23	107.29	107.23	
Max	107.44	108.22	108.93	109.56	111.70	114.64	116.51	114.45	109.76	107.36	107.38	107.28	116.51
Min	107.08	107.26	107.30	107.13	109.40	111.61	114.60	109.99	107.37	107.13	107.20	107.14	107.08
Annual Max Momentary Gage Height	116.51		m. (MSL.) ,			at 09.00 Hours , on Oct 11, 2022							
Zero Gage at Bottom Elevation		105.00	m. (MSL.) ,			River Bed	110.74	m. (MSL.)					
Left Bank Elevation		120.95	m. (MSL.) ,										
Right Bank Elevation		117.65	m. (MSL.) ,			Drainage Are	107,238	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	204.50	166.40	486.80	183.50	1059.90	2150.00	4488.10	4071.00	1196.20	183.50	208.00	149.40		
2	229.00	176.60	498.50	190.50	1045.80	2140.00	4753.00	3940.00	1139.80	163.00	204.50	139.40		
3	211.50	194.00	537.50	183.50	1031.70	2125.00	5040.00	3818.20	1106.90	156.20	208.00	126.20		
4	176.60	204.50	596.00	149.40	1027.00	2110.00	5294.80	3697.20	1078.70	146.00	190.50	129.50		
5	180.00	225.50	663.70	122.90	1050.50	2105.00	5530.00	3581.60	1045.80	132.80	173.20	142.70		
6	169.80	267.50	712.90	136.10	1059.90	2120.00	5694.20	3475.00	998.80	152.80	176.60	142.70		
7	159.60	288.80	741.60	146.00	1102.20	2175.00	5833.30	3368.40	933.00	159.60	173.20	152.80		
8	163.00	315.40	758.00	152.80	1177.40	2240.00	5941.20	3262.00	840.00	166.40	169.80	166.40		
9	156.20	326.90	774.40	169.80	1205.60	2290.00	5995.20	3158.00	729.30	176.60	180.00	159.60		
10	159.60	292.60	803.10	183.50	1266.80	2327.50	6038.40	3070.40	655.50	180.00	180.00	156.20		
11	142.70	271.00	811.30	204.50	1329.20	2349.50	6070.80	2991.20	596.00	159.60	187.00	163.00		
12	122.90	304.00	782.60	281.50	1367.60	2366.00	6070.80	2916.80	568.70	132.80	194.00	163.00		
13	113.00	323.00	737.50	436.10	1377.20	2388.00	6060.00	2839.60	553.10	122.90	187.00	159.60		
14	106.40	319.20	623.30	545.30	1386.80	2416.00	6060.00	2769.20	572.60	129.50	166.40	152.80		
15	113.00	307.80	525.80	611.60	1439.60	2452.00	6049.20	2692.40	596.00	136.10	169.80	146.00		
16	126.20	304.00	455.60	692.40	1473.20	2482.00	6016.80	2609.20	564.80	146.00	187.00	152.80		
17	139.40	319.20	397.10	733.40	1497.20	2506.00	5973.60	2536.00	506.30	159.60	173.20	163.00		
18	142.70	319.20	412.70	753.90	1545.20	2578.00	5908.80	2464.00	459.50	163.00	159.60	166.40		
19	146.00	358.10	451.70	745.70	1580.00	2673.20	5833.30	2388.00	412.70	149.40	163.00	166.40		
20	142.70	424.40	416.60	794.90	1695.00	2743.60	5726.30	2311.00	385.40	142.70	176.60	159.60		
21	139.40	498.50	389.30	965.90	1855.00	2820.40	5610.00	2240.00	362.00	136.10	173.20	166.40		
22	132.80	514.10	373.70	1092.80	1925.00	2903.60	5490.80	2160.00	350.30	149.40	173.20	173.20		
23	126.20	510.20	338.60	1097.50	1950.00	2984.60	5363.40	2070.00	326.90	146.00	173.20	173.20		
24	116.30	506.30	288.80	1102.20	1950.00	3070.40	5187.00	1950.00	267.50	163.00	163.00	166.40		
25	113.00	521.90	253.50	1092.80	1950.00	3166.00	5030.20	1810.00	246.50	156.20	149.40	163.00		
26	129.50	518.00	236.00	1078.70	1980.00	3278.20	4903.20	1725.00	246.50	142.70	146.00	159.60		
27	146.00	514.10	208.00	1078.70	2035.00	3376.60	4771.40	1660.00	232.50	146.00	159.60	163.00		
28	149.40	525.80	180.00	1055.20	2085.00	3548.80	4633.70	1545.20	222.00	156.20	146.00	159.60		
29	152.80	514.10	180.00	1055.20	2125.00	3957.40	4506.30	1401.20	218.50	166.40		166.40		
30	152.80	486.80	180.00	1050.50	2145.00	4242.40	4342.50	1305.20	222.00	187.00		159.60		
31		486.80		1050.50	2150.00		4206.00		204.50	201.00		126.20		
Total	4463.00	11304.70	14814.60	19137.30	47867.80	80085.20	168422.30	79825.80	17838.30	4808.50	4911.00	4834.10	458312.60	CMSDAY
Mean	148.77	364.67	493.82	617.33	1544.12	2669.51	5432.98	2660.86	575.43	155.11	175.39	155.94	1255.65	CMS
Max	229.00	525.80	811.30	1102.20	2150.00	4242.40	6070.80	4071.00	1196.20	201.00	208.00	173.20	6070.80	CMS
Min	106.40	166.40	180.00	122.90	1027.00	2105.00	4206.00	1305.20	204.50	122.90	146.00	126.20	106.40	CMS
Runoff	385.60	976.73	1279.98	1653.46	4135.78	6919.36	14551.69	6896.95	1541.23	415.45	424.31	417.67	39598.21	MCM
Momentary Peak	6070.80 CMS. at 116.51 m. (MSL.) at 09.00 Hours , on Oct 11, 2022													
Runoff Yield	11.70	Liters/Second/Square KM.			Momentary Peak Yield		56.55	Liters/Second/Square KM.						

WATER YEAR : 2022**MUN RIVER BASIN****Huai Samran at Ban Saphan Khao Community, Si Sa ket (M.9)**

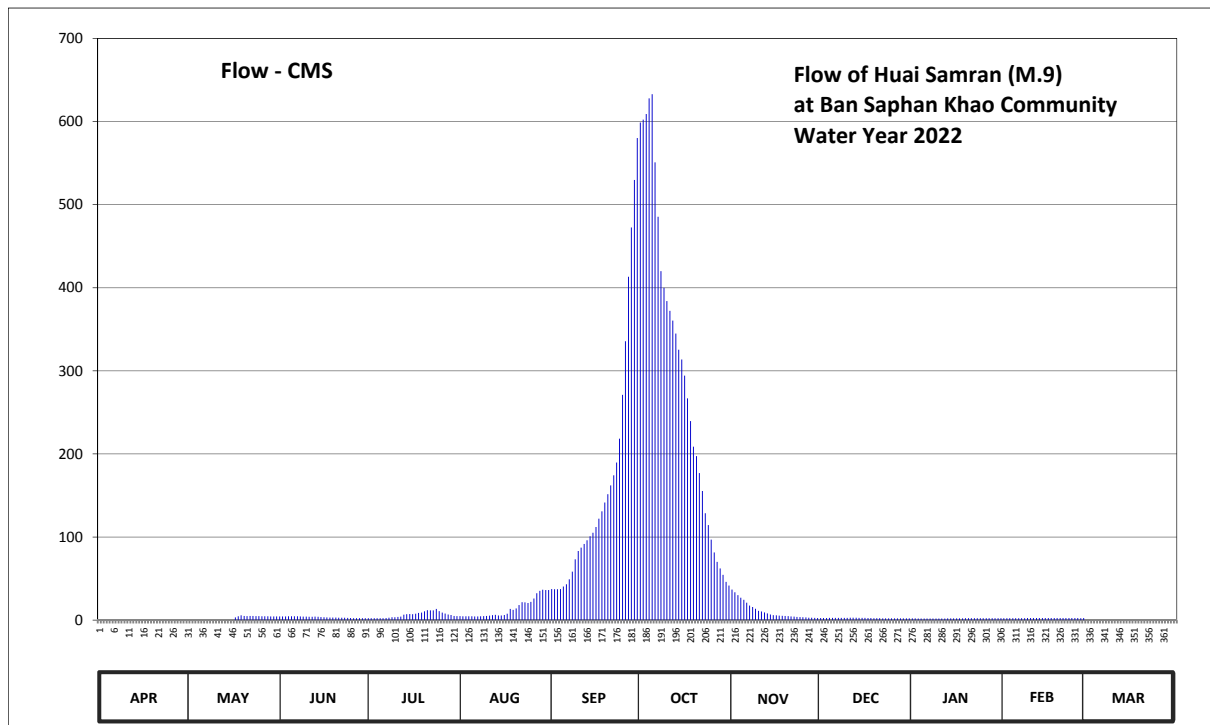
Lat 15 - 07 - 05 N Long 104 - 19 - 07 E

Location : on right bank at the bridge on Highway.

	Ban	Saphan Khao Community	Amphoe	Mueang	Changwat	Si Sa Ket
Drainge Area	3,042	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+109.000 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On right bank at the top staff gage.				Elevation	+124.692 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1954 to date					
Rating Operation						
Period of Rating	1954, 1972 - 1981, 1987 to date					
Rated by Float	-					
Rated by Current Meter	1954, 1972 - 1981, 1987 to date					
Stability of Channel Regimes	Fairly stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. The Water Supply weir situated above gage site. Stage-discharge relation defined by 42 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	112.83	112.36	113.16	112.13	113.39	115.18	121.97	119.69	113.52	113.03	113.32	113.40	
2	112.97	112.35	113.16	112.13	113.34	115.17	121.99	119.52	113.55	113.02	113.33	113.43	
3	113.07	112.34	113.16	112.12	113.32	115.17	122.03	119.35	113.58	113.00	113.34	113.45	
4	113.09	112.33	113.26	112.12	113.31	115.18	122.14	119.20	113.61	112.99	113.35	113.46	
5	113.08	112.33	113.32	112.12	113.28	115.28	122.17	119.07	113.63	112.97	113.36	113.46	
6	113.08	112.32	113.32	112.12	113.24	115.37	122.12	118.90	113.66	112.96	113.37	113.44	
7	113.07	112.32	113.27	112.25	113.24	115.57	122.06	118.66	113.69	112.95	113.38	113.42	
8	113.04	112.31	113.20	112.42	113.31	115.86	122.00	118.47	113.72	112.94	113.39	113.40	
9	113.03	112.31	113.14	112.69	113.40	116.23	121.95	118.26	113.74	112.93	113.41	113.37	
10	113.00	112.30	113.08	112.77	113.48	116.48	121.91	118.02	113.77	112.92	113.43	113.37	
11	112.97	112.30	113.03	112.91	113.53	116.58	121.88	117.88	113.80	112.95	113.44	113.37	
12	112.84	112.29	113.04	113.11	113.60	116.69	121.85	117.64	113.83	112.98	113.43	113.38	
13	112.69	112.29	113.11	113.66	113.63	116.80	121.81	117.40	113.84	113.01	113.41	113.38	
14	112.60	112.29	112.97	113.71	113.55	116.92	121.76	117.16	113.76	113.05	113.43	113.36	
15	112.57	112.29	112.83	113.73	113.55	117.03	121.73	116.92	113.68	113.09	113.42	113.40	
16	112.55	112.32	112.70	113.72	113.62	117.18	121.68	116.68	113.60	113.13	113.42	113.38	
17	112.55	112.67	112.61	113.76	113.76	117.38	121.61	116.44	113.52	113.16	113.44	113.38	
18	112.54	113.27	112.57	113.84	114.17	117.56	121.54	116.20	113.44	113.19	113.45	113.35	
19	112.50	113.58	112.53	113.87	114.09	117.77	121.42	115.96	113.37	113.20	113.44	113.35	
20	112.43	113.50	112.49	113.97	114.20	117.97	121.36	115.72	113.30	113.22	113.43	113.33	
21	112.38	113.44	112.45	114.06	114.40	118.17	121.25	115.42	113.23	113.24	113.44	113.34	
22	112.38	113.46	112.41	114.05	114.58	118.37	121.13	115.13	113.16	113.25	113.43	113.34	
23	112.37	113.46	112.40	114.05	114.57	118.61	120.97	114.89	113.09	113.26	113.41	113.34	
24	112.37	113.43	112.33	114.16	114.53	118.98	120.84	114.65	113.04	113.27	113.42	113.35	
25	112.37	113.38	112.23	113.98	114.60	119.56	120.68	114.41	113.04	113.28	113.44	113.34	
26	112.37	113.33	112.18	113.87	114.80	120.16	120.54	114.17	113.04	113.29	113.41	113.33	
27	112.36	113.30	112.16	113.78	115.01	120.78	120.40	113.97	113.03	113.30	113.39	113.33	
28	112.36	113.30	112.16	113.68	115.11	121.19	120.27	113.78	113.03	113.31	113.40	113.32	
29	112.36	113.23	112.13	113.62	115.15	121.56	120.14	113.62	113.03	113.32		113.32	
30	112.36	113.20	112.12	113.48	115.14	121.86	120.00	113.54	113.03	113.32		113.33	
31		113.16		113.37	115.14		119.85		113.03	113.32		113.31	
Mean	112.67	112.80	112.75	113.27	114.00	117.55	121.39	116.69	113.43	113.12	113.40	113.37	
Max	113.09	113.58	113.32	114.16	115.15	121.86	122.17	119.69	113.84	113.32	113.45	113.46	122.17
Min	112.36	112.29	112.12	112.12	113.24	115.17	119.85	113.54	113.03	112.92	113.32	113.31	112.12
Annual Max Momentary Gage Height	122.19	m. (MSL.) ,		at 04.00 Hours , on Oct 5, 2022									
Zero Gage at Bottom Elevation	109.00	m. (MSL.) ,		River Bed		108.74	m. (MSL.)						
Left Bank Elevation	123.17	m. (MSL.) ,											
Right Bank Elevation	125.00	m. (MSL.) ,		Drainage Are		3,042	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	4.32	2.26	4.78	37.40	598.90	36.80	2.52	2.03	2.32	0.00	
2	0.00	0.00	4.32	2.26	4.68	37.10	602.30	33.40	2.55	2.02	2.33	0.00	
3	0.00	0.00	4.32	2.24	4.64	37.10	609.10	30.00	2.58	2.00	2.34	0.00	
4	0.00	0.00	4.52	2.24	4.62	37.40	627.80	27.00	2.61	1.99	2.35	0.00	
5	0.00	0.00	4.64	2.24	4.56	40.40	632.90	24.40	2.63	1.97	2.36	0.00	
6	0.00	0.00	4.64	2.24	4.48	43.10	550.80	21.00	2.66	1.96	2.37	0.00	
7	0.00	0.00	4.54	2.50	4.48	49.10	485.40	17.60	2.69	1.95	2.38	0.00	
8	0.00	0.00	4.40	2.84	4.62	58.40	420.00	15.70	2.72	1.94	2.39	0.00	
9	0.00	0.00	4.28	3.38	4.80	73.20	400.00	13.60	2.74	1.93	2.41	0.00	
10	0.00	0.00	4.16	3.54	4.96	83.20	384.00	11.20	2.77	1.92	2.43	0.00	
11	0.00	0.00	4.06	3.82	5.30	87.20	372.20	10.40	2.80	1.95	2.44	0.00	
12	0.00	0.00	4.08	4.22	6.00	91.60	360.50	9.20	2.83	1.98	2.43	0.00	
13	0.00	0.00	4.22	6.60	6.30	96.00	344.90	8.00	2.84	2.01	2.41	0.00	
14	0.00	0.00	3.94	7.10	5.50	100.80	325.40	6.80	2.76	2.05	2.43	0.00	
15	0.00	0.00	3.66	7.30	5.50	105.20	313.70	5.92	2.68	2.09	2.42	0.00	
16	0.00	0.00	3.40	7.20	6.20	112.00	294.20	5.68	2.60	2.13	2.42	0.00	
17	0.00	3.34	3.22	7.60	7.60	122.00	266.90	5.44	2.52	2.16	2.44	0.00	
18	0.00	4.54	3.14	8.60	13.55	131.00	239.60	5.20	2.44	2.19	2.45	0.00	
19	0.00	5.80	3.06	9.05	12.35	141.50	208.80	4.96	2.37	2.20	2.44	0.00	
20	0.00	5.00	2.98	10.55	14.00	151.50	197.40	4.72	2.30	2.22	2.43	0.00	
21	0.00	4.88	2.90	11.90	18.00	162.20	177.00	4.42	2.23	2.24	2.44	0.00	
22	0.00	4.92	2.82	11.75	21.60	174.20	155.40	4.13	2.16	2.25	2.43	0.00	
23	0.00	4.92	2.80	11.75	21.40	189.70	128.70	3.89	2.09	2.26	2.41	0.00	
24	0.00	4.86	2.66	13.40	20.60	218.40	114.40	3.65	2.04	2.27	2.42	0.00	
25	0.00	4.76	2.46	10.70	22.00	271.00	96.80	3.41	2.04	2.28	2.44	0.00	
26	0.00	4.66	2.36	9.05	26.00	335.60	81.40	3.17	2.04	2.29	2.41	0.00	
27	0.00	4.60	2.32	7.80	32.30	413.20	70.00	2.97	2.03	2.30	2.39	0.00	
28	0.00	4.60	2.32	6.80	35.30	472.50	62.20	2.78	2.03	2.31	2.40	0.00	
29	0.00	4.46	2.26	6.20	36.50	529.60	54.40	2.62	2.03	2.32		0.00	
30	0.00	4.40	2.24	4.96	36.20	580.20	46.00	2.54	2.03	2.32		0.00	
31		4.32		4.74	36.20		41.50		2.03	2.32		0.00	
Total	0.00	70.06	105.04	196.83	435.02	4981.80	9262.60	330.60	75.36	65.85	67.33	0.00	15590.49 CMSDAY
Mean	0.00	2.26	3.50	6.35	14.03	166.06	298.79	11.02	2.43	2.12	2.40	0.00	42.71 CMS
Max	0.00	5.80	4.64	13.40	36.50	580.20	632.90	36.80	2.84	2.32	2.45	0.00	632.90 CMS
Min	0.00	0.00	2.24	2.24	4.48	37.10	41.50	2.54	2.03	1.92	2.32	0.00	0.00 CMS
Runoff	0.00	6.05	9.08	17.01	37.59	430.43	800.29	28.56	6.51	5.69	5.82	0.00	1347.02 MCM
Momentary Peak	636.30	CMS. at 122.19 m. (MSL.) at 04.00 Hours , on Oct 5, 2022											
Runoff Yield	14.30	Liters/Second/Square KM.					Momentary Peak Yield	212.95	Liters/Second/Square KM.				

WATER YEAR : 2022**MUN RIVER BASIN****Mun River at Ban Pho Tak, Ubon Ratchathani (M.11B)**

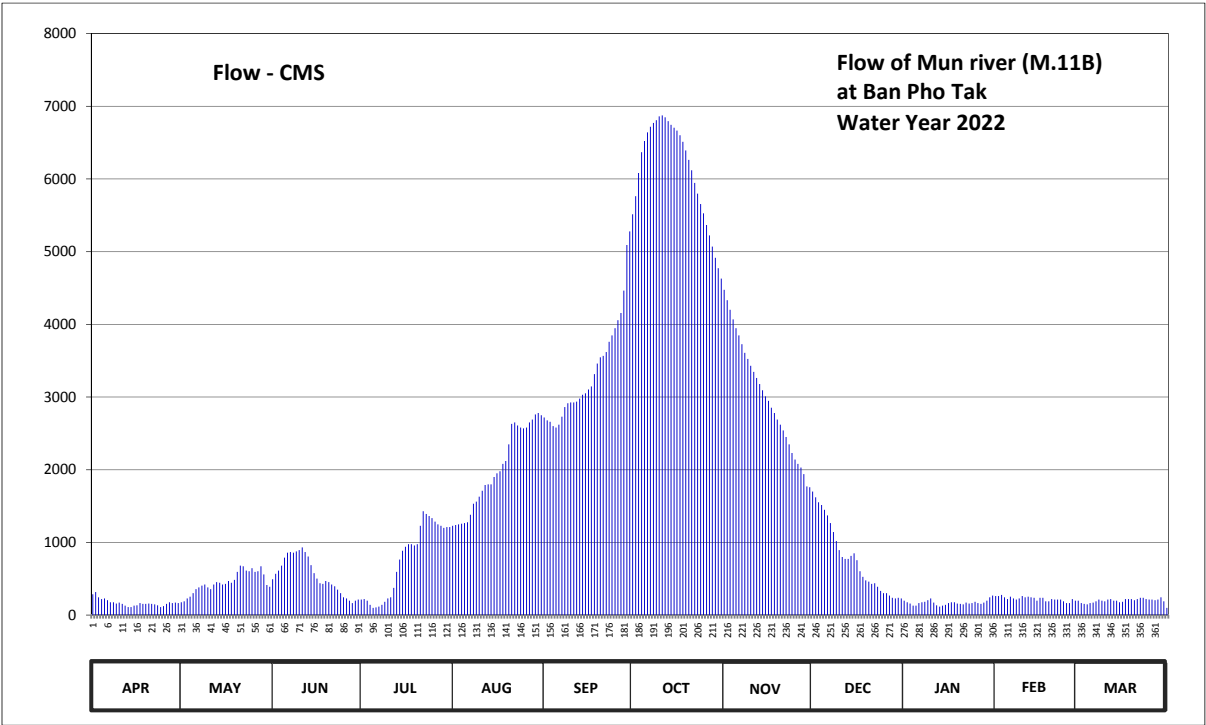
Lat 15 - 14 - 59 N Long 105 - 14 - 21 E

Location : on right bank at the bridge on road.

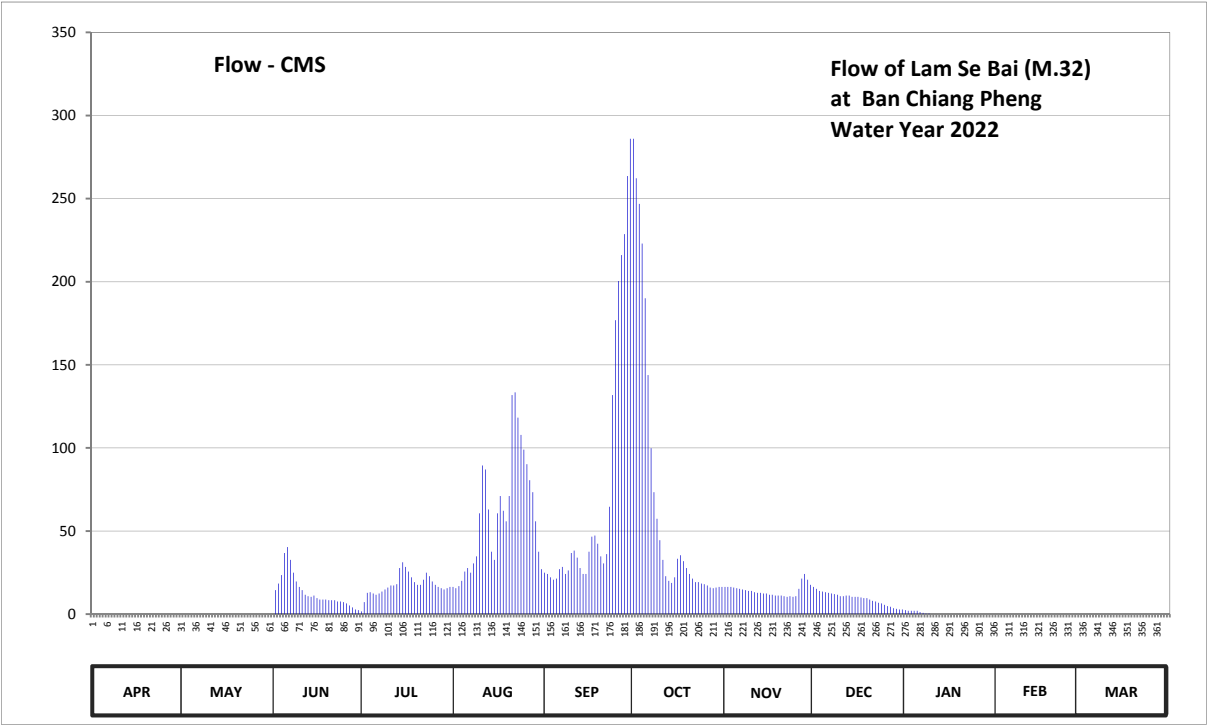
	Ban	Pho Tak	Amphoe	Phibul Mangsahan	Changwat	Ubon Ratchathani
Drainge Area	116,341	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+104.00	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	At the automatic gage building.				Elevation	+113.192 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2009 to date					
Rating Operation						
Period of Rating	2009 to date					
Rated by Float	-					
Rated by Current Meter	2009 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +112.940 m.(MSL.) and is including overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 68 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	107.12	106.98	107.38	107.03	108.21	109.72	112.30	111.36	108.70	107.01	107.09	107.01	
2	107.16	107.00	107.47	107.04	108.22	109.68	112.51	111.23	108.62	106.98	107.09	106.96	
3	107.07	107.05	107.52	107.01	108.23	109.66	112.77	111.11	108.55	106.95	107.11	106.94	
4	107.04	107.08	107.60	106.92	108.24	109.60	112.99	110.99	108.51	106.90	107.07	106.93	
5	107.05	107.14	107.73	106.85	108.25	109.58	113.11	110.88	108.44	106.90	107.04	106.96	
6	107.02	107.21	107.81	106.86	108.26	109.62	113.20	110.79	108.36	106.96	107.08	106.97	
7	106.98	107.24	107.82	106.88	108.37	109.73	113.26	110.68	108.25	106.98	107.05	107.00	
8	106.98	107.27	107.81	106.92	108.53	109.86	113.30	110.57	108.12	106.99	107.03	107.03	
9	106.95	107.29	107.83	106.99	108.56	109.91	113.33	110.49	107.99	107.02	107.05	107.01	
10	106.97	107.24	107.85	107.05	108.63	109.92	113.37	110.40	107.85	107.05	107.09	107.00	
11	106.94	107.21	107.89	107.07	108.71	109.92	113.38	110.32	107.74	106.97	107.07	107.03	
12	106.90	107.29	107.82	107.23	108.79	109.93	113.36	110.24	107.71	106.91	107.08	107.04	
13	106.87	107.33	107.75	107.50	108.80	109.97	113.32	110.16	107.71	106.88	107.07	107.01	
14	106.87	107.32	107.61	107.70	108.80	110.02	113.28	110.08	107.76	106.90	107.06	107.01	
15	106.90	107.29	107.48	107.84	108.90	110.04	113.25	110.00	107.80	106.92	107.01	106.98	
16	106.91	107.30	107.39	107.90	108.95	110.09	113.22	109.94	107.69	106.96	107.06	106.99	
17	106.96	107.35	107.31	107.94	108.98	110.13	113.17	109.85	107.51	106.98	107.06	107.04	
18	106.94	107.32	107.30	107.94	109.08	110.29	113.10	109.78	107.42	106.98	107.00	107.04	
19	106.94	107.37	107.35	107.92	109.12	110.43	113.01	109.69	107.36	106.95	107.00	107.04	
20	106.95	107.50	107.33	107.94	109.35	110.51	112.91	109.62	107.34	106.94	107.04	107.02	
21	106.94	107.60	107.29	108.21	109.63	110.53	112.80	109.54	107.30	106.93	107.03	107.04	
22	106.93	107.59	107.26	108.42	109.65	110.58	112.66	109.45	107.31	106.97	107.03	107.06	
23	106.91	107.52	107.20	108.38	109.61	110.71	112.54	109.35	107.25	106.95	107.03	107.06	
24	106.87	107.51	107.14	108.35	109.58	110.79	112.42	109.23	107.18	106.96	107.00	107.04	
25	106.89	107.56	107.07	108.32	109.57	110.88	112.31	109.14	107.14	106.99	106.96	107.03	
26	106.94	107.50	107.05	108.27	109.58	110.98	112.17	109.08	107.14	106.96	106.96	107.03	
27	106.98	107.51	107.01	108.23	109.65	111.07	112.04	109.03	107.10	106.94	107.04	107.02	
28	106.96	107.59	106.96	108.21	109.69	111.35	111.90	108.94	107.06	106.97	107.01	107.03	
29	106.97	107.46	107.01	108.18	109.76	111.92	111.76	108.77	107.05	107.01		107.07	
30	106.96	107.28	107.03	108.19	109.78	112.09	111.63	108.76	107.06	107.07		107.00	
31		107.25		108.19	109.75		111.50		107.05	107.10		106.85	
Mean	106.96	107.33	107.44	107.66	109.01	110.32	112.77	109.98	107.68	106.97	107.04	107.01	
Max	107.16	107.60	107.89	108.42	109.78	112.09	113.38	111.36	108.70	107.10	107.11	107.07	113.38
Min	106.87	106.98	106.96	106.85	108.21	109.58	111.50	108.76	107.05	106.88	106.96	106.85	106.85
Annual Max Momentary Gage Height	113.38		m. (MSL.) ,			at 24.00 Hours , on Oct 10, 2022							
Zero Gage at Bottom Elevation		104.00	m. (MSL.) ,			River Bed	103.22	m. (MSL.)					
Left Bank Elevation		112.93	m. (MSL.) ,										
Right Bank Elevation		113.53	m. (MSL.) ,			Drainage Are	116,341	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	286.00	178.00	494.00	214.00	1229.50	2720.00	5515.00	4476.00	1700.00	198.00	262.00	198.00		
2	318.00	190.00	569.50	222.00	1239.00	2680.00	5762.00	4333.00	1620.00	178.00	262.00	166.00		
3	246.00	230.00	612.00	198.00	1248.50	2660.00	6082.50	4201.00	1552.50	160.00	278.00	154.00		
4	222.00	254.00	680.00	142.00	1258.00	2600.00	6367.00	4069.00	1514.50	130.00	246.00	148.00		
5	230.00	302.00	790.50	100.00	1267.50	2580.00	6523.00	3948.00	1448.00	130.00	222.00	166.00		
6	206.00	358.00	859.00	106.00	1277.00	2620.00	6640.00	3849.00	1372.00	166.00	254.00	172.00		
7	178.00	382.00	868.00	118.00	1381.50	2730.00	6718.00	3728.00	1267.50	178.00	230.00	190.00		
8	178.00	406.00	859.00	142.00	1533.50	2863.00	6770.00	3608.50	1144.00	184.00	214.00	214.00		
9	160.00	422.00	877.00	184.00	1562.00	2915.50	6809.00	3524.50	1021.00	206.00	230.00	198.00		
10	172.00	382.00	895.00	230.00	1630.00	2926.00	6861.00	3430.00	895.00	230.00	262.00	190.00		
11	154.00	358.00	931.00	246.00	1710.00	2926.00	6874.00	3346.00	799.00	172.00	246.00	214.00		
12	130.00	422.00	868.00	374.00	1790.00	2936.50	6848.00	3262.00	773.50	136.00	254.00	222.00		
13	112.00	454.00	807.50	595.00	1800.00	2978.50	6796.00	3178.00	773.50	118.00	246.00	198.00		
14	112.00	446.00	688.50	765.00	1800.00	3031.00	6744.00	3094.00	816.00	130.00	238.00	198.00		
15	130.00	422.00	578.00	886.00	1900.00	3052.00	6705.00	3010.00	850.00	142.00	198.00	178.00		
16	136.00	430.00	502.00	940.00	1950.00	3104.50	6666.00	2947.00	756.50	166.00	238.00	184.00		
17	166.00	470.00	438.00	976.00	1980.00	3146.50	6601.00	2852.50	603.50	178.00	238.00	222.00		
18	154.00	446.00	430.00	976.00	2080.00	3314.50	6510.00	2780.00	527.00	178.00	190.00	222.00		
19	154.00	486.00	470.00	958.00	2120.00	3461.50	6393.00	2690.00	478.00	160.00	190.00	222.00		
20	160.00	595.00	454.00	976.00	2350.00	3545.50	6263.00	2620.00	462.00	154.00	222.00	206.00		
21	154.00	680.00	422.00	1229.50	2630.00	3566.50	6120.00	2540.00	430.00	148.00	214.00	222.00		
22	148.00	671.50	398.00	1429.00	2650.00	3619.00	5945.00	2450.00	438.00	172.00	214.00	238.00		
23	136.00	612.00	350.00	1391.00	2610.00	3761.00	5798.00	2350.00	390.00	160.00	214.00	238.00		
24	112.00	603.50	302.00	1362.50	2580.00	3849.00	5654.00	2230.00	334.00	166.00	190.00	222.00		
25	124.00	646.00	246.00	1334.00	2570.00	3948.00	5526.50	2140.00	302.00	184.00	166.00	214.00		
26	154.00	595.00	230.00	1286.50	2580.00	4058.00	5367.00	2080.00	302.00	166.00	166.00	214.00		
27	178.00	603.50	198.00	1248.50	2650.00	4157.00	5224.00	2030.00	270.00	154.00	222.00	206.00		
28	166.00	671.50	166.00	1229.50	2690.00	4465.00	5070.00	1940.00	238.00	172.00	198.00	214.00		
29	172.00	561.00	198.00	1201.00	2760.00	5092.00	4916.00	1770.00	230.00	198.00		246.00		
30	166.00	414.00	214.00	1210.50	2780.00	5279.00	4773.00	1760.00	238.00	246.00		190.00		
31		390.00		1210.50	2750.00		4630.00		230.00	270.00		100.00		
Total	5114.00	14081.00	16395.00	23480.50	62356.50	100585.50	189471.00	90236.50	23775.50	5330.00	6304.00	6166.00	543295.50	CMSDAY
Mean	170.47	454.23	546.50	757.44	2011.50	3352.85	6111.97	3007.88	766.95	171.94	225.14	198.90	1488.48	CMS
Max	318.00	680.00	931.00	1429.00	2780.00	5279.00	6874.00	4476.00	1700.00	270.00	278.00	246.00	6874.00	CMS
Min	112.00	178.00	166.00	100.00	1229.50	2580.00	4630.00	1760.00	230.00	118.00	166.00	100.00	100.00	CMS
Runoff	441.85	1216.60	1416.53	2028.72	5387.60	8690.59	16370.29	7796.43	2054.20	460.51	544.67	532.74	46940.73	MCM
Momentary Peak	6874.00 CMS. at 113.38 m. (MSL.) at 24.00 Hours , on Oct 10, 2022													
Runoff Yield	12.79	Liters/Second/Square KM.			Momentary Peak Yield			59.08	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	1.60	16.40	24.90	286.00	16.40	16.40	2.40	0.00	0.00	
2	0.00	0.00	14.40	7.20	15.60	24.20	262.20	16.40	15.20	2.00	0.00	0.00	
3	0.00	0.00	18.40	12.80	16.80	22.10	246.80	16.40	14.00	2.00	0.00	0.00	
4	0.00	0.00	23.50	13.20	20.00	20.70	223.00	16.00	13.60	2.00	0.00	0.00	
5	0.00	0.00	36.80	12.40	25.60	21.40	190.00	15.60	13.20	2.00	0.00	0.00	
6	0.00	0.00	40.30	11.60	27.70	27.00	143.80	15.20	12.80	1.20	0.00	0.00	
7	0.00	0.00	32.60	12.40	24.90	28.40	99.80	14.80	12.40	0.80	0.00	0.00	
8	0.00	0.00	24.90	13.60	30.50	24.20	73.40	14.40	12.00	0.40	0.00	0.00	
9	0.00	0.00	19.60	14.80	34.70	26.30	57.40	14.00	11.60	0.40	0.00	0.00	
10	0.00	0.00	16.40	16.00	60.60	36.80	44.50	14.00	10.80	0.00	0.00	0.00	
11	0.00	0.00	14.40	17.20	89.40	38.20	32.60	13.20	10.80	0.00	0.00	0.00	
12	0.00	0.00	11.60	17.20	87.00	34.00	22.80	12.80	11.20	0.00	0.00	0.00	
13	0.00	0.00	10.80	18.00	63.00	27.70	20.00	12.80	11.20	0.00	0.00	0.00	
14	0.00	0.00	10.40	27.70	37.50	24.20	18.80	12.40	10.40	0.00	0.00	0.00	
15	0.00	0.00	11.20	31.20	32.60	24.20	22.10	12.40	10.40	0.00	0.00	0.00	
16	0.00	0.00	9.60	28.40	60.60	37.50	33.30	11.60	10.40	0.00	0.00	0.00	
17	0.00	0.00	8.80	25.60	71.00	46.60	35.40	11.60	10.00	0.00	0.00	0.00	
18	0.00	0.00	8.80	22.10	62.20	47.30	31.90	11.20	9.60	0.00	0.00	0.00	
19	0.00	0.00	8.80	19.20	55.80	42.40	27.70	11.20	9.60	0.00	0.00	0.00	
20	0.00	0.00	8.40	17.60	71.00	34.70	24.20	11.20	8.80	0.00	0.00	0.00	
21	0.00	0.00	8.40	17.60	131.80	30.50	21.40	10.80	8.00	0.00	0.00	0.00	
22	0.00	0.00	8.40	20.70	133.40	36.10	19.20	10.40	7.60	0.00	0.00	0.00	
23	0.00	0.00	7.60	24.90	118.20	64.60	19.20	10.80	6.80	0.00	0.00	0.00	
24	0.00	0.00	7.60	22.80	107.80	131.80	18.40	10.40	6.40	0.00	0.00	0.00	
25	0.00	0.00	7.20	19.60	99.00	176.80	18.00	10.80	5.60	0.00	0.00	0.00	
26	0.00	0.00	6.40	17.60	90.20	200.40	17.20	15.20	4.80	0.00	0.00	0.00	
27	0.00	0.00	5.20	16.40	80.60	216.00	16.00	21.40	4.40	0.00	0.00	0.00	
28	0.00	0.00	4.00	15.60	73.40	228.60	15.60	24.20	3.60	0.00	0.00	0.00	
29	0.00	0.00	2.80	14.80	55.80	263.60	16.00	20.70	3.20	0.00	0.00	0.00	
30	0.00	0.00	2.40	15.60	37.50	286.00	16.40	17.60	2.80	0.00	0.00	0.00	
31		0.00		16.40	27.00		16.40		2.80	0.00		0.00	
Total	0.00	0.00	389.70	541.80	1857.60	2247.20	2089.50	425.90	290.40	13.20	0.00	0.00	7855.30
Mean	0.00	0.00	12.99	17.48	59.92	74.91	67.40	14.20	9.37	0.43	0.00	0.00	21.52
Max	0.00	0.00	40.30	31.20	133.40	286.00	286.00	24.20	16.40	2.40	0.00	0.00	286.00
Min	0.00	0.00	0.00	1.60	15.60	20.70	15.60	10.40	2.80	0.00	0.00	0.00	0.00
Runoff	0.00	0.00	33.67	46.81	160.50	194.16	180.53	36.80	25.09	1.14	0.00	0.00	678.70
			</										

WATER YEAR : 2022**MUN RIVER BASIN****Lam Takhong at Ban Tha Maprang, Nakhon Ratchasima (M.43A)**

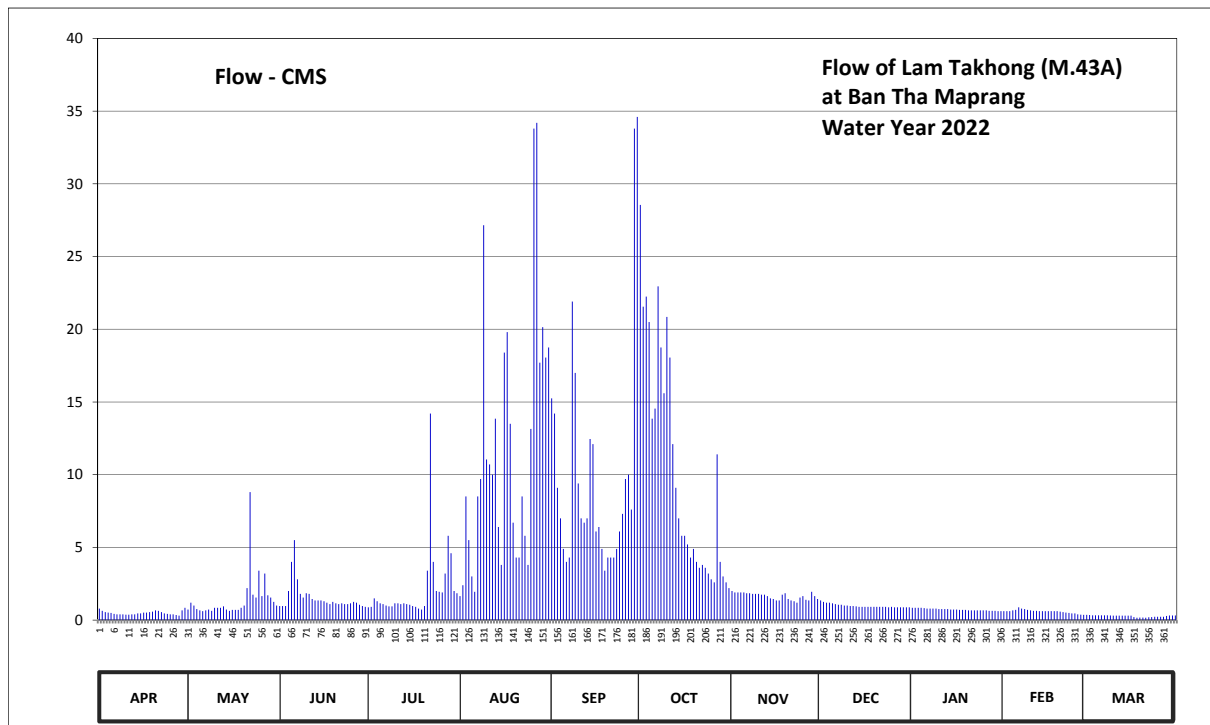
Lat 14 - 30 - 43 N Long 101 - 22 - 49 E

Location : on left bank about 2 kilometers downstream from M.43

	Ban Tha Maprang	Amphoe	Pak Chong	Changwat	Nakhon Ratchasima
Drainge Area	153 sq.km.				
Type of Gage	Water - stage recorder.				
Zero Gage at Bottom	+371.700 m. (MSL.)				
Bench Mark	B.M.-H.D.				
Location BM	On left bank downstream at the footpath of the bridge.			Elevation	+378.675 m. (MSL.)
Gage Reading Frequency	Recording				
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings				
Period of Available Gage Records	1989 to date				
Rating Operation					
Period of Rating	1989 to date				
Rated by Float	-				
Rated by Current Meter	1989 to date				
Stability of Channel Regimes	Stable.				
Overbank Flow Conditions	No overbank flow.				
General Description	Records good. The weir situated above gage site.				
	Stage-discharge relation defined by 34 discharge measurements made in 2022				

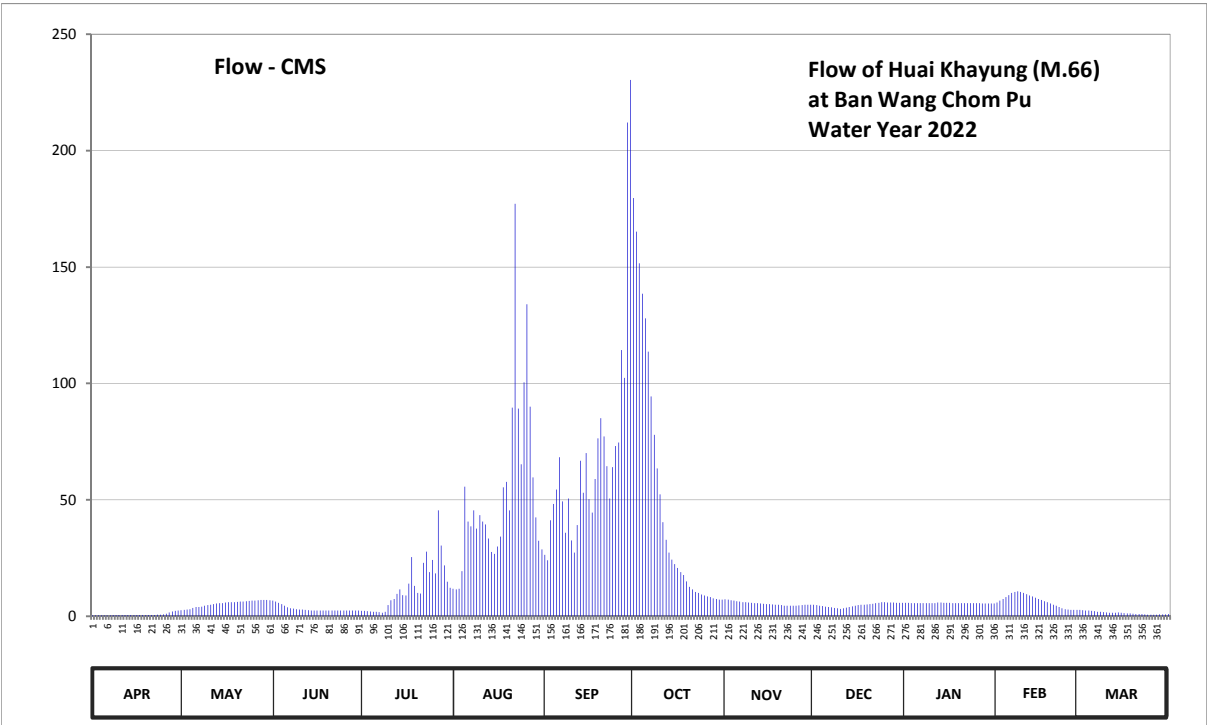
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	372.43	372.41	372.49	372.46	372.63	373.15	373.53	372.70	372.57	372.45	372.37	372.27	
2	372.38	372.54	372.49	372.47	372.72	373.12	373.33	372.68	372.55	372.45	372.37	372.26	
3	372.35	372.50	372.49	372.60	372.95	372.97	373.35	372.68	372.54	372.45	372.37	372.25	
4	372.34	372.42	372.70	372.56	372.85	372.90	373.30	372.68	372.54	372.45	372.39	372.25	
5	372.33	372.39	372.80	372.53	372.75	372.83	373.11	372.68	372.53	372.44	372.40	372.25	
6	372.31	372.37	372.85	372.52	372.69	372.80	373.13	372.67	372.52	372.43	372.46	372.25	
7	372.29	372.39	372.74	372.50	372.95	372.81	373.37	372.67	372.51	372.43	372.43	372.25	
8	372.29	372.41	372.66	372.48	372.99	373.34	373.25	372.66	372.51	372.43	372.42	372.25	
9	372.29	372.38	372.61	372.48	373.49	373.20	373.16	372.66	372.50	372.43	372.40	372.24	
10	372.28	372.45	372.67	372.53	373.03	372.98	373.31	372.66	372.50	372.42	372.39	372.23	
11	372.28	372.45	372.66	372.53	373.02	372.90	373.23	372.65	372.49	372.42	372.38	372.23	
12	372.30	372.45	372.59	372.52	373.00	372.89	373.06	372.65	372.49	372.42	372.38	372.23	
13	372.30	372.48	372.57	372.53	373.11	372.90	372.97	372.63	372.48	372.42	372.37	372.23	
14	372.32	372.41	372.57	372.52	372.88	373.07	372.90	372.60	372.47	372.41	372.37	372.23	
15	372.32	372.38	372.57	372.51	372.79	373.06	372.86	372.59	372.47	372.41	372.37	372.23	
16	372.34	372.40	372.56	372.49	373.24	372.87	372.86	372.57	372.47	372.41	372.37	372.23	
17	372.34	372.40	372.54	372.47	373.28	372.88	372.84	372.57	372.47	372.40	372.37	372.16	
18	372.35	372.40	372.52	372.43	373.10	372.83	372.81	372.65	372.47	372.40	372.37	372.12	
19	372.36	372.45	372.55	372.41	372.89	372.77	372.83	372.67	372.47	372.40	372.37	372.13	
20	372.39	372.50	372.53	372.49	372.81	372.81	372.80	372.59	372.47	372.39	372.36	372.13	
21	372.38	372.71	372.52	372.77	372.81	372.81	372.78	372.57	372.47	372.39	372.35	372.12	
22	372.35	372.96	372.53	373.12	372.95	372.81	372.79	372.56	372.47	372.39	372.34	372.15	
23	372.32	372.65	372.52	372.80	372.86	372.83	372.78	372.54	372.47	372.39	372.33	372.16	
24	372.31	372.61	372.52	372.70	372.79	372.87	372.76	372.61	372.46	372.39	372.32	372.17	
25	372.30	372.77	372.53	372.69	373.09	372.91	372.74	372.63	372.47	372.39	372.32	372.17	
26	372.29	372.63	372.55	372.68	373.67	372.99	372.73	372.58	372.46	372.39	372.30	372.17	
27	372.26	372.76	372.54	372.76	373.68	373.00	373.04	372.57	372.46	372.38	372.28	372.17	
28	372.23	372.64	372.51	372.86	373.22	372.92	372.80	372.69	372.46	372.38	372.27	372.21	
29	372.39	372.61	372.49	372.82	373.29	373.67	372.75	372.63	372.46	372.38		372.24	
30	372.45	372.55	372.47	372.70	373.23	373.69	372.73	372.59	372.46	372.37		372.24	
31		372.50		372.67	373.25		372.71		372.46	372.37		372.24	
Mean	372.33	372.52	372.58	372.60	373.03	372.99	372.99	372.63	372.49	372.41	372.36	372.21	
Max	372.45	372.96	372.85	373.12	373.68	373.69	373.53	372.70	372.57	372.45	372.46	372.27	373.69
Min	372.23	372.37	372.47	372.41	372.63	372.77	372.71	372.54	372.46	372.37	372.27	372.12	372.12
Annual Max Momentary Gage Height	374.55		m. (MSL.) ,				at 01.00 Hours , on Aug 27, 2022						
Zero Gage at Bottom Elevation	371.70		m. (MSL.) ,			River Bed	371.83	m. (MSL.)					
Left Bank Elevation		378.34		m. (MSL.) ,									
Right Bank Elevation		378.30		m. (MSL.) ,		Drainage Are	153	Square Kilometers					



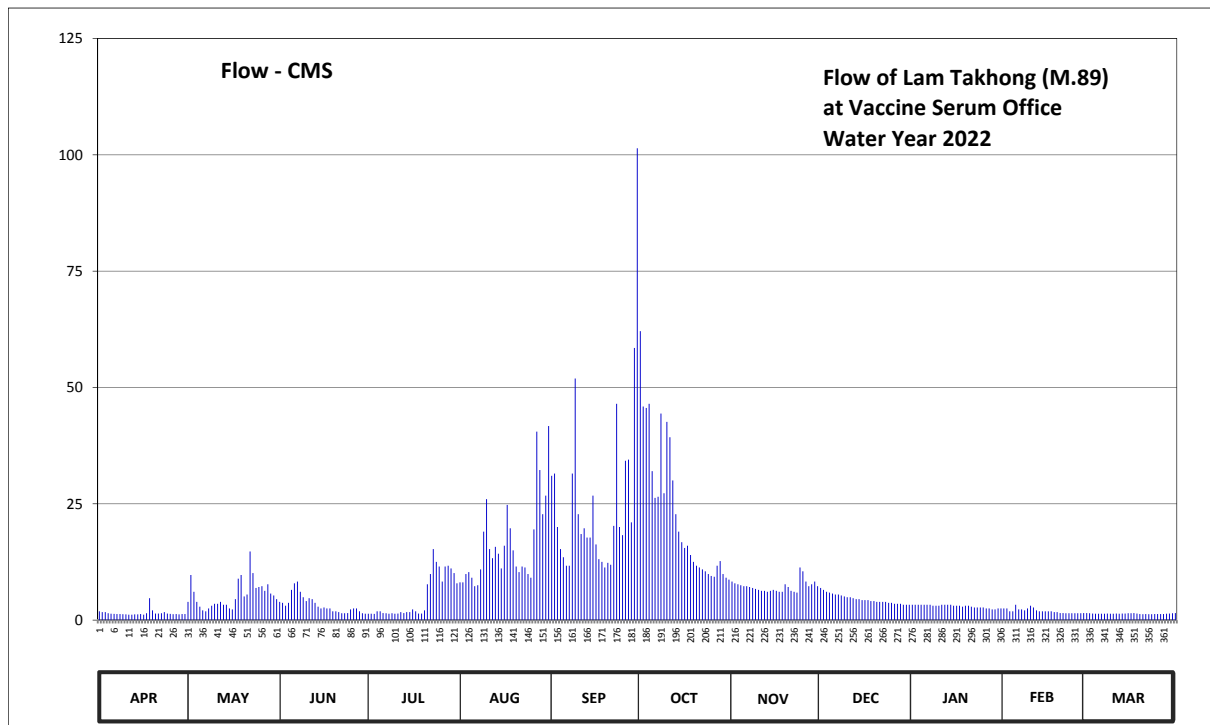
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.79	0.73	0.97	0.88	1.65	15.25	28.55	2.00	1.35	0.85	0.61	0.36		
2	0.64	1.20	0.97	0.91	2.40	14.20	21.55	1.90	1.25	0.85	0.61	0.35		
3	0.55	1.00	0.97	1.50	8.50	9.10	22.25	1.90	1.20	0.85	0.61	0.33		
4	0.52	0.76	2.00	1.30	5.50	7.00	20.50	1.90	1.20	0.85	0.67	0.33		
5	0.49	0.67	4.00	1.15	3.00	4.90	13.85	1.90	1.15	0.82	0.70	0.33		
6	0.43	0.61	5.50	1.10	1.95	4.00	14.55	1.85	1.10	0.79	0.88	0.33		
7	0.39	0.67	2.80	1.00	8.50	4.30	22.95	1.85	1.05	0.79	0.79	0.33		
8	0.39	0.73	1.80	0.94	9.70	21.90	18.75	1.80	1.05	0.79	0.76	0.33		
9	0.39	0.64	1.55	0.94	27.15	17.00	15.60	1.80	1.00	0.79	0.70	0.32		
10	0.37	0.85	1.85	1.15	11.05	9.40	20.85	1.80	1.00	0.76	0.67	0.31		
11	0.37	0.85	1.80	1.15	10.70	7.00	18.05	1.75	0.97	0.76	0.64	0.31		
12	0.40	0.85	1.45	1.10	10.00	6.70	12.10	1.75	0.97	0.76	0.64	0.31		
13	0.40	0.94	1.35	1.15	13.85	7.00	9.10	1.65	0.94	0.76	0.61	0.31		
14	0.46	0.73	1.35	1.10	6.40	12.45	7.00	1.50	0.91	0.73	0.61	0.31		
15	0.46	0.64	1.35	1.05	3.80	12.10	5.80	1.45	0.91	0.73	0.61	0.31		
16	0.52	0.70	1.30	0.97	18.40	6.10	5.80	1.35	0.91	0.73	0.61	0.31		
17	0.52	0.70	1.20	0.91	19.80	6.40	5.20	1.35	0.91	0.70	0.61	0.21		
18	0.55	0.70	1.10	0.79	13.50	4.90	4.30	1.75	0.91	0.70	0.61	0.16		
19	0.58	0.85	1.25	0.73	6.70	3.40	4.90	1.85	0.91	0.70	0.61	0.17		
20	0.67	1.00	1.15	0.97	4.30	4.30	4.00	1.45	0.91	0.67	0.58	0.17		
21	0.64	2.20	1.10	3.40	4.30	4.30	3.60	1.35	0.91	0.67	0.55	0.16		
22	0.55	8.80	1.15	14.20	8.50	4.30	3.80	1.30	0.91	0.67	0.52	0.20		
23	0.46	1.75	1.10	4.00	5.80	4.90	3.60	1.20	0.91	0.67	0.49	0.21		
24	0.43	1.55	1.10	2.00	3.80	6.10	3.20	1.55	0.88	0.67	0.46	0.23		
25	0.40	3.40	1.15	1.95	13.15	7.30	2.80	1.65	0.91	0.67	0.46	0.23		
26	0.39	1.65	1.25	1.90	33.80	9.70	2.60	1.40	0.88	0.67	0.40	0.23		
27	0.35	3.20	1.20	3.20	34.20	10.00	11.40	1.35	0.88	0.64	0.37	0.23		
28	0.31	1.70	1.05	5.80	17.70	7.60	4.00	1.95	0.88	0.64	0.36	0.28		
29	0.67	1.55	0.97	4.60	20.15	33.80	3.00	1.65	0.88	0.64		0.32		
30	0.85	1.25	0.91	2.00	18.05	34.60	2.60	1.45	0.88	0.61		0.32		
31		1.00		1.85	18.75		2.20		0.88	0.61		0.32		
Total	14.94	43.87	46.69	65.69	365.05	300.00	318.45	49.40	30.40	22.54	16.74	8.62	1282.39	CMSDAY
Mean	0.50	1.42	1.56	2.12	11.78	10.00	10.27	1.65	0.98	0.73	0.60	0.28	3.51	CMS
Max	0.85	8.80	5.50	14.20	34.20	34.60	28.55	2.00	1.35	0.85	0.88	0.36	34.60	CMS
Min	0.31	0.61	0.91	0.73	1.65	3.40	2.20	1.20	0.88	0.61	0.36	0.16	0.16	CMS
Runoff	1.29	3.79	4.03	5.68	31.54	25.92	27.51	4.27	2.63	1.95	1.45	0.74	110.80	MCM
Momentary Peak	CMS. at 374.55 m. (MSL.) at 01.00 Hours , on Aug 27, 2022													
Runoff Yield	22.96	Liters/Second/Square KM.			Momentary Peak Yield			450.98	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.50	2.60	6.80	2.40	11.90	26.40	179.60	7.30	4.90	5.80	5.90	2.75	
2	0.50	2.75	6.30	2.30	11.60	24.00	165.20	7.10	4.80	5.80	6.70	2.60	
3	0.50	2.90	5.80	2.20	11.90	41.30	151.65	6.90	4.60	5.70	7.50	2.50	
4	0.50	3.10	5.20	2.10	19.40	48.20	138.50	6.70	4.40	5.70	8.30	2.45	
5	0.50	3.60	4.60	2.00	55.70	54.50	128.00	6.50	4.20	5.70	9.10	2.35	
6	0.50	4.00	3.90	1.90	40.70	68.30	113.60	6.30	4.00	5.70	10.00	2.20	
7	0.50	4.00	3.50	1.75	38.60	49.40	94.40	6.10	3.80	5.60	10.50	2.00	
8	0.53	4.20	3.30	1.60	45.50	35.90	77.90	6.00	3.60	5.60	10.80	1.90	
9	0.53	4.50	3.10	1.90	37.70	50.60	63.50	5.90	3.40	5.60	10.50	1.75	
10	0.53	4.80	2.95	4.80	43.40	32.60	52.40	5.80	3.20	5.60	10.00	1.65	
11	0.53	5.00	2.85	6.90	40.70	27.40	40.40	5.70	3.40	5.70	9.50	1.60	
12	0.53	5.30	2.75	7.40	39.50	39.20	32.80	5.60	3.70	5.90	9.00	1.55	
13	0.53	5.50	2.65	9.70	33.40	66.80	27.40	5.50	4.00	5.90	8.50	1.60	
14	0.53	5.60	2.55	11.60	27.60	53.00	24.40	5.40	4.30	5.80	8.00	1.65	
15	0.53	5.70	2.55	9.10	26.80	70.10	22.40	5.30	4.60	5.80	7.50	1.50	
16	0.55	5.90	2.50	8.90	30.00	50.30	20.80	5.20	4.80	5.80	7.00	1.40	
17	0.55	6.00	2.50	14.10	34.20	44.60	19.00	5.10	4.90	5.70	6.50	1.30	
18	0.55	6.00	2.50	25.40	55.40	59.00	17.80	5.00	5.00	5.70	6.00	1.25	
19	0.55	6.10	2.50	13.10	57.80	76.40	15.00	4.90	5.10	5.70	5.50	1.15	
20	0.55	6.20	2.50	10.00	45.50	85.10	12.60	4.80	5.20	5.70	5.00	1.00	
21	0.58	6.30	2.50	9.80	89.60	77.30	11.50	4.60	5.40	5.60	4.50	0.98	
22	0.58	6.40	2.50	23.00	177.20	64.40	10.50	4.50	5.60	5.60	4.00	0.93	
23	0.65	6.50	2.50	27.80	89.20	50.60	10.00	4.50	5.80	5.60	3.40	0.85	
24	0.75	6.60	2.50	19.00	65.30	64.10	9.40	4.60	6.00	5.60	3.00	0.75	
25	0.85	6.70	2.50	24.20	100.40	73.10	9.00	4.60	6.00	5.60	2.90	0.73	
26	1.15	6.80	2.50	18.40	134.00	74.60	8.50	4.70	5.90	5.60	2.80	0.65	
27	1.65	6.90	2.50	45.50	90.00	114.40	8.20	4.80	5.90	5.50	2.80	0.75	
28	2.10	7.00	2.50	30.40	59.60	102.40	7.70	4.90	5.90	5.50	2.80	0.83	
29	2.40	7.00	2.50	21.80	42.50	212.10	7.40	5.00	5.80	5.50		0.88	
30	2.55	7.00	2.50	14.80	32.40	230.30	7.20	5.00	5.80	5.50		0.88	
31		6.90		12.30	28.80		7.20		5.80	5.50		0.93	
Total	23.75	167.85	96.30	386.15	1616.30	2066.40	1493.95	164.30	149.80	175.60	188.00	45.31	6573.71 CMSDAY
Mean	0.79	5.41	3.21	12.46	52.14	68.88	48.19	5.48	4.83	5.66	6.71	1.46	18.01 CMS
Max	2.55	7.00	6.80	45.50	177.20	230.30	179.60	7.30	6.00	5.90	10.80	2.75	230.30 CMS
Min	0.50	2.60	2.50	1.60	11.60	24.00	7.20	4.50	3.20	5.50	2.80	0.65	0.50 CMS
Runoff	2.05	14.50	8.32	33.36	139.65	178.54	129.08	14.20	12.94	15.17	16.24	3.91	567.97 MCM
Momentary Peak	253.40 CMS. at 149.82 m. (MSL.) at 03.00 Hours , on Sep 30, 2022												
Runoff Yield	32.69	Liters/Second/Square KM.			Momentary Peak Yield 459.89			Liters/Second/Square KM.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	292.82	292.92	292.92	292.77	293.13	294.10	295.17	293.14	293.07	292.89	292.85	292.80	
2	292.81	293.21	292.91	292.77	293.13	294.12	294.63	293.12	293.05	292.89	292.85	292.79	
3	292.81	293.03	292.88	292.76	293.22	293.66	294.62	293.11	293.03	292.89	292.82	292.78	
4	292.79	292.92	292.91	292.82	293.24	293.47	294.65	293.10	293.02	292.89	292.82	292.77	
5	292.77	292.87	293.05	292.82	293.18	293.40	294.14	293.09	293.01	292.89	292.89	292.77	
6	292.76	292.83	293.12	292.80	293.09	293.31	293.91	293.09	293.00	292.89	292.84	292.77	
7	292.75	292.82	293.14	292.79	293.10	293.31	293.92	293.08	293.00	292.89	292.84	292.77	
8	292.75	292.85	293.03	292.77	293.27	294.12	294.58	293.07	292.99	292.88	292.83	292.78	
9	292.74	292.88	292.97	292.79	293.62	294.83	293.95	293.06	292.98	292.88	292.85	292.77	
10	292.73	292.90	292.93	292.77	293.90	293.77	294.52	293.05	292.97	292.88	292.88	292.77	
11	292.72	292.90	292.96	292.78	293.47	293.60	294.41	293.04	292.97	292.89	292.86	292.78	
12	292.72	292.92	292.95	292.81	293.39	293.65	294.06	293.04	292.96	292.89	292.83	292.77	
13	292.73	292.89	292.91	292.80	293.49	293.57	293.77	293.03	292.95	292.89	292.82	292.78	
14	292.73	292.89	292.87	292.81	293.43	293.57	293.62	293.04	292.95	292.89	292.82	292.78	
15	292.75	292.85	292.85	292.81	293.28	293.93	293.53	293.05	292.94	292.88	292.82	292.79	
16	292.72	292.84	292.86	292.84	293.50	293.51	293.48	293.04	292.94	292.88	292.82	292.79	
17	292.79	292.95	292.85	292.82	293.85	293.38	293.50	293.03	292.94	292.88	292.82	292.80	
18	292.96	293.17	292.85	292.78	293.65	293.35	293.42	293.03	292.93	292.87	292.81	292.78	
19	292.83	293.21	292.82	292.78	293.46	293.29	293.35	293.11	292.93	292.88	292.81	292.75	
20	292.78	292.98	292.82	292.83	293.30	293.34	293.31	293.08	292.92	292.88	292.80	292.74	
21	292.78	293.00	292.81	293.11	293.24	293.32	293.29	293.04	292.92	292.87	292.80	292.75	
22	292.79	293.45	292.79	293.22	293.30	293.67	293.27	293.03	292.92	292.86	292.79	292.74	
23	292.81	293.23	292.79	293.47	293.29	294.65	293.25	293.02	292.92	292.86	292.79	292.74	
24	292.78	293.07	292.80	293.35	293.22	293.66	293.22	293.29	292.91	292.86	292.79	292.75	
25	292.76	293.08	292.84	293.30	293.18	293.59	293.20	293.25	292.91	292.86	292.79	292.75	
26	292.74	293.09	292.85	293.14	293.64	294.23	293.19	293.14	292.90	292.85	292.79	292.75	
27	292.75	293.04	292.85	293.30	294.45	294.24	293.31	293.09	292.90	292.85	292.79	292.75	
28	292.73	293.11	292.82	293.31	294.15	293.70	293.36	293.11	292.90	292.84	292.80	292.77	
29	292.75	293.01	292.79	293.28	293.77	295.05	293.22	293.14	292.89	292.84		292.78	
30	292.75	292.99	292.77	293.23	293.93	296.48	293.18	293.09	292.89	292.85		292.79	
31		292.95		293.12	294.49		293.16		292.89	292.85		292.80	
Mean	292.77	293.00	292.89	292.96	293.50	293.86	293.75	293.09	292.95	292.87	292.82	292.77	
Max	292.96	293.45	293.14	293.47	294.49	296.48	295.17	293.29	293.07	292.89	292.89	292.80	296.48
Min	292.72	292.82	292.77	292.76	293.09	293.29	293.16	293.02	292.89	292.84	292.79	292.74	292.72
Annual Max Momentary Gage Height	296.77		m. (MSL.) , at 05.00 Hours , on Sep 30, 2022										
Zero Gage at Bottom Elevation	290.90		m. (MSL.) , River Bed 291.26 m. (MSL.)										
Left Bank Elevation	299.99		m. (MSL.) ,										
Right Bank Elevation	299.98		m. (MSL.) , Drainage Are 680 Square Kilometers										



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.90	3.90	3.90	1.38	8.10	31.00	62.10	8.30	6.90	3.30	2.50	1.50		
2	1.70	9.70	3.70	1.38	8.10	31.50	45.90	7.90	6.50	3.30	2.50	1.46		
3	1.70	6.10	3.10	1.34	9.90	20.00	45.60	7.70	6.10	3.30	1.90	1.42		
4	1.46	3.90	3.70	1.90	10.30	15.25	46.50	7.50	5.90	3.30	1.90	1.38		
5	1.38	2.90	6.50	1.90	9.10	13.50	32.00	7.30	5.70	3.30	3.30	1.38		
6	1.34	2.10	7.90	1.50	7.30	11.70	26.25	7.30	5.50	3.30	2.30	1.38		
7	1.30	1.90	8.30	1.46	7.50	11.70	26.50	7.10	5.50	3.30	2.30	1.38		
8	1.30	2.50	6.10	1.38	10.90	31.50	44.40	6.90	5.30	3.10	2.10	1.42		
9	1.26	3.10	4.90	1.46	19.00	51.90	27.25	6.70	5.10	3.10	2.50	1.38		
10	1.22	3.50	4.10	1.38	26.00	22.75	42.60	6.50	4.90	3.10	3.10	1.38		
11	1.18	3.50	4.70	1.42	15.25	18.50	39.30	6.30	4.90	3.30	2.70	1.42		
12	1.18	3.90	4.50	1.70	13.30	19.75	30.00	6.30	4.70	3.30	2.10	1.38		
13	1.22	3.30	3.70	1.50	15.75	17.75	22.75	6.10	4.50	3.30	1.90	1.42		
14	1.22	3.30	2.90	1.70	14.25	17.75	19.00	6.30	4.50	3.30	1.90	1.42		
15	1.30	2.50	2.50	1.70	11.10	26.75	16.75	6.50	4.30	3.10	1.90	1.46		
16	1.18	2.30	2.70	2.30	16.00	16.25	15.50	6.30	4.30	3.10	1.90	1.46		
17	1.46	4.50	2.50	1.90	24.75	13.10	16.00	6.10	4.30	3.10	1.90	1.50		
18	4.70	8.90	2.50	1.42	19.75	12.50	14.00	6.10	4.10	2.90	1.70	1.42		
19	2.10	9.70	1.90	1.42	15.00	11.30	12.50	7.70	4.10	3.10	1.70	1.30		
20	1.42	5.10	1.90	2.10	11.50	12.30	11.70	7.10	3.90	3.10	1.50	1.26		
21	1.42	5.50	1.70	7.70	10.30	11.90	11.30	6.30	3.90	2.90	1.50	1.30		
22	1.46	14.75	1.46	9.90	11.50	20.25	10.90	6.10	3.90	2.70	1.46	1.26		
23	1.70	10.10	1.46	15.25	11.30	46.50	10.50	5.90	3.90	2.70	1.46	1.26		
24	1.42	6.90	1.50	12.50	9.90	20.00	9.90	11.30	3.70	2.70	1.46	1.30		
25	1.34	7.10	2.30	11.50	9.10	18.25	9.50	10.50	3.70	2.70	1.46	1.30		
26	1.26	7.30	2.50	8.30	19.50	34.25	9.30	8.30	3.50	2.50	1.46	1.30		
27	1.30	6.30	2.50	11.50	40.50	34.50	11.70	7.30	3.50	2.50	1.46	1.30		
28	1.22	7.70	1.90	11.70	32.25	21.00	12.70	7.70	3.50	2.30	1.50	1.38		
29	1.30	5.70	1.46	11.10	22.75	58.50	9.90	8.30	3.30	2.30		1.42		
30	1.30	5.30	1.38	10.10	26.75	101.40	9.10	7.30	3.30	2.50		1.46		
31		4.50		7.90	41.70		8.70		3.30	2.50		1.50		
Total	45.24	167.75	100.16	149.69	508.40	773.30	710.10	217.00	140.50	92.30	55.36	42.90	3002.70	CMSDAY
Mean	1.51	5.41	3.34	4.83	16.40	25.78	22.91	7.23	4.53	2.98	1.98	1.38	8.23	CMS
Max	4.70	14.75	8.30	15.25	41.70	101.40	62.10	11.30	6.90	3.30	3.30	1.50	101.40	CMS
Min	1.18	1.90	1.38	1.34	7.30	11.30	8.70	5.90	3.30	2.30	1.46	1.26	1.18	CMS
Runoff	3.91	14.49	8.65	12.93	43.93	66.81	61.35	18.75	12.14	7.97	4.78	3.71	259.43	MCM
Momentary Peak	110.10 CMS. at 296.77 m. (MSL.) at 05.00 Hours , on Sep 30, 2022													
Runoff Yield	12.10	Liters/Second/Square KM.			Momentary Peak Yield			161.91	Liters/Second/Square KM.					

WATER YEAR : 2022**MUN RIVER BASIN****Lam Sieo Yai at Ban Ku, Roi Et. (M.95A)**

Lat 15 - 35 - 12 N Long 103 - 47 - 21 E

Location : on left bank at the bridge on Highway.

	Ban Ku	Amphoe Suwannaphum	Changwat Roi Et
Drainage Area	3,153 sq.km.		
Type of Gage	Staff gage		
Zero Gage at Bottom	+115.800 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank near the gage site.	Elevation	+124.105 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00 ,09.00, 12.00,15.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic means of 5 readings		
Period of Available Gage Records	1978 - 1989, 2005 to date		
Rating Operation			
Period of Rating	1978 - 1989, 2005 to date		
Rated by Float	-		
Rated by Current Meter	1978 - 1989, 2005 to date		
Stability of Channel Regimes	Stable because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 23 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	119.87	119.75	119.88	119.73	120.58	121.87	122.35	122.01	121.14	120.52	120.41	120.13	
2	119.88	119.73	119.89	119.72	120.56	121.87	122.39	121.97	121.09	120.52	120.40	120.12	
3	119.91	119.73	119.91	119.71	120.80	121.84	122.45	121.85	121.04	120.50	120.40	120.10	
4	119.90	119.72	119.95	119.69	121.11	121.86	122.50	121.60	120.99	120.50	120.39	120.09	
5	119.90	119.72	119.95	119.68	121.14	121.86	122.53	121.47	120.95	120.50	120.38	120.08	
6	119.90	119.71	119.95	119.68	121.07	121.85	122.56	121.29	120.90	120.50	120.38	120.06	
7	119.89	119.70	119.94	119.67	121.06	121.87	122.60	121.09	120.86	120.50	120.37	120.05	
8	119.88	119.71	119.94	119.66	121.05	121.93	122.65	121.03	120.82	120.48	120.37	120.04	
9	119.88	119.72	119.93	119.67	121.00	121.98	122.67	121.14	120.80	120.48	120.36	120.02	
10	119.87	119.73	119.92	119.67	121.00	122.01	122.68	121.24	120.78	120.48	120.35	120.02	
11	119.87	119.74	119.91	119.76	120.96	122.07	122.68	121.33	120.74	120.48	120.34	120.01	
12	119.86	119.74	119.90	119.83	120.96	122.12	122.69	121.25	120.79	120.48	120.33	120.00	
13	119.86	119.75	119.89	119.86	121.02	122.15	122.70	121.20	120.82	120.46	120.33	119.98	
14	119.86	119.75	119.89	119.85	121.01	122.18	122.72	121.15	120.84	120.46	120.32	119.97	
15	119.86	119.74	119.88	119.84	120.83	122.18	122.75	121.11	120.82	120.46	120.31	119.96	
16	119.85	119.74	119.87	119.84	120.91	122.19	122.75	121.06	120.80	120.47	120.29	119.95	
17	119.84	119.79	119.87	119.84	121.07	122.21	122.75	121.05	120.79	120.48	120.28	119.94	
18	119.84	119.79	119.85	119.83	121.11	122.24	122.74	121.04	120.76	120.49	120.27	119.92	
19	119.83	119.80	119.84	119.81	121.11	122.24	122.72	120.97	120.73	120.50	120.26	119.91	
20	119.82	119.80	119.83	119.82	121.17	122.25	122.69	120.89	120.72	120.49	120.25	119.90	
21	119.81	119.81	119.82	119.88	121.26	122.25	122.67	120.86	120.70	120.48	120.23	119.89	
22	119.80	119.81	119.81	119.91	121.32	122.24	122.62	120.93	120.68	120.47	120.22	119.88	
23	119.80	119.85	119.81	119.92	121.47	122.22	122.58	120.99	120.65	120.47	120.21	119.86	
24	119.79	119.86	119.80	119.93	121.53	122.21	122.54	121.00	120.60	120.46	120.20	119.85	
25	119.78	119.86	119.78	119.93	121.62	122.19	122.49	120.99	120.58	120.48	120.18	119.83	
26	119.76	119.86	119.77	119.94	121.68	122.21	122.44	120.99	120.56	120.47	120.16	119.82	
27	119.76	119.86	119.77	120.34	121.71	122.20	122.39	121.01	120.56	120.46	120.15	119.81	
28	119.75	119.86	119.76	120.62	121.81	122.22	122.32	121.13	120.55	120.45	120.14	119.81	
29	119.75	119.85	119.75	120.85	121.85	122.28	122.24	121.25	120.55	120.44		119.81	
30	119.75	119.85	119.74	120.87	121.86	122.32	122.15	121.27	120.54	120.43		119.80	
31		119.84		120.72	121.87		122.06		120.54	120.42		119.79	
Mean	119.84	119.78	119.86	119.94	121.21	122.10	122.55	121.21	120.76	120.48	120.30	119.95	
Max	119.91	119.86	119.95	120.87	121.87	122.32	122.75	122.01	121.14	120.52	120.41	120.13	122.75
Min	119.75	119.70	119.74	119.66	120.56	121.84	122.06	120.86	120.54	120.42	120.14	119.79	119.66
Annual Max Momentary Gage Height	122.75	m. (MSL.) ,		at 06.00 Hours , on Oct 15, 2022									
Zero Gage at Bottom Elevation	115.80	m. (MSL.) ,		River Bed		115.75	m. (MSL.)						
Left Bank Elevation	123.89	m. (MSL.) ,											
Right Bank Elevation	123.90	m. (MSL.) ,		Drainage Are		3,153	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	15.40	73.68	99.25	81.03	37.80	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	14.80	73.68	101.45	78.93	35.55	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	23.00	72.10	104.75	72.63	33.30	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	36.45	73.15	107.50	60.00	31.05	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	37.80	73.15	109.15	53.50	29.25	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	34.65	72.63	110.80	44.55	27.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	34.20	73.68	113.00	35.55	25.40	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	33.75	76.83	115.75	32.85	23.80	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	31.50	79.45	116.85	37.80	23.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	31.50	81.03	117.40	42.30	22.20	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	29.70	84.18	117.40	46.50	20.60	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	29.70	86.80	117.95	42.75	22.60	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	32.40	88.38	118.50	40.50	23.80	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	31.95	89.95	119.60	38.25	24.60	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	24.20	89.95	121.25	36.45	23.80	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	27.45	90.48	121.25	34.20	23.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	34.65	91.55	121.25	33.75	22.60	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	36.45	93.20	120.70	33.30	21.40	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	36.45	93.20	119.60	30.15	20.20	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	39.15	93.75	117.95	26.60	19.80	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	43.20	93.75	116.85	25.40	19.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	46.00	93.20	114.10	28.35	18.40	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	53.50	92.10	111.90	31.05	17.50	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	56.50	91.55	109.70	31.50	16.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	61.00	90.48	106.95	31.05	15.40	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	64.00	91.55	104.20	31.05	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	8.50	65.50	91.00	101.45	31.95	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	16.60	70.53	92.10	97.60	37.35	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	25.00	72.63	95.40	93.20	42.75	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	25.80	73.15	97.60	88.38	43.65	0.00	0.00	0.00	0.00	
31		0.00		19.80	73.68		83.65		0.00	0.00		0.00	
Total	0.00	0.00	0.00	95.70	1294.								

WATER YEAR : 2022**MUN RIVER BASIN****Huai Ta Thieo at Ban Na Hai, Ubon Ratchathani (M.127)**

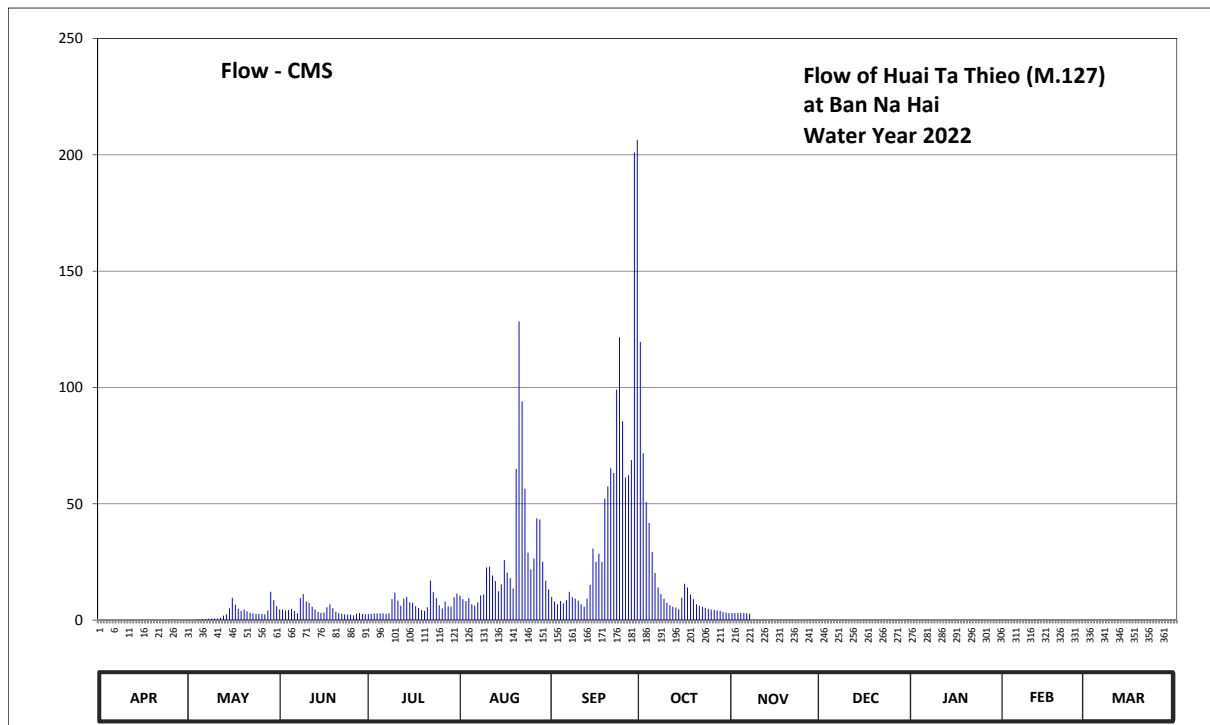
Lat 15 - 38 - 42 N Long 104 - 55 - 43 E

Location : on left bank at the bridge on road.

	Ban	Na Hai	Amphoe	Trakan Phutphon	Changwat	Ubon Ratchathani
Drainge Area	425	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+115.300 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank downstream side at the abutment of the bridge.					Elevation +126.877 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00 ,09.00, 12.00,15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1984 to date					
Rating Operation						
Period of Rating	1987 to date					
Rated by Float	-					
Rated by Current Meter	1987 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. The weir situated about 300 meters downstream from the gage site. Stage-discharge relation defined by 31 discharge measurements made in 2022.					

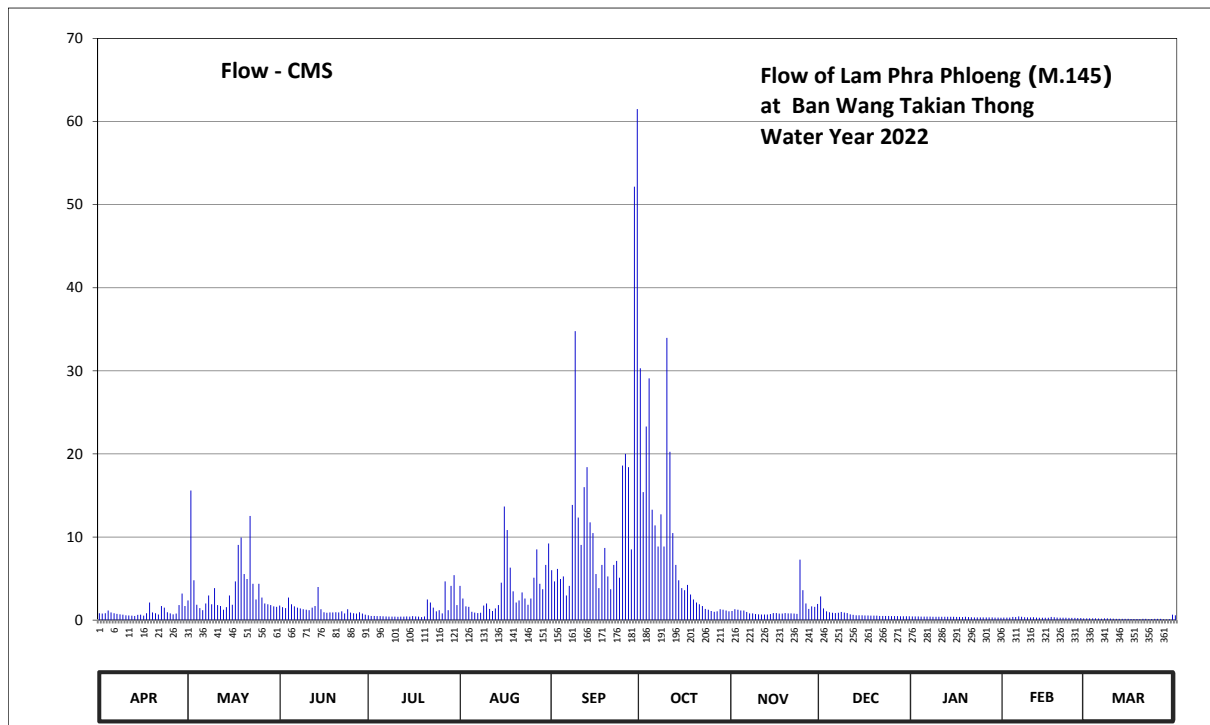
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	116.24	116.14	116.96	116.71	117.33	117.30	121.39	116.80	116.68	116.62	116.54	116.42	
2	116.25	116.18	116.95	116.73	117.25	117.20	119.90	116.80	116.70	116.61	116.54	116.40	
3	116.25	116.20	116.92	116.76	117.21	117.14	119.07	116.80	116.72	116.60	116.53	116.38	
4	116.26	116.23	116.93	116.77	117.27	117.21	118.71	116.80	116.71	116.60	116.53	116.37	
5	116.26	116.26	116.98	116.78	117.14	117.16	118.21	116.80	116.71	116.59	116.53	116.36	
6	116.26	116.28	116.89	116.77	117.11	117.23	117.81	116.79	116.68	116.59	116.52	116.34	
7	116.26	116.29	116.79	116.74	117.18	117.41	117.50	116.75	116.67	116.60	116.52	116.34	
8	116.26	116.32	117.27	116.79	117.33	117.29	117.36	116.74	116.65	116.60	116.52	116.34	
9	116.25	116.34	117.36	117.25	117.35	117.26	117.26	116.73	116.65	116.60	116.51	116.33	
10	116.24	116.34	117.20	117.39	117.93	117.22	117.17	116.73	116.64	116.60	116.51	116.33	
11	116.22	116.34	117.17	117.22	117.95	117.14	117.12	116.73	116.64	116.60	116.51	116.32	
12	116.20	116.38	117.08	117.11	117.76	117.08	117.08	116.72	116.64	116.61	116.50	116.32	
13	116.20	116.58	116.96	117.26	117.64	117.26	117.04	116.72	116.63	116.61	116.50	116.32	
14	116.20	116.69	116.86	117.30	117.42	117.56	116.97	116.72	116.64	116.61	116.49	116.32	
15	116.20	117.01	116.81	117.18	117.57	118.27	117.28	116.72	116.64	116.60	116.49	116.31	
16	116.19	117.28	116.82	117.17	118.07	118.04	117.58	116.71	116.64	116.60	116.48	116.30	
17	116.19	117.13	117.05	117.10	117.82	118.18	117.50	116.71	116.63	116.60	116.47	116.30	
18	116.18	116.98	117.14	117.02	117.70	118.04	117.35	116.71	116.63	116.60	116.47	116.29	
19	116.18	116.90	117.01	116.93	117.48	119.13	117.25	116.71	116.62	116.60	116.46	116.29	
20	116.18	116.96	116.86	116.89	119.64	119.34	117.14	116.70	116.62	116.59	116.46	116.29	
21	116.17	116.88	116.79	117.05	121.61	119.65	117.11	116.70	116.63	116.59	116.45	116.27	
22	116.17	116.81	116.73	117.65	120.70	119.57	117.07	116.69	116.63	116.59	116.45	116.27	
23	116.17	116.78	116.70	117.40	119.30	120.87	117.03	116.69	116.63	116.58	116.45	116.26	
24	116.16	116.73	116.68	117.27	118.20	121.44	116.98	116.69	116.64	116.58	116.44	116.25	
25	116.15	116.73	116.67	117.12	117.89	120.40	116.95	116.69	116.64	116.57	116.44	116.25	
26	116.15	116.72	116.61	117.00	118.10	119.49	116.93	116.67	116.64	116.56	116.44	116.24	
27	116.15	116.70	116.75	117.20	118.79	119.53	116.92	116.66	116.64	116.56	116.43	116.24	
28	116.14	116.91	116.80	117.09	118.77	119.79	116.90	116.66	116.64	116.55	116.43	116.24	
29	116.14	117.41	116.74	117.08	118.04	123.00	116.84	116.65	116.64	116.55		116.24	
30	116.14	117.23	116.71	117.29	117.65	123.09	116.82	116.65	116.63	116.54		116.24	
31		117.10		117.37	117.46		116.80		116.63	116.54		116.24	
Mean	116.20	116.67	116.91	117.08	118.02	118.64	117.52	116.72	116.65	116.59	116.49	116.30	
Max	116.26	117.41	117.36	117.65	121.61	123.09	121.39	116.80	116.72	116.62	116.54	116.42	123.09
Min	116.14	116.14	116.61	116.71	117.11	117.08	116.80	116.65	116.62	116.54	116.43	116.24	116.14
Annual Max Momentary Gage Height	123.28	m. (MSL.) ,		at 06.00 Hours , on Sep 30, 2022									
Zero Gage at Bottom Elevation	115.30	m. (MSL.) ,		River Bed		112.74	m. (MSL.)						
Left Bank Elevation		126.62	m. (MSL.) ,										
Right Bank Elevation		126.60	m. (MSL.) ,		Drainage Are	425	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	4.60	2.55	10.60	10.00	119.60	3.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	4.50	2.65	9.00	8.00	71.75	3.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	4.20	2.80	8.20	6.80	50.75	3.00	0.00	0.00	0.00	0.00	
4	0.00	0.15	4.30	2.85	9.40	8.20	41.75	3.00	0.00	0.00	0.00	0.00	
5	0.00	0.30	4.80	2.90	6.80	7.20	29.25	3.00	0.00	0.00	0.00	0.00	
6	0.00	0.40	3.90	2.85	6.20	8.60	20.20	2.95	0.00	0.00	0.00	0.00	
7	0.00	0.45	2.95	2.70	7.60	12.20	14.00	2.75	0.00	0.00	0.00	0.00	
8	0.00	0.60	9.40	2.95	10.60	9.80	11.20	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.70	11.20	9.00	11.00	9.20	9.20	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.70	8.00	11.80	22.60	8.40	7.40	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.70	7.40	8.40	23.00	6.80	6.40	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.90	5.80	6.20	19.20	5.80	5.80	0.00	0.00	0.00	0.00	0.00	
13	0.00	1.90	4.60	9.20	16.80	9.20	5.40	0.00	0.00	0.00	0.00	0.00	
14	0.00	2.45	3.60	10.00	12.40	15.20	4.70	0.00	0.00	0.00	0.00	0.00	
15	0.00	5.10	3.10	7.60	15.40	30.75	9.60	0.00	0.00	0.00	0.00	0.00	
16	0.00	9.60	3.20	7.40	25.75	25.00	15.60	0.00	0.00	0.00	0.00	0.00	
17	0.00	6.60	5.50	6.00	20.40	28.50	14.00	0.00	0.00	0.00	0.00	0.00	
18	0.00	4.80	6.80	5.20	18.00	25.00	11.00	0.00	0.00	0.00	0.00	0.00	
19	0.00	4.00	5.10	4.30	13.60	52.25	9.00	0.00	0.00	0.00	0.00	0.00	
20	0.00	4.60	3.60	3.90	65.00	57.50	6.80	0.00	0.00	0.00	0.00	0.00	
21	0.00	3.80	2.95	5.50	128.40	65.25	6.20	0.00	0.00	0.00	0.00	0.00	
22	0.00	3.10	2.65	17.00	94.00	63.25	5.70	0.00	0.00	0.00	0.00	0.00	
23	0.00	2.90	2.50	12.00	56.50	99.10	5.30	0.00	0.00	0.00	0.00	0.00	
24	0.00	2.65	2.40	9.40	29.00	121.60	4.80	0.00	0.00	0.00	0.00	0.00	
25	0.00	2.65	2.35	6.40	21.80	85.50	4.50	0.00	0.00	0.00	0.00	0.00	
26	0.00	2.60	2.05	5.00	26.50	61.25	4.30	0.00	0.00	0.00	0.00	0.00	
27	0.00	2.50	2.75	8.00	43.75	62.25	4.20	0.00	0.00	0.00	0.00	0.00	
28	0.00	4.10	3.00	5.90	43.25	68.75	4.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	12.20	2.70	5.80	25.00	201.00	3.40	0.00	0.00	0.00	0.00	0.00	
30	0.00	8.60	2.55	9.80	17.00	206.40	3.20	0.00	0.00	0.00		0.00	
31		6.00		11.40	13.20		3.00		0.00	0.00		0.00	
Total	0.00	95.05	132.45	207.45	829.95	1378.75	512.00	20.70	0.00	0.00	0.00	0.00	3176.35
Mean	0.00	3.07	4.42	6.69	26.77	45.96	16.52	0.69	0.00	0.00	0.00	0.00	8.70
Max	0.00	12.20	11.20	17.00	128.40	206.40	119.60	3.00	0.00	0.00	0.00	0.00	206.40
Min	0.00	0.00	2.05	2.55	6.20	5.80	3.00	0.00	0.00	0.00	0.00	0.00	0.00
Runoff	0.00	8.21	11.44	17.92	71.71	119.12	44.24	1.79	0.00	0.00	0.00	0.00	274.44
Momentary Peak	217.80	CMS, at 123.28 m. (MSL.) , at 06.00 Hours , on Sep 30, 2022											
Runoff Yield	20.48	Liters/Second/Square KM.				Momentary Peak Yield		512.47	Liters/Second/Square KM.				



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.83	2.36	1.75	0.58	4.11	6.00	30.30	1.10	2.84	0.44	0.30	0.22	
2	0.78	15.60	1.55	0.50	2.60	4.65	15.40	1.30	1.40	0.44	0.30	0.22	
3	0.83	4.80	1.45	0.50	1.65	6.16	23.30	1.25	1.05	0.44	0.30	0.22	
4	1.15	1.85	2.72	0.48	1.60	4.95	29.10	1.15	0.95	0.42	0.38	0.22	
5	0.93	1.45	1.90	0.48	1.00	5.25	13.29	1.15	0.88	0.42	0.36	0.20	
6	0.83	1.20	1.65	0.46	0.90	2.96	11.39	0.98	0.85	0.42	0.44	0.18	
7	0.75	2.00	1.50	0.44	0.85	4.11	8.86	0.80	0.88	0.42	0.40	0.22	
8	0.70	2.96	1.40	0.42	0.88	13.86	12.72	0.80	0.98	0.40	0.34	0.22	
9	0.65	1.90	1.30	0.42	1.75	34.78	8.86	0.73	0.90	0.40	0.32	0.20	
10	0.58	3.85	1.25	0.42	2.00	12.34	33.96	0.70	0.85	0.40	0.32	0.18	
11	0.55	1.80	1.20	0.40	1.35	9.04	20.25	0.68	0.70	0.40	0.34	0.16	
12	0.53	1.70	1.50	0.42	1.10	16.00	10.48	0.68	0.63	0.40	0.30	0.16	
13	0.50	1.25	1.70	0.42	1.40	18.40	6.64	0.68	0.58	0.40	0.28	0.16	
14	0.63	1.55	3.98	0.44	1.80	11.77	4.80	0.73	0.58	0.40	0.28	0.16	
15	0.65	2.96	1.30	0.42	4.50	10.48	3.85	0.85	0.58	0.40	0.28	0.16	
16	0.53	1.85	0.95	0.48	13.67	5.55	3.59	0.85	0.55	0.38	0.28	0.14	
17	0.83	4.65	0.88	0.44	10.84	3.85	4.24	0.78	0.55	0.38	0.38	0.14	
18	2.12	9.04	0.93	0.42	6.32	6.64	3.08	0.78	0.53	0.36	0.34	0.14	
19	0.93	9.94	0.93	0.36	3.46	8.68	2.48	0.85	0.53	0.40	0.30	0.12	
20	0.83	5.55	0.95	0.44	2.12	5.25	2.12	0.80	0.53	0.36	0.28	0.16	
21	0.68	4.95	0.93	2.48	2.36	3.72	1.90	0.80	0.50	0.34	0.28	0.16	
22	1.70	12.53	1.05	2.12	3.33	6.64	1.70	0.78	0.50	0.32	0.28	0.12	
23	1.50	4.37	0.80	1.50	2.60	7.12	1.35	0.75	0.50	0.32	0.26	0.14	
24	0.95	2.48	1.30	1.05	1.85	5.10	1.25	7.28	0.50	0.32	0.26	0.16	
25	0.80	4.37	0.90	1.20	2.60	18.60	1.10	3.59	0.48	0.32	0.26	0.16	
26	0.70	2.72	0.83	0.80	5.10	20.00	1.00	2.00	0.48	0.32	0.24	0.16	
27	0.78	2.00	0.78	4.65	8.50	18.40	1.05	1.35	0.48	0.32	0.24	0.09	
28	1.80	1.90	0.95	1.20	4.37	8.50	1.30	1.65	0.46	0.32	0.22	0.07	
29	3.20	1.80	0.78	4.11	3.72	52.16	1.25	1.60	0.46	0.30		0.10	
30	1.70	1.65	0.65	5.40	6.64	61.50	1.15	1.95	0.46	0.30		0.65	
31		1.60		1.80	9.22		1.05		0.46	0.28		0.58	
Total	29.94	118.63	39.76	35.25	114.19	392.46	262.81	39.39	22.62	11.54	8.56	5.97	1081.12 CMSDAY
Mean	1.00	3.83	1.33	1.14	3.68	13.08	8.48	1.31	0.73	0.37	0.31	0.19	2.96 CMS
Max	3.20	15.60	3.98	5.40	13.67	61.50	33.96	7.28	2.84	0.44	0.44	0.65	61.50 CMS
Min	0.50	1.20	0.65	0.36	0.85	2.96	1.00	0.68	0.46	0.28	0.22	0.07	0.07 CMS
Runoff	2.59	10.25	3.44	3.05	9.87	33.91	22.71	3.40	1.95	1.00	0.74	0.52	93.41 MCM
Momentary Peak	85.00 CMS, at 389.35 m. (MSL.) , at 06.00 Hours , on Sep 30, 2022												
Runoff Yield	8.76	Liters/Second/Square KM.		Momentary Peak Yield		251.48	Liters/Second/Square KM.						

WATER YEAR : 2022**MUN RIVER BASIN****Huai La - ong at Ban Na Phu, Amnart Charoen (M.155)**

Lat 16 - 00 - 21 N Long 104 - 38 - 23 E

Location : on left bank at the bridge on road.

	Ban	Na Phu	Amphoe	Mueang	Changwat	Amnart Charoen
Drainge Area	218	sq.km.				
Type of Gage	Staff gage.					
Zero Gage at Bottom	+136.200 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank upstream side at the footpath of the bridge.				Elevation	+144.588 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic means of 5 readings					
Period of Available Gage Records	1997 to date					
Rating Operation						
Period of Rating	1997 to date					
Rated by Float	-					
Rated by Current Meter	1997 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. The weir situated about 1.5 kilometers downstream from the gage site. Stage-discharge relation defined by 25 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	136.76	136.80	136.90	136.84	137.14	137.29	138.60	137.05	137.02	136.81	136.80	136.68	
2	136.75	136.80	136.83	136.85	137.10	137.23	137.91	137.08	136.99	136.81	136.80	136.68	
3	136.75	136.79	136.88	136.85	137.10	137.19	138.24	137.08	136.97	136.80	136.79	136.68	
4	136.74	136.78	136.98	136.85	137.14	137.23	138.10	137.07	136.95	136.80	136.79	136.68	
5	136.73	136.77	137.42	136.85	137.20	137.25	137.77	137.09	136.93	136.80	136.79	136.68	
6	136.72	136.76	137.28	136.85	137.23	137.35	137.56	137.06	136.92	136.80	136.78	136.68	
7	136.71	136.76	137.14	136.84	137.23	137.30	137.53	137.08	136.91	136.80	136.78	136.68	
8	136.70	136.79	137.03	136.85	137.67	137.27	137.43	137.08	136.90	136.80	136.77	136.68	
9	136.69	136.77	136.98	136.84	137.77	137.38	137.37	137.06	136.89	136.80	136.76	136.68	
10	136.68	136.81	136.96	137.12	138.86	137.48	137.32	137.05	136.89	136.80	136.76	136.68	
11	136.67	136.78	136.93	137.21	138.43	137.40	137.25	137.04	136.88	136.80	136.75	136.67	
12	136.66	136.77	136.90	137.18	137.99	137.33	137.21	137.02	136.88	136.80	136.75	136.67	
13	136.65	136.82	136.90	137.40	137.68	137.28	137.18	136.99	136.88	136.81	136.74	136.67	
14	136.64	136.79	136.90	137.33	137.48	137.45	137.17	136.94	136.88	136.85	136.73	136.67	
15	136.63	136.77	136.92	137.23	137.61	137.25	137.33	136.89	136.88	136.83	136.73	136.67	
16	136.62	136.82	136.90	137.29	138.26	137.38	137.44	136.85	136.88	136.82	136.72	136.67	
17	136.61	136.81	136.90	137.22	137.92	137.40	137.43	136.85	136.88	136.82	136.72	136.67	
18	136.60	136.81	136.90	137.16	137.78	137.39	137.39	136.88	136.86	136.82	136.71	136.67	
19	136.62	136.80	136.90	137.12	137.63	137.40	137.31	136.88	136.85	136.82	136.71	136.67	
20	136.79	136.82	136.90	137.08	138.28	137.41	137.25	136.89	136.85	136.81	136.70	136.67	
21	136.81	136.81	136.89	137.11	138.50	137.39	137.21	136.89	136.85	136.81	136.70	136.67	
22	136.80	136.80	136.88	137.62	138.14	137.54	137.22	136.89	136.85	136.81	136.70	136.67	
23	136.80	136.80	136.87	137.57	137.69	138.86	137.20	136.89	136.84	136.81	136.69	136.67	
24	136.79	136.79	136.86	137.52	137.47	140.04	137.18	136.89	136.84	136.83	136.69	136.67	
25	136.77	136.79	136.85	137.36	137.43	139.79	137.16	136.91	136.84	136.82	136.68	136.67	
26	136.75	136.80	136.85	137.22	137.55	139.04	137.15	136.99	136.84	136.82	136.68	136.67	
27	136.74	136.82	136.85	137.17	137.62	138.49	137.13	137.12	136.84	136.82	136.67	136.68	
28	136.74	136.82	136.84	137.12	137.54	138.45	137.19	137.09	136.83	136.83	136.67	136.68	
29	136.73	136.80	136.84	137.07	137.39	140.92	137.16	137.07	136.83	136.82		136.68	
30	136.73	136.79	136.84	137.11	137.32	139.96	137.12	137.05	136.82	136.81		136.68	
31		136.87		137.15	137.29		137.08		136.82	136.80		136.68	
Mean	136.71	136.80	136.93	137.13	137.66	137.90	137.41	136.99	136.88	136.81	136.73	136.67	
Max	136.81	136.87	137.42	137.62	138.86	140.92	138.60	137.12	137.02	136.85	136.80	136.68	140.92
Min	136.60	136.76	136.83	136.84	137.10	137.19	137.08	136.85	136.82	136.80	136.67	136.67	136.60
Annual Max Momentary Gage Height	141.05	m. (MSL.) ,		at 18.00 Hours, on Sep 29, 2022									
Zero Gage at Bottom Elevation	136.20		m. (MSL.) ,		River Bed		135.98	m. (MSL)					
Left Bank Elevation	144.59		m. (MSL.) ,										
Right Bank Elevation	144.59		m. (MSL.) ,		Drainage Are		218	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.20	2.40	4.35	40.00	1.50	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.15	0.25	2.00	3.45	19.30	1.80	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.40	0.25	2.00	2.90	29.20	1.80	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.90	0.25	2.40	3.45	25.00	1.70	0.00	0.00	0.00	0.00	
5	0.00	0.00	6.40	0.25	3.00	3.75	15.10	1.90	0.00	0.00	0.00	0.00	
6	0.00	0.00	4.20	0.25	3.45	5.25	9.20	1.60	0.00	0.00	0.00	0.00	
7	0.00	0.00	2.40	0.20	3.45	4.50	8.60	1.80	0.00	0.00	0.00	0.00	
8	0.00	0.00	1.30	0.25	12.10	4.05	6.60	1.80	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.90	0.20	15.10	5.70	5.55	1.60	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.80	2.20	47.80	7.60	4.80	1.50	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.65	3.15	34.90	6.00	3.75	1.40	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.50	2.80	21.70	4.95	3.15	1.20	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.50	6.00	12.40	4.20	2.80	0.95	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.50	4.95	7.60	7.00	2.70	0.70	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.60	3.45	10.30	3.75	4.95	0.45	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.50	4.35	29.80	5.70	6.80	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.50	3.30	19.60	6.00	6.60	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.50	2.60	15.40	5.85	5.85	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.50	2.20	10.90	6.00	4.65	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.50	1.80	30.40	6.20	3.75	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.45	2.10	37.00	5.85	3.15	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.40	10.60	26.20	8.80	3.30	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.35	9.40	12.70	47.80	3.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.30	8.40	7.40	83.20	2.80	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.25	5.40	6.60	75.70	2.60	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.25	3.30	9.00	53.20	2.50	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.25	2.70	10.60	36.70	2.30	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.20	2.20	8.80	35.50	2.90	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.20	1.70	5.85	109.60	2.60	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.20	2.10	4.80	80.80	2.20	0.00	0.00	0.00	0.00	0.00	
31		0.00		2.50	4.35		1.80		0.00	0.00		0.00	
Total	0.00	0.00	25.55	89.30	420.00	637.80	237.50	21.70	0.00	0.00	0.00	0.00	1431.85 CMSDAY
Mean	0.00	0.00	0.85	2.88	13.55	2							

WATER YEAR : 2022**MUN RIVER BASIN****Huai Ban at Ban Na Phu, Amnart Charoen (M.156)**

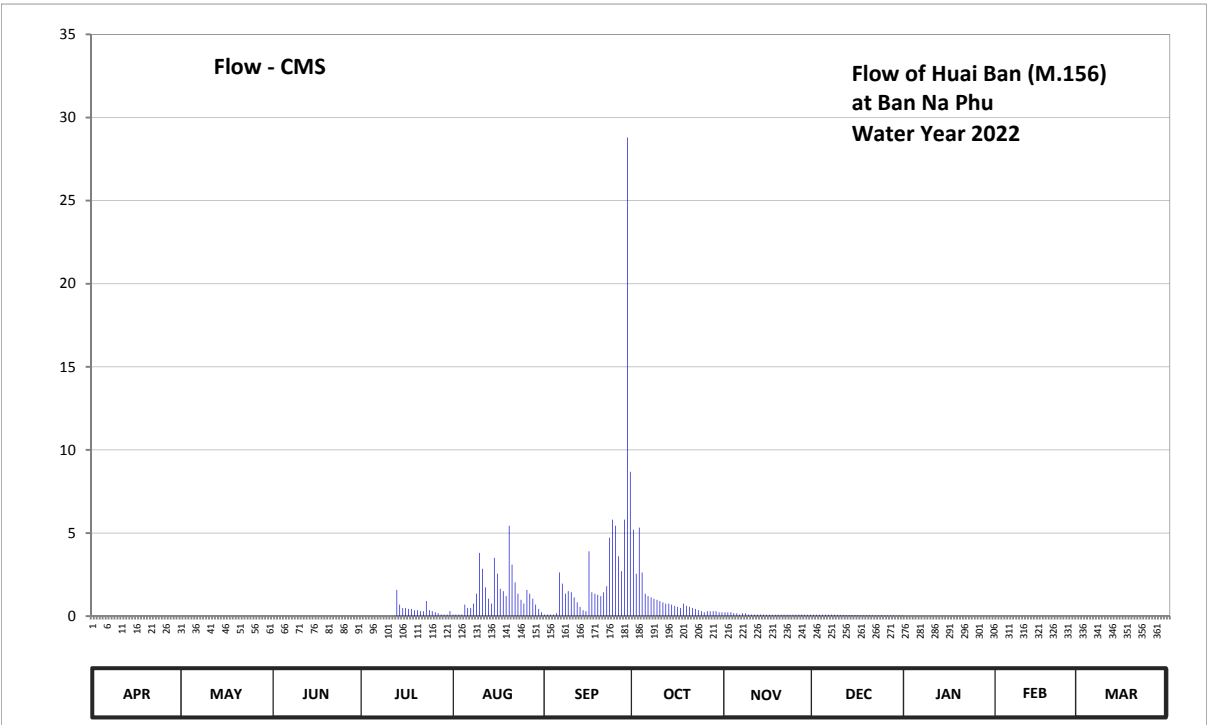
Lat 15 - 59 - 23 N Long 104 - 38 - 14 E

Location : on left bank at the bridge on road.

	Ban	Na Phu	Amphoe	Mueang	Changwat	Amnart Charoen
Drainage Area	45	sq.km.				
Type of Gage	Staff gage.					
Zero Gage at Bottom	+139.100 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the footpath of the bridge.				Elevation	+144.660 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic means of 5 readings					
Period of Available Gage Records	1997 to date					
Rating Operation						
Period of Rating	1997 to date					
Rated by Float	-					
Rated by Current Meter	1997 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. The concrete weir situated about 250 meters downstream from the gage site. Stage-discharge relation defined by 16 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

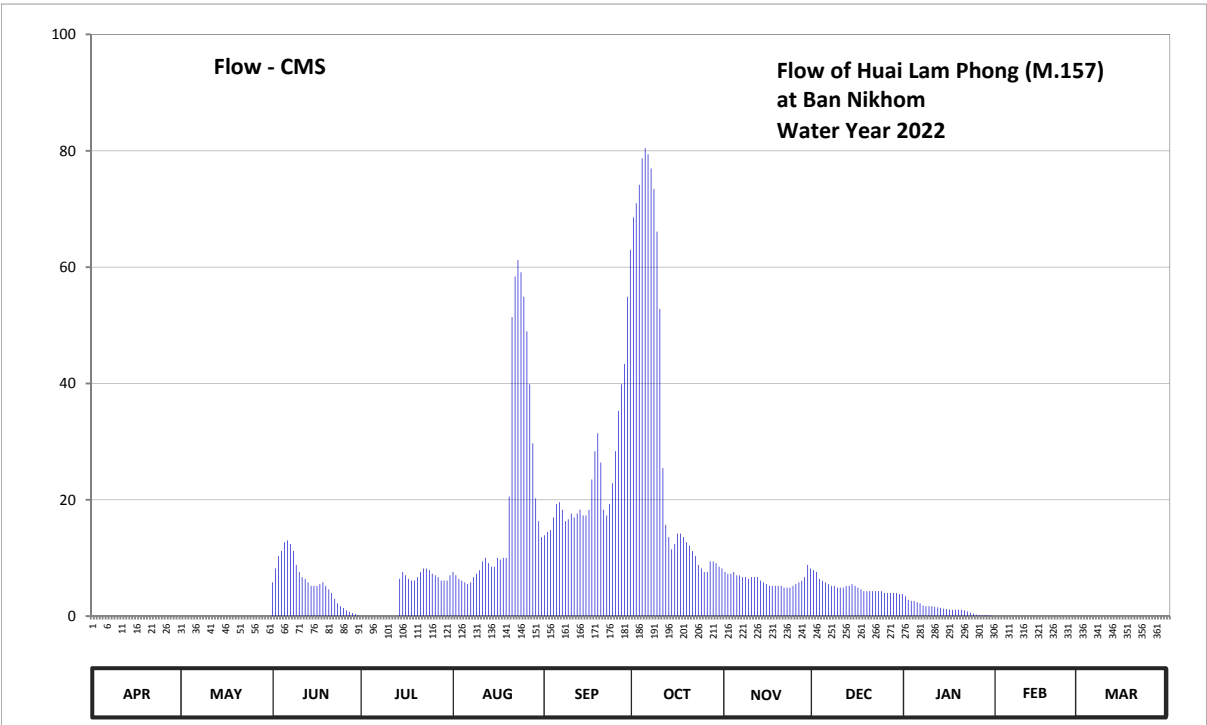
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	140.36	140.08	140.37	140.37	140.39	140.40	141.00	140.42	140.37	140.10	140.01	139.74	
2	140.36	140.11	140.42	140.37	140.38	140.39	140.74	140.42	140.37	140.10	140.00	139.74	
3	140.35	140.14	140.39	140.37	140.40	140.38	141.01	140.42	140.37	140.09	139.99	139.74	
4	140.35	140.16	140.43	140.36	140.38	140.38	140.75	140.41	140.37	140.09	139.98	139.74	
5	140.34	140.18	140.48	140.34	140.49	140.41	140.58	140.41	140.36	140.09	139.96	139.74	
6	140.34	140.19	140.44	140.32	140.46	140.75	140.56	140.40	140.36	140.09	139.95	139.74	
7	140.33	140.19	140.42	140.30	140.46	140.66	140.55	140.41	140.36	140.08	139.94	139.74	
8	140.32	140.24	140.40	140.37	140.50	140.58	140.54	140.41	140.35	140.08	139.92	139.74	
9	140.31	140.32	140.40	140.38	140.58	140.60	140.53	140.40	140.33	140.08	139.91	139.74	
10	140.30	140.37	140.40	140.37	140.88	140.59	140.52	140.40	140.32	140.08	139.89	139.74	
11	140.29	140.36	140.39	140.39	140.78	140.55	140.51	140.39	140.30	140.08	139.87	139.74	
12	140.28	140.36	140.39	140.38	140.63	140.51	140.50	140.39	140.29	140.07	139.86	139.74	
13	140.27	140.35	140.39	140.61	140.54	140.47	140.50	140.38	140.29	140.07	139.85	139.74	
14	140.26	140.35	140.39	140.49	140.50	140.44	140.49	140.38	140.28	140.07	139.83	139.74	
15	140.25	140.34	140.39	140.46	140.85	140.43	140.48	140.37	140.27	140.06	139.82	139.74	
16	140.24	140.37	140.39	140.46	140.74	140.89	140.47	140.37	140.26	140.06	139.80	139.74	
17	140.23	140.36	140.39	140.45	140.62	140.59	140.46	140.36	140.25	140.06	139.79	139.74	
18	140.22	140.36	140.39	140.45	140.60	140.58	140.50	140.36	140.24	140.06	139.78	139.74	
19	140.21	140.36	140.38	140.44	140.56	140.57	140.48	140.36	140.23	140.06	139.78	139.74	
20	140.20	140.36	140.38	140.44	141.02	140.56	140.47	140.37	140.22	140.05	139.77	139.74	
21	140.19	140.36	140.38	140.43	140.81	140.59	140.46	140.37	140.21	140.05	139.76	139.74	
22	140.18	140.37	140.38	140.43	140.67	140.64	140.45	140.36	140.20	140.05	139.75	139.74	
23	140.16	140.37	140.38	140.52	140.58	140.96	140.44	140.36	140.19	140.04	139.75	139.74	
24	140.14	140.37	140.37	140.44	140.53	141.05	140.43	140.36	140.18	140.04	139.74	139.74	
25	140.12	140.37	140.37	140.43	140.50	141.02	140.42	140.36	140.17	140.04	139.74	139.74	
26	140.10	140.37	140.37	140.42	140.61	140.86	140.43	140.39	140.16	140.04	139.74	139.74	
27	140.09	140.37	140.37	140.41	140.58	140.76	140.43	140.38	140.15	140.03	139.74	139.74	
28	140.05	140.39	140.36	140.40	140.54	141.05	140.43	140.37	140.14	140.03	139.74	139.74	
29	140.03	140.39	140.36	140.39	140.49	142.70	140.43	140.37	140.13	140.03		139.74	
30	140.02	140.38	140.36	140.40	140.45	141.29	140.42	140.36	140.12	140.03		139.74	
31		140.39		140.43	140.42		140.42		140.11	140.02		139.74	
Mean	140.23	140.31	140.39	140.41	140.58	140.72	140.53	140.38	140.26	140.06	139.84	139.74	
Max	140.36	140.39	140.48	140.61	141.02	142.70	141.01	140.42	140.37	140.10	140.01	139.74	142.70
Min	140.02	140.08	140.36	140.30	140.38	140.38	140.42	140.36	140.11	140.02	139.74	139.74	139.74
Annual Max Momentary Gage Height	142.90	m. (MSL.) ,		at 06.00 Hours, on Sep 29, 2022									
Zero Gage at Bottom Elevation	139.10	m. (MSL.) ,		River Bed		139.77	m. (MSL)						
Left Bank Elevation	144.65	m. (MSL.) ,											
Right Bank Elevation	144.69	m. (MSL.) ,		Drainage Are		45	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	0.10	0.10	5.20	0.23	0.09	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.10	0.10	2.55	0.23	0.09	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.10	0.10	5.32	0.23	0.09	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.10	0.10	2.63	0.17	0.09	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.69	0.17	1.35	0.17	0.09	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.49	2.63	1.20	0.10	0.09	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.49	1.95	1.13	0.17	0.09	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.75	1.35	1.05	0.17	0.09	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	1.35	1.50	0.98	0.10	0.08	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	3.80	1.43	0.90	0.10	0.08	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	2.85	1.13	0.83	0.10	0.08	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	1.73	0.83	0.75	0.10	0.07	0.00	0.00	0.00	
13	0.00	0.00	0.00	1.58	1.05	0.56	0.75	0.10	0.07	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.69	0.75	0.36	0.69	0.10	0.07	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.49	3.50	0.30	0.62	0.09	0.07	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.49	2.55	3.90	0.56	0.09	0.07	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.43	1.65	1.43	0.49	0.09	0.06	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.43	1.50	1.35	0.75	0.09	0.06	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.36	1.20	1.28	0.62	0.09	0.06	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.36	5.44	1.20	0.56	0.09	0.06	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.30	3.10	1.43	0.49	0.09	0.05	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.30	2.03	1.80	0.43	0.09	0.05	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.90	1.35	4.72	0.36	0.09	0.05	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.36	0.98	5.80	0.30	0.09	0.05	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.30	0.75	5.44	0.23	0.09	0.04	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.23	1.58	3.60	0.30	0.10	0.04	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.17	1.35	2.70	0.30	0.10	0.04	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.10	1.05	5.80	0.30	0.09	0.04	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.10	0.69	28.80	0.30	0.09	0.03	0.00		0.00	
30	0.00	0.00	0.00	0.10	0.43	8.68	0.23	0.09	0.03	0.00		0.00	
31		0.00		0.30	0.23		0.23		0.03	0.00		0.00	
Total	0.00	0.00	0.00	7.99	43.73	90.54	32.40	3.53	2.00	0.00	0.00	0.00	180.19 CMSDAY
Mean	0.00	0.00	0.00	0.26	1.41	3.02	1.05	0.12	0.06	0.00	0.00	0.00	0.49 CMS
Max	0.00	0.00	0.00	1.58	5.44	28.80	5.32	0.23	0.09	0.00	0.00	0.00	28.80 CMS
Min	0.00	0.00	0.00	0.00	0.10	0.10	0.23	0.09	0.03	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	0.00	0.00	0.69	3.78	7.82	2.80	0.30	0.17	0.00	0.00	0.00	15.57 MCM
Momentary Peak	32.20	CMS, at 142.90 m. (MSL), at 06.00 Hours, on Sep 29, 2022											
Runoff Yield	10.97	Liters/Second/Square KM.			Momentary Peak Yield			715.56 Liters/Second/Square KM.					

	Ban	Nikhom	Amphoe	Pa Tio	Changwat	Yasothorn
Drainage Area	731	sq.km.				
Type of Gage	Staff	gage.				
Zero Gage at Bottom	+121.500	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank upstream side of the footpath of the bridge.				Elevation	+131.518 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic means of 5 readings					
Period of Available Gage Records	1997 to date					
Rating Operation						
Period of Rating	1997 - 1999, 2001 - 2010 , 2019 to date					
Rated by Float	-					
Rated by Current Meter	1997 - 1999, 2001 - 2010 , 2019 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 25 discharge measurements made in 2022.					

Gage Height in Meter (MSL.)														Water Year April 1, 2022 to March 31, 2023													
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual													
	1	125.42	125.16	125.46	124.97	125.52	125.73	127.33	125.52	125.53	125.37	124.98	124.39														
	2	125.42	125.15	125.54	124.91	125.50	125.75	127.40	125.51	125.52	125.34	124.96	124.36														
	3	125.42	125.15	125.61	124.85	125.48	125.76	127.49	125.51	125.48	125.33	124.93	124.34														
	4	125.43	125.16	125.64	124.80	125.47	125.83	127.62	125.52	125.47	125.33	124.90	124.31														
	5	125.43	125.17	125.69	124.71	125.46	125.90	127.67	125.50	125.46	125.32	124.88	124.29														
	6	125.43	125.16	125.70	124.62	125.45	125.91	127.64	125.50	125.45	125.31	124.86	124.24														
	7	125.43	125.16	125.68	124.52	125.46	125.87	127.57	125.49	125.44	125.28	124.84	124.17														
	8	125.42	125.14	125.64	124.45	125.49	125.81	127.47	125.49	125.44	125.27	124.82	124.14														
	9	125.42	125.16	125.56	124.39	125.51	125.82	127.26	125.48	125.43	125.27	124.80	124.13														
	10	125.42	125.22	125.52	124.34	125.53	125.85	126.88	125.49	125.43	125.27	124.77	124.11														
	11	125.41	125.23	125.49	124.32	125.58	125.83	126.09	125.49	125.43	125.26	124.75	124.10														
	12	125.40	125.24	125.48	124.39	125.60	125.85	125.79	125.49	125.44	125.25	124.73	124.09														
	13	125.38	125.25	125.46	124.90	125.57	125.87	125.72	125.47	125.44	125.24	124.71	124.08														
	14	125.37	125.25	125.44	125.48	125.55	125.84	125.65	125.46	125.45	125.23	124.68	124.06														
	15	125.36	125.25	125.44	125.52	125.55	125.84	125.68	125.45	125.44	125.22	124.65	124.05														
	16	125.35	125.25	125.44	125.50	125.60	125.87	125.74	125.44	125.43	125.21	124.64	124.04														
	17	125.34	125.26	125.45	125.48	125.59	126.03	125.74	125.44	125.42	125.21	124.62	124.03														
	18	125.31	125.27	125.46	125.47	125.60	126.18	125.72	125.44	125.41	125.21	124.60	124.00														
	19	125.31	125.36	125.44	125.47	125.60	126.27	125.69	125.44	125.41	125.21	124.60	123.98														
	20	125.29	125.42	125.42	125.49	125.94	126.12	125.67	125.44	125.41	125.21	124.60	123.96														
	21	125.26	125.44	125.40	125.52	126.84	125.87	125.64	125.43	125.41	125.20	124.58	123.95														
	22	125.25	125.46	125.35	125.54	127.04	125.84	125.61	125.43	125.41	125.16	124.55	123.93														
	23	125.24	125.46	125.31	125.54	127.12	125.90	125.56	125.43	125.41	125.12	124.52	123.90														
	24	125.24	125.45	125.27	125.53	127.06	126.01	125.54	125.44	125.41	125.08	124.50	123.87														
	25	125.23	125.44	125.24	125.51	126.94	126.18	125.52	125.45	125.40	125.05	124.48	123.84														
	26	125.23	125.45	125.20	125.50	126.77	126.38	125.52	125.46	125.40	125.04	124.46	123.82														
	27	125.22	125.44	125.15	125.49	126.51	126.51	125.58	125.47	125.40	125.04	124.44	123.81														
	28	125.22	125.42	125.11	125.47	126.22	126.61	125.58	125.49	125.40	125.04	124.42	123.80														
	29	125.20	125.42	125.07	125.47	125.93	126.94	125.57	125.56	125.40	125.03		123.79														
	30	125.17	125.42	125.02	125.47	125.81	127.17	125.55	125.54	125.39	125.02		123.78														
	31		125.42		125.50	125.72		125.54		125.39	125.01		123.74														
Mean		125.33	125.30	125.42	125.13	125.90	126.04	126.23	125.48	125.43	125.20	124.69	124.04														
Max		125.43	125.46	125.70	125.54	127.12	127.17	127.67	125.56	125.53	125.37	124.98	124.39	127.67													
Min		125.17	125.14	125.02	124.32	125.45	125.73	125.52	125.43	125.39	125.01	124.42	123.74	123.74													
Annual Max Momentary Gage Height			127.68	m. (MSL.) ,			at 06.00 Hours, on Oct 5, 2022																				
Zero Gage at Bottom Elevation			121.50	m. (MSL.) ,			River Bed	123.51	m. (MSL)																		
Left Bank Elevation			131.70	m. (MSL.) ,																							
Right Bank Elevation			132.48	m. (MSL.) ,			Drainage Are	731	Square Kilometers																		



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	5.80	0.00	7.60	13.90	68.55	7.60	7.90	3.40	0.00	0.00	
2	0.00	0.00	8.20	0.00	7.00	14.50	71.00	7.30	7.60	2.80	0.00	0.00	
3	0.00	0.00	10.30	0.00	6.40	14.80	74.15	7.30	6.40	2.60	0.00	0.00	
4	0.00	0.00	11.20	0.00	6.10	16.98	78.70	7.60	6.10	2.60	0.00	0.00	
5	0.00	0.00	12.70	0.00	5.80	19.25	80.45	7.00	5.80	2.40	0.00	0.00	
6	0.00	0.00	13.00	0.00	5.50	19.58	79.40	7.00	5.50	2.20	0.00	0.00	
7	0.00	0.00	12.40	0.00	5.80	18.28	76.95	6.70	5.20	1.80	0.00	0.00	
8	0.00	0.00	11.20	0.00	6.70	16.33	73.45	6.70	5.20	1.70	0.00	0.00	
9	0.00	0.00	8.80	0.00	7.30	16.65	66.10	6.40	4.90	1.70	0.00	0.00	
10	0.00	0.00	7.60	0.00	7.90	17.63	52.80	6.70	4.90	1.70	0.00	0.00	
11	0.00	0.00	6.70	0.00	9.40	16.98	25.43	6.70	4.90	1.60	0.00	0.00	
12	0.00	0.00	6.40	0.00	10.00	17.63	15.70	6.70	5.20	1.50	0.00	0.00	
13	0.00	0.00	5.80	0.00	9.10	18.28	13.60	6.10	5.20	1.40	0.00	0.00	
14	0.00	0.00	5.20	6.40	8.50	17.30	11.50	5.80	5.50	1.30	0.00	0.00	
15	0.00	0.00	5.20	7.60	8.50	17.30	12.40	5.50	5.20	1.20	0.00	0.00	
16	0.00	0.00	5.20	7.00	10.00	18.28	14.20	5.20	4.90	1.10	0.00	0.00	
17	0.00	0.00	5.50	6.40	9.70	23.48	14.20	5.20	4.60	1.10	0.00	0.00	
18	0.00	0.00	5.80	6.10	10.00	28.35	13.60	5.20	4.30	1.10	0.00	0.00	
19	0.00	0.00	5.20	6.10	10.00	31.45	12.70	5.20	4.30	1.10	0.00	0.00	
20	0.00	0.00	4.60	6.70	20.55	26.40	12.10	5.20	4.30	1.10	0.00	0.00	
21	0.00	0.00	4.00	7.60	51.40	18.28	11.20	4.90	4.30	1.00	0.00	0.00	
22	0.00	0.00	3.00	8.20	58.40	17.30	10.30	4.90	4.30	0.80	0.00	0.00	
23	0.00	0.00	2.20	8.20	61.20	19.25	8.80	4.90	4.30	0.60	0.00	0.00	
24	0.00	0.00	1.70	7.90	59.10	22.83	8.20	5.20	4.30	0.40	0.00	0.00	
25	0.00	0.00	1.40	7.30	54.90	28.35	7.60	5.50	4.00	0.25	0.00	0.00	
26	0.00	0.00	1.00	7.00	48.95	35.30	7.60	5.80	4.00	0.20	0.00	0.00	
27	0.00	0.00	0.75	6.70	39.85	39.85	9.40	6.10	4.00	0.20	0.00	0.00	
28	0.00	0.00	0.55	6.10	29.70	43.35	9.40	6.70	4.00	0.20	0.00	0.00	
29	0.00	0.00	0.35	6.10	20.23	54.90	9.10	8.80	4.00	0.15		0.00	
30	0.00	0.00	0.10	6.10	16.33	62.95	8.50	8.20	3.80	0.10		0.00	
31		0.00		7.00	13.60		8.20		3.80	0.05		0.00	
Total	0.00	0.00	171.85	124.50	625.51	725.71	965.28	188.10	152.70	39.35	0.00	0.00	2993.00 CMSDAY
Mean	0.00	0.00	5.73	4.02	20.18	24.19	31.14	6.27	4.93	1.27	0.00	0.00	8.20 CMS
Max	0.00	0.00	13.00	8.20	61.20	62.95	80.45	8.80	7.90	3.40	0.00	0.00	80.45 CMS
Min	0.00	0.00	0.10	0.00	5.50	13.90	7.60	4.90	3.80	0.05	0.00	0.00	0.00 CMS
Runoff	0.00	0.00	14.85	10.76	54.04	62.70	83.40	16.25	13.19	3.40	0.00	0.00	258.60 MCM
Momentary Peak	80.80	CMS, at 127.68 m. (MSL), at 06.00 Hours, on Oct 5, 2022											
Runoff Yield	11.22	Liters/Second/Square KM.		Momentary Peak Yield		110.53	Liters/Second/Square KM.						

WATER YEAR : 2022**MUN RIVER BASIN****Lam Chi at Ban Lum Din, Surin (M.159)**

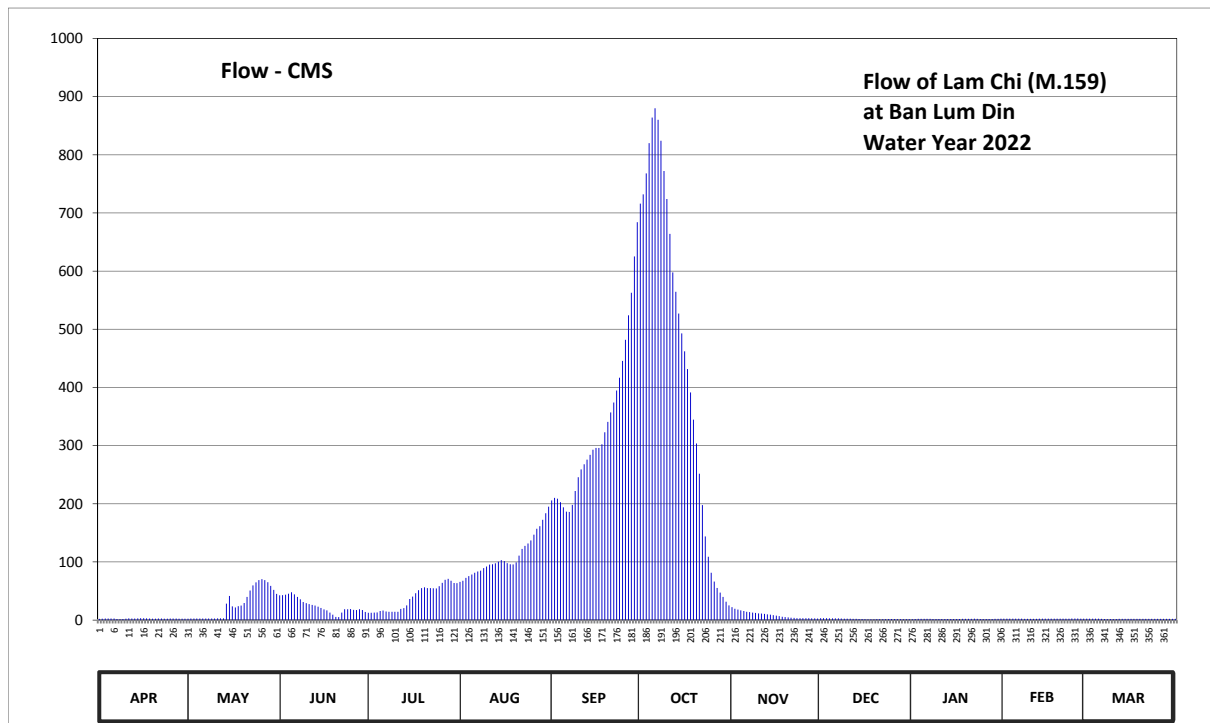
Lat 15 - 08 - 28 N Long 103 - 25 - 45 E

Location : on right bank at Ban Lum Din.

	Ban	Lum Din	Amphoe	Chom Phra	Changwat	Surin
Drainage Area	4,765	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+120.900 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On right bank at staff gage line.				Elevation	+131.079 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1999 to date					
Rating Operation						
Period of Rating	1999 to date					
Rated by Float	-					
Rated by Current Meter	1999 to date					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	Overbank flow starts at elevation +132.210 m.(MSL.) and is including overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 62 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	123.12	123.29	124.29	123.03	125.06	128.43	132.32	127.31	123.59	122.83	123.21	123.22	
2	123.21	123.37	124.30	123.03	125.12	128.50	132.36	127.16	123.64	122.94	123.24	123.21	
3	123.39	123.34	124.32	123.04	125.29	128.48	132.45	127.01	123.59	123.06	123.23	123.20	
4	123.43	123.31	124.38	123.06	125.39	128.38	132.58	126.86	123.53	123.12	123.22	123.21	
5	123.42	123.32	124.46	123.18	125.48	128.23	132.69	126.70	123.54	123.10	123.21	123.17	
6	123.33	123.35	124.34	123.23	125.58	128.11	132.73	126.54	123.52	123.07	123.19	123.07	
7	123.02	123.37	124.20	123.14	125.65	128.10	132.68	126.40	123.47	123.03	123.17	122.95	
8	122.85	123.34	124.06	123.11	125.70	128.30	132.59	126.24	123.37	122.98	123.13	122.87	
9	122.96	123.35	123.90	123.11	125.85	128.67	132.46	126.07	123.26	122.98	123.11	122.91	
10	123.28	123.40	123.84	123.11	125.94	128.97	132.34	125.88	123.20	122.94	123.10	122.97	
11	123.45	123.53	123.77	123.11	126.05	129.14	132.19	125.78	123.16	122.92	123.12	123.01	
12	123.42	123.50	123.71	123.36	126.07	129.25	132.02	125.67	123.12	122.93	123.14	123.05	
13	123.42	123.52	123.65	123.43	126.12	129.35	131.84	125.49	123.04	122.92	123.17	123.07	
14	123.54	123.81	123.56	123.66	126.21	129.45	131.64	125.30	122.96	122.91	123.23	123.06	
15	123.61	124.25	123.44	124.08	126.30	129.56	131.46	125.10	122.90	122.94	123.25	123.07	
16	123.60	123.58	123.32	124.21	126.25	129.60	131.29	124.91	122.80	122.96	123.25	123.08	
17	123.47	123.48	123.24	124.41	126.13	129.60	131.12	124.69	122.68	123.00	123.23	123.06	
18	123.37	123.60	123.04	124.58	126.07	129.68	130.89	124.45	122.64	123.04	123.22	123.06	
19	123.25	123.65	122.83	124.70	126.06	129.92	130.61	124.27	122.73	123.08	123.21	123.06	
20	123.21	123.85	122.56	124.75	126.18	130.12	130.32	124.15	122.76	123.13	123.20	123.06	
21	123.36	124.20	122.53	124.70	126.52	130.29	129.92	124.00	122.76	123.14	123.20	123.05	
22	123.37	124.56	123.05	124.70	126.81	130.46	129.47	123.86	122.82	123.16	123.21	123.08	
23	123.23	124.86	123.33	124.69	126.94	130.64	128.98	123.64	122.82	123.13	123.24	123.08	
24	123.25	125.03	123.33	124.68	127.04	130.82	128.64	123.64	122.97	122.99	123.32	123.08	
25	123.34	125.16	123.35	124.81	127.16	131.04	128.35	123.65	123.00	122.92	123.33	123.08	
26	123.39	125.21	123.28	125.00	127.36	131.30	128.18	123.64	122.92	122.91	123.31	123.08	
27	123.41	125.16	123.27	125.18	127.56	131.58	128.04	123.60	122.87	122.93	123.28	123.08	
28	123.28	125.04	123.33	125.23	127.65	131.83	127.92	123.57	122.83	122.98	123.25	123.09	
29	123.23	124.83	123.26	125.12	127.87	132.09	127.78	123.44	122.78	123.06		123.10	
30	123.24	124.60	123.10	124.99	128.06	132.24	127.61	123.43	122.75	123.13		123.11	
31		124.37		124.98	128.25		127.46		122.79	123.19		123.11	
Mean	123.31	123.98	123.57	124.05	126.38	129.74	130.68	125.08	123.06	123.01	123.21	123.07	
Max	123.61	125.21	124.46	125.23	128.25	132.24	132.73	127.31	123.64	123.19	123.33	123.22	132.73
Min	122.85	123.29	122.53	123.03	125.06	128.10	127.46	123.43	122.64	122.83	123.10	122.87	122.53
Annual Max Momentary Gage Height	132.74		m. (MSL.) ,				at 05.00 Hours, on Oct 6, 2022						
Zero Gage at Bottom Elevation		120.90		m. (MSL.) ,		River Bed	120.78		m. (MSL.)				
Left Bank Elevation		132.20		m. (MSL.) ,									
Right Bank Elevation		132.26		m. (MSL.) ,		Drainage Are	4,765		Square Kilometers				



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.24	2.58	42.70	12.60	65.80	205.80	716.00	22.20	3.18	1.66	2.42	2.44		
2	2.42	2.74	43.00	12.60	67.60	210.00	732.00	19.60	3.28	1.88	2.48	2.42		
3	2.78	2.68	43.60	12.80	72.70	208.80	768.00	18.10	3.18	2.12	2.46	2.40		
4	2.86	2.62	45.40	13.20	75.70	202.80	820.00	16.88	3.06	2.24	2.44	2.42		
5	2.84	2.64	47.80	15.60	78.40	193.80	864.00	15.60	3.08	2.20	2.42	2.34		
6	2.66	2.70	44.20	16.60	81.40	186.60	880.00	14.32	3.04	2.14	2.38	2.14		
7	2.04	2.74	40.00	14.80	83.50	186.00	860.00	13.60	2.94	2.06	2.34	1.90		
8	1.70	2.68	35.80	14.20	85.00	198.00	824.00	12.96	2.74	1.96	2.26	1.74		
9	1.92	2.70	31.00	14.20	89.50	221.90	772.00	12.28	2.52	1.96	2.22	1.82		
10	2.56	2.80	29.20	14.20	92.20	245.60	724.00	11.52	2.40	1.88	2.20	1.94		
11	2.90	3.06	27.40	14.20	95.50	259.20	664.10	11.12	2.32	1.84	2.24	2.02		
12	2.84	3.00	26.20	19.20	96.10	268.00	597.80	10.68	2.24	1.86	2.28	2.10		
13	2.84	3.04	25.00	20.60	97.60	276.00	564.40	9.96	2.08	1.84	2.34	2.14		
14	3.08	28.30	23.20	25.20	100.30	284.00	527.07	9.20	1.92	1.82	2.46	2.12		
15	3.22	41.50	20.80	36.40	103.00	292.80	492.80	8.40	1.80	1.88	2.50	2.14		
16	3.20	23.60	18.40	40.30	101.50	296.00	462.20	7.64	1.60	1.92	2.50	2.16		
17	2.94	21.60	16.80	46.30	97.90	296.00	431.60	6.76	1.36	2.00	2.46	2.12		
18	2.74	24.00	12.80	51.40	96.10	302.40	391.30	5.80	1.28	2.08	2.44	2.12		
19	2.50	25.00	9.45	55.00	95.80	322.80	344.60	5.08	1.46	2.16	2.42	2.12		
20	2.42	29.50	5.60	56.50	99.40	340.80	303.60	4.60	1.52	2.26	2.40	2.12		
21	2.72	40.00	5.30	55.00	110.80	357.00	251.60	4.00	1.52	2.28	2.40	2.10		
22	2.74	50.80	13.00	55.00	122.40	374.00	197.70	3.72	1.64	2.32	2.42	2.16		
23	2.46	59.80	18.60	54.70	127.60	394.80	143.80	3.28	1.64	2.26	2.48	2.16		
24	2.50	64.90	18.60	54.40	131.60	416.60	109.00	3.28	1.94	1.98	2.64	2.16		
25	2.68	68.80	19.00	58.30	137.00	445.60	81.50	3.30	2.00	1.84	2.66	2.16		
26	2.78	70.30	17.60	64.00	147.00	482.00	66.40	3.28	1.84	1.82	2.62	2.16		
27	2.82	68.80	17.40	69.40	157.00	524.00	55.20	3.20	1.74	1.86	2.56	2.16		
28	2.56	65.20	18.60	70.90	161.50	562.80	47.20	3.14	1.66	1.96	2.50	2.18		
29	2.46	58.90	17.20	67.60	172.50	625.10	40.00	2.88	1.56	2.12		2.20		
30	2.48	52.00	14.00	63.70	183.60	684.00	31.50	2.86	1.50	2.26		2.22		
31		45.10		63.40	195.00		25.20		1.58	2.38		2.22		
Total	78.90	874.08	747.65	1182.30	3421.00	9863.20	13788.57	269.24	65.62	62.84	67.94	66.60	30487.94	CMSDAY
Mean	2.63	28.20	24.92	38.14	110.35	328.77	444.79	8.97	2.12	2.03	2.43	2.15	83.53	CMS
Max	3.22	70.30	47.80	70.90	195.00	684.00	880.00	22.20	3.28	2.38	2.66	2.44	880.00	CMS
Min	1.70	2.58	5.30	12.60	65.80	186.00	25.20	2.86	1.28	1.66	2.20	1.74	1.28	CMS
Runoff	6.82	75.52	64.60	102.15	295.57	852.18	1191.33	23.26	5.67	5.43	5.87	5.75	2634.16	MCM
Momentary Peak	CMS. at 132.74 m. (MSL.) at 05.00 Hours , on Oct 6, 2022													
Runoff Yield	17.53	Liters/Second/Square KM.				Momentary Peak Yield				185.52	Liters/Second/Square KM.			

WATER YEAR : 2022**MUN RIVER BASIN****Lam Dom Yai at Ban Kham Samran, Ubon Ratehathani (M.170)**

Lat 14 - 47 - 27 N Long 105 - 06 - 10 E

Location : on right bank at the bridge

	Ban	Kham Samran	Amphoe	Det Udom	Changwat	Ubon Ratchathani
Drainge Area	1,744	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+123.300 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On right bank upstream at the footpath				Elevation	+133.374 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2001 to date					
Rating Operation						
Period of Rating	2001 to date					
Rated by Float	-					
Rated by Current Meter	2001 to date					
Stability of Channel Regimes	Stable with variable water surface slope.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 77 discharge measurements made in 2022.					

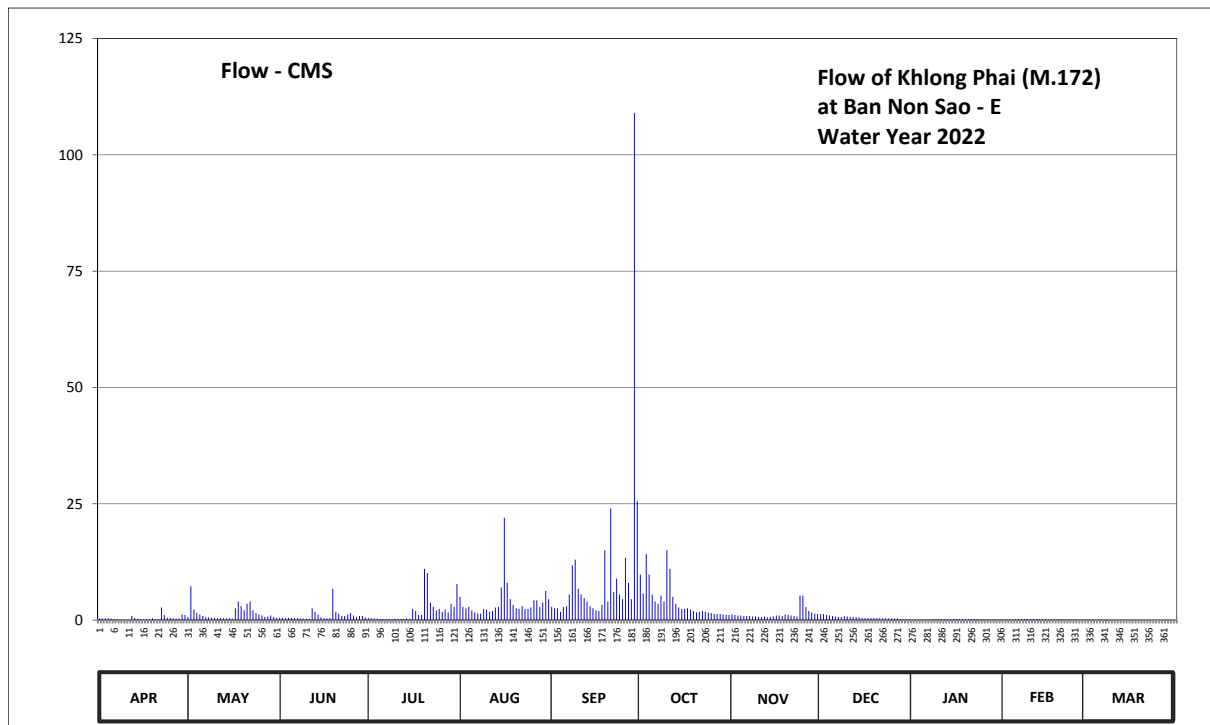
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	123.77	123.96	124.70	124.44	125.77	128.19	132.86	124.77	124.68	124.10	123.93	123.88	
2	123.97	124.09	124.63	124.37	125.63	127.65	132.46	124.65	124.63	124.09	123.94	123.87	
3	126.03	125.84	124.60	124.43	125.81	127.43	132.08	124.98	124.55	124.08	123.95	123.86	
4	127.05	127.13	124.73	124.51	126.20	128.11	131.82	124.97	124.50	124.07	123.97	123.86	
5	126.22	126.76	125.12	124.66	127.35	128.24	131.68	124.95	124.48	124.01	123.99	123.85	
6	125.36	126.20	124.97	124.58	128.02	128.05	131.56	124.93	124.27	123.87	124.02	123.85	
7	124.96	126.24	124.87	124.40	128.42	128.13	131.44	124.91	124.38	123.82	124.01	123.85	
8	124.69	125.88	124.75	124.35	128.78	128.02	131.27	124.89	124.41	123.80	124.00	123.84	
9	124.48	125.40	124.68	124.59	129.01	127.42	131.07	124.88	124.40	123.79	123.96	123.84	
10	124.33	125.05	124.63	125.07	129.29	127.04	130.84	124.86	124.35	123.79	123.92	123.84	
11	124.23	124.91	124.58	126.10	129.62	127.27	130.62	124.84	124.28	124.00	123.99	123.83	
12	124.16	124.81	124.49	127.43	130.77	127.93	130.44	124.84	124.32	124.12	123.98	123.82	
13	124.10	124.71	124.46	128.07	131.51	128.63	130.24	124.83	124.28	124.59	123.98	123.82	
14	124.06	124.63	124.46	128.29	131.45	129.10	129.86	124.80	124.20	124.86	123.97	123.82	
15	124.02	124.53	124.45	128.35	131.22	129.52	128.99	124.74	124.13	124.66	123.96	123.82	
16	124.03	124.59	124.39	127.96	130.91	129.74	128.05	124.45	124.25	124.46	123.98	123.81	
17	124.10	125.18	124.45	127.04	130.48	129.69	127.68	124.43	124.16	124.34	123.98	123.81	
18	124.12	126.02	124.55	126.72	129.89	129.63	127.30	124.73	124.03	124.27	123.96	123.81	
19	124.11	126.30	124.45	126.70	129.09	129.56	126.93	124.70	124.13	124.22	123.94	123.80	
20	124.07	126.51	124.39	126.45	128.62	129.51	126.61	124.66	124.16	124.18	123.93	123.80	
21	124.03	127.20	124.34	126.23	128.85	129.58	126.29	124.63	124.16	124.14	123.93	123.80	
22	124.00	127.00	124.35	126.21	129.20	129.75	126.04	124.50	124.16	124.11	123.93	123.80	
23	123.97	126.42	124.33	126.54	129.56	129.94	125.90	124.33	124.13	124.10	123.92	123.79	
24	123.96	125.97	124.32	126.38	130.05	130.17	125.80	124.52	124.18	124.07	123.92	123.79	
25	123.97	125.61	124.52	126.00	130.49	130.29	125.73	124.73	124.17	124.04	123.91	123.79	
26	123.93	125.31	124.56	125.82	130.63	130.36	125.63	124.90	124.13	124.02	123.90	123.79	
27	123.96	125.11	124.63	126.04	130.57	130.41	125.53	124.83	124.12	124.00	123.90	123.78	
28	124.05	124.96	124.58	126.33	130.38	130.71	125.46	124.75	124.12	123.98	123.89	123.78	
29	123.99	124.86	124.64	126.28	130.03	131.88	125.40	124.68	124.11	123.96		123.78	
30	123.95	124.82	124.60	126.21	129.47	132.83	125.29	124.63	124.11	123.95		123.77	
31		124.77		126.02	128.77		124.90		124.10	123.94		123.77	
Mean	124.39	125.51	124.57	126.02	129.22	129.16	128.57	124.74	124.26	124.11	123.95	123.82	
Max	127.05	127.20	125.12	128.35	131.51	132.83	132.86	124.98	124.68	124.86	124.02	123.88	132.86
Min	123.77	123.96	124.32	124.35	125.63	127.04	124.90	124.33	124.03	123.79	123.89	123.77	123.77
Annual Max Momentary Gage Height	132.97		m. (MSL.) ,			at 19.00 Hours, on Sep 30, 2022							
Zero Gage at Bottom Elevation	123.30		m. (MSL.) ,			River Bed	122.85	m. (MSL.)					
Left Bank Elevation		133.08		m. (MSL.) ,									
Right Bank Elevation		133.11		m. (MSL.) ,		Drainage Are	1,744	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.94	2.60	12.00	8.10	29.40	96.70	828.80	13.05	11.70	4.00	2.30	1.80	
2	2.70	3.90	10.95	7.05	26.60	80.50	636.80	11.25	10.95	3.90	2.40	1.70	
3	34.60	30.80	10.50	7.95	30.20	73.90	481.20	16.20	9.75	3.80	2.50	1.60	
4	62.50	64.90	12.45	9.15	38.00	94.30	394.20	16.05	9.00	3.70	2.70	1.60	
5	38.40	53.80	18.30	11.40	71.50	98.20	358.00	15.75	8.70	3.10	2.90	1.50	
6	21.90	38.00	16.05	10.20	91.60	92.50	328.40	15.45	5.70	1.70	3.20	1.50	
7	15.90	38.80	14.55	7.50	103.60	94.90	299.60	15.15	7.20	1.20	3.10	1.50	
8	11.85	31.60	12.75	6.75	114.40	91.60	266.60	14.85	7.65	1.00	3.00	1.40	
9	8.70	22.50	11.70	10.35	121.30	73.60	231.90	14.70	7.50	0.98	2.60	1.40	
10	6.45	17.25	10.95	17.55	129.70	62.20	204.00	14.40	6.75	0.98	2.20	1.40	
11	5.30	15.15	10.20	36.00	142.80	69.10	191.00	14.10	5.80	3.00	2.90	1.30	
12	4.60	13.65	8.85	73.90	198.50	88.90	182.00	14.10	6.30	4.20	2.80	1.20	
13	4.00	12.15	8.40	93.10	316.40	109.90	172.00	13.95	5.80	10.35	2.80	1.20	
14	3.60	10.95	8.40	99.70	302.00	124.00	153.00	13.50	5.00	14.40	2.70	1.20	
15	3.20	9.45	8.25	101.50	257.60	138.80	120.70	12.60	4.30	11.40	2.60	1.20	
16	3.30	10.35	7.35	89.80	211.00	147.60	92.50	8.25	5.50	8.40	2.80	1.10	
17	4.00	19.20	8.25	62.20	184.00	145.60	81.40	7.95	4.60	6.60	2.80	1.10	
18	4.20	34.40	9.75	52.60	154.50	143.20	70.00	12.45	3.30	5.70	2.60	1.10	
19	4.10	40.00	8.25	52.00	123.70	140.40	58.90	12.00	4.30	5.20	2.40	1.00	
20	3.70	46.30	7.35	44.50	109.60	138.40	49.30	11.40	4.60	4.80	2.30	1.00	
21	3.30	67.00	6.60	38.60	116.50	141.20	39.80	10.95	4.60	4.40	2.30	1.00	
22	3.00	61.00	6.75	38.20	127.00	148.00	34.80	9.00	4.60	4.10	2.30	1.00	
23	2.70	43.60	6.45	47.20	140.40	157.00	32.00	6.45	4.30	4.00	2.20	0.98	
24	2.60	33.40	6.30	42.40	162.50	168.50	30.00	9.30	4.80	3.70	2.20	0.98	
25	2.70	26.20	9.30	34.00	184.50	174.50	28.60	12.45	4.70	3.40	2.10	0.98	
26	2.30	21.15	9.90	30.40	191.50	178.00	26.60	15.00	4.30	3.20	2.00	0.98	
27	2.60	18.15	10.95	34.80	188.50	180.50	24.60	13.95	4.20	3.00	2.00	0.96	
28	3.50	15.90	10.20	40.90	179.00	195.50	23.40	12.75	4.20	2.80	1.90	0.96	
29	2.90	14.40	11.10	39.60	161.50	412.80	22.50	11.70	4.10	2.60		0.96	
30	2.50	13.80	10.50	38.20	136.80	814.40	20.85	10.95	4.10	2.50		0.94	
31		13.05		34.40	114.10		15.00		4.00	2.40	</		

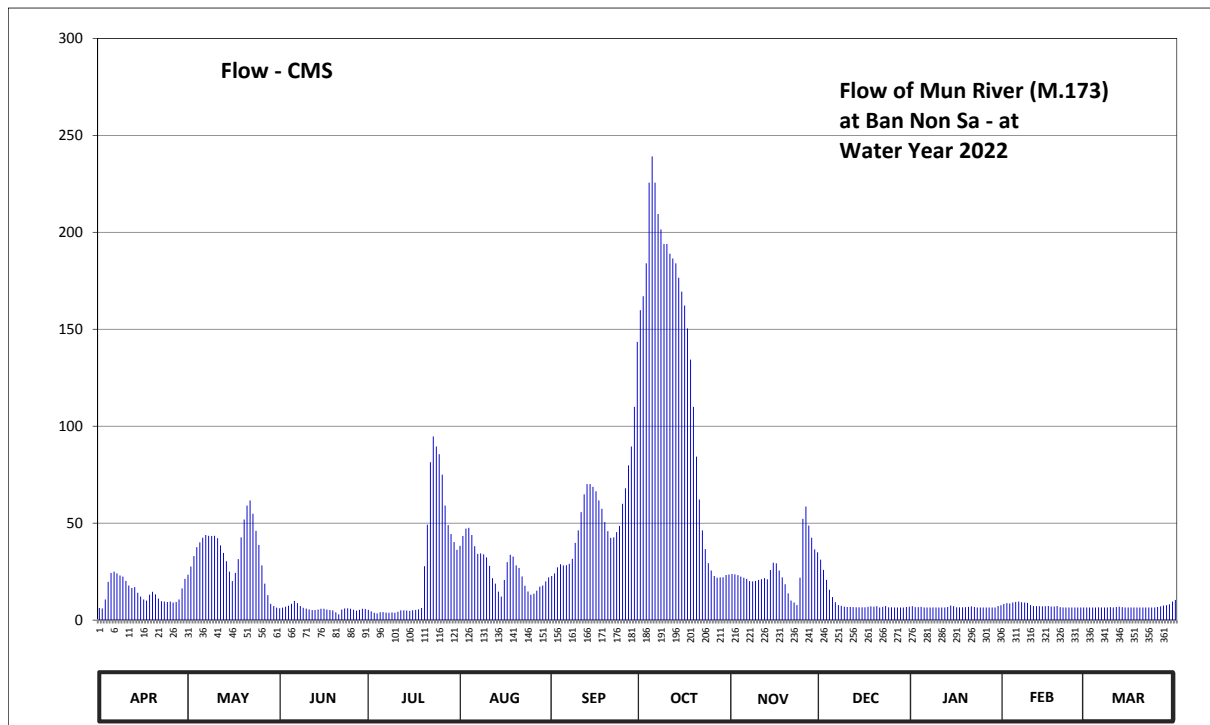
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.50	6.20	5.00	2.00	17.20	13.20	48.20	5.00	5.00	1.70	0.55	0.09		
2	2.75	22.20	5.00	1.80	15.20	10.00	29.40	5.60	5.00	1.70	0.55	0.09		
3	2.75	9.10	4.70	1.80	7.00	12.00	52.60	5.20	4.25	1.70	0.55	0.09		
4	3.50	5.80	5.80	1.40	7.60	13.60	48.20	5.20	4.25	1.70	1.70	0.09		
5	3.80	4.85	6.00	1.40	5.40	14.00	24.00	5.00	3.50	1.70	1.00	0.09		
6	2.75	4.25	5.00	1.00	4.85	10.80	19.80	4.85	3.50	1.60	2.30	0.09		
7	2.45	4.85	4.85	1.00	4.25	13.20	18.60	4.10	3.50	1.50	1.50	0.09		
8	2.00	6.00	4.55	1.00	4.25	39.60	21.60	4.10	3.50	1.40	1.50	0.09		
9	2.00	5.20	4.25	1.00	5.60	59.20	17.60	3.95	3.50	1.30	1.00	0.08		
10	1.80	6.20	4.10	1.00	8.50	21.60	58.10	3.80	3.50	1.40	0.91	0.08		
11	1.70	5.00	4.10	1.00	5.80	18.00	38.00	3.50	3.35	1.40	0.73	0.08		
12	1.80	4.40	6.20	1.00	5.00	23.40	19.80	3.65	3.20	1.40	0.64	0.08		
13	2.00	3.95	8.50	1.00	6.00	34.00	14.80	3.65	2.75	1.40	0.82	0.08		
14	2.00	3.80	10.40	1.40	8.50	16.00	12.00	3.65	2.00	1.40	0.82	0.08		
15	2.00	6.60	5.60	1.00	15.60	18.00	10.00	4.10	2.00	1.40	1.20	0.08		
16	1.60	4.85	3.95	4.40	37.20	12.40	9.70	4.55	2.00	1.00	1.40	0.07		
17	1.60	7.90	4.10	4.10	24.00	10.00	10.00	4.10	2.00	1.00	0.82	0.07		
18	7.00	17.60	4.40	2.30	13.60	16.00	9.10	3.80	2.00	1.00	0.82	0.07		
19	4.10	16.40	5.60	2.30	10.80	24.60	8.20	4.25	2.00	1.00	0.82	0.07		
20	3.05	10.40	4.85	12.80	8.20	13.60	7.60	4.25	2.00	1.00	0.82	0.07		
21	2.30	11.60	3.95	14.80	8.50	19.80	7.30	4.10	2.00	1.00	0.64	0.06		
22	7.00	18.60	4.25	10.40	8.80	14.00	6.80	4.10	2.00	0.91	0.55	0.06		
23	6.00	9.40	2.75	7.00	8.20	17.60	6.20	3.80	2.00	0.91	0.55	0.06		
24	3.95	6.60	5.00	5.80	7.90	12.80	6.00	19.20	2.00	0.82	0.55	0.06		
25	2.90	7.60	4.55	6.80	7.90	30.00	5.80	12.40	1.90	0.82	0.55	0.05		
26	1.90	6.40	3.05	4.70	12.40	44.40	5.40	9.10	1.90	0.82	0.55	0.05		
27	1.70	5.80	2.30	8.80	16.00	33.20	5.40	6.60	1.70	0.82	0.09	0.05		
28	5.20	5.60	3.20	5.40	10.80	15.60	5.80	6.60	1.70	0.82	0.09	0.05		
29	7.00	5.40	3.80	7.30	12.00	169.00	5.60	6.00	1.70	0.73		0.05		
30	5.00	6.20	2.60	12.00	18.60	99.60	5.40	5.80	1.70	0.64		0.05		
31		4.70		11.20	23.40		5.20		1.70	0.55		1.50		
Total	97.10	243.45	142.40	138.90	349.05	849.20	542.20	164.00	83.10	36.54	24.02	3.67	2673.63	CMSDAY
Mean														

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	293.15	293.22	293.20	293.19	293.48	293.39	293.66	293.27	293.28	293.04	293.04	293.04	
2	293.15	293.57	293.19	293.16	293.39	293.37	293.51	293.26	293.28	293.04	293.06	293.04	
3	293.16	293.35	293.17	293.14	293.37	293.37	293.78	293.25	293.26	293.04	293.06	293.04	
4	293.16	293.30	293.20	293.12	293.39	293.32	293.66	293.25	293.25	293.04	293.06	293.03	
5	293.14	293.27	293.19	293.10	293.34	293.39	293.50	293.24	293.24	293.04	293.09	293.03	
6	293.10	293.24	293.18	293.09	293.31	293.40	293.44	293.24	293.23	293.06	293.09	293.03	
7	293.06	293.21	293.16	293.09	293.29	293.50	293.42	293.24	293.22	293.07	293.09	293.02	
8	293.03	293.21	293.15	293.09	293.29	293.72	293.49	293.23	293.22	293.07	293.09	293.01	
9	293.02	293.20	293.13	293.10	293.36	293.75	293.44	293.23	293.24	293.08	293.09	293.01	
10	293.01	293.18	293.12	293.12	293.35	293.55	293.80	293.22	293.23	293.09	293.08	293.00	
11	293.01	293.18	293.11	293.11	293.32	293.50	293.70	293.22	293.22	293.09	293.08	293.00	
12	293.24	293.17	293.37	293.10	293.33	293.47	293.48	293.23	293.22	293.09	293.08	293.00	
13	293.17	293.16	293.32	293.11	293.38	293.44	293.42	293.21	293.21	293.09	293.08	293.00	
14	293.12	293.15	293.27	293.14	293.39	293.40	293.38	293.22	293.21	293.09	293.07	293.00	
15	293.07	293.16	293.21	293.12	293.56	293.37	293.36	293.23	293.19	293.09	293.07	293.00	
16	293.03	293.14	293.18	293.36	293.96	293.34	293.36	293.25	293.18	293.09	293.07	293.00	
17	293.07	293.37	293.15	293.33	293.60	293.33	293.37	293.25	293.18	293.08	293.07	293.00	
18	293.05	293.44	293.19	293.26	293.46	293.41	293.35	293.24	293.17	293.08	293.07	292.99	
19	293.16	293.40	293.55	293.26	293.41	293.80	293.33	293.27	293.17	293.08	293.07	292.99	
20	293.06	293.34	293.32	293.70	293.37	293.44	293.31	293.26	293.16	293.08	293.07	292.99	
21	293.05	293.42	293.29	293.67	293.36	294.00	293.32	293.25	293.16	293.08	293.06	292.99	
22	293.38	293.44	293.24	293.43	293.40	293.52	293.33	293.24	293.15	293.08	293.06	292.99	
23	293.26	293.34	293.24	293.39	293.36	293.63	293.32	293.23	293.15	293.08	293.06	292.99	
24	293.20	293.30	293.27	293.34	293.36	293.50	293.31	293.49	293.14	293.07	293.05	292.99	
25	293.17	293.27	293.30	293.36	293.38	293.46	293.30	293.49	293.14	293.07	293.05	292.98	
26	293.15	293.25	293.25	293.32	293.45	293.76	293.28	293.39	293.13	293.07	293.05	292.98	
27	293.13	293.22	293.22	293.35	293.45	293.60	293.28	293.33	293.16	293.06	293.04	292.98	
28	293.13	293.23	293.24	293.31	293.39	293.46	293.28	293.31	293.10	293.06	293.04	292.98	
29	293.27	293.25	293.24	293.42	293.43	295.10	293.27	293.29	293.05	293.06		292.98	
30	293.26	293.22	293.21	293.39	293.53	294.03	293.26	293.28	293.05	293.06		292.98	
31		293.20		293.59	293.46		293.26		293.04	293.06		292.98	
Mean	293.13	293.27	293.23	293.27	293.42	293.58	293.42	293.27	293.18	293.07	293.07	293.00	
Max	293.38	293.57	293.55	293.70	293.96	295.10	293.80	293.49	293.28	293.09	293.09	293.04	295.10
Min	293.01	293.14	293.11	293.09	293.29	293.32	293.26	293.21	293.04	293.04	293.04	292.98	292.98
Annual Max Momentary Gage Height	295.40		m. (MSL) ,		at 15.00 Hours, on Sep 29, 2022								
Zero Gage at Bottom Elevation	293.20		m. (MSL) ,		River Bed		292.91	m. (MSL.)					
Left Bank Elevation	299.11		m. (MSL) ,										
Right Bank Elevation	299.07		m. (MSL) ,		Drainage Are		143	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.38	0.70	0.50	0.48	5.00	2.85	9.80	1.20	1.30	0.10	0.10	0.10	
2	0.38	7.25	0.48	0.40	2.85	2.55	5.75	1.10	1.30	0.10	0.15	0.10	
3	0.40	2.25	0.43	0.35	2.55	2.55	14.20	1.00	1.10	0.10	0.15	0.10	
4	0.40	1.50	0.50	0.30	2.85	1.80	9.80	1.00	1.00	0.10	0.15	0.08	
5	0.35	1.20	0.48	0.25	2.10	2.85	5.50	0.90	0.90	0.10	0.23	0.08	
6	0.25	0.90	0.45	0.23	1.65	3.00	4.00	0.90	0.80	0.15	0.23	0.08	
7	0.15	0.60	0.40	0.23	1.40	5.50	3.50	0.90	0.70	0.18	0.23	0.05	
8	0.08	0.60	0.38	0.23	1.40	11.80	5.25	0.80	0.70	0.18	0.23	0.03	
9	0.05	0.50	0.33	0.25	2.40	13.00	4.00	0.80	0.90	0.20	0.23	0.03	
10	0.03	0.45	0.30	0.30	2.25	6.75	15.00	0.70	0.80	0.23	0.20	0.00	
11	0.03	0.45	0.28	0.28	1.80	5.50	11.00	0.70	0.70	0.23	0.20	0.00	
12	0.90	0.43	2.55	0.25	1.95	4.75	5.00	0.80	0.70	0.23	0.20	0.00	
13	0.43	0.40	1.80	0.28	2.70	4.00	3.50	0.60	0.60	0.23	0.20	0.00	
14	0.30	0.38	1.20	0.35	2.85	3.00	2.70	0.70	0.60	0.23	0.18	0.00	
15	0.18	0.40	0.60	0.30	7.00	2.55	2.40	0.80	0.48	0.23	0.18	0.00	
16	0.08	0.35	0.45	2.40	22.00	2.10	2.40	1.00	0.45	0.23	0.18	0.00	
17	0.18	2.55	0.38	1.95	8.00	1.95	2.55	1.00	0.45	0.20	0.18	0.00	
18	0.13	4.00	0.48	1.10	4.50	3.25	2.25	0.90	0.43	0.20	0.18	0.00	
19	0.40	3.00	6.75	1.10	3.25	15.00	1.95	1.20	0.43	0.20	0.18	0.00	
20	0.15	2.10	1.80	11.00	2.55	4.00	1.65	1.10	0.40	0.20	0.18	0.00	
21	0.13	3.50	1.40	10.10	2.40	24.00	1.80	1.00	0.40	0.20	0.15	0.00	
22	2.70	4.00	0.90	3.75	3.00	6.00	1.95	0.90	0.38	0.20	0.15	0.00	
23	1.10	2.10	0.90	2.85	2.40	8.90	1.80	0.80	0.38	0.20	0.15	0.00	
24	0.50	1.50	1.20	2.10	2.40	5.50	1.65	5.25	0.35	0.18	0.13	0.00	
25	0.43	1.20	1.50	2.40	2.70	4.50	1.50	5.25	0.35	0.18	0.13	0.00	
26	0.38	1.00	1.00	1.80	4.25	13.40	1.30	2.85	0.33	0.18	0.13	0.00	
27	0.33	0.70	0.70	2.25	4.25	8.00	1.30	1.95	0.40	0.15	0.10	0.00	
28	0.33	0.80	0.90	1.65	2.85	4.50	1.30	1.65	0.25	0.15	0.10	0.00	
29	1.20	1.00	0.90	3.50	3.75	109.00	1.20	1.40	0.13	0.15		0.00	
30	1.10	0.70	0.60	2.85	6.25	25.50	1.10	1.30	0.13	0.15		0.00	
31		0.50		7.75	4.50		1.10		0.10	0.15		0.00	
Total	13.45	47.01	30.54	63.03	119.80	308.05	128.20	40.45	17.94	5.51	4.80	0.65	779.43 CMSDAY
Mean	0.45	1.52	1.02	2.03	3.86	10.27	4.14	1.35	0.58	0.18	0.17	0.02	2.14 CMS
Max	2.70	7.25	6.75	11.00	22.00	109.00	15.00	5.25	1.30	0.23	0.23	0.10	109.00 CMS
Min	0.03	0.35	0.28	0.23	1.40	1.80	1.10	0.60	0.10	0.10	0.10	0.00	0.00 CMS
Runoff	1.16	4.06	2.64	5.45	10.35	26.62	11.08	3.49	1.55	0.48	0.41	0.06	67.34 MCM
Momentary Peak	143.00 CMS. at 295.40 m. (MSL.) at 15.00 Hours , on Sep 29, 2022												
Runoff Yield	14.93	Liters/Second/Square KM.		Momentary Peak Yield		1000.00	Liters/Second/Square KM.						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	6.28	23.40	6.13	5.30	38.25	22.80	159.80	23.80	31.20	7.18	8.30	6.50		
2	5.98	27.60	6.43	4.55	43.38	24.10	167.00	23.60	25.90	6.65	8.70	6.50		
3	10.60	33.00	6.95	3.80	47.20	27.20	184.00	23.20	20.80	6.65	8.60	6.50		
4	19.70	37.63	7.40	3.50	47.60	28.80	225.60	22.40	15.70	6.88	9.10	6.50		
5	24.30	40.13	8.40	4.03	43.88	28.20	239.10	21.90	11.90	6.50	9.40	6.58		
6	25.00	42.50	9.90	4.10	38.13	28.30	225.60	21.30	9.20	6.50	9.60	6.50		
7	24.10	43.88	8.70	3.88	34.13	29.00	209.40	20.10	7.78	6.50	9.20	6.50		
8	23.00	43.50	7.25	3.80	34.38	31.60	201.50	20.00	7.33	6.50	9.10	6.50		
9	22.40	43.38	6.35	3.95	33.88	39.88	194.00	20.20	6.95	6.50	8.90	6.65		
10	20.20	43.50	5.90	3.80	32.38	46.25	194.00	20.70	6.80	6.50	7.78	6.50		
11	17.80	42.25	5.53	4.25	28.00	55.70	189.00	21.10	6.73	6.50	7.25	6.73		
12	16.60	38.50	5.23	5.00	21.60	64.85	186.50	21.60	6.65	6.50	7.18	6.95		
13	17.00	34.63	5.23	5.00	18.80	70.10	184.00	21.00	6.58	6.80	7.18	6.65		
14	14.10	30.40	5.45	4.93	14.70	70.10	176.60	25.80	6.58	7.48	7.10	6.50		
15	12.10	25.00	5.83	4.78	12.10	68.70	169.40	29.60	6.58	7.18	7.18	6.50		
16	10.60	20.10	5.83	5.08	20.70	66.43	162.20	29.30	6.58	6.58	7.25	6.50		
17	10.10	24.30	5.45	5.30	29.90	61.70	150.40	25.60	6.88	6.58	7.03	6.50		
18	13.10	31.40	5.23	5.53	33.63	57.40	134.30	22.00	7.10	6.58	7.03	6.50		
19	14.60	42.63	5.00	6.28	32.75	50.60	110.00	18.50	6.95	6.65	7.25	6.50		
20	13.30	51.90	4.03	27.80	28.20	45.88	84.30	13.80	7.18	6.88	6.65	6.50		
21	11.10	59.08	2.98	49.20	26.90	42.38	62.23	10.10	6.50	7.10	6.50	6.50		
22	9.70	61.70	5.45	81.40	22.50	42.63	46.25	9.10	6.88	6.73	6.50	6.50		
23	9.60	54.85	5.98	94.70	17.70	45.38	36.63	7.78	7.25	6.50	6.50	6.50		
24	9.30	46.00	6.13	89.50	14.80	48.60	29.40	21.90	6.58	6.50	6.50	6.50		
25	9.60	38.75	5.83	85.60	13.10	59.95	25.60	52.20	6.58	6.50	6.50	6.80		
26	9.10	28.20	5.38	75.00	13.60	68.00	22.80	58.55	6.50	6.50	6.50	7.10		
27	9.30	18.80	4.85	59.08	15.20	79.80	21.90	48.80	6.50	6.50	6.50	7.48		
28	10.60	12.90	5.30	49.00	17.20	89.50	22.00	42.50	6.50	6.50	6.50	7.63		
29	16.30	8.40	5.83	44.38	17.80	110.00	22.10	36.50	6.50	6.50		8.20		
30	21.30	7.25	5.75	40.25	20.00	143.50	23.30	35.00	6.73	7.25		9.60		
31		6.43		36.25	22.00		23.50		6.95	7.70		10.40		
Total	436.76	1061.99	179.70	819.02	834.39	1647.33	3882.41	767.93	284.84	208.37	211.78	214.27	10548.79	CMSDAY
Mean	14.56	34.26	5.99	26.42	26.92	54.91	125.24	25.60	9.19	6.72	7.56	6.91	28.90	CMS
Max	25.00	61.70	9.90	94.70	47.60	143.50	239.10	58.55	31.20	7.70	9.60	10.40	239.10	CMS
Min	5.98	6.43	2.98	3.50	12.10	22.80	21.90	7.78	6.50	6.50	6.50	6.50	2.98	CMS
Runoff	37.74	91.76	15.53	70.76	72.09	142.33	335.44	66.35	24.61	18.00	18.30	18.51	911.42	MCM
Momentary Peak		241.80	CMS. at 182.14 m. (MSL.)		at 03.00 Hours		, on Oct 2, 2022							
Runoff Yield		6.85	Liters/Second/Square KM.		Momentary Peak Yield	57.27	Liters/Second/Square KM.							

WATER YEAR : 2022**MUN RIVER BASIN****Huai Khayung at Ban Non Si Khlai, Si Sa Ket (M.176)**

Lat 15 - 00 - 23 N Long 104 - 38 - 00 E

Location : on left bank at Ban Non Si Khlai.

	Ban	Non Si Khlai	Amphoe	Kanthararom	Changwat	Si Sa Ket
Drainge Area	3,007	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+110.200 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the footpath of the bridge.				Elevation	+124.131 m. (MSL.)
Gage Reading Frequency	Recording.					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.					
Period of Available Gage Records	2003 to date					
Rating Operation						
Period of Rating	2003 to date					
Rated by Float	-					
Rated by Current Meter	2003 to date					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	Overbank flow starts at elevation +123.580 m.(MSL.) and is including overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 52 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

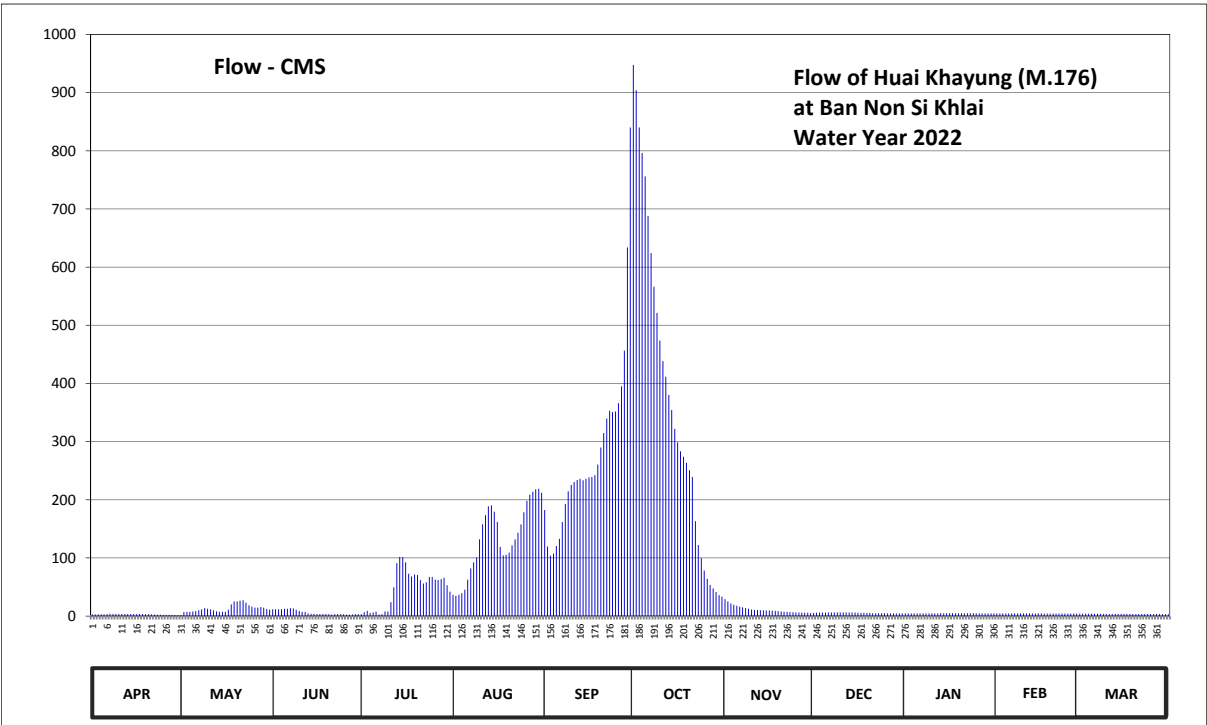
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	112.19	111.65	112.17	111.23	113.83	118.26	123.56	117.00	113.17	112.87	112.90	112.69	
2	112.21	111.68	112.18	111.65	113.74	116.69	123.46	116.76	113.33	112.87	112.89	112.68	
3	112.23	111.71	112.14	111.91	113.83	116.23	123.30	116.52	113.41	112.87	112.89	112.67	
4	112.23	111.72	112.17	111.52	113.96	116.35	123.19	116.34	113.45	112.85	112.88	112.65	
5	112.21	111.80	112.27	111.62	114.27	116.71	123.09	116.19	113.46	112.85	112.87	112.64	
6	112.39	111.84	112.26	111.78	114.86	117.02	122.90	116.02	113.48	112.85	112.86	112.62	
7	112.64	112.00	112.37	111.14	115.50	117.74	122.70	115.90	113.48	112.85	112.85	112.61	
8	112.58	112.15	112.32	111.24	115.85	118.52	122.52	115.78	113.49	112.84	112.85	112.59	
9	112.50	112.37	112.09	111.79	116.13	119.06	122.32	115.65	113.50	112.84	112.84	112.57	
10	112.43	112.27	111.89	111.79	117.00	119.34	122.10	115.46	113.52	112.84	112.83	112.57	
11	112.38	112.14	111.75	113.19	117.65	119.46	121.91	115.29	113.54	112.86	112.83	112.56	
12	112.43	112.00	111.71	114.42	118.04	119.55	121.73	115.19	113.55	112.89	112.82	112.55	
13	112.44	111.82	111.47	115.80	118.42	119.60	121.52	115.09	113.54	112.94	112.82	112.55	
14	112.43	111.73	111.39	116.16	118.46	119.54	121.31	114.99	113.49	112.93	112.80	112.51	
15	112.43	111.73	111.41	116.14	118.19	119.60	121.04	114.89	113.43	112.93	112.81	112.52	
16	112.44	111.73	111.32	115.85	117.75	119.66	120.77	114.79	113.34	112.93	112.81	112.51	
17	112.42	112.11	111.30	115.20	116.67	119.68	120.58	114.69	113.22	112.93	112.79	112.49	
18	112.43	113.00	111.30	115.04	116.24	119.76	120.44	114.59	113.15	112.93	112.79	112.49	
19	112.34	113.26	111.30	115.15	116.28	120.17	120.23	114.42	113.09	112.92	112.78	112.47	
20	112.28	113.26	111.24	115.12	116.41	120.66	119.97	114.18	113.05	112.92	112.77	112.47	
21	112.17	113.32	111.17	114.83	116.74	120.97	119.68	113.97	113.02	112.92	112.76	112.45	
22	112.11	113.36	111.23	114.64	116.99	121.19	119.34	113.82	112.99	112.92	112.76	112.44	
23	112.03	113.15	111.31	114.70	117.28	121.30	119.00	113.73	112.95	112.92	112.74	112.43	
24	111.94	112.87	111.28	115.01	117.64	121.28	118.72	113.64	112.92	112.92	112.74	112.41	
25	111.89	112.62	111.21	115.01	118.16	121.29	118.44	113.57	112.92	112.92	112.74	112.40	
26	111.89	112.46	111.14	114.86	118.66	121.41	118.20	113.49	112.91	112.91	112.74	112.40	
27	111.86	112.45	111.10	114.84	118.92	121.62	117.99	113.41	112.90	112.91	112.71	112.39	
28	111.79	112.56	111.16	114.88	119.04	122.02	117.79	113.32	112.89	112.91	112.70	112.37	
29	111.74	112.45	111.23	114.97	119.15	122.73	117.58	113.26	112.88	112.91		112.36	
30	111.69	112.22	111.27	114.54	119.17	123.30	117.35	113.06	112.87	112.91		112.34	
31		112.11		114.10	119.00		117.23		112.87	112.91		112.33	
Mean	112.22	112.31	111.61	113.87	116.90	119.69	120.64	114.83	113.22	112.90	112.81	112.51	
Max	112.64	113.36	112.37	116.16	119.17	123.30	123.56	117.00	113.55	112.94	112.90	112.69	123.56
Min	111.69	111.65	111.10	111.14	113.74	116.23	117.23	113.06	112.87	112.84	112.70	112.33	111.10

Annual Max Momentary Gage Height 123.63 m. (MSL.) , at 11.00 Hours, on Oct 1, 2022

Zero Gage at Bottom Elevation 110.20 m. (MSL.) , River Bed 110.29 m. (MSL.)

Left Bank Elevation 123.84 m. (MSL.) ,

Right Bank Elevation 123.57 m. (MSL.) , Drainage Are 3,007 Square Kilometers



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.98	1.79	11.70	3.15	36.60	182.40	947.60	29.00	5.43	4.68	4.75	4.23		
2	3.03	6.80	11.80	6.50	34.80	119.60	904.00	25.40	5.83	4.68	4.73	4.20		
3	3.08	7.10	11.40	9.10	36.60	103.90	840.00	21.80	6.03	4.68	4.73	4.18		
4	3.08	7.20	11.70	5.20	39.20	107.50	796.00	19.40	6.13	4.63	4.70	4.13		
5	3.03	8.00	12.70	6.20	45.40	120.40	756.00	17.90	6.15	4.63	4.68	4.10		
6	3.48	8.40	12.60	7.80	62.80	132.80	688.00	16.20	6.20	4.63	4.65	4.05		
7	4.10	10.00	13.70	2.70	82.00	161.60	624.00	15.00	6.20	4.63	4.63	4.03		
8	3.95	11.50	13.20	3.20	92.50	192.80	566.40	13.80	6.23	4.60	4.63	3.98		
9	3.75	13.70	10.90	7.90	100.90	214.40	521.12	12.50	6.25	4.60	4.60	3.93		
10	3.58	12.70	8.90	7.90	132.00	225.60	473.60	11.30	6.30	4.60	4.58	3.93		
11	3.45	11.40	7.50	23.80	158.00	230.40	438.50	10.73	6.35	4.65	4.58	3.90		
12	3.58	10.00	7.10	49.60	173.60	234.00	411.50	10.48	6.38	4.73	4.55	3.88		
13	3.60	8.20	4.70	91.00	188.80	236.00	380.00	10.23	6.35	4.85	4.55	3.88		
14	3.58	7.30	3.95	101.80	190.40	233.60	354.20	9.98	6.23	4.83	4.50	3.78		
15	3.58	7.30	4.10	101.20	179.60	236.00	321.80	9.73	6.08	4.83	4.53	3.80		
16	3.60	7.30	3.60	92.50	162.00	238.40	298.60	9.48	5.85	4.83	4.53	3.78		
17	3.55	11.10	3.50	73.00	118.80	239.20	283.40	9.23	5.55	4.83	4.48	3.73		
18	3.58	20.00	3.50	68.20	104.20	242.40	274.00	8.98	5.38	4.83	4.48	3.73		
19	3.35	25.20	3.50	71.50	105.40	260.50	263.50	8.55	5.23	4.80	4.45	3.68		
20	3.20	25.20	3.20	70.60	109.30	289.80	250.80	7.95	5.13	4.80	4.43	3.68		
21	2.93	26.40	2.85	61.90	121.60	314.60	239.20	7.43	5.05	4.80	4.40	3.63		
22	2.78	27.20	3.15	56.20	131.60	339.80	163.20	7.05	4.98	4.80	4.40	3.60		
23	2.58	23.00	3.55	58.00	143.20	353.00	122.00	6.83	4.88	4.80	4.35	3.58		
24	2.35	18.70	3.40	67.30	157.60	350.60	99.60	6.60	4.80	4.80	4.35	3.53		
25	2.23	16.20	3.05	67.30	178.40	351.80	78.40	6.43	4.80	4.80	4.35	3.50		
26	2.23	14.60	2.70	62.80	198.40	366.20	64.00	6.23	4.78	4.78	4.35	3.50		
27	2.15	14.50	2.50	62.20	208.80	395.00	53.70	6.03	4.75	4.78	4.28	3.48		
28	1.99	15.60	2.80	63.40	213.60	456.32	47.70	5.80	4.73	4.78	4.25	3.43		
29	1.92	14.50	3.15	66.10	218.00	633.60	41.40	5.65	4.70	4.78		3.40		
30	1.85	12.20	3.35	53.20	218.80	840.00	36.00	5.15	4.68	4.78		3.35		
31		11.10		42.00	212.00		33.60		4.68	4.78		3.33		
Total	92.14	414.19	193.75	1463.25	4154.90	8402.22	11371.82	340.84	172.11	147.02	126.49	116.93	26995.66	CMSDAY
Mean	3.07	13.36	6.46	47.20	134.03	280.07	366.83	11.36	5.55	4.74	4.52	3.77	73.96	CMS
Max	4.10	27.20	13.70	101.80	218.80	840.00	947.60	29.00	6.38	4.85	4.75	4.23	947.60	CMS
Min	1.85	1.79	2.50	2.70	34.80	103.90	33.60	5.15	4.68	4.60	4.25	3.33	1.79	CMS
Runoff	7.96	35.79	16.74	126.42	358.98	725.95	982.53	29.45	14.87	12.70	10.93	10.10	2332.43	MCM
Momentary Peak	980.10 CMS, at 123.63 m. (MSL.), at 11.00 Hours, on Oct 1, 2022													
Runoff Yield	24.60	Liters/Second/Square KM.			Momentary Peak Yield			325.94	Liters/Second/Square KM.					

WATER YEAR : 2022**MUN RIVER BASIN****Lam Ta Khong at Ban Non Sawang, Nakhon Ratchasima (M.177)**

Lat 14 - 51 - 01 N Long 101 - 37 - 00 E

Location : on right bank at the bridge.

	Ban	Non Sawang	Amphoe	Si Khiu	Changwat	Nakhon Ratchasima
Drainge Area	1,464	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+236.700 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On right bank at the footpath of the bridge.				Elevation	+243.940 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2003 to date					
Rating Operation						
Period of Rating	2003 to date					
Rated by Float	-					
Rated by Current Meter	2003 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 28 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	240.09	239.77	239.25	239.44	240.00	240.11	239.28	240.32	239.05	239.58	239.77	239.82	
2	240.14	239.93	239.25	239.52	240.00	240.16	239.16	240.31	239.03	239.58	239.77	239.82	
3	240.14	239.87	239.26	239.77	240.04	240.24	239.40	240.28	239.02	239.58	239.77	239.82	
4	240.11	239.87	239.27	239.94	240.05	240.28	239.41	240.23	239.02	239.58	239.77	239.81	
5	240.16	239.87	239.28	239.94	240.00	240.27	239.40	240.23	239.01	239.58	239.77	239.81	
6	240.26	239.89	239.27	239.95	240.00	239.84	239.41	240.06	239.01	239.59	239.76	239.81	
7	240.25	239.81	239.27	240.13	240.00	239.83	239.59	240.07	239.13	239.60	239.77	239.82	
8	240.22	239.64	239.28	240.13	240.00	239.99	239.65	240.07	239.13	239.58	239.77	239.85	
9	240.19	239.58	239.28	240.13	240.01	239.98	239.69	240.06	239.13	239.58	239.78	239.85	
10	240.18	239.60	239.29	240.14	240.01	239.92	240.62	239.83	239.11	239.57	239.78	239.85	
11	240.16	239.60	239.28	240.15	240.04	239.94	240.09	239.81	239.07	239.57	239.79	239.85	
12	240.13	239.57	239.28	240.14	240.05	240.14	240.03	239.74	239.07	239.58	239.78	239.85	
13	240.12	239.59	239.28	240.13	240.04	240.09	240.15	239.62	239.07	239.58	239.78	239.85	
14	240.10	239.63	239.38	240.13	240.03	239.93	240.26	239.59	239.08	239.58	239.79	239.85	
15	240.19	239.52	239.44	240.13	240.02	239.95	240.24	239.45	239.11	239.58	239.79	239.84	
16	240.23	239.51	239.43	240.12	240.06	240.00	240.25	239.34	239.18	239.59	239.79	239.84	
17	240.15	239.51	239.45	240.12	240.04	240.10	240.23	239.05	239.17	239.59	239.79	239.84	
18	240.16	239.24	239.46	240.09	240.04	240.09	240.21	239.05	239.19	239.69	239.79	239.84	
19	240.33	238.96	239.46	240.01	240.04	240.08	240.20	239.06	239.21	240.02	239.78	239.84	
20	240.28	238.88	239.45	239.99	240.05	240.08	240.19	239.06	239.38	240.02	239.78	239.83	
21	240.25	238.88	239.45	239.55	240.05	240.02	240.18	239.10	239.69	240.00	239.78	239.86	
22	240.18	238.88	239.45	239.23	240.05	239.95	240.18	239.20	239.70	240.00	239.77	239.88	
23	240.08	238.79	239.45	239.25	240.05	239.95	240.18	239.23	239.66	240.00	239.77	239.88	
24	239.95	238.85	239.46	239.23	240.05	240.00	240.17	239.37	239.57	240.00	239.84	239.89	
25	239.92	238.87	239.45	239.18	240.05	239.99	240.16	239.33	239.57	239.99	239.88	239.90	
26	240.11	239.19	239.46	239.17	240.05	240.11	240.16	239.04	239.57	239.89	239.88	239.90	
27	240.02	239.20	239.45	239.20	240.07	239.99	240.17	239.06	239.58	239.78	239.87	239.90	
28	240.06	239.22	239.34	239.65	240.09	239.65	240.33	239.06	239.58	239.78	239.85	239.90	
29	239.85	239.23	239.30	239.86	240.07	240.11	240.33	239.03	239.58	239.77		239.89	
30	239.80	239.24	239.44	239.98	240.12	239.77	240.33	239.04	239.58	239.77		239.89	
31		239.24		239.98	240.13		240.32		239.58	239.77		239.89	
Mean	240.13	239.40	239.36	239.82	240.04	240.02	240.00	239.56	239.28	239.72	239.79	239.85	
Max	240.33	239.93	239.46	240.15	240.13	240.28	240.62	240.32	239.70	240.02	239.88	239.90	240.62
Min	239.80	238.79	239.25	239.17	240.00	239.65	239.16	239.03	239.01	239.57	239.76	239.81	238.79
Annual Max Momentary Gage Height	240.96		m. (MSL.) ,			at 07.00 Hours, on Oct 10, 2022							
Zero Gage at Bottom Elevation	236.70		m. (MSL.) ,			River Bed	237.67	m. (MSL.)					
Left Bank Elevation		243.95		m. (MSL.) ,									
Right Bank Elevation		243.93		m. (MSL.) ,		Drainage Are	1,464	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	18.60	12.85	6.05	8.28	16.80	19.00	6.38	23.22	4.15	10.04	12.85	13.64	
2	19.60	15.54	6.05	9.26	16.80	20.00	5.14	23.01	3.97	10.04	12.85	13.64	
3	19.60	14.49	6.16	12.85	17.60	21.60	7.80	22.40	3.88	10.04	12.85	13.64	
4	19.00	14.49	6.27	15.72	17.80	22.40	7.92	21.40	3.88	10.04	12.85	13.47	
5	20.00	14.49	6.38	15.72	16.80	22.20	7.80	21.40	3.79	10.04	12.85	13.47	
6	22.00	14.83	6.27	15.90	16.80	13.98	7.92	18.00	3.79	10.17	12.70	13.47	
7	21.80	13.47	6.27	19.40	16.80	13.81	10.17	18.20	4.87	10.30	12.85	13.64	
8	21.20	10.90	6.38	19.40	16.80	16.62	11.05	18.20	4.87	10.04	12.85	14.15	
9	20.60	10.04	6.38	19.40	17.00	16.44	11.65	18.00	4.87	10.04	13.00	14.15	
10	20.40	10.30	6.49	19.60	17.00	15.36	29.64	13.81	4.69	9.91	13.00	14.15	
11	20.00	10.30	6.38	19.80	17.60	15.72	18.60	13.47	4.33	9.91	13.15	14.15	
12	19.40	9.91	6.38	19.60	17.80	19.60	17.40	12.40	4.33	10.04	13.00	14.15	
13	19.20	10.17	6.38	19.40	17.60	18.60	19.80	10.60	4.33	10.04	13.00	14.15	
14	18.80	10.75	7.56	19.40	17.40	15.54	22.00	10.17	4.42	10.04	13.15	14.15	
15	20.60	9.26	8.28	19.40	17.20	15.90	21.60	8.40	4.69	10.04	13.15	13.98	
16	21.40	9.13	8.16	19.20	18.00	16.80	21.80	7.08	5.32	10.17	13.15	13.98	
17	19.80	9.13	8.40	19.20	17.60	18.80	21.40	4.15	5.23	10.17	13.15	13.98	
18	20.00	5.94	8.52	18.60	17.60	18.60	21.00	4.15	5.41	11.65	13.15	13.98	
19	23.43	3.38	8.52	17.00	17.60	18.40	20.80	4.24	5.61	17.20	13.00	13.98	
20	22.40	2.74	8.40	16.62	17.80	18.40	20.60	4.24	7.56	17.20	13.00	13.81	
21	21.80	2.74	8.40	9.65	17.80	17.20	20.40	4.60	11.65	16.80	13.00	14.32	
22	20.40	2.74	8.40	5.83	17.80	15.90	20.40	5.50	11.80	16.80	12.85	14.66	
23	18.40	2.05	8.40	6.05	17.80	15.90	20.40	5.83	11.20	16.80	12.85	14.66	
24	15.90	2.50	8.52	5.83	17.80	16.80	20.20	7.44	9.91	16.80	13.98	14.83	
25	15.36	2.66	8.40	5.32	17.80	16.62	20.00	6.96	9.91	16.62	14.66	15.00	
26	19.00	5.41	8.52	5.23	17.80	19.00	20.00	4.06	9.91	14.83	14.66	15.00	
27	17.20	5.50	8.40	5.50	18.20	16.62	20.20	4.24	10.04	13.00	14.49	15.00	
28	18.00	5.72	7.08	11.05	18.60	11.05	23.43	4.24	10.04	13.00	14.15	15.00	
29	14.15	5.83	6.60	14.32	18.20	19.00	23.43	3.97	10.04	12.85		14.83	
30	13.30	5.94	8.28	16.44	19.20	12.85	23.43	4.06	10.04	12.85		14.83	
31		5.94		16.44	19.40		23.22		10.04	12.85			

WATER YEAR : 2022**MUN RIVER BASIN****Lam Sa Bai at Ban Pa Kor, Ubon Ratchathani (M.179A)**

Lat 15 - 30 - 11 N Long 104 - 35 - 44 E

Location : on right bank at the bridge.

	Ban	Pa Kor	Amphoe	Khueang Nai	Changwat	Ubon Ratchathani
Drainage Area	3,551	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+109.800 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On right bank at the footpath of the bridge.				Elevation	+123.434 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.					
Period of Available Gage Records	2013 to date					
Rating Operation						
Period of Rating	2013 to date					
Rated by Float	-					
Rated by Current Meter	2013 to date					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 43 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	113.24	113.92	113.33	112.26	112.92	116.64	118.67	115.99	114.66	114.47	114.13	114.07	
2	113.24	113.93	113.32	112.23	112.68	116.43	118.86	115.80	114.46	114.46	114.13	114.05	
3	113.25	113.84	113.26	112.21	112.66	116.23	119.30	115.65	114.39	114.46	114.12	114.03	
4	113.25	113.82	113.22	112.19	112.96	115.99	119.63	115.46	114.41	114.46	114.11	114.01	
5	113.25	113.82	113.41	112.16	113.23	115.72	119.91	115.29	114.39	114.46	114.10	114.00	
6	113.27	113.81	113.42	112.12	113.23	115.41	120.10	115.16	114.28	114.46	114.09	113.98	
7	113.35	113.81	113.28	112.09	113.34	115.09	120.23	115.02	114.30	114.47	114.08	113.97	
8	113.50	113.80	113.59	112.08	113.10	114.84	120.29	114.89	114.35	114.47	114.07	113.97	
9	113.62	113.81	113.98	112.24	113.23	114.79	120.28	114.76	114.38	114.47	114.06	113.95	
10	113.64	113.90	114.03	112.26	113.65	114.44	120.23	114.64	114.41	114.46	114.20	113.94	
11	113.66	113.94	113.72	112.28	113.73	114.15	120.13	114.53	114.44	114.48	114.50	113.93	
12	113.79	113.93	113.67	112.59	113.72	114.14	120.01	114.47	114.46	114.49	114.41	113.92	
13	113.94	113.94	113.48	113.18	114.03	114.27	119.83	114.40	114.47	114.49	114.29	113.91	
14	114.03	113.95	113.42	113.46	114.11	114.44	119.59	114.30	114.47	114.49	114.28	113.89	
15	113.97	113.94	113.21	113.28	114.06	114.60	119.41	114.22	114.47	114.49	114.27	113.87	
16	113.90	113.89	112.99	113.27	114.30	114.73	119.18	114.20	114.48	114.48	114.26	113.85	
17	113.88	113.84	112.79	113.30	114.49	114.68	118.96	114.19	114.48	114.48	114.25	113.84	
18	113.89	113.83	112.76	113.32	114.62	114.70	118.72	114.18	114.48	114.48	114.25	113.82	
19	113.90	113.81	112.73	113.53	114.58	114.79	118.42	114.14	114.47	114.48	114.23	113.80	
20	113.89	113.73	112.70	113.83	114.73	114.98	118.09	114.10	114.47	114.47	114.22	113.80	
21	113.88	113.73	112.66	113.97	115.24	115.20	117.84	114.06	114.47	114.46	114.20	113.79	
22	113.88	113.73	112.62	113.87	115.46	115.42	117.59	114.02	114.46	114.46	114.18	113.78	
23	113.88	113.75	112.58	113.57	115.61	115.74	117.36	114.02	114.46	114.49	114.18	113.77	
24	113.88	113.69	112.53	113.39	115.67	115.89	117.20	114.06	114.46	114.58	114.16	113.75	
25	113.87	113.52	112.49	113.36	115.96	115.86	117.03	114.12	114.47	114.66	114.13	113.72	
26	113.87	113.44	112.45	113.42	116.47	116.08	116.79	114.19	114.47	114.50	114.11	113.71	
27	113.87	113.38	112.42	113.27	116.92	116.37	116.61	114.27	114.48	114.22	114.10	113.70	
28	113.86	113.36	112.38	113.40	117.06	116.95	116.46	114.32	114.48	114.13	114.08	113.68	
29	113.86	113.36	112.34	113.36	117.09	118.33	116.33	114.39	114.47	114.15		113.66	
30	113.88	113.33	112.30	113.29	117.00	118.57	116.21	114.57	114.47	114.14		113.64	
31		113.33		113.31	116.84		116.12		114.47	114.14		113.63	
Mean	113.71	113.74	113.04	112.97	114.60	115.52	118.56	114.58	114.45	114.43	114.19	113.85	
Max	114.03	113.95	114.03	113.97	117.09	118.57	120.29	115.99	114.66	114.66	114.50	114.07	120.29
Min	113.24	113.33	112.30	112.08	112.66	114.14	116.12	114.02	114.28	114.13	114.06	113.63	112.08
Annual Max Momentary Gage Height	120.30		m. (MSL.) ,			at 15.00 Hours, on Oct 8, 2022							
Zero Gage at Bottom Elevation	109.80		m. (MSL.) ,			River Bed	109.44	m. (MSL.) ,					
Left Bank Elevation	123.17		m. (MSL.) ,										
Right Bank Elevation	123.16		m. (MSL.) ,			Drainage Are	3,551	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	26.50	0.60	13.40	192.00	313.20	21.70	8.30	0.00	0.00	0.00	
2	0.00	0.00	26.00	0.30	8.60	181.50	323.10	17.00	7.30	0.00	0.00	0.00	
3	0.00	0.00	23.40	0.10	8.20	171.50	345.00	14.50	6.96	0.00	0.00	0.00	
4	0.00	0.00	21.80	0.00	14.20	159.50	378.00	12.76	7.05	0.00	0.00	0.00	
5	0.00	0.00	30.50	0.00	22.20	146.00	406.00	11.74	6.96	0.00	0.00	0.00	
6	0.00	0.00	31.00	0.00	22.20	130.50	424.00	10.96	6.52	0.00	0.00	0.00	
7	0.00	0.00	24.20	0.00	27.00	114.50	435.70	10.12	6.60	0.00	0.00	0.00	
8	0.00	0.00	39.50	0.00	18.00	102.00	441.10	9.45	6.80	0.00	0.00	0.00	
9	0.00	0.00	59.00	0.40	22.20	99.50	438.53	8.80	6.92	0.00	0.00	0.00	
10	0.00	55.00	61.50	0.60	42.50	82.00	429.87	8.20	7.05	0.00	0.00	0.00	
11	0.00	57.00	46.00	0.80	46.50	67.50	412.53	7.65	7.20	0.00	0.00	0.00	
12	0.00	56.50	43.50	6.80	46.00	67.00	391.73	7.35	7.30	0.00	0.00	0.00	
13	0.00	57.00	34.00	20.40	61.50	73.50	364.50	7.00	7.35	0.00	0.00	0.00	
14	0.00	57.50	31.00	33.00	65.50	82.00	328.50	6.60	0.00	0.00	0.00	0.00	
15	0.00	57.00	21.40	24.20	63.00	90.00	302.40	6.28	0.00	0.00	0.00	0.00	
16	0.00	54.50	14.80	23.80	75.00	96.50	270.20	6.20	0.00	0.00	0.00	0.00	
17	0.00	52.00	10.80	25.00	84.50	94.00	240.20	6.16	0.00	0.00	0.00	0.00	
18	0.00	51.50	10.20	26.00	91.00	95.00	211.40	6.12	0.00	0.00	0.00	0.00	
19	0.00	50.50	9.60	36.50	89.00	99.50	177.00	5.96	0.00	0.00	0.00	0.00	
20	0.00	46.50	9.00	51.50	96.50	109.00	144.00	5.80	0.00	0.00	0.00	0.00	
21	0.00	46.50	8.20	58.50	122.00	120.00	120.60	5.64	0.00	0.00	0.00	0.00	
22	0.00	46.50	7.40	53.50	133.00	131.00	99.20	5.48	0.00	0.00	0.00	0.00	
23	0.00	47.50	6.60	38.50	140.50	147.00	82.20	5.48	0.00	0.00	0.00	0.00	
24	0.00	44.50	5.60	29.50	143.50	154.50	71.00	5.64	0.00	0.00	0.00	0.00	
25	0.00	36.00	4.80	28.00	158.00	153.00	59.10	5.88	0.00	0.00	0.00	0.00	
26	0.00	32.00	4.00	31.00	183.50	164.00	48.60	6.16	0.00	0.00	0.00	0.00	
27	0.00	29.00	3.40	23.80	208.20	178.50	41.40	6.48	0.00	0.00	0.00	0.00	
28	0.00	28.00	2.60	30.00	216.60	210.00	35.80	6.68	0.00	0.00	0.00	0.00	
29	0.00	28.00	1.80	28.00	218.40	292.80	31.90	6.96	0.00	0.00	0.00	0.00	
30	0.00	26.50	1.00	24.60	213.00	307.20	28.30	7.85	0.00	0.00	0.00	0.00	
31	0.00	26.50	0.00	25.50	203.40	0.00	25.60	0.00	0.00	0.00	0.00	0.00	</

WATER YEAR : 2022**MUN RIVER BASIN****Huai Hin Lap at Ban Khlong Hin Lap, Nakhon Ratchasima (M.183B)**

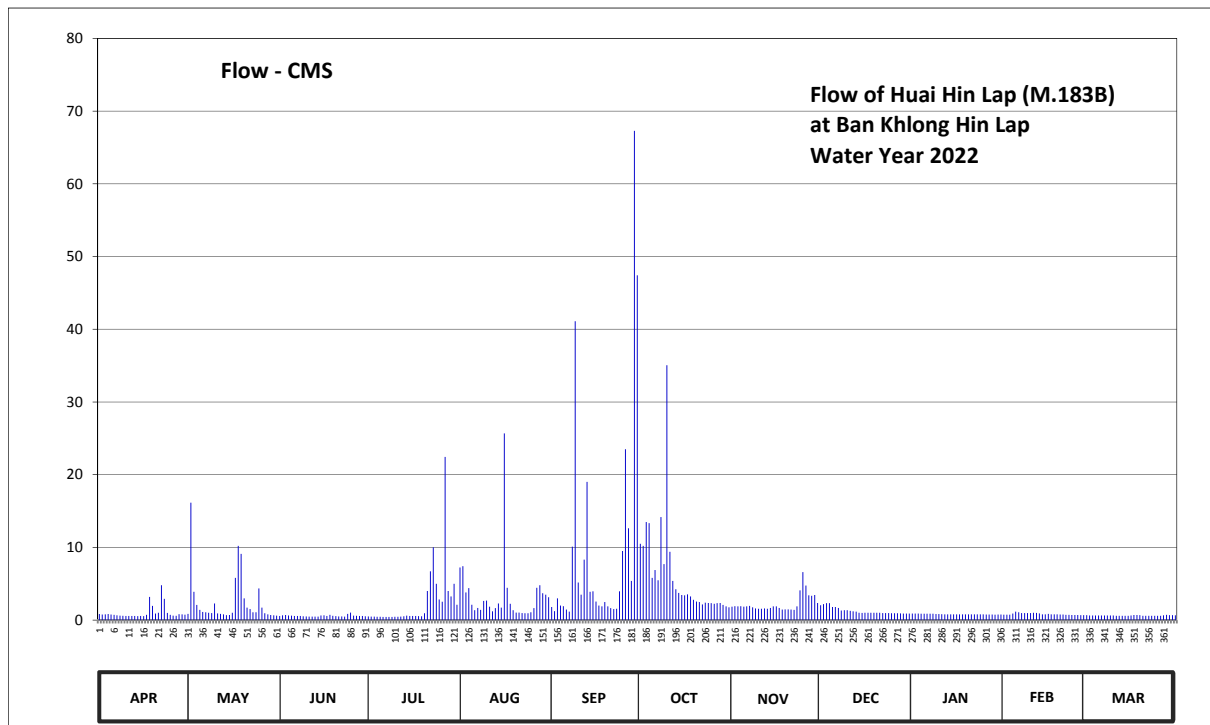
Lat 14 - 43 - 43 N Long 101 - 33 - 51 E

Location : on left bank at the bridge on highway.

	Ban	Khlong Hin Lap	Amphoe	Pak Chong	Changwat	Nakhon Ratchasima
Drainage Area	234	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+294.900 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+297.232 m. (MSL.)
Gage Reading Frequency	Recording.					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2021 to date					
Rating Operation						
Period of Rating	2021 to date					
Rated by Float	-					
Rated by Current Meter	2021 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 38 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	295.42	295.43	295.29	295.25	296.66	295.70	297.00	295.71	295.76	295.45	295.37	295.34	
2	295.38	297.41	295.33	295.24	296.68	295.56	296.97	295.73	295.80	295.45	295.37	295.32	
3	295.39	296.18	295.35	295.24	296.16	296.00	297.22	295.72	295.83	295.45	295.37	295.32	
4	295.42	295.77	295.32	295.23	296.28	295.75	297.21	295.73	295.83	295.44	295.45	295.32	
5	295.38	295.60	295.31	295.23	295.78	295.73	296.50	295.71	295.70	295.44	295.54	295.32	
6	295.36	295.53	295.29	295.22	295.59	295.61	296.62	295.72	295.70	295.44	295.52	295.32	
7	295.33	295.52	295.28	295.22	295.67	295.54	296.46	295.74	295.67	295.44	295.48	295.32	
8	295.31	295.50	295.28	295.22	295.60	296.96	297.27	295.69	295.58	295.44	295.48	295.32	
9	295.30	295.48	295.26	295.22	295.91	298.90	296.71	295.65	295.59	295.42	295.48	295.32	
10	295.29	295.82	295.25	295.23	295.92	296.42	298.57	295.64	295.59	295.42	295.48	295.32	
11	295.29	295.46	295.24	295.23	295.71	296.10	296.89	295.64	295.57	295.41	295.50	295.30	
12	295.28	295.43	295.24	295.24	295.55	296.78	296.45	295.65	295.55	295.40	295.49	295.30	
13	295.28	295.39	295.24	295.26	295.66	297.60	296.25	295.64	295.54	295.40	295.46	295.30	
14	295.27	295.34	295.24	295.31	295.82	296.18	296.15	295.67	295.50	295.40	295.40	295.30	
15	295.28	295.35	295.32	295.29	295.68	296.19	296.09	295.72	295.49	295.40	295.40	295.30	
16	295.27	295.50	295.33	295.28	298.04	295.89	296.08	295.72	295.50	295.40	295.43	295.32	
17	295.36	296.50	295.29	295.29	296.29	295.75	296.11	295.67	295.50	295.40	295.40	295.35	
18	296.04	296.97	295.36	295.27	295.81	295.72	296.05	295.61	295.50	295.40	295.40	295.35	
19	295.74	296.86	295.30	295.26	295.59	295.87	295.95	295.62	295.50	295.39	295.40	295.34	
20	295.45	296.00	295.27	295.47	295.51	295.72	295.89	295.62	295.50	295.39	295.38	295.30	
21	295.50	295.68	295.25	296.20	295.51	295.66	295.87	295.61	295.50	295.39	295.38	295.30	
22	296.36	295.63	295.25	296.60	295.48	295.63	295.79	295.60	295.48	295.39	295.36	295.30	
23	295.98	295.52	295.24	296.95	295.47	295.64	295.85	295.72	295.48	295.39	295.36	295.30	
24	295.49	295.52	295.43	296.40	295.47	296.19	295.84	296.22	295.48	295.39	295.35	295.30	
25	295.36	296.27	295.51	295.96	295.52	296.90	295.83	296.59	295.47	295.39	295.35	295.30	
26	295.31	295.68	295.31	295.88	295.66	297.90	295.81	296.35	295.47	295.38	295.35	295.30	
27	295.30	295.47	295.30	297.83	296.29	297.16	295.83	296.08	295.47	295.38	295.34	295.33	
28	295.41	295.40	295.29	296.20	296.36	296.45	295.84	296.07	295.46	295.38	295.34	295.36	
29	295.40	295.35	295.29	296.05	296.14	300.06	295.77	296.09	295.45	295.37		295.34	
30	295.37	295.33	295.26	296.40	296.10	299.21	295.72	295.84	295.45	295.38		295.34	
31		295.31		295.78	296.03		295.69		295.45	295.38		295.33	
Mean	295.44	295.75	295.30	295.66	295.93	296.49	296.33	295.79	295.56	295.41	295.42	295.32	
Max	296.36	297.41	295.51	297.83	298.04	300.06	298.57	296.59	295.83	295.45	295.54	295.36	300.06
Min	295.27	295.31	295.24	295.22	295.47	295.54	295.69	295.60	295.45	295.37	295.34	295.30	295.22
Annual Max Momentary Gage Height	301.69		m. (MSL.) ,			at 23.00 Hours, on Sep 29, 2022							
Zero Gage at Bottom Elevation		294.90	m. (MSL.) ,			River Bed	295.00	m. (MSL.)					
Left Bank Elevation		303.57	m. (MSL.) ,										
Right Bank Elevation		302.56	m. (MSL.) ,			Drainage Are	234	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.84	0.86	0.58	0.50	7.24	1.80	10.50	1.84	2.04	0.90	0.74	0.68		
2	0.76	16.15	0.66	0.48	7.42	1.24	10.20	1.92	2.20	0.90	0.74	0.64		
3	0.78	3.90	0.70	0.48	3.80	3.00	13.48	1.88	2.32	0.90	0.74	0.64		
4	0.84	2.08	0.64	0.46	4.40	2.00	13.34	1.92	2.32	0.88	0.90	0.64		
5	0.76	1.40	0.62	0.46	2.12	1.92	5.80	1.84	1.80	0.88	1.16	0.64		
6	0.72	1.12	0.58	0.44	1.36	1.44	6.88	1.88	1.80	0.88	1.08	0.64		
7	0.66	1.08	0.56	0.44	1.68	1.16	5.48	1.96	1.68	0.88	0.96	0.64		
8	0.62	1.00	0.56	0.44	1.40	10.10	14.18	1.76	1.32	0.88	0.96	0.64		
9	0.60	0.96	0.52	0.44	2.64	41.10	7.69	1.60	1.36	0.84	0.96	0.64		
10	0.58	2.28	0.50	0.46	2.68	5.16	35.06	1.56	1.36	0.84	0.96	0.64		
11	0.58	0.92	0.48	0.46	1.84	3.50	9.40	1.56	1.28	0.82	1.00	0.60		
12	0.56	0.86	0.48	0.48	1.20	8.32	5.40	1.60	1.20	0.80	0.98	0.60		
13	0.56	0.78	0.48	0.52	1.64	19.00	4.25	1.56	1.16	0.80	0.92	0.60		
14	0.54	0.68	0.48	0.62	2.28	3.90	3.75	1.68	1.00	0.80	0.80	0.60		
15	0.56	0.70	0.64	0.58	1.72	3.95	3.45	1.88	0.98	0.80	0.80	0.60		
16	0.54	1.00	0.66	0.56	25.68	2.56	3.40	1.88	1.00	0.80	0.86	0.64		
17	0.72	5.80	0.58	0.58	4.45	2.00	3.55	1.68	1.00	0.80	0.80	0.70		
18	3.20	10.20	0.72	0.54	2.24	1.88	3.25	1.44	1.00	0.80	0.80	0.70		
19	1.96	9.10	0.60	0.52	1.36	2.48	2.80	1.48	1.00	0.78	0.80	0.68		
20	0.90	3.00	0.54	0.94	1.04	1.88	2.56	1.48	1.00	0.78	0.76	0.60		
21	1.00	1.72	0.50	4.00	1.04	1.64	2.48	1.44	1.00	0.78	0.76	0.60		
22	4.80	1.52	0.50	6.70	0.96	1.52	2.16	1.40	0.96	0.78	0.72	0.60		
23	2.92	1.08	0.48	10.00	0.94	1.56	2.40	1.88	0.96	0.78	0.72	0.60		
24	0.98	1.08	0.86	5.00	0.94	3.95	2.36	4.10	0.96	0.78	0.70	0.60		
25	0.72	4.35	1.04	2.84	1.08	9.50	2.32	6.61	0.94	0.78	0.70	0.60		
26	0.62	1.72	0.62	2.52	1.64	23.50	2.24	4.75	0.94	0.76	0.70	0.60		
27	0.60	0.94	0.60	22.45	4.45	12.64	2.32	3.40	0.94	0.76	0.68	0.66		
28	0.82	0.80	0.58	4.00	4.80	5.40	2.36	3.35	0.92	0.76	0.68	0.72		
29	0.80	0.70	0.58	3.25	3.70	67.30	2.08	3.45	0.90	0.74		0.68		
30	0.74	0.66	0.52	5.00	3.50	47.41	1.88	2.36	0.90	0.76		0.68		
31		0.62		2.12	3.15		1.76		0.90	0.76		0.66		
Total	31.28	79.06	17.86	78.28	104.39	292.81	188.78	67.14	39.14	25.20	23.38	19.76	967.08	CMSDAY
Mean	1.04	2.55	0.60	2.53	3.37	9.76	6.09	2.24	1.26	0.81	0.83	0.64	2.65	CMS
Max	4.80	16.15	1.04	22.45	25.68	67.30	35.06	6.61	2.32	0.90	1.16	0.72	67.30	CMS
Min	0.54	0.62	0.48	0.44	0.94	1.16	1.76	1.40	0.90	0.74	0.68	0.60	0.44	CMS
Runoff	2.70	6.83	1.54	6.76	9.02	25.30	16.31	5.80	3.38	2.18	2.02	1.71	83.56	MCM
Momentary Peak	131.61	CMS. at 301.69 m. (MSL.) at 23.00 Hours , on Sep 29, 2022												
Runoff Yield	11.32	Liters/Second/Square KM.					Momentary Peak Yield	562.44	Liters/Second/Square KM.					

WATER YEAR : 2022**MUN RIVER BASIN****Mun River at Ban Cum, Nakhon Ratchasima (M.184)**

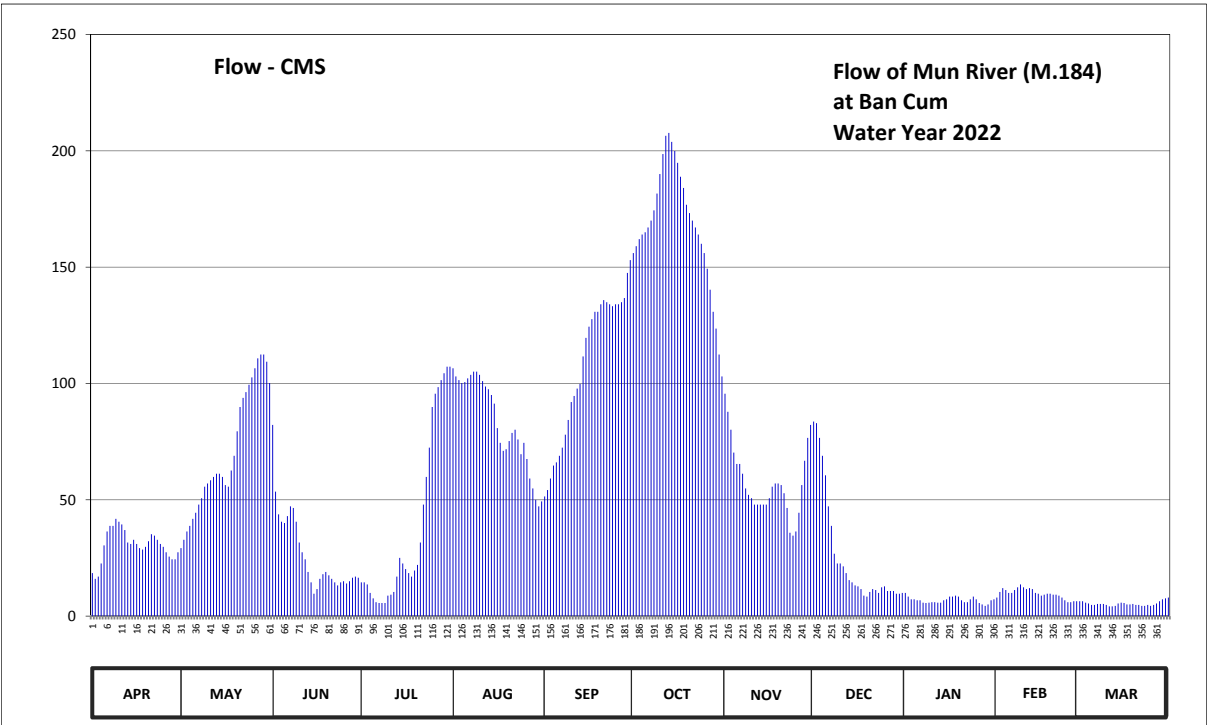
Lat 15 - 13 - 12 N Long 102 - 25 - 42 E

Location : on right at the bridge on highway.

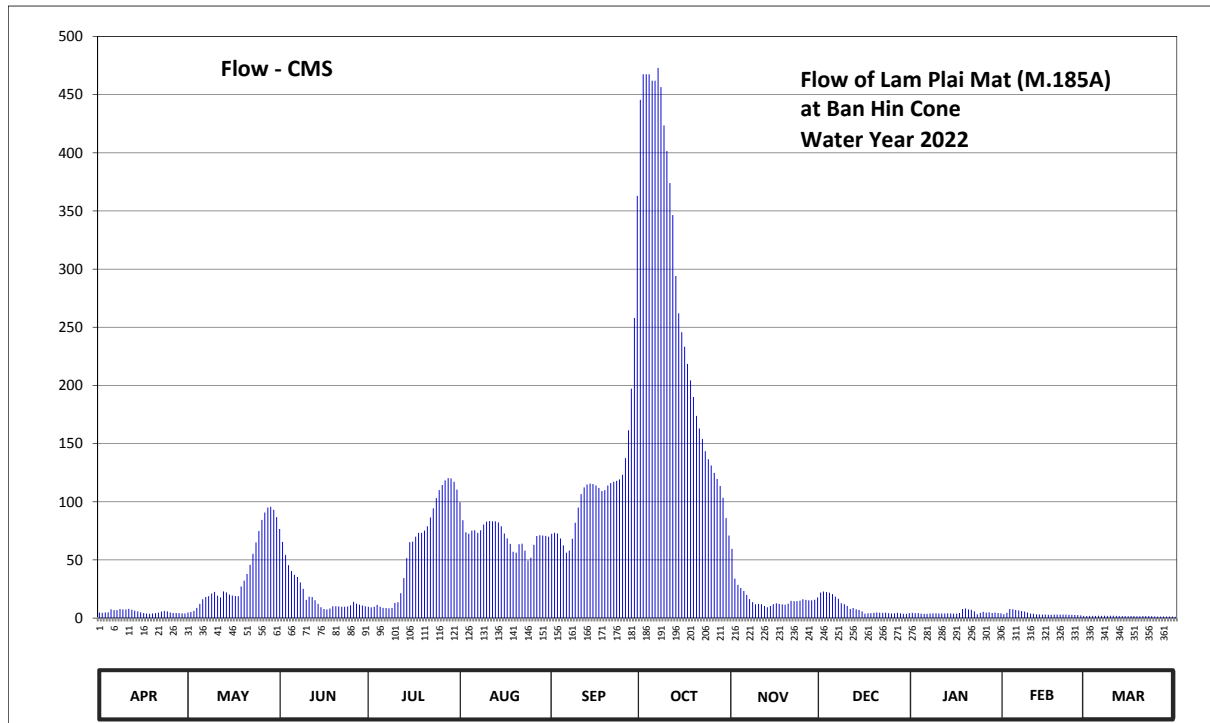
	Ban Cum	Amphoe Phimai	Changwat Nakhon Ratchasima
Drainge Area	11,476 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+150.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank near the gage site.	Elevation	+156.067 m. (MSL.)
Gage Reading Frequency	Recording.		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.		
Period of Available Gage Records	2008 to date		
Rating Operation			
Period of Rating	2008 to date		
Rated by Float	-		
Rated by Current Meter	2008 to date		
Stability of Channel Regimes	Stable.		
Overbank Flow Conditions	Overbank flow starts at elevation +156.000 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 29 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	153.49	153.67	154.46	153.41	155.05	154.02	155.64	154.78	154.48	153.30	153.25	153.21	
2	153.44	153.73	154.05	153.41	155.00	154.06	155.67	154.54	154.47	153.26	153.31	153.21	
3	153.46	153.79	153.91	153.39	154.96	154.13	155.70	154.43	154.38	153.23	153.35	153.19	
4	153.56	153.83	153.86	153.30	154.93	154.21	155.72	154.29	154.27	153.23	153.33	153.17	
5	153.69	153.88	153.85	153.24	154.94	154.23	155.73	154.22	154.15	153.22	153.30	153.14	
6	153.79	153.92	153.90	153.20	154.98	154.27	155.75	154.22	153.96	153.22	153.30	153.14	
7	153.83	153.97	153.96	153.18	155.01	154.32	155.78	154.16	153.83	153.19	153.33	153.16	
8	153.83	154.01	153.95	153.18	155.03	154.40	155.82	154.07	153.63	153.18	153.36	153.16	
9	153.88	154.08	153.86	153.18	155.03	154.49	155.88	154.03	153.56	153.19	153.39	153.16	
10	153.86	154.10	153.71	153.27	155.01	154.60	155.95	154.01	153.56	153.20	153.36	153.14	
11	153.84	154.12	153.64	153.28	154.95	154.73	156.02	153.97	153.54	153.20	153.34	153.11	
12	153.80	154.14	153.59	153.31	154.89	154.86	156.08	153.97	153.49	153.19	153.35	153.11	
13	153.71	154.16	153.50	153.46	154.85	154.92	156.09	153.97	153.43	153.19	153.34	153.12	
14	153.70	154.16	153.41	153.60	154.75	155.12	156.06	153.97	153.41	153.22	153.30	153.17	
15	153.73	154.14	153.29	153.56	154.59	155.22	156.03	153.97	153.38	153.23	153.29	153.19	
16	153.70	154.09	153.34	153.52	154.44	155.28	155.99	154.01	153.37	153.26	153.27	153.18	
17	153.67	154.08	153.44	153.49	154.35	155.32	155.94	154.08	153.34	153.26	153.28	153.15	
18	153.66	154.18	153.48	153.46	154.30	155.36	155.90	154.10	153.27	153.27	153.29	153.15	
19	153.68	154.27	153.50	153.51	154.31	155.36	155.84	154.10	153.26	153.26	153.29	153.16	
20	153.72	154.42	153.47	153.55	154.36	155.40	155.81	154.09	153.31	153.22	153.28	153.14	
21	153.77	154.57	153.44	153.71	154.41	155.42	155.78	154.04	153.34	153.20	153.28	153.14	
22	153.76	154.69	153.41	153.97	154.43	155.41	155.75	153.95	153.33	153.20	153.27	153.12	
23	153.73	154.81	153.38	154.14	154.37	155.40	155.72	153.78	153.30	153.23	153.25	153.12	
24	153.70	154.91	153.41	154.32	154.28	155.39	155.68	153.76	153.36	153.26	153.22	153.14	
25	153.68	154.99	153.42	154.57	154.35	155.40	155.64	153.79	153.37	153.23	153.20	153.12	
26	153.64	155.05	153.40	154.78	154.25	155.40	155.57	153.92	153.32	153.18	153.20	153.14	
27	153.61	155.11	153.42	154.88	154.13	155.41	155.47	154.09	153.32	153.15	153.21	153.17	
28	153.59	155.13	153.45	154.96	154.07	155.43	155.36	154.24	153.32	153.12	153.21	153.21	
29	153.59	155.13	153.46	155.02	154.00	155.55	155.27	154.38	153.29	153.15		153.23	
30	153.64	155.09	153.45	155.06	153.96	155.61	155.13	154.46	153.29	153.22		153.24	
31		154.93		155.06	153.99		155.00		153.30	153.23		153.25	
Mean	153.69	154.36	153.61	153.81	154.58	154.96	155.73	154.11	153.57	153.22	153.29	153.16	
Max	153.88	155.13	154.46	155.06	155.05	155.61	156.09	154.78	154.48	153.30	153.39	153.25	156.09
Min	153.44	153.67	153.29	153.18	153.96	154.02	155.00	153.76	153.26	153.12	153.20	153.11	153.11
Annual Max Momentary Gage Height	156.09		m. (MSL.) ,				at 06.00 Hours, on Oct 13, 2022						
Zero Gage at Bottom Elevation		150.00	m. (MSL.) ,			River Bed	149.80	m. (MSL.)					
Left Bank Elevation		156.02	m. (MSL.) ,										
Right Bank Elevation		155.99	m. (MSL.) ,			Drainage Are	11,476	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	18.50	29.20	82.20	14.50	106.50	51.40	156.00	95.60	83.60	10.00	8.00	6.40		
2	16.00	32.80	53.50	14.50	103.00	54.20	159.00	87.80	82.90	8.40	10.40	6.40		
3	17.00	36.40	43.70	13.60	101.40	59.10	162.00	80.10	76.60	7.20	12.00	5.80		
4	22.60	38.80	40.60	10.00	100.20	64.70	164.00	70.30	68.90	7.20	11.20	5.40		
5	30.40	41.80	40.00	7.60	100.60	66.10	165.00	65.40	60.50	6.80	10.00	4.80		
6	36.40	44.40	43.00	6.00	102.20	68.90	167.00	65.40	47.20	6.80	10.00	4.80		
7	38.80	47.90	47.20	5.60	103.70	72.40	170.00	61.20	38.80	5.80	11.20	5.20		
8	38.80	50.70	46.50	5.60	105.10	78.00	174.40	54.90	26.80	5.60	12.40	5.20		
9	41.80	55.60	40.60	5.60	105.10	84.30	181.60	52.10	22.60	5.80	13.60	5.20		
10	40.60	57.00	31.60	8.80	103.70	92.00	190.00	50.70	22.60	6.00	12.40	4.80		
11	39.40	58.40	27.40	9.20	101.00	94.60	198.60	47.90	21.40	6.00	11.60	4.20		
12	37.00	59.80	24.40	10.40	98.70	97.80	206.40	47.90	18.50	5.80	12.00	4.20		
13	31.60	61.20	19.00	17.00	97.50	99.80	207.70	47.90	15.50	5.80	11.60	4.40		
14	31.00	61.20	14.50	25.00	95.00	111.60	203.80	47.90	14.50	6.80	10.00	5.40		
15	32.80	59.80	9.60	22.60	91.30	119.60	199.90	47.90	13.20	7.20	9.60	5.80		
16	31.00	56.30	11.60	20.20	80.80	124.40	194.80	50.70	12.80	8.40	8.80	5.60		
17	29.20	55.60	16.00	18.50	74.50	127.60	188.80	55.60	11.60	8.40	9.20	5.00		
18	28.60	62.60	18.00	17.00	71.00	130.80	184.00	57.00	8.80	8.80	9.60	5.00		
19	29.80	68.90	19.00	19.60	71.70	130.80	176.80	57.00	8.40	8.40	9.60	5.20		
20	32.20	79.40	17.50	22.00	75.20	134.00	173.20	56.30	10.40	6.80	9.20	4.80		
21	35.20	89.90	16.00	31.60	78.70	135.80	170.00	52.80	11.60	6.00	9.20	4.80		
22	34.60	93.80	14.50	47.90	80.10	134.90	167.00	46.50	11.20	6.00	8.80	4.40		
23	32.80	96.30	13.20	59.80	75.90	134.00	164.00	35.80	10.00	7.20	8.00	4.40		
24	31.00	99.40	14.50	72.40	69.60	133.20	160.00	34.60	12.40	8.40	6.80	4.80		
25	29.80	102.60	15.00	89.90	74.50	134.00	156.00	36.40	12.80	7.20	6.00	4.40		
26	27.40	106.50	14.00	95.60	67.50	134.00	149.30	44.40	10.80	5.60	6.00	4.80		
27	25.60	110.80	15.00	98.40	59.10	134.90	140.30	56.30	10.80	5.00	6.40	5.40		
28	24.40	112.40	16.50	101.40	54.90	136.70	130.80	66.80	10.80	4.40	6.40	6.40		
29	24.40	112.40	17.00	104.40	50.00	147.50	123.60	76.60	9.60	5.00		7.20		
30	27.40	109.30	16.50	107.20	47.20	153.00	112.40	82.20	9.60	6.80		7.60		
31		100.20		107.20	49.30		103.00		10.00	7.20		8.00		
Total	916.10	2191.40	798.10	1189.10	2595.00	3240.10	5199.40	1732.00	785.20	210.80	270.00	165.80	19293.00	CMSDAY
Mean	30.54	70.69	26.60	38.36	83.71	108.00	167.72	57.73	25.33	6.80	9.64	5.35	52.86	CMS
Max	41.80	112.40	82.20	107.20	106.50	153.00	207.70	95.60	83.60	10.00	13.60	8.00	207.70	CMS
Min	16.00	29.20	9.60	5.60	47.20	51.40	103.00	34.60	8.40	4.40	6.00	4.20	4.20	CMS
Runoff	79.15	189.34	68.96	102.74	224.21	279.94	449.23	149.64	67.84	18.21	23.33	14.33	1666.92	MCM
Momentary Peak	207.70 CMS. at 156.09 m. (MSL.) at 06.00 Hours , on Oct 13, 2022													
Runoff Yield	4.61	Liters/Second/Square KM.		Momentary Peak Yield		18.10	Liters/Second/Square KM.							



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	4.85	4.85	76.60	9.80	99.60	72.50	445.50	59.50	22.00	4.55	3.35	1.80		
2	4.55	5.40	65.50	9.20	84.10	73.25	467.50	34.00	22.80	4.25	4.55	1.85		
3	4.85	6.20	54.25	9.80	73.75	72.75	467.50	28.60	22.40	4.25	7.80	1.90		
4	5.00	8.80	45.50	11.40	72.50	68.50	467.50	25.80	21.80	3.80	7.60	1.95		
5	7.60	12.20	40.40	9.80	75.25	62.50	462.00	23.40	20.60	3.65	7.00	2.00		
6	6.80	16.20	37.20	8.80	75.50	56.25	462.00	20.00	18.40	3.65	6.60	1.95		
7	6.80	18.20	35.40	8.60	73.25	58.00	473.00	16.40	16.60	3.95	6.00	2.00		
8	7.80	18.80	30.60	8.40	75.50	68.25	456.50	13.80	12.80	4.10	5.60	1.95		
9	7.40	21.20	25.20	8.80	80.50	82.00	423.50	11.80	12.00	4.10	4.85	2.00		
10	7.40	22.60	15.60	13.00	82.90	95.05	401.50	12.20	10.40	3.95	3.80	2.00		
11	8.00	19.20	18.40	13.60	83.50	106.60	374.00	12.00	7.80	3.95	3.65	1.95		
12	7.20	17.80	18.20	21.40	83.20	112.40	346.50	10.40	8.60	3.95	3.20	1.80		
13	6.40	23.00	15.40	34.40	83.20	114.80	294.00	9.40	7.60	4.10	3.20	1.80		
14	5.80	22.20	12.20	51.50	82.30	115.60	262.00	10.40	7.00	3.95	3.05	1.75		
15	5.00	20.20	9.40	65.25	79.00	115.20	245.80	12.00	5.80	3.80	3.05	1.70		
16	4.40	19.40	7.80	65.75	72.75	114.00	233.20	12.80	3.80	3.80	2.90	1.75		
17	3.95	19.00	7.40	70.00	68.50	112.00	218.50	12.20	4.10	4.40	2.90	1.75		
18	3.65	18.80	8.20	73.25	63.75	109.20	204.40	11.80	4.25	7.80	3.05	1.70		
19	3.95	27.20	10.20	73.25	57.00	110.00	190.00	11.60	4.55	8.20	3.05	1.70		
20	4.25	32.20	10.20	75.25	56.25	114.00	173.80	12.40	4.85	7.40	3.05	1.75		
21	4.70	38.00	10.00	79.00	63.50	116.00	163.00	14.80	4.70	7.20	3.05	1.75		
22	5.60	45.75	9.80	86.50	64.00	117.20	154.00	14.60	4.55	5.80	3.05	1.75		
23	6.20	55.25	9.80	94.35	58.00	118.00	143.50	14.60	4.70	3.35	2.90	1.65		
24	5.80	65.00	10.00	103.10	49.50	119.20	136.60	15.00	4.25	4.55	2.75	1.50		
25	4.85	74.75	11.00	110.00	52.00	123.20	131.20	16.20	3.95	5.40	2.75	1.40		
26	4.40	84.40	14.00	114.40	63.00	137.50	124.90	15.60	4.10	4.70	2.60	1.40		
27	4.40	90.70	12.40	118.40	70.50	161.50	119.60	15.20	4.55	5.00	2.30	1.35		
28	4.25	95.05	11.60	120.40	71.25	197.20	113.60	15.20	4.10	4.40	1.95	1.35		
29	4.10	95.75	10.80	120.00	71.00	258.00	103.45	15.80	3.65	4.70		1.35		
30	3.95	93.10	10.20	117.20	70.75	363.00	85.90	17.80	3.65	4.40		1.30		
31		86.80		110.40	70.00		71.00		4.25	4.10		1.15		
Total	163.90	1178.00	653.25	1815.00	2225.80	3543.65	8415.45	515.30	284.60	145.20	109.60	53.00	19102.75	CMSDAY
Mean	5.46	38.00	21.77	58.55	71.80	118.12	271.47	17.18	9.18	4.68	3.91	1.71	52.34	CMS
Max	8.00	95.75	76.60	120.40	99.60	363.00	473.00	59.50	22.80	8.20	7.80	2.00	473.00	CMS
Min	3.65	4.85	7.40	8.40	49.50	56.25	71.00	9.40	3.65	3.35	1.95	1.15	1.15	CMS
Runoff	14.16	101.78	56.44	156.82	192.31	306.17	727.09	44.52	24.59	12.55	9.47	4.58	1650.48	MCM
Momentary Peak	478.50	CMS. at 158.87 m. (MSL.) at 05.00 Hours , on Oct 7, 2022												
Runoff Yield	10.43	Liters/Second/Square KM.		Momentary Peak Yield			95.32	Liters/Second/Square KM.						

WATER YEAR : 2022**MUN RIVER BASIN****Lam Chakkarat at Ban Non Koy, Nakhon Ratchasima (M.186)**

Lat 15 - 03 - 58 N Long 102 - 24 - 09 E

Location : on right at the bridge on highway.

	Ban	Non Koy	Amphoe	Chakkarat	Changwat	Nakhon Ratchasima
Drainge Area	1,293	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+158.300 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the gage site.				Elevation	+163.112 m. (MSL.)
Gage Reading Frequency	Recording.					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.					
Period of Available Gage Records	2008 to date					
Rating Operation						
Period of Rating	2008 to date					
Rated by Float	-					
Rated by Current Meter	2008 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +163.150 m.(MSL.) and is including overbank flow.					
General Description	Records good. Stage-discharge relation defined by 26 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	160.41	160.60	160.18	159.53	161.50	161.05	163.68	159.55	161.64	160.77	160.72	160.25	
2	160.43	160.62	160.06	159.57	161.50	160.91	163.54	159.44	161.59	160.68	160.77	160.23	
3	160.47	160.62	160.05	160.28	161.46	161.15	163.27	159.35	161.55	160.60	160.79	160.22	
4	160.49	160.63	160.34	160.43	161.39	160.78	163.16	159.27	161.49	160.52	160.75	160.21	
5	160.50	160.64	160.59	160.61	161.15	160.17	163.20	159.37	161.43	160.47	160.75	160.20	
6	160.53	160.64	160.62	160.50	161.10	160.01	163.25	160.67	161.34	160.57	160.73	160.18	
7	160.60	160.65	160.48	160.54	161.14	160.22	163.12	160.19	161.25	160.85	160.38	160.17	
8	160.64	160.65	160.38	160.50	161.30	161.07	163.13	159.52	160.97	161.12	160.35	160.16	
9	160.65	160.69	160.29	160.54	161.40	161.64	162.91	159.40	160.93	161.02	160.36	160.15	
10	160.66	160.72	160.08	161.14	161.45	161.73	162.72	159.23	161.01	160.59	160.36	160.14	
11	160.67	160.73	159.96	160.71	161.46	161.77	162.55	159.18	161.06	160.40	160.37	160.13	
12	160.67	160.73	159.83	160.69	161.43	161.86	162.37	160.00	161.17	160.71	160.38	160.12	
13	160.67	160.74	160.67	160.69	161.38	161.88	162.19	160.72	160.95	161.02	160.38	160.11	
14	160.67	160.74	160.47	160.49	161.28	161.76	162.02	160.95	161.17	161.09	160.38	160.10	
15	160.66	160.72	160.04	160.02	160.91	161.60	161.91	159.89	161.19	160.72	160.38	160.09	
16	160.66	160.71	159.90	159.61	160.58	161.54	161.82	160.07	160.55	160.42	160.38	160.08	
17	160.65	160.73	159.86	159.45	161.32	161.46	161.71	160.71	160.51	160.62	160.38	160.07	
18	160.65	160.82	159.90	159.67	161.41	161.27	161.60	160.82	160.61	160.89	160.37	160.07	
19	160.66	161.49	159.88	159.85	161.46	161.43	161.57	160.91	160.47	161.15	160.36	160.06	
20	160.65	161.54	159.73	160.46	161.53	161.46	161.50	161.01	160.41	161.16	160.35	160.05	
21	160.65	161.62	159.70	161.10	161.55	161.40	161.44	161.17	160.67	160.67	160.34	160.05	
22	160.64	161.71	159.67	161.32	161.54	161.40	161.38	160.86	160.93	160.48	160.33	160.04	
23	160.63	161.66	159.54	161.68	161.46	161.60	161.33	160.63	161.09	160.67	160.32	160.03	
24	160.62	161.62	159.89	162.05	161.34	161.70	161.27	159.88	161.14	160.82	160.31	160.02	
25	160.61	161.58	159.91	162.17	161.26	161.83	161.16	160.39	161.16	161.05	160.30	160.02	
26	160.60	161.43	159.67	162.08	161.04	161.93	161.01	161.29	161.12	161.15	160.29	160.02	
27	160.59	161.36	159.75	162.01	160.67	162.04	160.76	161.53	161.08	160.77	160.27	160.01	
28	160.58	161.34	160.63	161.90	160.36	162.37	160.37	161.68	161.04	160.43	160.26	160.01	
29	160.60	161.22	160.33	161.76	160.36	163.15	159.99	161.70	161.00	160.42		160.01	
30	160.60	160.94	159.81	161.62	160.80	163.72	159.82	161.68	160.94	160.55		160.01	
31		160.34		161.49	161.01		159.69		160.86	160.65		160.00	
Mean	160.60	160.98	160.07	160.79	161.21	161.53	161.92	160.37	161.04	160.74	160.43	160.10	
Max	160.67	161.71	160.67	162.17	161.55	163.72	163.68	161.70	161.64	161.16	160.79	160.25	163.72
Min	160.41	160.34	159.54	159.45	160.36	160.01	159.69	159.18	160.41	160.40	160.26	160.00	159.18
Annual Max Momentary Gage Height	163.76		m. (MSL.) ,				at 19.00 Hours, on Sep 30, 2022						
Zero Gage at Bottom Elevation		158.30		m. (MSL.) ,		River Bed	158.80		m. (MSL.)				
Left Bank Elevation		163.31		m. (MSL.) ,									
Right Bank Elevation		163.13		m. (MSL.) ,		Drainage Are	1,293		Square Kilometers				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	1.95	0.73	23.33	9.00	194.40	0.75	29.40	4.70	4.20	0.00	
2	0.00	0.00	1.65	0.77	23.33	6.20	176.80	0.64	27.23	3.80	4.70	0.00	
3	0.00	0.00	1.63	2.20	21.60	11.50	145.70	0.55	25.50	3.00	4.90	0.00	
4	0.00	0.00	2.35	2.58	18.70	4.80	134.00	0.47	22.90	2.80	4.50	0.00	
5	0.00	0.00	2.98	3.10	11.50	1.93	138.00	0.57	20.30	2.68	4.50	0.00	
6	0.00	0.00	3.20	2.75	10.00	1.53	143.50	3.70	17.20	2.93	4.30	0.00	
7	0.00	0.00	2.70	2.85	11.20	2.05	130.00	1.98	14.50	5.50	0.00	0.00	
8	0.00	0.00	2.45	2.75	16.00	9.40	131.00	0.72	7.40	10.60	0.00	0.00	
9	0.00	0.00	2.23	2.85	19.00	29.40	110.80	0.60	6.60	8.40	0.00	0.00	
10	0.00	0.00	1.70	11.20	21.17	33.80	95.60	0.43	8.20	2.98	0.00	0.00	
11	0.00	0.00	1.40	4.10	21.60	36.20	83.50	0.38	9.20	2.50	0.00	0.00	
12	0.00	0.00	1.08	3.90	20.30	41.60	72.20	1.50	12.10	4.10	0.00	0.00	
13	0.00	0.00	3.70	3.90	18.40	42.80	61.40	4.20	7.00	8.40	0.00	0.00	
14	0.00	0.00	2.68	2.73	15.40	35.60	51.20	7.00	12.10	9.80	0.00	0.00	
15	0.00	0.00	1.60	1.55	6.20	27.67	44.60	1.23	12.70	4.20	0.00	0.00	
16	0.00	0.00	1.25	0.81	2.95	25.07	39.20	1.68	2.88	2.55	0.00	0.00	
17	0.00	4.30	1.15	0.65	16.60	21.60	32.60	4.10	2.78	3.20	0.00	0.00	
18	0.00	5.20	1.25	0.87	19.43	15.10	27.67	5.20	3.10	5.90	0.00	0.00	
19	0.00	22.90	1.20	1.13	21.60	20.30	26.37	6.20	2.68	11.50	0.00	0.00	
20	0.00	25.07	0.93	2.65	24.63	21.60	23.33	8.20	2.53	11.80	0.00	0.00	
21	0.00	28.53	0.90	10.00	25.50	19.00	20.73	12.10	3.70	3.70	0.00	0.00	
22	0.00	32.60	0.87	16.60	25.07	19.00	18.40	5.60	6.60	2.70	0.00	0.00	
23	0.00	30.27	0.74	31.13	21.60	27.67	16.90	3.30	9.80	3.70	0.00	0.00	
24	0.00	28.53	1.23	53.00	17.20	32.00	15.10	1.20	11.20	5.20	0.00	0.00	
25	0.00	26.80	1.28	60.20	14.80	39.80	11.80	2.48	11.80	9.00	0.00	0.00	
26	0.00	20.30	0.87	54.80	8.80	45.80	8.20	15.70	10.60	11.50	0.00	0.00	
27	0.00	17.80	0.95	50.60	3.70	52.40	4.60	24.63	9.60	4.70	0.00	0.00	
28	0.00	17.20	3.30	44.00	2.40	72.20	2.43	31.13	8.80	2.58	0.00	0.00	
29	0.00	13.60	2.33	35.60	2.40	133.00	1.48	32.00	8.00	2.55	0.00	0.00	
30	0.00	6.80	1.03	28.53	5.00	199.60	1.05	31.13	6.80	2.88	0.00	0.00	
31		2.35		22.90	8.20		0.89		5.60	3.50		0.00	
Total	0.00	282.25	52.58	461.43	477.61	1037.62	1963.45	209.37	338.				

WATER YEAR : 2022**MUN RIVER BASIN****Huai Samran at Ban Khwaw, Si Sa Ket (M.190)**

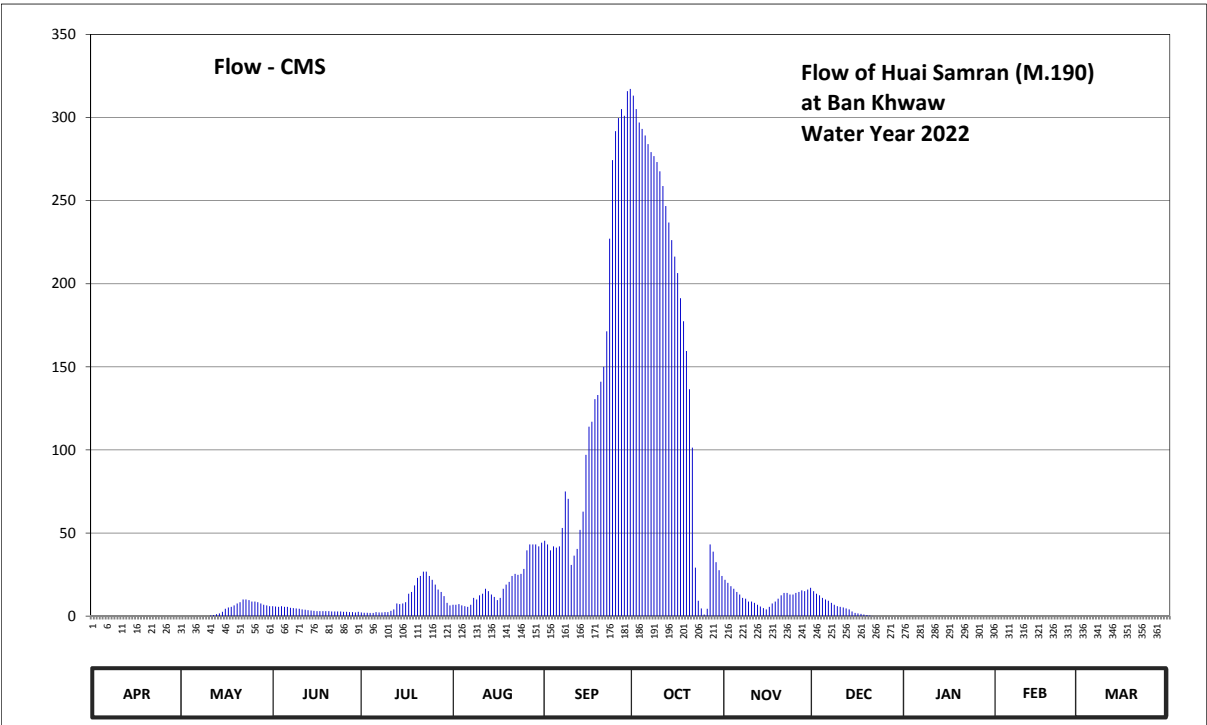
Lat 15 - 00 - 38 N Long 104 - 07 - 42 E

Location : on right at the bridge on highway.

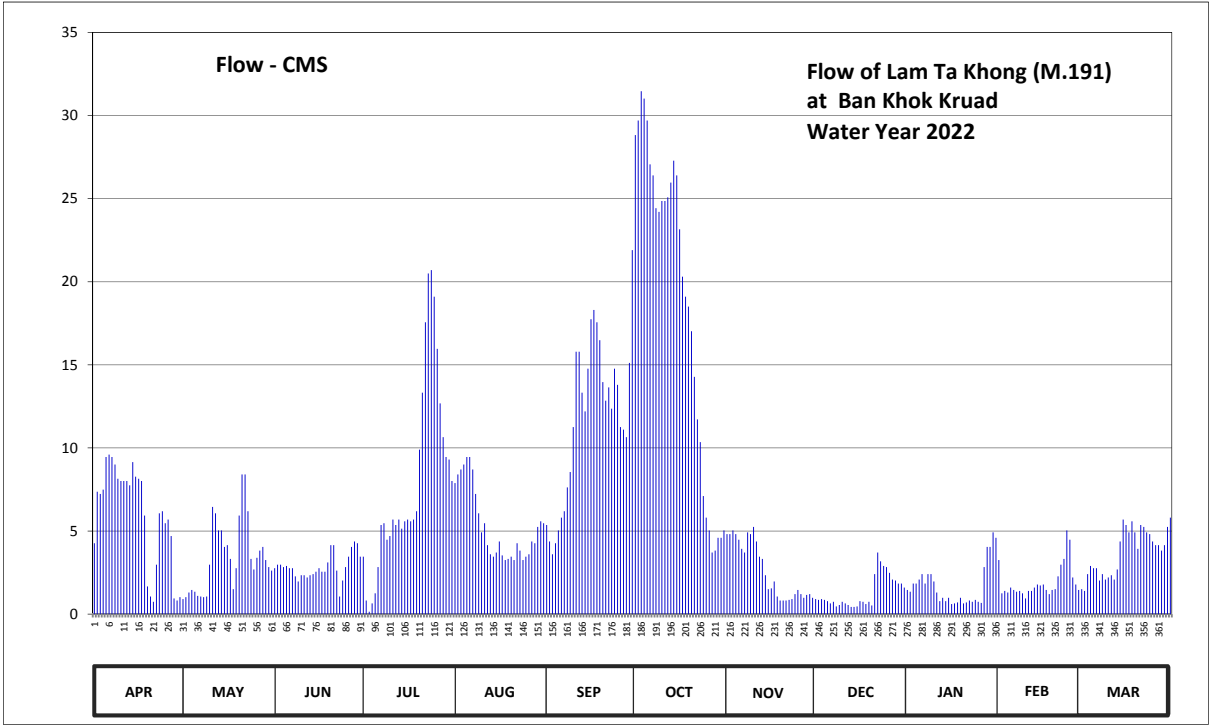
	Ban	Khwaw	Amphoe	Uthumphon Phisai	Changwat	Si Sa Ket
Drainge Area	2,371	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+119.700 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the gage site.				Elevation	+129.804 m. (MSL.)
Gage Reading Frequency	Recording.					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.					
Period of Available Gage Records	2008 to date					
Rating Operation						
Period of Rating	2008 to date					
Rated by Float	-					
Rated by Current Meter	2008 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 33 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	122.83	122.62	124.40	124.21	124.42	125.03	128.12	124.73	124.60	123.23	122.88	122.30	
2	122.84	122.67	124.39	124.20	124.42	125.01	128.06	124.70	124.57	123.21	122.85	122.28	
3	122.86	122.68	124.38	124.20	124.43	124.97	128.00	124.66	124.55	123.19	122.81	122.26	
4	122.86	122.69	124.40	124.19	124.41	125.00	127.97	124.63	124.52	123.17	122.79	122.23	
5	122.84	122.71	124.38	124.19	124.40	124.99	127.94	124.59	124.50	123.15	122.76	122.20	
6	122.83	122.79	124.38	124.22	124.38	125.00	127.90	124.56	124.48	123.13	122.72	122.18	
7	122.82	123.01	124.35	124.21	124.42	125.10	127.86	124.52	124.45	123.11	122.72	122.15	
8	122.81	123.22	124.34	124.21	124.52	125.25	127.84	124.51	124.42	123.09	122.70	122.13	
9	122.79	123.49	124.33	124.22	124.50	125.23	127.81	124.47	124.40	123.08	122.67	122.11	
10	122.78	123.74	124.32	124.22	124.55	124.86	127.76	124.47	124.38	123.07	122.67	122.09	
11	122.76	123.87	124.30	124.26	124.57	124.93	127.68	124.45	124.36	123.06	122.66	122.07	
12	122.74	123.94	124.29	124.30	124.63	124.98	127.57	124.42	124.33	123.05	122.65	122.04	
13	122.73	124.03	124.28	124.44	124.60	125.09	127.48	124.39	124.30	123.04	122.63	122.01	
14	122.72	124.13	124.27	124.43	124.56	125.19	127.38	124.34	124.24	123.03	122.62	121.99	
15	122.70	124.23	124.26	124.44	124.53	125.35	127.27	124.30	124.18	123.02	122.60	121.95	
16	122.70	124.32	124.25	124.46	124.49	125.55	127.16	124.38	124.12	123.01	122.60	121.92	
17	122.69	124.36	124.25	124.57	124.52	125.62	126.99	124.44	124.06	123.00	122.59	121.90	
18	122.68	124.38	124.25	124.59	124.63	125.89	126.79	124.47	123.99	122.99	122.57	121.88	
19	122.66	124.41	124.25	124.67	124.68	125.94	126.47	124.51	123.93	122.98	122.55	121.85	
20	122.65	124.44	124.25	124.75	124.71	126.10	126.01	124.55	123.87	122.97	122.51	121.84	
21	122.64	124.46	124.24	124.77	124.77	126.28	125.37	124.58	123.82	122.96	122.50	121.82	
22	122.62	124.50	124.24	124.81	124.79	126.69	124.84	124.58	123.78	122.94	122.47	121.82	
23	122.62	124.50	124.24	124.81	124.78	127.39	124.48	124.56	123.72	122.92	122.45	121.78	
24	122.61	124.49	124.24	124.77	124.79	127.82	124.33	124.56	123.62	122.90	122.43	121.74	
25	122.59	124.47	124.23	124.73	124.83	127.96	124.00	124.58	123.52	122.89	122.40	121.71	
26	122.58	124.47	124.23	124.68	124.97	128.02	124.32	124.59	123.42	122.89	122.37	121.65	
27	122.57	124.46	124.22	124.62	125.01	128.06	125.01	124.61	123.35	122.89	122.35	121.64	
28	122.58	124.44	124.22	124.59	125.01	128.03	124.96	124.60	123.32	122.88	122.31	121.62	
29	122.58	124.42	124.21	124.54	125.01	128.14	124.88	124.62	123.30	122.88		121.60	
30	122.59	124.41	124.23	124.45	125.00	128.15	124.82	124.64	123.27	122.88		121.60	
31		124.40		124.41	125.02		124.77		123.25	122.88		121.59	
Mean	122.71	123.90	124.29	124.46	124.66	126.05	126.51	124.53	124.02	123.02	122.60	121.93	
Max	122.86	124.50	124.40	124.81	125.02	128.15	128.12	124.73	124.60	123.23	122.88	122.30	128.15
Min	122.57	122.62	124.21	124.19	124.38	124.86	124.00	124.30	123.25	122.88	122.31	121.59	121.59
Annual Max Momentary Gage Height	128.16	m. (MSL.) ,		at 20.00 Hours, on Sep 29, 2022									
Zero Gage at Bottom Elevation	119.70	m. (MSL.) ,		River Bed		120.92	m. (MSL.)						
Left Bank Elevation		129.81	m. (MSL.) ,										
Right Bank Elevation		129.86	m. (MSL.) ,		Drainage Are	2,371	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	6.00	2.20	6.80	45.30	313.20	21.80	15.00	0.00	0.00	0.00	
2	0.00	0.00	5.80	2.00	6.80	43.10	305.10	20.00	13.50	0.00	0.00	0.00	
3	0.00	0.00	5.60	2.00	7.20	39.60	297.00	18.00	12.50	0.00	0.00	0.00	
4	0.00	0.00	6.00	1.95	6.40	42.00	293.10	16.50	11.00	0.00	0.00	0.00	
5	0.00	0.00	5.60	1.95	6.00	41.20	289.20	14.50	10.00	0.00	0.00	0.00	
6	0.00	0.00	5.60	2.40	5.60	42.00	284.00	13.00	9.20	0.00	0.00	0.00	
7	0.00	0.00	5.00	2.20	6.80	53.00	279.20	11.00	8.00	0.00	0.00	0.00	
8	0.00	0.00	4.80	2.20	11.00	75.00	276.80	10.50	6.80	0.00	0.00	0.00	
9	0.00	0.00	4.60	2.40	10.00	70.60	273.20	8.80	6.00	0.00	0.00	0.00	
10	0.00	0.00	4.40	2.40	12.50	30.80	267.60	8.80	5.60	0.00	0.00	0.00	
11	0.00	0.35	4.00	3.20	13.50	36.40	258.80	8.00	5.20	0.00	0.00	0.00	
12	0.00	0.70	3.80	4.00	16.50	40.40	246.70	6.80	4.60	0.00	0.00	0.00	
13	0.00	1.15	3.60	7.60	15.00	51.90	236.80	5.80	4.00	0.00	0.00	0.00	
14	0.00	1.65	3.40	7.20	13.00	62.90	226.20	4.80	2.80	0.00	0.00	0.00	
15	0.00	2.60	3.20	7.60	11.50	97.00	216.30	4.00	1.90	0.00	0.00	0.00	
16	0.00	4.40	3.00	8.40	9.60	114.00	206.40	5.60	1.60	0.00	0.00	0.00	
17	0.00	5.20	3.00	13.50	11.00	117.00	191.30	7.60	1.30	0.00	0.00	0.00	
18	0.00	5.60	3.00	14.50	16.50	130.50	177.40	8.80	0.95	0.00	0.00	0.00	
19	0.00	6.40	3.00	18.50	19.00	133.00	159.50	10.50	0.65	0.00	0.00	0.00	
20	0.00	7.60	3.00	23.00	20.60	141.00	136.50	12.50	0.35	0.00	0.00	0.00	
21	0.00	8.40	2.80	24.20	24.20	150.00	101.40	14.00	0.10	0.00	0.00	0.00	
22	0.00	10.00	2.80	26.80	25.40	171.40	29.20	14.00	0.00	0.00	0.00	0.00	
23	0.00	10.00	2.80	26.80	24.80	227.10	9.20	13.00	0.00	0.00	0.00	0.00	
24	0.00	9.60	2.80	24.20	25.40	274.40	4.60	13.00	0.00	0.00	0.00	0.00	
25	0.00	8.80	2.60	21.80	28.40	291.80	1.00	14.00	0.00	0.00	0.00	0.00	
26	0.00	8.80	2.60	19.00	39.60	299.70	4.40	14.50	0.00	0.00	0.00	0.00	
27	0.00	8.40	2.40	16.00	43.10	305.10	43.10	15.50	0.00	0.00	0.00	0.00	
28	0.00	7.60	2.40	14.50	43.10	301.05	38.80	15.00	0.00	0.00	0.00	0.00	
29	0.00	6.80	2.20	12.00	43.10	315.90	32.40	16.00	0.00	0.00		0.00	
30	0.00	6.40	2.60	8.00	42.00	317.25	27.60	17.00	0.00	0.00		0.00	
31		6.00		6.40	44.20		24.20		0.00	0.00		0.00	
Total	0.00	126.45	112.40	328.90	608.60	4060.40	5250.20	363.30	121.05	0.00	0.00	0.00	10971.30 CMSDAY
Mean	0.00	4.08	3.75	10.61	19.63	135.35	169.36	12.11	3.90	0.00	0.00	0.00	30.06 CMS
Max	0.00	10.00	6.00	26.80	44.20	317.25	313.20	21.80	15.00	0.00	0.00	0.00	317.25 CMS
Min	0.00	0.00	2.20	1.95	5.60	30.80	1.00	4.00	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	10.93	9.71	28.42	52.58	350.82	453.62	31.39	10.46	0.00	0.00	0.00	947.92 MCM
Momentary Peak	318.60 CMS. at 128.16 m. (MSL.) at 20.00 Hours , on Sep 29, 2022												
Runoff Yield	12.68	Liters/Second/Square KM.			Momentary Peak Yield			134.37	Liters/Second/Square KM.				



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	4.26	0.90	2.76	3.46	7.88	5.36	28.82	4.81	0.90	1.45	3.25	1.50		
2	7.36	1.02	2.97	0.82	8.40	4.37	29.70	4.81	0.86	1.35	1.25	1.40		
3	7.23	1.30	2.97	0.14	8.70	3.60	31.46	5.03	0.90	1.84	1.40	2.41		
4	7.49	1.45	2.83	0.64	9.00	4.26	31.02	4.81	0.86	1.84	1.30	2.90		
5	9.45	1.35	2.90	1.25	9.45	5.03	29.70	4.48	0.78	2.08	1.60	2.76		
6	9.60	1.10	2.76	2.83	9.45	5.80	27.06	3.93	0.64	2.41	1.45	2.76		
7	9.45	1.06	2.76	5.36	8.70	6.19	26.40	3.71	0.74	1.84	1.35	2.02		
8	9.00	1.02	2.27	5.47	7.23	7.62	24.42	4.92	0.46	2.41	1.40	2.41		
9	8.14	1.06	1.96	4.48	6.06	8.55	24.20	4.81	0.55	2.41	1.25	2.08		
10	8.01	2.97	2.34	4.70	4.92	11.25	24.86	5.25	0.74	1.96	0.94	2.20		
11	8.01	6.45	2.34	5.69	5.47	15.79	24.86	4.37	0.64	1.30	1.40	2.34		
12	8.01	6.06	2.20	5.36	4.15	15.79	25.08	3.46	0.55	0.78	1.40	2.08		
13	7.75	5.03	2.34	5.69	3.60	13.32	25.96	3.32	0.43	0.98	1.60	2.69		
14	9.15	5.03	2.41	5.14	3.46	12.20	27.28	2.34	0.43	0.78	1.78	4.37		
15	8.27	4.04	2.55	5.58	3.71	14.77	26.40	1.50	0.46	0.98	1.72	5.69		
16	8.14	4.15	2.76	5.69	4.37	17.74	23.15	1.55	0.78	0.61	1.78	5.36		
17	8.01	3.32	2.55	5.58	3.53	18.30	20.30	1.96	0.74	0.64	1.45	4.92		
18	5.93	1.50	2.55	5.69	3.25	17.56	19.10	1.06	0.61	0.70	1.20	5.58		
19	1.66	2.76	3.11	6.19	3.32	16.48	18.50	0.82	0.74	0.98	1.45	4.92		
20	1.06	5.93	4.15	9.90	3.46	13.96	17.02	0.82	0.52	0.64	1.50	3.93		
21	0.74	8.40	4.15	13.32	3.25	12.84	14.28	0.82	2.41	0.70	2.27	5.36		
22	2.97	8.40	2.62	17.56	4.26	13.64	11.72	0.86	3.71	0.82	2.97	5.25		
23	6.06	6.19	1.06	20.50	3.82	12.36	10.35	0.90	3.18	0.74	3.32	4.92		
24	6.19	3.32	2.02	20.70	3.25	14.77	7.10	1.20	2.90	0.86	5.03	4.81		
25	5.47	2.69	2.83	19.10	3.46	13.80	5.80	1.45	2.83	0.74	4.48	4.37		
26	5.69	3.39	3.46	15.96	3.60	11.25	5.03	1.20	2.48	0.67	2.20	4.15		
27	4.70	3.82	4.04	12.68	4.37	11.10	3.71	0.98	2.08	2.83	1.78	4.15		
28	0.94	4.04	4.37	10.65	4.26	10.65	3.82	1.15	2.02	4.04	1.45	3.82		
29	0.82	3.25	4.26	9.45	5.25	15.11	4.59	1.20	1.84	4.04		4.15		
30	1.02	2.83	3.46	9.30	5.58	21.90	4.59	0.98	1.84	4.92		5.25		
31		2.62		8.01	5.47		5.03		1.60	4.59		5.80		
Total	180.58	106.45	85.75	246.89	164.68	355.36	581.31	78.50	40.22	52.93	53.97	116.35	2062.99	CMSDAY
Mean	6.02	3.43	2.86	7.96	5.31	11.85	18.75	2.62	1.30	1.71	1.93	3.75	5.65	CMS
Max	9.60	8.40	4.37	20.70	9.45	21.90	31.46	5.25	3.71	4.92	5.03	5.80	31.46	CMS
Min	0.74	0.90	1.06	0.14	3.25	3.60	3.71	0.82	0.43	0.61	0.94	1.40	0.14	CMS
Runoff	15.60	9.20	7.41	21.33	14.23	30.70	50.23	6.78	3.48	4.57	4.66	10.05	178.24	MCM
Momentary Peak		31.68	CMS. at 195.04 m. (MSL.)		at 13.00 Hours		on Oct 3, 2022							
Runoff Yield		1.98	Liters/Second/Square KM.			Momentary Peak Yield	11.09			Liters/Second/Square KM.				

WATER YEAR : 2022**MUN RIVER BASIN****Lam Ta Khong at Ban Khanong Phra Nua, Nakhon Ratchasima (M.199)**

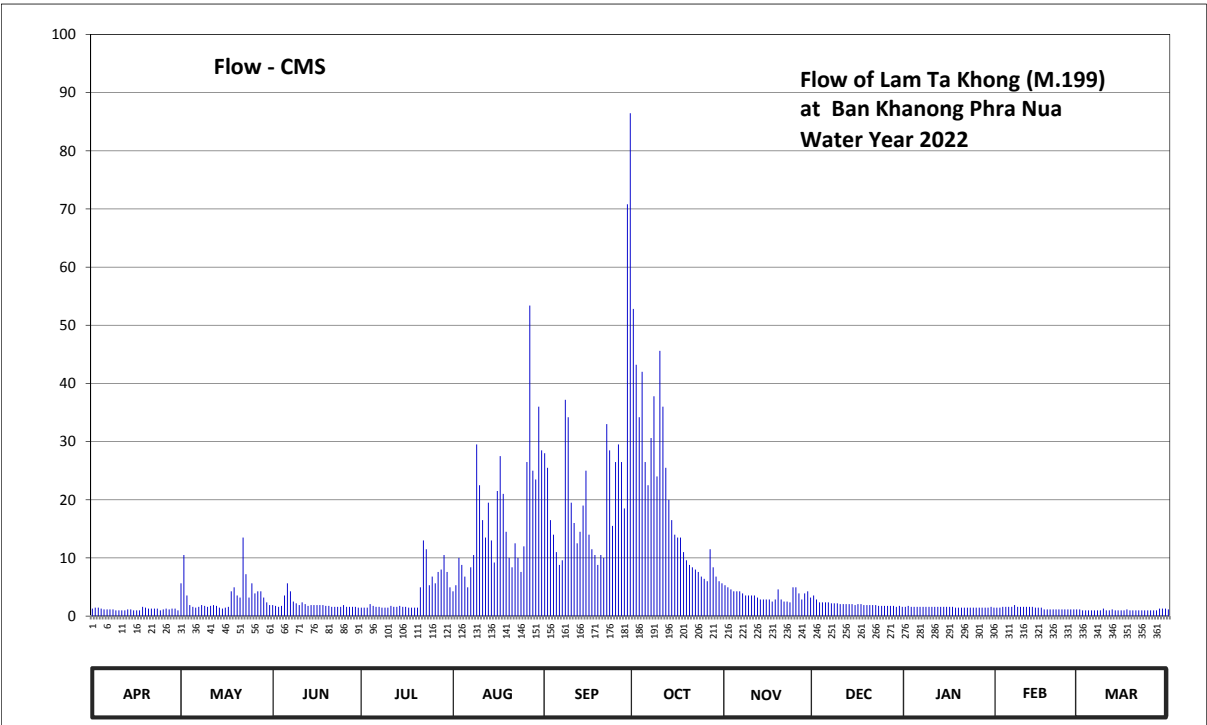
Lat 14 - 36 - 22 N Long 101 - 28 - 22 E

Location : on left bank at the bridge on road.

	Ban	Khanong Phra Nua	Amphoe	Pak Chong	Changwat	Nakhon Ratchasima
Drainge Area	521	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+6.096 m. (MSL.)
Gage Reading Frequency	Recording.					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.					
Period of Available Gage Records	2022 to date					
Rating Operation						
Period of Rating	2022 to date					
Rated by Float	-					
Rated by Current Meter	2022 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 in 2022.					

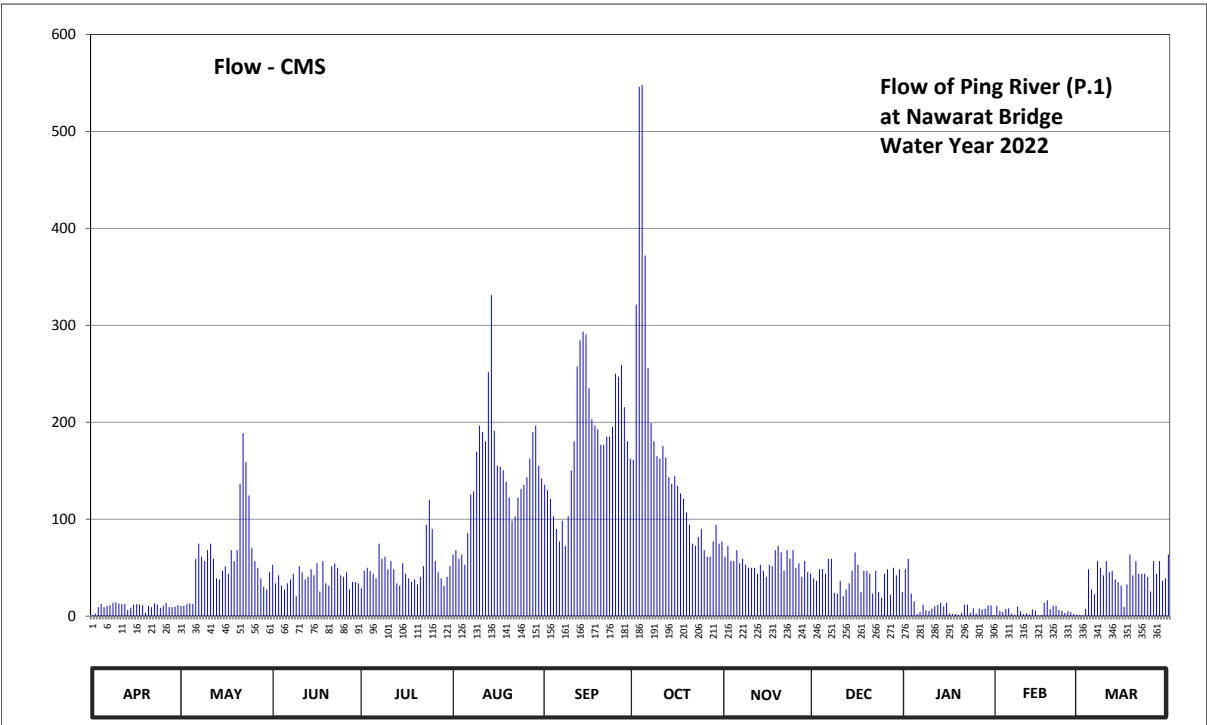
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.72	1.89	1.76	1.73	1.85	2.36	2.78	1.88	1.83	1.74	1.73	1.71	
2	1.73	2.01	1.75	1.73	1.88	2.31	2.62	1.87	1.81	1.75	1.73	1.70	
3	1.73	1.83	1.74	1.73	2.00	2.13	2.47	1.86	1.79	1.74	1.74	1.70	
4	1.72	1.76	1.75	1.77	1.97	2.08	2.60	1.85	1.79	1.74	1.74	1.70	
5	1.71	1.74	1.83	1.75	1.92	2.02	2.33	1.85	1.79	1.74	1.74	1.70	
6	1.71	1.73	1.89	1.74	1.87	1.97	2.25	1.85	1.79	1.74	1.74	1.70	
7	1.71	1.74	1.85	1.74	1.96	1.99	2.41	1.84	1.78	1.74	1.76	1.70	
8	1.71	1.76	1.80	1.73	2.01	2.52	2.53	1.83	1.78	1.74	1.74	1.70	
9	1.70	1.75	1.78	1.73	2.39	2.47	2.28	1.83	1.78	1.74	1.74	1.72	
10	1.70	1.74	1.76	1.73	2.25	2.19	2.66	1.83	1.77	1.74	1.74	1.70	
11	1.70	1.75	1.79	1.75	2.13	2.12	2.50	1.83	1.77	1.74	1.74	1.70	
12	1.70	1.76	1.77	1.74	2.07	2.05	2.31	1.82	1.77	1.74	1.74	1.71	
13	1.71	1.75	1.75	1.74	2.19	2.09	2.20	1.81	1.77	1.74	1.74	1.70	
14	1.71	1.73	1.76	1.75	2.06	2.18	2.13	1.81	1.77	1.74	1.73	1.70	
15	1.70	1.72	1.76	1.74	1.98	2.30	2.08	1.81	1.76	1.74	1.73	1.70	
16	1.70	1.73	1.76	1.74	2.23	2.08	2.07	1.81	1.77	1.74	1.73	1.70	
17	1.70	1.74	1.76	1.73	2.35	2.03	2.07	1.80	1.77	1.74	1.71	1.71	
18	1.74	1.85	1.76	1.73	2.22	2.01	2.02	1.81	1.76	1.73	1.71	1.70	
19	1.73	1.87	1.75	1.73	2.09	1.97	1.99	1.86	1.76	1.73	1.71	1.70	
20	1.72	1.83	1.75	1.73	2.00	2.01	1.97	1.81	1.76	1.73	1.71	1.70	
21	1.72	1.82	1.74	1.87	1.96	2.00	1.96	1.80	1.76	1.73	1.71	1.70	
22	1.72	2.07	1.74	2.06	2.05	2.45	1.95	1.80	1.76	1.73	1.71	1.70	
23	1.72	1.93	1.74	2.03	2.00	2.37	1.94	1.79	1.75	1.73	1.71	1.70	
24	1.70	1.82	1.74	1.88	1.94	2.11	1.92	1.87	1.75	1.73	1.71	1.70	
25	1.71	1.89	1.76	1.92	2.04	2.33	1.91	1.87	1.75	1.73	1.71	1.70	
26	1.72	1.84	1.74	1.89	2.33	2.39	1.90	1.84	1.75	1.73	1.71	1.70	
27	1.71	1.85	1.74	1.94	2.79	2.33	2.03	1.81	1.75	1.73	1.71	1.70	
28	1.72	1.85	1.74	1.95	2.30	2.17	1.96	1.84	1.75	1.73	1.71	1.72	
29	1.72	1.82	1.74	2.01	2.27	3.08	1.92	1.85	1.74	1.73		1.72	
30	1.70	1.79	1.73	1.94	2.50	3.33	1.90	1.82	1.75	1.74		1.72	
31		1.76		1.87	2.37		1.89		1.74	1.73		1.71	
Mean	1.71	1.81	1.76	1.81	2.13	2.25	2.18	1.83	1.77	1.74	1.73	1.70	
Max	1.74	2.07	1.89	2.06	2.79	3.33	2.78	1.88	1.83	1.75	1.76	1.72	3.33
Min	1.70	1.72	1.73	1.73	1.85	1.97	1.89	1.79	1.74	1.73	1.71	1.70	1.70
Annual Max Momentary Gage Height	4.13		m. (MSL.) ,				at 23.00 Hours , on Sep 22, 2022						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	0.32	m. (MSL.)					
Left Bank Elevation		6.01	m. (MSL.) ,										
Right Bank Elevation		6.04	m. (MSL.) ,			Drainage Are	521	Square Kilometers					

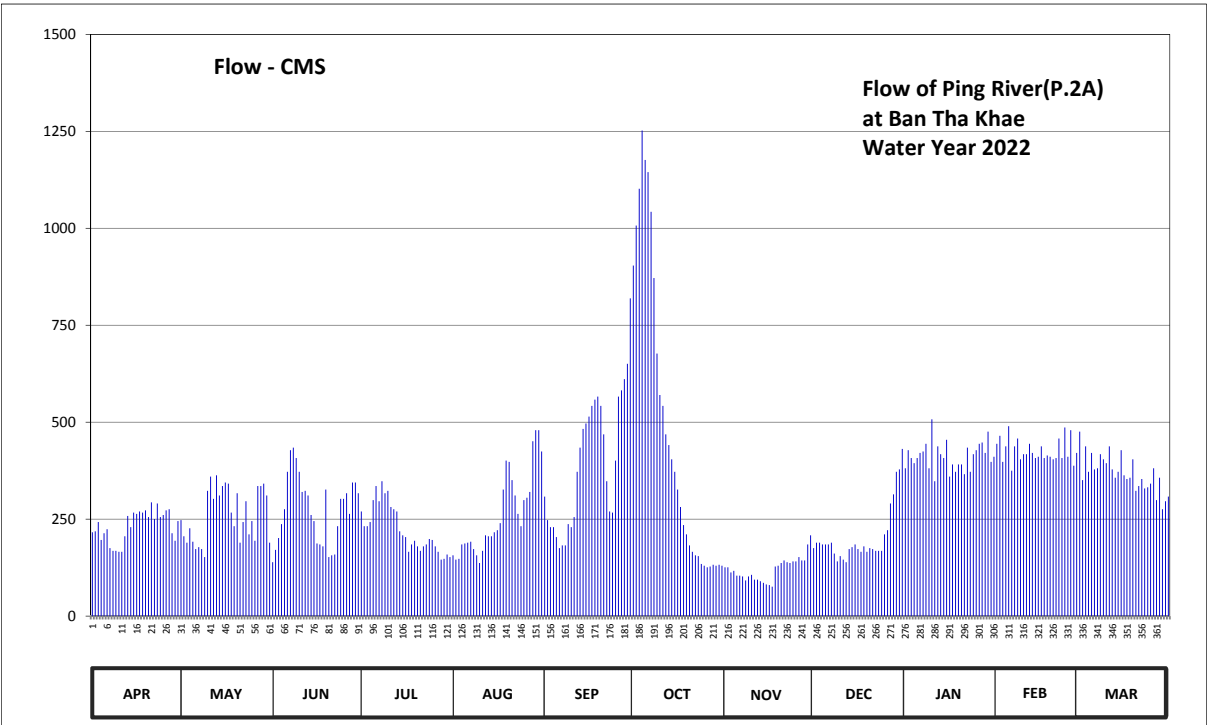


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.30	5.65	1.90	1.45	4.25	28.00	52.80	5.30	3.55	1.60	1.45	1.15	
2	1.45	10.50	1.75	1.45	5.30	25.50	43.20	4.95	2.85	1.75	1.45	1.00	
3	1.45	3.55	1.60	1.45	10.00	16.50	34.20	4.60	2.35	1.60	1.60	1.00	
4	1.30	1.90	1.75	2.05	8.80	14.00	42.00	4.25	2.35	1.60	1.60	1.00	
5	1.15	1.60	3.55	1.75	6.80	11.00	26.50	4.25	2.35	1.60	1.60	1.00	
6	1.15	1.45	5.65	1.60	4.95	8.80	22.50	4.25	2.35	1.60	1.60	1.00	
7	1.15	1.60	4.25	1.60	8.40	9.60	30.60	3.90	2.20	1.60	1.90	1.00	
8	1.15	1.90	2.50	1.45	10.50	37.20	37.80	3.55	2.20	1.60	1.60	1.00	
9	1.00	1.75	2.20	1.45	29.50	34.20	24.00	3.55	2.20	1.60	1.60	1.30	
10	1.00	1.60	1.90	1.45	22.50	19.50	45.60	3.55	2.05	1.60	1.60	1.00	
11	1.00	1.75	2.35	1.75	16.50	16.00	36.00	3.55	2.05	1.60	1.60	1.00	
12	1.00	1.90	2.05	1.60	13.50	12.50	25.50	3.20	2.05	1.60	1.60	1.15	
13	1.15	1.75	1.75	1.60	19.50	14.50	20.00	2.85	2.05	1.60	1.60	1.00	
14	1.15	1.45	1.90	1.75	13.00	19.00	16.50	2.85	2.05	1.60	1.45	1.00	
15	1.00	1.30	1.90	1.60	9.20	25.00	14.00	2.85	1.90	1.60	1.45	1.00	
16	1.00	1.45	1.90	1.60	21.50	14.00	13.50	2.85	2.05	1.60	1.45	1.00	
17	1.00	1.60	1.90	1.45	27.50	11.50	13.50	2.50	2.05	1.60	1.15	1.15	
18	1.60	4.25	1.90	1.45	21.00	10.50	11.00	2.85	1.90	1.45	1.15	1.00	
19	1.45	4.95	1.75	1.45	14.50	8.80	9.60	4.60	1.90	1.45	1.15	1.00	
20	1.30	3.55	1.75	1.45	10.00	10.50	8.80	2.85	1.90	1.45	1.15	1.00	
21	1.30	3.20	1.60	4.95	8.40	10.00	8.40	2.50	1.90	1.45	1.15	1.00	
22	1.30	13.50	1.60	13.00	12.50	33.00	8.00	2.50	1.90	1.45	1.15	1.00	
23	1.30	7.20	1.60	11.50	10.00	28.50	7.60	2.35	1.75	1.45	1.15	1.00	
24	1.00	3.20	1.60	5.30	7.60	15.50	6.80	4.95	1.75	1.45	1.15	1.00	
25	1.15	5.65	1.90	6.80	12.00	26.50	6.40	4.95	1.75	1.45	1.15	1.00	
26	1.30	3.90	1.60	5.65	26.50	29.50	6.00	3.90	1.75	1.45	1.15	1.00	
27	1.15	4.25	1.60	7.60	53.40	26.50	11.50	2.85	1.75	1.45	1.15	1.00	
28	1.30	4.25	1.60	8.00	25.00	18.50	8.40	3.90	1.75	1.45	1.15	1.30	
29	1.30	3.20	1.60	10.50	23.50	70.80	6.80	4.25	1.60	1.45		1.30	
30	1.00	2.35	1.45	7.60	36.00	86.45	6.00	3.20	1.75	1.60		1.30	
31		1.90		4.95	28.50		5.65		1.60	1.45		1.15	
Total	35.85	108.05	62.35	117.25	520.60	691.85	609.15	108.45	63.60	47.80	38.95	32.80	2436.70 CMSDAY
Mean	1.20	3.49	2.08	3.78	16.79	23.06	19.65	3.61	2.05	1.54	1.39	1.06	6.68 CMS
Max	1.60	13.50	5.65	13.00	53.40	86.45	52.80	5.30	3.55	1.75	1.90	1.30	86.45 CMS
Min	1.00	1.30	1.45	1.45	4.25	8.80	5.65	2.35	1.60	1.45	1.15	1.00	1.00 CMS
Runoff	3.10	9.34	5.39	10.13	44.98	59.78	52.63	9.37	5.50	4.13	3.37	2.83	210.53 MCM
Momentary Peak	138.45 CMS. at 4.13 m. (MSL.) at 23.00 Hours , on Sep 22, 2022												
Runoff Yield	12.81	Liters/Second/Square KM.			Momentary Peak Yield		265.74	Liters/Second/Square KM.					

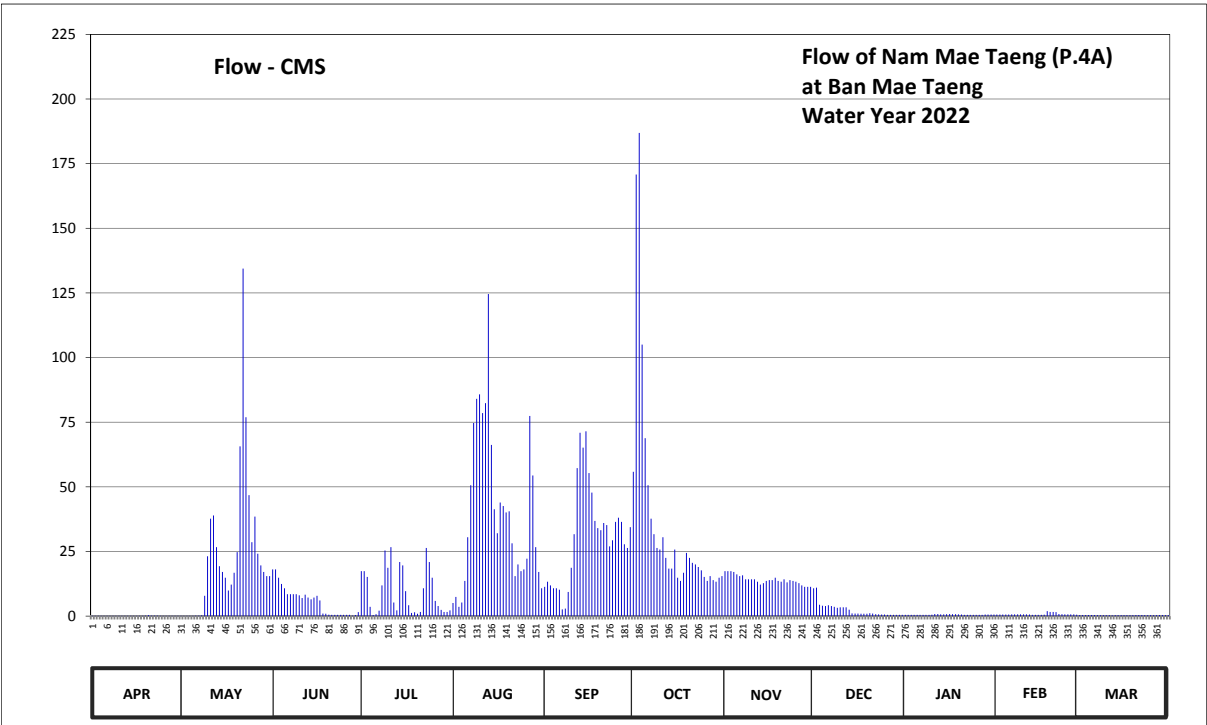
Gage Height in Meter (MSL.)														Water Year April 1, 2022 to March 31, 2023	
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	301.63	302.00	301.99	301.82	302.04	302.34	302.56	302.03	301.90	301.96	302.00	301.65		
	2	301.77	302.00	301.86	301.95	302.06	302.29	303.69	302.08	301.88	302.02	301.87	301.46		
	3	301.97	302.03	301.92	301.97	302.02	302.21	304.99	302.01	301.96	301.76	301.83	301.47		
	4	302.03	302.04	301.84	301.95	302.04	302.16	305.00	302.01	301.96	301.63	301.92	301.96		
	5	301.97	302.03	301.81	301.93	301.99	302.13	304.00	302.06	301.93	301.75	301.94	301.81		
	6	302.00	302.02	301.86	301.90	302.12	302.10	303.26	302.00	302.02	301.83	301.79	301.75		
	7	302.01	302.09	301.89	302.09	302.25	302.15	302.87	302.02	302.02	302.02	301.70	302.01		
	8	302.05	302.03	301.93	302.02	302.28	302.08	302.72	301.99	301.77	301.89	301.98	301.97		
	9	302.06	302.01	301.72	302.03	302.63	302.16	302.59	301.97	301.76	301.87	301.85	301.92		
	10	302.04	302.06	301.98	301.96	302.85	302.47	302.57	301.97	301.88	301.93	301.74	302.01		
	11	302.03	302.09	301.94	302.01	302.80	302.72	302.68	301.97	301.72	301.99	301.79	301.94		
	12	302.03	302.02	301.89	301.96	302.72	303.27	302.58	301.93	301.81	302.02	301.71	301.95		
	13	301.90	301.90	301.91	301.86	303.23	303.45	302.41	301.99	301.86	302.05	301.91	301.89		
	14	301.95	301.89	301.96	301.84	303.75	303.51	302.35	301.95	301.95	301.99	301.88	301.87		
	15	302.02	301.95	301.92	302.00	302.81	303.49	302.42	301.91	302.05	302.05	301.58	301.84		
	16	302.03	301.98	302.00	301.93	302.51	303.12	302.33	301.99	301.99	301.80	301.65	301.52		
	17	302.02	301.93	301.79	301.90	302.50	302.90	302.26	301.98	301.78	301.74	302.05	301.85		
	18	302.01	302.06	302.01	301.87	302.47	302.85	302.21	302.06	301.95	301.75	302.09	302.04		
	19	301.82	302.01	301.86	301.89	302.37	302.82	302.17	302.08	301.95	301.67	301.92	301.92		
	20	302.00	302.06	301.84	301.85	302.22	302.69	302.14	302.05	301.93	301.81	302.00	302.01		
	21	301.97	302.35	301.98	301.91	302.15	302.69	302.09	301.95	301.76	302.02	302.00	301.93		
	22	302.04	302.79	302.00	301.98	302.16	302.76	302.08	302.06	301.95	302.02	301.89	301.93		
	23	302.02	302.54	301.97	302.14	302.22	302.76	302.11	302.02	301.78	301.82	301.87	301.93		
	24	301.95	302.24	301.92	302.20	302.30	302.84	302.13	302.06	301.70	301.94	301.81	301.91		
	25	302.00	302.07	301.91	302.13	302.34	303.22	302.06	301.97	301.93	301.77	301.86	301.79		
	26	302.05	302.01	301.94	302.01	302.41	303.20	302.03	302.00	301.96	301.93	301.83	302.01		
	27	301.97	301.97	301.81	301.94	302.57	303.28	302.03	301.91	301.74	301.91	301.74	301.93		
	28	301.97	301.90	301.87	301.90	302.80	302.99	302.10	302.01	301.97	301.93	301.68	302.01		
	29	301.98	301.83	301.87	301.84	302.85	302.72	302.14	301.94	301.92	302.01		301.88		
	30	302.01	301.81	301.86	301.91	302.51	302.57	302.09	301.93	301.96	302.01		301.90		
31		301.94		301.98	302.40		302.10		301.78	301.66		302.04			
Mean		301.98	302.05	301.90	301.96	302.46	302.73	302.61	302.00	301.89	301.89	301.85	301.87		
Max		302.06	302.79	302.01	302.20	303.75	303.51	305.00	302.08	302.05	302.05	302.09	302.04	305.00	
Min		301.63	301.81	301.72	301.82	301.99	302.08	302.03	301.91	301.70	301.63	301.58	301.46	301.46	
Annual Max Momentary Gage Height			305.15	m. (MSL.) , at 15.00 Hours , on Oct 3, 2022											
Zero Gage at Bottom Elevation			300.50	m. (MSL.) , River Bed 299.55 m. (MSL.)											
Left Bank Elevation			307.86	m. (MSL.) ,											
Right Bank Elevation			307.79	m. (MSL.) , Drainage Are 6,287 Square Kilometers											



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.01	10.50	52.95	28.76	63.50	135.40	161.20	61.25	39.00	48.30	10.50	1.15		
2	2.55	10.50	33.88	46.75	68.00	129.90	321.40	72.50	36.44	59.00	5.45	0.52		
3	9.30	12.45	42.10	49.85	59.00	121.10	546.15	56.75	48.30	23.32	4.05	7.39		
4	12.45	13.10	31.32	46.75	63.50	102.80	548.00	56.75	48.30	15.15	7.30	48.30		
5	9.30	12.45	27.48	43.65	52.95	89.90	372.00	68.00	43.65	2.25	8.10	27.48		
6	10.50	59.00	33.88	39.00	85.60	77.00	256.00	54.50	59.00	4.05	2.85	22.60		
7	11.15	74.75	37.72	74.75	125.50	98.50	199.10	59.00	59.00	11.80	1.50	56.75		
8	13.75	61.25	43.65	59.00	128.80	72.50	180.40	52.95	24.04	6.15	9.70	49.85		
9	14.40	56.75	20.44	61.25	169.60	102.80	164.80	49.85	23.32	5.45	4.75	42.10		
10	13.10	68.00	51.40	48.30	196.50	150.40	162.40	49.85	36.44	7.70	2.10	56.75		
11	12.45	74.75	45.20	56.75	190.00	180.40	175.60	49.85	20.44	10.10	2.85	45.20		
12	12.45	59.00	37.72	48.30	180.40	257.50	163.60	43.65	27.48	11.80	1.65	46.75		
13	6.50	39.00	40.55	33.88	251.50	284.50	143.20	52.95	33.88	13.75	6.90	37.72		
14	8.50	37.72	48.30	31.32	331.00	293.50	136.50	46.75	46.75	10.10	5.80	35.16		
15	11.80	46.75	42.10	54.50	191.30	290.50	144.40	40.55	65.75	13.75	0.76	31.32		
16	12.45	51.40	54.50	43.65	155.20	235.00	134.30	52.95	52.95	3.00	1.15	9.50		
17	11.80	43.65	25.48	39.00	154.00	203.00	126.60	51.40	24.76	2.10	13.75	32.60		
18	11.15	68.00	56.75	35.16	150.40	196.50	121.10	68.00	46.75	2.25	16.35	63.50		
19	3.70	56.75	33.88	37.72	138.70	192.60	107.10	72.50	46.75	1.29	7.30	42.10		
20	10.50	68.00	31.32	32.60	122.20	176.80	94.20	65.75	43.65	3.35	10.50	56.75		
21	9.30	136.50	51.40	40.55	98.50	176.80	74.75	46.75	23.32	11.80	10.50	43.65		
22	13.10	188.80	54.50	51.40	102.80	185.20	72.50	68.00	46.75	11.80	6.15	43.65		
23	11.80	158.80	49.85	94.20	122.20	185.20	81.30	59.00	24.76	3.70	5.45	43.65		
24	8.50	124.40	42.10	120.00	131.00	195.20	89.90	68.00	19.00	8.10	3.35	40.55		
25	10.50	70.25	40.55	89.90	135.40	250.00	68.00	49.85	43.65	2.55	5.10	25.48		
26	13.75	56.75	45.20	56.75	143.20	247.00	61.25	54.50	48.30	7.70	4.05	56.75		
27	9.30	49.85	27.48	45.20	162.40	259.00	61.25	40.55	21.88	6.90	2.10	43.65		
28	9.30	39.00	35.16	39.00	190.00	215.60	77.00	56.75	49.85	7.70	1.36	56.75		
29	9.70	30.04	35.16	31.32	196.50	180.40	94.20	45.20	42.10	11.15		36.44		
30	11.15	27.48	33.88	40.55	155.20	162.40	74.75	43.65	48.30	11.15		39.00		
31		45.20		51.40	142.00		77.00		24.76	1.22		63.50		
Total	305.21	1850.84	1205.90	1571.21	4456.85	5447.40	5089.95	1658.00	1219.32	338.43	161.37	1206.56	24511.04	CMSDAY
Mean	10.17	59.70	40.20	50.68	143.77	181.58	164.19	55.27	39.33	10.92	5.76	38.92	67.15	CMS
Max	14.40	188.80	56.75	120.00	331.00	293.50	548.00	72.50	65.75	59.00	16.35	63.50	548.00	CMS
Min	1.01	10.50	20.44	28.76	52.95	72.50	61.25	40.55	19.00	1.22	0.76	0.52	0.52	CMS
Runoff	26.37	159.91	104.19	135.75	385.07	470.66	439.77	143.25	105.35	29.24	13.94	104.25	2117.75	MCM
Momentary Peak	575.75 CMS. at 305.15 m. (MSL.) at 15.00 Hours , on Oct 3, 2022													
Runoff Yield	10.68	Liters/Second/Square KM.			Momentary Peak Yield			91.58	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	216.18	247.68	139.00	269.68	156.76	308.16	903.77	125.68	175.33	381.30	444.19	475.74		
2	218.80	205.95	170.62	231.93	145.66	247.68	1007.23	125.68	189.46	427.64	465.15	350.65		
3	242.43	189.46	201.24	231.93	147.88	229.30	1101.87	112.69	189.46	407.78	397.85	437.57		
4	196.53	226.68	237.18	242.43	184.75	229.30	1252.41	116.80	184.75	394.54	437.57	372.11		
5	213.55	191.82	275.60	299.28	187.11	203.59	1176.35	104.47	184.75	407.78	489.86	421.02		
6	224.05	172.98	372.11	335.33	189.46	175.33	1145.02	104.47	184.75	421.02	375.17	378.24		
7	175.33	177.69	427.64	296.32	191.82	182.40	1042.72	102.42	189.46	424.33	437.57	381.30		
8	168.27	172.98	434.26	347.59	172.98	182.40	871.84	92.14	161.20	444.19	458.09	417.71		
9	168.27	152.32	407.78	317.04	156.76	237.18	676.85	102.42	141.22	381.30	404.47	404.47		
10	165.91	323.07	372.11	323.07	136.78	229.30	570.10	106.53	154.54	507.51	417.71	394.54		
11	165.91	359.85	320.00	281.52	168.27	255.55	542.10	94.20	145.66	347.59	417.71	437.57		
12	205.95	302.24	323.07	275.60	208.30	372.11	468.68	94.20	139.00	437.57	444.19	378.24		
13	258.17	362.91	311.12	269.68	205.95	434.26	440.88	90.09	172.98	417.71	421.02	356.78		
14	229.30	311.12	260.80	218.80	205.95	482.80	404.47	85.98	177.69	407.78	407.78	372.11		
15	266.72	335.33	245.05	208.30	216.18	496.92	372.11	81.87	184.75	454.56	411.09	427.64		
16	263.76	344.52	187.11	203.59	221.43	514.57	326.13	79.81	172.98	359.85	437.57	362.91		
17	269.68	341.46	184.75	165.91	239.80	542.10	281.52	75.70	165.91	391.23	407.78	353.72		
18	266.72	266.72	180.04	184.75	326.13	558.10	234.55	127.90	180.04	372.11	414.40	356.78		
19	272.64	231.93	326.13	194.17	401.16	566.10	210.93	130.12	165.91	391.23	411.09	404.47		
20	255.55	317.04	152.32	180.04	397.85	542.10	182.40	136.78	175.33	391.23	404.47	323.07		
21	293.36	189.46	156.76	168.27	350.65	468.68	165.91	143.44	172.98	365.98	407.78	335.33		
22	250.30	242.43	158.98	180.04	311.12	347.59	156.76	139.00	168.27	434.26	458.09	353.72		
23	290.40	296.32	231.93	184.75	263.76	269.68	154.54	136.78	168.27	372.11	407.78	329.20		
24	255.55	210.93	302.24	198.88	231.93	266.72	134.56	141.22	168.27	417.71	486.33	332.26		
25	260.80	245.05	302.24	196.53	299.28	401.16	130.12	141.22	210.93	427.64	411.09	341.46		
26	272.64	194.17	317.04	180.04	305.20	566.10	125.68	152.32	221.43	444.19	479.27	381.30		
27	275.60	335.33	263.76	165.91	320.00	582.10	127.90	143.44	290.40	447.50	387.92	299.28		
28	213.55	335.33	344.52	145.66	451.03	611.22	132.34	143.44	314.08	421.02	421.02	356.78		
29	194.17	341.46	344.52	147.88	479.27	650.60	130.12	184.75	372.11	475.74		275.60		
30	245.05	311.12	317.04	158.98	479.27	819.29	132.34	208.30	378.24	397.85		296.32		
31		189.46		152.32	424.33		130.12		430.95	411.09		308.16		
Total	6995.14	8124.81	8266.96	6956.22	8176.82	11972.39	14732.32	3623.86	6331.10	12783.34	11964.01	11416.05	111343.02	CMSDAY
Mean	233.17	262.09	275.57	224.39	263.77	399.08	475.24	120.80	204.23	412.37	427.29	368.26	305.05	CMS
Max	293.36	362.91	434.26	347.59	479.27	819.29	1252.41	208.30	430.95	507.51	489.86	475.74	1252.41	CMS
Min	165.91	152.32	139.00	145.66	136.78	175.33	125.68	75.70	139.00	347.59	375.17	275.60	75.70	CMS
Runoff	604.38	701.98	714.27	601.02	706.48	1034.41	1272.87	313.10	547.01	1104.48	1033.69	986.35	9620.04	MCM
Momentary Peak	1285.94 CMS. at 107.07 m. (MSL.) at 04.00 Hours , on Oct 4, 2022													
Runoff Yield	7.91	Liters/Second/Square KM.			Momentary Peak Yield			33.34	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.11	0.13	18.04	17.40	5.04	11.30	55.83	17.40	10.74	0.50	0.60	0.41	
2	0.11	0.14	18.04	17.40	7.40	13.33	170.80	17.40	11.02	0.50	0.60	0.41	
3	0.15	0.15	14.84	15.16	3.56	11.88	186.90	17.40	4.41	0.50	0.60	0.41	
4	0.14	0.13	12.46	3.56	5.25	10.74	105.00	17.08	4.04	0.50	0.60	0.41	
5	0.12	0.12	10.74	0.44	13.62	10.74	68.83	16.12	3.88	0.50	0.60	0.41	
6	0.11	0.19	8.50	0.75	30.51	10.18	50.60	15.48	4.20	0.50	0.65	0.41	
7	0.11	0.19	8.50	2.10	50.60	2.60	37.67	15.80	3.88	0.50	0.65	0.38	
8	0.11	0.32	8.50	11.88	74.70	2.92	31.68	14.20	3.56	0.50	0.65	0.35	
9	0.12	7.84	8.50	25.40	84.07	9.34	26.36	14.20	3.24	0.50	0.65	0.35	
10	0.15	23.16	8.06	18.68	85.80	18.68	25.72	14.20	3.40	0.55	0.65	0.35	
11	0.15	37.67	6.96	26.68	78.55	31.68	30.51	14.20	3.40	0.80	0.65	0.35	
12	0.15	38.90	8.28	5.25	82.40	57.25	22.52	13.33	3.40	0.80	0.60	0.32	
13	0.15	26.68	7.18	2.20	124.55	70.93	18.36	12.17	2.50	0.70	0.50	0.35	
14	0.14	19.32	6.52	20.92	66.20	65.15	18.36	12.75	1.06	0.70	0.50	0.35	
15	0.11	17.08	7.18	19.64	41.36	71.45	25.72	13.62	1.00	0.75	0.50	0.35	
16	0.10	14.84	7.84	9.62	32.07	55.35	14.84	13.91	1.00	0.80	0.50	0.35	
17	0.12	9.90	6.09	4.20	43.95	47.75	13.62	13.91	0.95	0.75	0.55	0.35	
18	0.15	12.17	1.00	1.24	42.59	36.85	16.76	14.84	0.95	0.75	1.90	0.35	
19	0.16	16.76	0.95	1.48	40.13	34.02	24.44	13.62	0.95	0.65	1.60	0.38	
20	0.35	24.76	0.55	0.95	40.54	33.24	22.52	13.33	1.12	0.60	1.60	0.41	
21	0.16	65.68	0.50	1.60	28.17	36.03	20.60	14.20	1.00	0.50	1.54	0.44	
22	0.20	134.40	0.50	10.74	15.48	35.21	19.96	13.04	0.75	0.50	0.80	0.41	
23	0.18	76.90	0.50	26.36	19.96	27.00	19.00	13.91	0.70	0.50	0.75	0.35	
24	0.14	46.80	0.50	20.92	17.40	29.34	17.72	13.62	0.60	0.50	0.65	0.35	
25	0.13	28.56	0.50	14.84	18.04	36.44	15.16	13.33	0.60	0.50	0.65	0.38	
26	0.15	38.49	0.50	5.88	22.20	38.08	13.62	12.75	0.50	0.50	0.65	0.38	
27	0.14	24.12	0.47	3.88	77.45	36.44	15.48	11.88	0.50	0.50	0.65	0.38	
28	0.12	19.64	0.18	2.40	54.40	27.78	13.91	11.30	0.50	0.60	0.55	0.41	
29	0.12	17.08	0.44	1.60	26.68	26.36	13.33	11.30	0.50	0.60		0.41	
30	0.14	15.48	1.54	1.60	17.08	34.41	14.84	11.30	0.50	0.60		0.35	
31		15.48		2.20	10.74		15.48		0.50	0.60		0.35	
Total	4.29	733.08	174.36	296.97	1260.49	932.47	1146.14	421.59	75.35	18.25	21.39	11.66	5096.04 CMSDAY
Mean	0.14	23.65	5.81	9.58	40.66	31.08	36.97	14.05	2.43	0.59	0.76	0.38	13.96 CMS
Max	0.35	134.40	18.04	26.68	124.55	71.45	186.90	17.40	11.02	0.80	1.90	0.44	186.90 CMS
Min	0.10	0.12	0.18	0.44	3.56	2.60	13.33	11.30	0.50	0.50	0.50	0.32	0.10 CMS
Runoff	0.37	63.34	15.06	25.66	108.91	80.57	99.03	36.43	6.51	1.58	1.85	1.01	440.30 MCM
Momentary Peak	226.25 CMS. at 337.31 m. (MSL.) at 03.00 Hours , on Oct 3, 2022												
Runoff Yield	7.28	Liters/Second/Square KM.		Momentary Peak Yield		117.96	Liters/Second/Square KM.						

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Kuang at Tha Nang Bridge , Lamphun (P.5)**

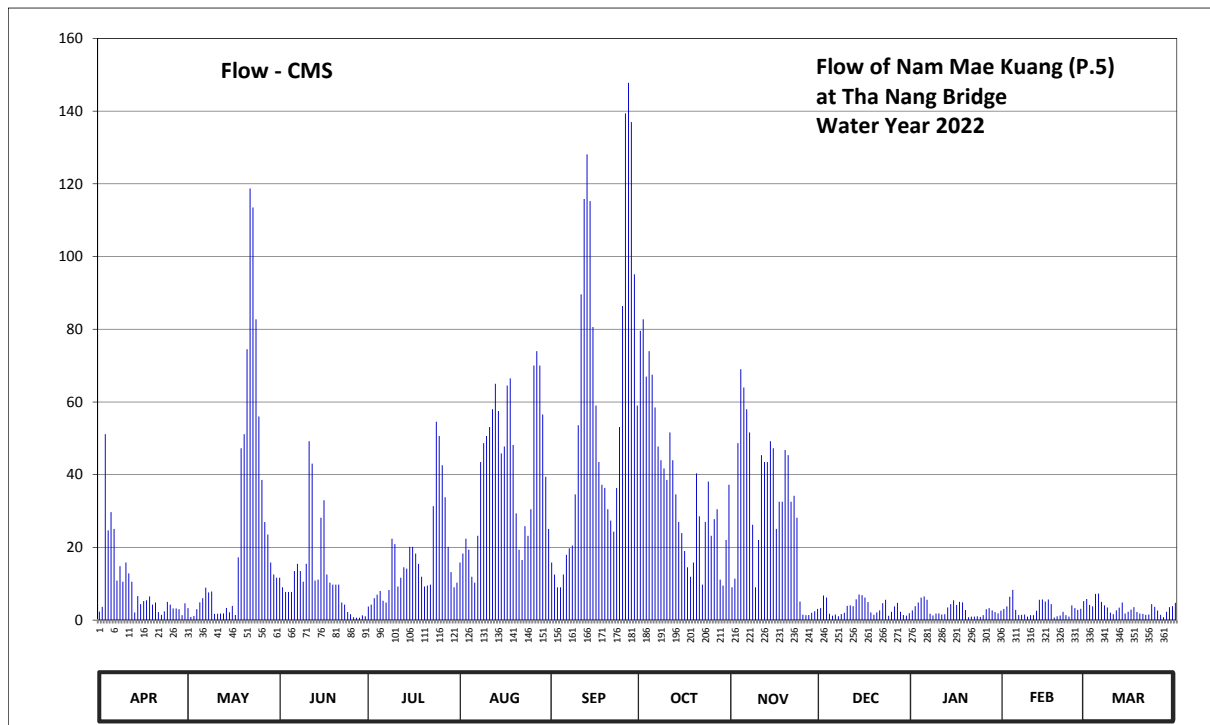
Lat 18 - 34 - 49 N Long 99 - 00 - 37 E

Location : on right bank at the bridge of Chiang Mai from Fang Highway.

	Ban	Tha Nang Bridge	Amphoe	Mueang	Changwat	Lamphun
Drainge Area	1,515	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+288.500 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	Near the gage site.				Elevation	+294.592 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1978 - 1992 , 2006 to date					
Rating Operation						
Period of Rating	1978 - 1992 , 2006 to date					
Rated by Float	-					
Rated by Current Meter	1978 - 1992 , 2006 to date					
Stability of Channel Regimes	Fairly stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 33 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	291.29	291.44	291.08	290.75	291.21	291.21	292.63	290.98	291.44	291.35	291.41	291.80	
2	291.49	290.89	290.98	290.78	291.28	291.11	292.69	291.07	291.92	291.52	291.51	291.57	
3	292.06	290.98	290.93	290.86	291.39	290.98	292.38	292.01	291.85	291.66	291.88	291.51	
4	291.45	291.40	290.93	290.90	291.31	290.98	292.52	292.42	291.16	291.85	292.09	291.97	
5	291.58	291.67	290.93	290.94	291.09	291.11	292.39	292.32	291.01	291.89	291.37	291.98	
6	291.46	291.83	291.14	290.83	291.03	291.27	292.21	292.20	291.11	291.77	291.07	291.69	
7	291.05	292.16	291.20	290.81	291.41	291.32	291.99	292.07	290.95	291.16	291.08	291.55	
8	291.18	292.01	291.14	290.95	291.90	291.34	291.91	291.49	291.14	291.03	291.11	291.47	
9	291.04	292.04	291.04	291.39	292.01	291.70	291.86	290.98	291.22	291.18	290.92	291.23	
10	291.21	291.15	291.20	291.35	292.05	292.11	291.79	291.38	291.53	291.19	291.06	291.13	
11	291.12	291.16	292.02	290.99	292.10	292.82	292.07	291.94	291.55	291.11	291.06	291.35	
12	291.04	291.18	291.89	291.08	292.20	293.29	291.91	291.90	291.52	291.13	291.33	291.46	
13	291.24	291.19	291.05	291.17	292.34	293.50	291.70	291.90	291.79	291.47	291.77	291.66	
14	291.90	291.45	291.06	291.16	292.19	293.28	291.51	292.02	291.95	291.60	291.78	291.17	
15	291.60	291.25	291.54	291.33	291.95	292.65	291.43	291.98	291.93	291.75	291.70	291.28	
16	291.72	291.53	291.66	291.33	291.99	292.22	291.30	291.46	291.85	291.57	291.78	291.38	
17	291.75	291.07	291.11	291.28	292.33	291.90	291.17	291.65	291.68	291.69	291.60	291.48	
18	291.89	291.25	291.03	291.20	292.37	291.76	291.09	291.65	291.24	291.67	290.83	291.27	
19	291.58	291.98	291.01	291.09	292.00	291.74	291.21	291.97	291.08	291.36	290.95	291.17	
20	291.66	292.06	291.01	290.99	291.57	291.60	291.83	291.94	291.24	290.87	291.02	291.15	
21	291.26	292.53	291.01	291.00	291.31	291.52	291.55	291.65	291.35	290.92	291.28	291.08	
22	291.09	293.34	290.81	291.01	291.23	291.44	291.01	291.69	291.64	290.92	291.05	291.11	
23	291.30	293.25	290.78	291.62	291.48	291.74	291.51	291.54	291.77	290.95	290.92	291.60	
24	291.69	292.69	290.66	292.13	291.41	292.10	291.78	290.82	291.00	290.89	291.55	291.49	
25	291.58	292.16	290.62	292.05	291.60	292.76	291.41	291.10	291.28	291.06	291.44	291.34	
26	291.43	291.79	290.56	291.88	292.44	293.69	291.53	291.06	291.51	291.40	291.37	291.08	
27	291.43	291.51	290.55	291.68	292.52	293.83	291.60	291.07	291.65	291.44	291.42	290.87	
28	291.40	291.42	290.55	291.33	292.44	293.65	291.06	291.22	291.28	291.35	291.72	291.28	
29	291.06	291.21	290.60	291.13	292.17	292.92	291.00	291.31	291.07	291.26		291.48	
30	291.63	291.11	290.58	290.98	291.81	292.22	291.38	291.41	291.01	291.19		291.52	
31		291.08		291.03	291.46		291.76		291.20	291.33		291.65	
Mean	291.44	291.67	291.02	291.19	291.79	292.13	291.72	291.61	291.42	291.34	291.36	291.41	
Max	292.06	293.34	292.02	292.13	292.52	293.83	292.69	292.42	291.95	291.89	292.09	291.98	293.83
Min	291.04	290.89	290.55	290.75	291.03	290.98	291.00	290.82	290.95	290.87	290.83	290.87	290.55
Annual Max Momentary Gage Height	293.86	m. (MSL.) ,		at 15.00 Hours , on Sep 27, 2022									
Zero Gage at Bottom Elevation	288.50	m. (MSL.) ,		River Bed		288.50	m. (MSL.)						
Left Bank Elevation	295.89	m. (MSL.) ,											
Right Bank Elevation	296.08	m. (MSL.) ,		Drainage Are		1,515	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.35	3.28	11.66	3.75	15.85	15.85	79.58	9.00	3.28	2.70	3.07	5.80		
2	3.63	0.87	9.00	4.26	18.30	12.53	82.73	11.39	6.78	3.84	3.77	4.19		
3	51.14	1.14	7.75	6.04	22.42	9.00	67.00	48.69	6.20	4.82	6.44	3.77		
4	24.70	3.00	7.75	7.00	19.38	9.00	74.00	69.00	1.74	6.20	8.31	7.23		
5	29.72	4.89	7.75	8.00	11.93	12.53	67.50	64.00	1.23	6.52	2.82	7.32		
6	25.08	6.04	13.52	5.32	10.31	17.95	58.50	58.00	1.54	5.59	1.41	5.03		
7	10.85	8.94	15.50	4.84	23.18	19.76	47.73	51.63	1.05	1.74	1.44	4.05		
8	14.84	7.59	13.52	8.25	43.50	20.52	43.97	26.22	1.66	1.29	1.54	3.49		
9	10.58	7.86	10.58	22.42	48.69	34.60	41.70	9.00	2.00	1.82	0.96	2.05		
10	15.85	1.70	15.50	20.90	50.65	53.59	38.56	22.04	3.91	1.86	1.38	1.62		
11	12.86	1.74	49.18	9.25	53.10	89.60	51.63	45.38	4.05	1.54	1.38	2.70		
12	10.58	1.82	43.05	11.66	58.00	115.82	43.97	43.50	3.84	1.62	2.58	3.42		
13	2.10	1.86	10.85	14.51	65.00	128.10	34.60	43.50	5.73	3.49	5.59	4.82		
14	6.60	3.35	11.12	14.18	57.51	115.24	26.99	49.18	7.05	4.40	5.66	1.78		
15	4.40	2.15	28.16	20.14	45.85	80.63	23.94	47.26	6.87	5.45	5.10	2.30		
16	5.24	3.91	32.96	20.14	47.73	59.00	19.00	25.08	6.20	4.19	5.66	2.88		
17	5.45	1.41	12.53	18.30	64.50	43.50	14.51	32.55	4.96	5.03	4.40	3.56		
18	6.52	17.25	10.31	15.50	66.50	37.24	11.93	32.55	2.10	4.89	0.69	2.25		
19	4.26	47.26	9.77	11.93	48.20	36.36	15.85	46.79	1.44	2.76	1.05	1.78		
20	4.82	51.14	9.77	9.25	29.33	30.50	40.35	45.38	2.10	0.81	1.26	1.70		
21	2.20	74.50	9.77	9.50	19.38	27.38	28.55	32.55	2.70	0.96	2.30	1.44		
22	1.47	118.72	4.84	9.77	16.55	24.32	9.77	34.19	4.68	0.96	1.35	1.54		
23	2.40	113.50	4.26	31.32	25.84	36.36	26.99	28.16	5.59	1.05	0.96	4.40		
24	5.03	82.73	2.26	54.57	23.18	53.10	38.12	5.08	1.20	0.87	4.05	3.63		
25	4.26	56.04	1.62	50.65	30.50	86.40	23.18	1.50	2.30	1.38	3.28	2.64		
26	3.21	38.56	0.78	42.60	70.00	139.40	27.77	1.38	3.77	3.00	2.82	1.44		
27	3.21	26.99	0.65	33.78	74.00	147.80	30.50	1.41	4.75	3.28	3.14	0.81		
28	3.00	23.56	0.65	20.14	70.00	137.00	11.12	2.00	2.30	2.70	5.24	2.30		
29	1.38	15.85	1.30	13.19	56.53	95.10	9.50	2.46	1.41	2.20		3.56		
30	4.61	12.53	1.04	9.00	39.45	59.00	22.04	3.07	1.23	1.86		3.84		
31		11.66		10.31	25.08		37.24		1.90	2.58		4.75		
Total	282.34	751.84	357.40	520.47	1250.44	1747.18	1148.82	891.94	105.56	91.40	87.65	102.09	7337.13	CMSDAY
Mean	9.41	24.25	11.91	16.79	40.34	58.24	37.06	29.73	3.41	2.95	3.13	3.29	20.10	CMS
Max	51.14	118.72	49.18	54.57	74.00	147.80	82.73	69.00	7.05	6.52	8.31	7.32	147.80	CMS
Min	1.38	0.87	0.65	3.75	10.31	9.00	9.50	1.38	1.05	0.81	0.69	0.81	0.65	CMS
Runoff	24.39	64.96	30.88	44.97	108.04	150.96	99.26	77.06	9.12	7.90	7.57	8.82	633.93	MCM
Momentary Peak		149.60	CMS.	at 293.86 m. (MSL.) at 15.00 Hours , on Sep 27, 2022										
Runoff Yield	13.27		Liters/Second/Square KM.			Momentary Peak Yield	98.75		Liters/Second/Square KM.					

WATER YEAR : 2022**PING RIVER BASIN****Ping River at Ban Huai Yang , Kamphaeng Phet (P.7A)**

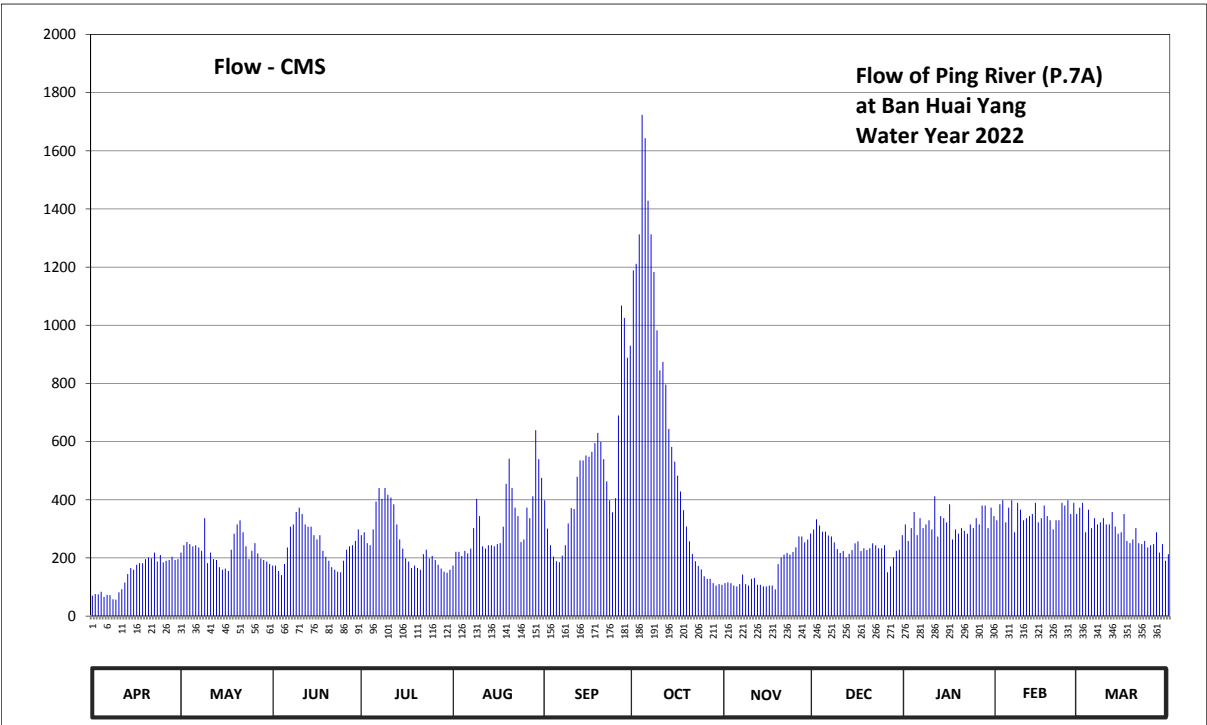
Lat 16 - 28 - 40 N Long 99 - 31 - 05 E

Location : on left bank about 100 meters upstream from the bridge on highway.

	Ban	Huai Yang	Amphoe	Mueang	Changwat	Kamphaeng Phet
Drainge Area	42,328	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+71.730	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the gage observers house.				Elevation	+77.717 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1960 to date					
Rating Operation						
Period of Rating	1960 - 1961 , 1967 to date					
Rated by Float	-					
Rated by Current Meter	1960 - 1961 , 1967 to date					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow regulated by Phumiphol Dam reservior above gage site. Stage-discharge relation defined by 26 discharge measurements made in 2022.					

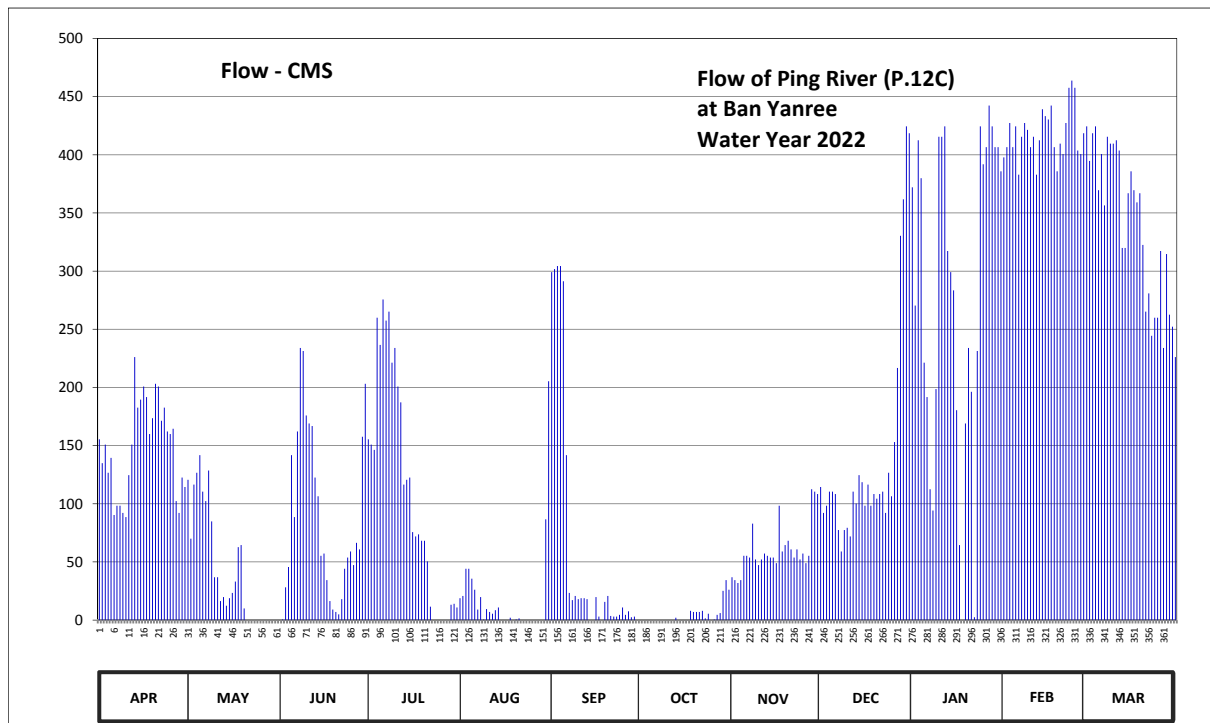
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	72.06	72.79	72.63	72.94	72.63	72.87	74.54	72.01	72.59	73.01	73.03	73.09	
2	72.10	72.86	72.63	72.96	72.80	72.60	74.58	72.02	72.69	72.90	73.11	73.12	
3	72.09	72.89	72.55	72.88	72.80	72.43	74.76	72.01	72.63	72.99	73.14	72.96	
4	72.15	72.87	72.48	72.86	72.75	72.31	75.45	71.98	72.57	73.07	73.02	73.08	
5	72.03	72.85	72.65	72.98	72.81	72.26	75.32	71.97	72.57	72.94	73.09	72.99	
6	72.08	72.86	72.84	73.13	72.78	72.25	74.96	72.00	72.53	73.04	73.14	73.04	
7	72.07	72.84	73.00	73.21	72.83	72.32	74.76	72.11	72.52	72.99	72.96	73.01	
8	71.97	72.81	73.01	73.15	72.99	72.43	74.53	72.00	72.46	73.01	73.12	73.02	
9	71.96	73.04	73.07	73.21	73.15	72.65	74.16	71.98	72.39	73.03	73.08	73.04	
10	72.14	72.66	73.09	73.18	73.05	72.80	73.89	72.06	72.35	72.98	73.03	73.01	
11	72.21	72.79	73.06	73.16	72.85	72.79	73.95	72.07	72.37	73.17	73.04	73.01	
12	72.35	72.71	73.01	73.11	72.83	73.08	73.79	71.99	72.30	72.93	73.05	73.07	
13	72.50	72.70	73.00	73.01	72.86	73.22	73.47	71.99	72.34	73.05	73.06	73.00	
14	72.60	72.61	73.00	72.91	72.86	73.22	73.33	71.97	72.38	73.04	73.12	72.95	
15	72.57	72.57	72.94	72.83	72.85	73.26	73.21	71.97	72.45	73.02	73.02	72.96	
16	72.64	72.59	72.91	72.72	72.87	73.25	73.09	71.98	72.47	73.11	73.04	73.06	
17	72.66	72.55	72.94	72.68	72.88	73.29	72.95	71.98	72.37	72.91	73.10	72.90	
18	72.66	72.82	72.81	72.60	73.00	73.36	72.78	71.93	72.40	72.98	73.05	72.88	
19	72.71	72.95	72.74	72.63	73.22	73.44	72.62	72.23	72.38	72.95	73.03	72.91	
20	72.73	73.01	72.69	72.60	73.28	73.37	72.47	72.30	72.40	72.99	72.98	72.99	
21	72.72	73.03	72.61	72.57	73.21	73.23	72.34	72.33	72.45	72.97	73.03	72.88	
22	72.79	72.96	72.57	72.77	73.09	73.04	72.26	72.35	72.43	72.95	73.03	72.87	
23	72.68	72.85	72.54	72.82	73.05	72.87	72.21	72.33	72.40	73.01	73.12	72.90	
24	72.76	72.71	72.53	72.72	72.89	72.76	72.17	72.36	72.40	72.99	73.10	72.84	
25	72.67	72.81	72.69	72.75	72.91	72.89	72.09	72.41	72.43	73.04	73.14	72.86	
26	72.69	72.88	72.82	72.70	73.09	73.57	72.06	72.52	72.53	73.01	73.06	72.87	
27	72.70	72.78	72.85	72.64	73.04	74.32	72.06	72.52	72.62	73.10	73.12	72.96	
28	72.74	72.72	72.86	72.59	73.17	74.24	72.01	72.46	72.73	73.10	73.06	72.79	
29	72.70	72.70	72.90	72.54	73.46	73.98	71.98	72.49	72.81	72.99		72.87	
30	72.71	72.68	72.98	72.52	73.23	74.06	72.00	72.55	72.82	73.09		72.69	
31		72.65		72.57	73.07		71.99		72.94	73.05		72.77	
Mean	72.45	72.79	72.81	72.84	72.98	73.07	73.28	72.16	72.51	73.01	73.07	72.95	
Max	72.79	73.04	73.09	73.21	73.46	74.32	75.45	72.55	72.94	73.17	73.14	73.12	75.45
Min	71.96	72.55	72.48	72.52	72.63	72.25	71.98	71.93	72.30	72.90	72.96	72.69	71.93
Annual Max Momentary Gage Height	75.52		m. (MSL.) ,				at 14.00 Hours , on Oct 4, 2022						
Zero Gage at Bottom Elevation	71.73		m. (MSL.) ,			River Bed	69.12	m. (MSL.)					
Left Bank Elevation	77.99		m. (MSL.) ,										
Right Bank Elevation	77.77		m. (MSL.) ,			Drainage Are	42,328	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	70.37	218.13	173.90	278.24	173.90	398.00	1188.99	113.16	297.34	314.93	329.39	372.77		
2	75.95	243.52	173.90	288.06	220.90	300.70	1211.33	116.12	332.52	258.60	384.60	389.20		
3	74.56	254.83	155.15	251.06	220.90	243.50	1312.34	113.16	311.31	302.79	398.40	288.06		
4	83.38	247.29	140.52	243.52	207.08	204.60	1723.60	104.94	290.61	358.31	322.16	365.54		
5	66.19	239.75	179.43	297.88	224.67	188.60	1643.04	102.31	290.61	278.24	372.77	302.79		
6	73.16	243.52	235.98	393.80	215.37	185.40	1427.92	110.20	277.15	336.62	398.40	336.62		
7	71.77	235.98	307.70	440.40	232.21	207.80	1312.34	142.76	273.78	302.79	288.06	314.93		
8	57.86	224.67	314.93	403.00	302.79	243.50	1183.41	110.20	253.59	314.93	389.20	322.16		
9	56.48	336.62	358.31	440.40	403.00	318.38	982.76	104.94	230.20	329.39	365.54	336.62		
10	81.89	182.19	372.77	416.80	343.85	371.40	844.74	127.96	217.40	297.88	329.39	314.93		
11	92.45	218.13	351.08	407.60	239.75	367.86	873.90	130.92	223.80	412.20	336.62	314.93		
12	115.55	196.02	314.93	384.60	232.21	479.16	796.14	107.57	201.40	273.33	343.85	358.31		
13	144.70	193.25	307.70	314.93	243.52	535.28	643.87	107.57	214.20	343.85	351.08	307.70		
14	165.60	168.37	307.70	263.51	243.52	535.28	581.92	102.31	227.00	336.62	389.20	283.15		
15	159.33	159.33	278.24	232.21	239.75	552.24	531.04	102.31	250.23	322.16	322.16	288.06		
16	176.66	163.51	263.51	198.78	247.29	548.00	483.13	104.94	256.96	384.60	336.62	351.08		
17	182.19	155.15	278.24	187.72	251.06	564.96	428.40	104.94	223.80	263.51	380.00	258.60		
18	182.19	228.44	224.67	165.60	307.70	594.64	364.33	91.79	233.40	297.88	343.85	251.06		
19	196.02	283.15	204.31	173.90	454.80	630.04	307.77	179.00	227.00	283.15	329.39	263.51		
20	201.55	314.93	190.49	165.60	541.20	598.88	256.96	201.40	233.40	302.79	297.88	302.79		
21	198.78	329.39	168.37	159.33	440.40	539.52	214.20	211.00	250.23	292.97	329.39	251.06		
22	218.13	288.06	159.33	212.60	372.77	463.28	188.60	217.40	243.50	283.15	329.39	247.29		
23	187.72	239.75	153.06	228.44	343.85	398.00	172.60	211.00	233.40	314.93	389.20	258.60		
24	209.84	196.02	150.97	198.78	254.83	357.26	160.52	220.60	233.40	302.79	380.00	235.98		
25	184.96	224.67	190.49	207.08	263.51	405.60	136.84	236.77	243.50	336.62	398.40	243.52		
26	190.49	251.06	228.44	193.25	372.77	689.97	127.96	273.78	150.97	314.93	351.08	247.29		
27	193.25	215.37	239.75	176.66	336.62	1068.04	127.96	273.78	171.13	380.00	389.20	288.06		
28	204.31	198.78	243.52	163.51	412.20	1025.28	113.16	253.59	201.55	380.00	351.08	218.13		
29	193.25	193.25	258.60	153.06	639.26	888.48	104.94	263.69	224.67	302.79		247.29		
30	196.02	187.72	297.88	148.88	539.52	929.91	110.20	283.88	228.44	372.77		190.49		
31		179.43		159.33	475.19		107.57		278.24	343.85		212.60		
Total	4304.60	7010.28	7223.87	7948.53	9996.39	14833.56	19662.48	4823.99	7524.73	9939.37	9926.30	8963.12	112157.22	CMSDAY
Mean	143.49	226.14	240.80	256.40	322.46	494.45	634.27	160.80	242.73	320.62	354.51	289.13	307.28	CMS
Max	218.13	336.62	372.77	440.40	639.26	1068.04	1723.60	283.88	332.52	412.20	398.40	389.20	1723.60	CMS
Min	56.48	155.15	140.52	148.88	173.90	185.40	104.94	91.79	150.97	258.60	288.06	190.49	56.48	CMS
Runoff	371.92	605.69	624.14	686.75	863.69	1281.62	1698.84	416.79	650.14	858.76	857.63	774.41	9690.38	MCM
Momentary Peak	1767.84	CMS. at 75.52 m. (MSL.) at 14.00 Hours , on Oct 4, 2022												
Runoff Yield	7.26	Liters/Second/Square KM.		Momentary Peak Yield		41.77	Liters/Second/Square KM.							

Gage Height in Meter (MSL.)														Water Year April 1, 2022 to March 31, 2023	
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	130.00	129.84	128.53	130.00	129.21	130.59	128.84	129.38	129.81	130.87	130.96	131.05		
	2	129.91	129.58	128.91	129.98	129.23	130.60	128.87	129.36	129.70	130.48	130.99	130.95		
	3	129.98	129.82	129.31	129.96	129.43	130.61	128.57	129.34	129.73	131.01	131.06	131.03		
	4	129.87	129.87	129.44	130.44	129.43	130.61	128.71	129.36	129.79	130.90	130.99	131.05		
	5	129.93	129.94	129.94	130.35	129.37	130.56	128.55	129.50	129.79	130.29	131.05	130.86		
	6	129.69	129.79	129.68	130.50	129.29	129.94	128.53	129.50	129.78	130.16	130.91	130.97		
	7	129.73	129.75	130.03	130.43	129.08	129.26	128.59	129.49	129.62	129.80	131.02	130.81		
	8	129.73	129.88	130.34	130.46	129.22	129.19	128.53	129.65	129.52	129.71	131.06	131.02		
	9	129.70	129.66	130.33	130.29	128.91	129.23	128.53	129.48	129.62	130.19	131.04	131.00		
	10	129.68	129.38	130.09	130.34	129.09	129.20	128.57	129.45	129.63	131.02	130.99	131.00		
	11	129.86	129.38	130.06	130.20	129.04	129.21	128.53	129.48	129.59	131.02	131.02	131.01		
	12	129.98	129.18	130.05	130.14	129.01	129.21	128.53	129.51	129.79	131.05	130.91	130.98		
	13	130.31	129.22	129.85	129.82	129.07	129.20	128.94	129.50	129.74	130.66	131.01	130.67		
	14	130.12	129.13	129.77	129.84	129.11	128.76	128.53	129.49	129.86	130.59	131.10	130.67		
	15	130.15	129.21	129.50	129.85	128.89	128.82	128.53	129.49	129.83	130.53	131.08	130.85		
	16	130.20	129.26	129.51	129.61	128.85	129.22	128.76	129.46	129.73	130.11	131.07	130.92		
	17	130.16	129.35	129.36	129.59	128.89	128.96	128.53	129.73	129.82	129.55	131.11	130.86		
	18	130.02	129.54	129.18	129.60	128.94	128.79	129.06	129.52	129.73	128.58	130.99	130.82		
	19	130.08	129.55	129.08	129.57	128.86	129.17	129.04	129.55	129.78	130.06	130.92	130.85		
	20	130.21	129.10	129.04	129.57	128.91	129.23	129.04	129.57	129.76	130.34	131.00	130.68		
	21	130.20	128.66	129.00	129.47	128.93	128.97	129.04	129.53	129.78	130.18	130.97	130.46		
	22	130.07	128.58	129.20	129.12	128.76	128.96	129.06	129.49	129.79	128.95	131.06	130.52		
	23	130.12	128.57	129.43	128.86	128.76	128.96	128.93	129.53	129.70	130.33	131.16	130.38		
	24	130.03	128.57	129.49	128.86	128.63	128.99	129.01	129.48	129.87	131.05	131.18	130.44		
	25	130.02	128.51	129.52	128.73	128.75	129.11	128.88	129.51	129.77	130.94	131.16	130.44		
	26	130.04	128.44	129.45	128.76	128.72	128.99	128.91	129.46	129.99	130.99	130.98	130.66		
	27	129.75	128.40	129.56	128.67	128.90	129.05	128.99	129.50	130.27	131.11	130.97	130.34		
	28	129.70	128.49	129.53	128.84	128.80	128.95	129.02	129.80	130.71	131.05	131.03	130.65		
	29	129.85	128.36	130.01	129.14	128.75	128.96	129.28	129.79	130.83	130.99		130.45		
	30	129.81	128.37	130.21	129.15	129.67	128.83	129.36	129.78	131.05	130.99		130.41		
31		128.57		129.11	130.22		129.29		131.03	130.92		130.31			
Mean	129.96	129.16	129.58	129.65	129.06	129.34	128.82	129.52	129.92	130.47	131.03	130.75			
Max	130.31	129.94	130.34	130.50	130.22	130.61	129.36	129.80	131.05	131.11	131.18	131.05	131.18		
Min	129.68	128.36	128.53	128.67	128.63	128.76	128.53	129.34	129.52	128.58	130.91	130.31	128.36		
Annual Max Momentary Gage Height			132.70	m. (MSL.) ,			at 21.00 Hours , on Mar 29, 2022								
Zero Gage at Bottom Elevation			129.00	m. (MSL.) ,			River Bed	128.84	m. (MSL.)						
Left Bank Elevation			136.33	m. (MSL.) ,											
Right Bank Elevation			138.12	m. (MSL.) ,			Drainage Are	26,117	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	155.40	120.55	0.00	155.40	18.90	299.09	0.00	36.84	114.48	372.08	397.69	424.37		
2	134.97	70.06	0.50	150.86	20.70	301.70	0.00	34.38	92.20	270.42	406.59	394.73		
3	150.86	116.50	28.23	146.32	44.10	304.31	0.00	31.92	98.28	412.52	427.34	418.45		
4	126.63	126.63	45.70	259.99	44.10	304.31	0.00	34.38	110.43	379.90	406.59	424.37		
5	139.51	141.78	141.78	236.53	35.61	291.27	0.00	55.30	110.43	221.23	424.37	369.48		
6	90.36	110.43	88.51	275.63	26.10	141.78	0.00	55.30	108.40	191.72	382.87	400.66		
7	98.28	102.33	162.21	257.39	9.00	23.40	0.00	53.70	77.44	112.45	415.48	356.44		
8	98.28	128.65	233.93	265.21	19.80	17.20	0.00	82.98	58.99	94.23	427.34	415.48		
9	92.20	84.82	231.32	221.23	0.50	20.70	0.00	52.10	77.44	198.53	421.41	409.55		
10	88.51	36.84	175.83	233.93	9.50	18.00	0.00	47.30	79.29	415.48	406.59	409.55		
11	124.60	36.84	169.02	200.80	7.00	18.90	0.00	52.10	71.91	415.48	415.48	412.52		
12	150.86	16.40	166.75	187.18	5.50	18.90	0.00	57.15	110.43	424.37	382.87	403.62		
13	226.11	19.80	122.58	116.50	8.50	18.00	2.00	55.30	100.30	317.34	412.52	319.95		
14	182.64	12.40	106.38	120.55	10.80	0.00	0.00	53.70	124.60	299.09	439.20	319.95		
15	189.45	18.90	55.30	122.58	0.00	0.00	0.00	53.70	118.53	283.45	433.27	366.87		
16	200.80	23.40	57.15	75.60	0.00	19.80	0.00	48.90	98.28	180.37	430.30	385.83		
17	191.72	33.15	34.38	71.91	0.00	3.00	0.00	98.28	116.50	64.53	442.27	369.48		
18	159.94	62.68	16.40	73.75	2.00	0.00	8.00	58.99	98.28	0.00	406.59	359.05		
19	173.56	64.53	9.00	68.22	0.00	15.60	7.00	64.53	108.40	169.02	385.83	366.87		
20	203.07	10.00	7.00	68.22	0.50	20.70	7.00	68.22	104.35	233.93	409.55	322.55		
21	200.80	0.00	5.00	50.50	1.50	3.50	7.00	60.84	108.40	196.26	400.66	265.21		
22	171.29	0.00	18.00	11.60	0.00	3.00	8.00	53.70	110.43	2.50	427.34	280.85		
23	182.64	0.00	44.10	0.00	0.00	3.00	1.50	60.84	92.20	231.32	457.62	244.35		
24	162.21	0.00	53.70	0.00	0.00	4.50	5.50	52.10	126.63	424.37	463.76	259.99		
25	159.94	0.00	58.99	0.00	0.00	10.80	0.00	57.15	106.38	391.76	457.62	259.99		
26	164.48	0.00	47.30	0.00	0.00	4.50	0.50	48.90	153.13	406.59	403.62	317.34		
27	102.33	0.00	66.37	0.00	0.00	7.50	4.50	55.30	216.69	442.27	400.66	233.93		
28	92.20	0.00	60.84	0.00	0.00	2.50	6.00	112.45	330.37	424.37	418.45	314.73		
29	122.58	0.00	157.67	13.20	0.00	3.00	25.20	110.43	361.66	406.59		262.60		
30	114.48	0.00	203.07	14.00	86.67	0.00	34.38	108.40	424.37	406.59		252.17		
31		0.00		10.80	205.34		26.10		418.45	385.83		226.11		
Total	4450.70	1336.69	2567.01	3407.90	556.12	1878.96	142.68	1815.18	4427.67	8774.59	11703.88	10567.04	51628.42	CMSDAY
Mean	148.36	43.12	85.57	109.93	17.94	62.63	4.60	60.51	142.83	283.05	418.00	340.87	141.45	CMS
Max	226.11	141.78	233.93	275.63	205.34	304.31	34.38	112.45	424.37	442.27	463.76	424.37	463.76	CMS
Min	88.51	0.00	0.00	0.00	0.00	0.00	0.00	31.92	58.99	0.00	382.87	226.11	0.00	CMS
Runoff	384.54	115.49	221.79	294.44	48.05	162.34	12.33	156.83	382.55	758.12	1011.22	912.99	4460.70	MCM
Momentary Peak	CMS. at 1004.40 m. (MSL.) at 21.00 Hours , on Mar 29, 2022													
Runoff Yield	5.42	Liters/Second/Square KM.			Momentary Peak Yield			38.46	Liters/Second/Square KM.					

WATER YEAR : 2022

PING RIVER BASIN

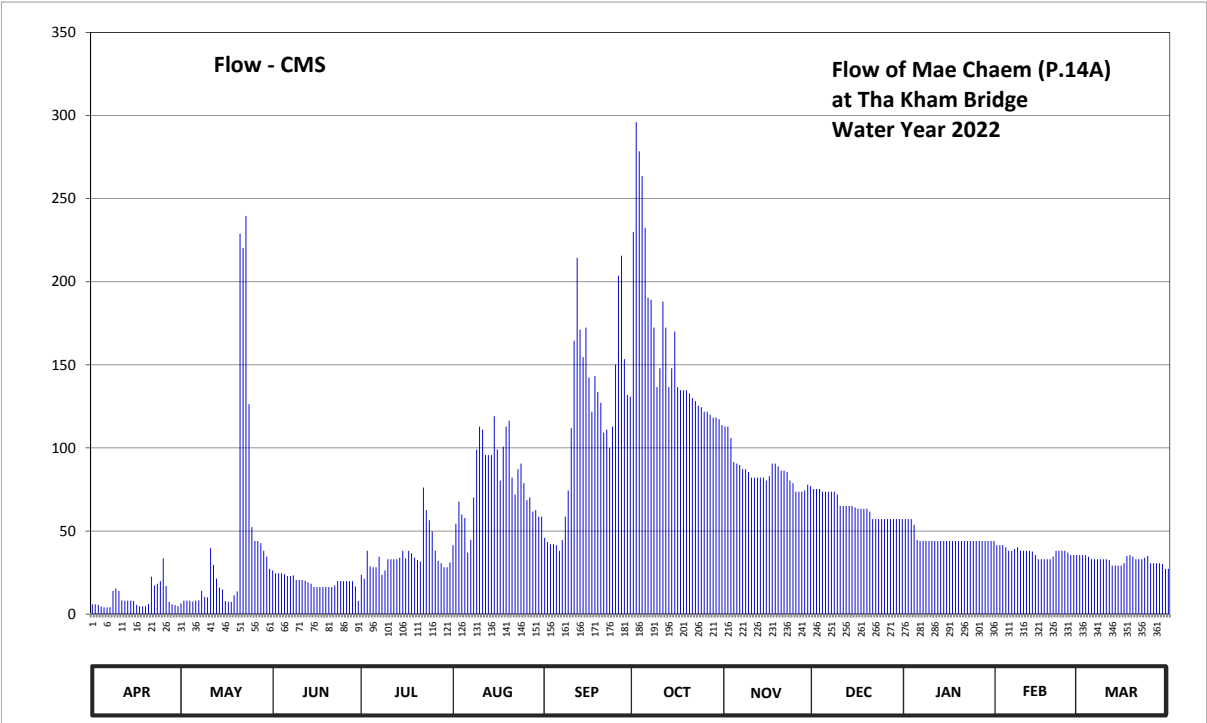
Nam Mae Chaem at Tha Kham Bridge , Chiang Mai (P.14A)

Lat 18 - 12 - 08 N Long 98 - 36 - 52 E

Location : on right bank near the bridge of Hot - Mae Sariang Highway at guidepost 7+500.

	Ban	-	Amphoe	Chom Thong	Changwat	Chiang Mai
Drainge Area	3,880	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+261.863 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	about 10 meters in front of automatic gage building.				Elevation	+267.972 m. (MSL.)
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	1955 - 1960 , 1967 to date					
Rated by Float	-					
Rated by Current Meter	1955 - 1960 , 1967 to date					
Stability of Channel Regimes	Fairly stable by some silting.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. The concrete weir situated about 6 kilometers downstream from the gage site. Stage-discharge relation defined by 28 discharge measurements made in 2022.					

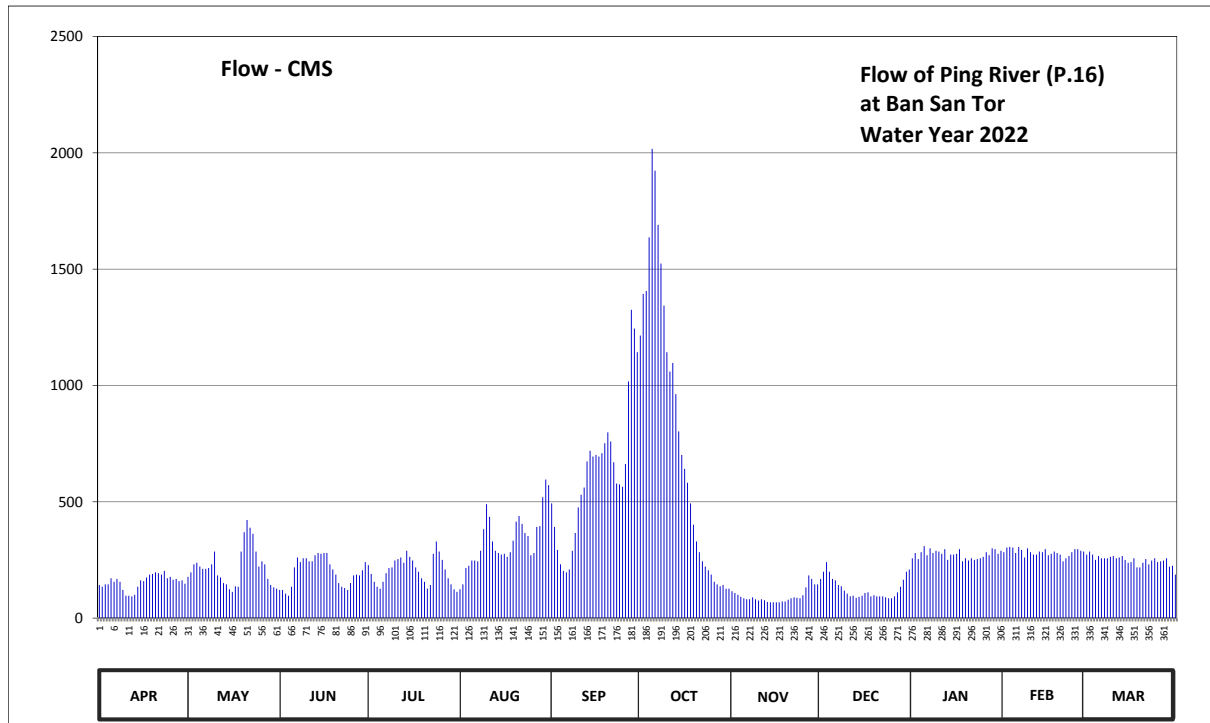
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	260.76	260.79	261.42	261.36	261.72	261.79	263.70	262.62	262.18	261.96	261.72	261.61	
2	260.76	260.86	261.38	261.30	261.92	261.75	264.20	262.62	262.18	261.96	261.72	261.61	
3	260.75	260.86	261.38	261.66	262.09	261.73	264.07	262.54	262.18	261.96	261.72	261.61	
4	260.70	260.86	261.38	261.47	262.00	261.73	263.96	262.37	262.16	261.91	261.70	261.59	
5	260.67	260.84	261.37	261.46	261.97	261.72	263.72	262.36	262.16	261.77	261.66	261.56	
6	260.67	260.86	261.34	261.46	261.64	261.66	263.37	262.35	262.16	261.76	261.66	261.56	
7	260.68	260.87	261.34	261.59	261.77	261.77	263.36	262.32	262.16	261.76	261.68	261.56	
8	261.08	261.08	261.35	261.36	262.12	261.98	263.22	262.32	262.16	261.76	261.70	261.56	
9	261.13	260.95	261.28	261.42	262.46	262.17	262.88	262.30	262.14	261.76	261.66	261.56	
10	261.08	260.94	261.28	261.56	262.62	262.61	263.00	262.26	262.06	261.76	261.66	261.56	
11	260.87	261.69	261.28	261.56	262.60	263.15	263.35	262.26	262.06	261.76	261.66	261.55	
12	260.86	261.49	261.27	261.56	262.42	263.57	263.22	262.26	262.06	261.76	261.66	261.48	
13	260.86	261.30	261.24	261.56	262.42	263.21	262.88	262.26	262.06	261.76	261.65	261.48	
14	260.86	261.15	261.22	261.58	262.42	263.06	263.00	262.26	262.06	261.76	261.61	261.48	
15	260.85	261.11	261.16	261.66	262.69	263.22	263.20	262.24	262.05	261.76	261.56	261.48	
16	260.75	260.85	261.16	261.57	262.46	262.94	262.88	262.27	262.04	261.76	261.56	261.51	
17	260.71	260.83	261.16	261.66	262.24	262.72	262.86	262.36	262.04	261.76	261.56	261.60	
18	260.71	260.83	261.16	261.63	262.48	262.95	262.86	262.36	262.04	261.76	261.56	261.61	
19	260.71	260.99	261.16	261.58	262.62	262.85	262.86	262.34	262.04	261.76	261.56	261.59	
20	260.77	261.07	261.16	261.55	262.66	262.78	262.84	262.31	262.02	261.76	261.59	261.56	
21	261.33	263.69	261.16	261.53	262.26	262.58	262.81	262.31	261.96	261.76	261.66	261.56	
22	261.19	263.62	261.19	262.19	262.14	262.60	262.79	262.30	261.96	261.76	261.66	261.56	
23	261.22	263.78	261.26	262.03	262.32	262.47	262.76	262.24	261.96	261.76	261.66	261.58	
24	261.26	262.77	261.26	261.95	262.36	262.62	262.75	262.22	261.96	261.76	261.66	261.60	
25	261.57	261.89	261.26	261.85	262.22	263.02	262.72	262.16	261.96	261.76	261.64	261.51	
26	261.18	261.76	261.26	261.66	262.10	263.48	262.72	262.16	261.96	261.76	261.61	261.51	
27	260.83	261.76	261.26	261.54	262.12	263.58	262.70	262.16	261.96	261.76	261.61	261.51	
28	260.76	261.74	261.26	261.51	262.02	263.05	262.68	262.17	261.96	261.76	261.61	261.51	
29	260.74	261.66	261.17	261.46	262.03	262.83	262.68	262.21	261.96	261.76		261.50	
30	260.71	261.59	260.85	261.46	261.98	262.82	262.67	262.20	261.96	261.76		261.44	
31		261.44		261.52	261.98		262.63		261.96	261.76		261.44	
Mean	260.90	261.48	261.25	261.59	262.22	262.61	263.08	262.30	262.05	261.78	261.64	261.54	
Max	261.57	263.78	261.42	262.19	262.69	263.58	264.20	262.62	262.18	261.96	261.72	261.61	264.20
Min	260.67	260.79	260.85	261.30	261.64	261.66	262.63	262.16	261.96	261.76	261.56	261.44	260.67
Annual Max Momentary Gage Height	265.11		m. (MSL.) ,		at 12.00 Hours , on May 21, 2022								
Zero Gage at Bottom Elevation	261.86		m. (MSL.) ,		River Bed	260.06	m. (MSL)						
Left Bank Elevation	268.22		m. (MSL.) ,										
Right Bank Elevation	268.33		m. (MSL.) ,		Drainage Are	3,880	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	5.82	6.48	26.26	23.70	41.46	45.87	230.00	112.80	75.30	57.20	41.46	35.52		
2	5.82	8.08	24.50	21.30	54.40	43.35	296.00	112.80	75.30	57.20	41.46	35.52		
3	5.60	8.08	24.50	38.12	67.65	42.09	278.45	105.90	75.30	57.20	41.46	35.52		
4	4.50	8.08	24.50	28.66	60.00	42.09	263.60	91.45	73.60	53.70	40.20	34.51		
5	3.99	7.62	24.10	28.18	57.90	41.46	232.40	90.60	73.60	44.61	38.12	33.04		
6	3.99	8.08	22.90	28.18	37.08	38.12	190.40	89.75	73.60	43.98	38.12	33.04		
7	4.16	8.31	22.90	34.51	44.61	44.61	189.20	87.20	73.60	43.98	39.16	33.04		
8	13.94	13.94	23.30	23.70	70.20	58.60	172.40	87.20	73.60	43.98	40.20	33.04		
9	15.40	10.35	20.54	26.26	99.10	74.45	136.60	85.50	71.90	43.98	38.12	33.04		
10	13.94	10.08	20.54	33.04	112.80	111.90	148.00	82.10	65.10	43.98	38.12	33.04		
11	8.31	39.68	20.54	33.04	111.00	164.50	188.00	82.10	65.10	43.98	38.12	32.55		
12	8.08	29.62	20.16	33.04	95.70	214.40	172.40	82.10	65.10	43.98	38.12	29.14		
13	8.08	21.30	19.02	33.04	95.70	171.20	136.60	82.10	65.10	43.98	37.60	29.14		
14	8.08	16.00	18.26	34.02	95.70	154.60	148.00	82.10	65.10	43.98	35.52	29.14		
15	7.85	14.80	16.30	38.12	119.10	172.40	170.00	80.40	64.25	43.98	33.04	29.14		
16	5.60	7.85	16.30	33.53	99.10	142.30	136.60	82.95	63.40	43.98	33.04	30.59		
17	4.72	7.39	16.30	38.12	80.40	121.80	134.70	90.60	63.40	43.98	33.04	35.00		
18	4.72	7.39	16.30	36.56	100.80	143.25	134.70	90.60	63.40	43.98	33.04	35.52		
19	4.72	11.43	16.30	34.02	112.80	133.75	134.70	88.90	63.40	43.98	33.04	34.51		
20	6.04	13.66	16.30	32.55	116.40	127.20	132.80	86.35	61.70	43.98	34.51	33.04		
21	22.50	228.80	16.30	31.57	82.10	109.30	129.95	86.35	57.20	43.98	38.12	33.04		
22	17.20	220.40	17.20	76.15	71.90	111.00	128.10	85.50	57.20	43.98	38.12	33.04		
23	18.26	239.60	19.78	62.55	87.20	99.95	125.40	80.40	57.20	43.98	38.12	34.02		
24	19.78	126.30	19.78	56.50	90.60	112.80	124.50	78.70	57.20	43.98	38.12	35.00		
25	33.53	52.35	19.78	49.75	78.70	150.20	121.80	73.60	57.20	43.98	37.08	30.59		
26	16.90	43.98	19.78	38.12	68.50	203.60	121.80	73.60	57.20	43.98	35.52	30.59		
27	7.39	43.98	19.78	32.06	70.20	215.60	120.00	73.60	57.20	43.98	35.52	30.59		
28	5.82	42.72	19.78	30.59	61.70	153.50	118.20	74.45	57.20	43.98	35.52	30.59		
29	5.38	38.12	16.60	28.18	62.55	131.85	118.20	77.85	57.20	43.98		30.10		
30	4.72	34.51	7.85	28.18	58.60	130.90	117.30	77.00	57.20	43.98		27.22		
31		27.22		31.08	58.60		113.70		57.20	43.98		27.22		
Total	294.84	1356.20	586.45	1096.42	2462.55	3506.64	4964.50	2574.55	2000.05	1413.39	1041.61	999.08	22296.28	CMSDAY
Mean	9.83	43.75	19.55	35.37	79.44	116.89	160.15	85.82	64.52	45.59	37.20	32.23	61.09	CMS
Max	33.53	239.60	26.26	76.15	119.10	215.60	296.00	112.80	75.30	57.20	41.46	35.52	296.00	CMS
Min	3.99	6.48	7.85	21.30	37.08	38.12	113.70	73.60	57.20	43.98	33.04	27.22	3.99	CMS
Runoff	25.47	117.18	50.67	94.73	212.76	302.97	428.93	222.44	172.80	122.12	90.00	86.32	1926.40	MCM
Momentary Peak	428.50 15.74 CMS. at 265.11 m. (MSL.) on May 21, 2022 110.44													

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	166.06	203.30	147.49	245.00	108.26	533.18	1221.20	87.96	253.34	368.82	356.44	356.44	
2	174.04	228.32	150.10	217.20	147.49	410.54	1332.91	75.66	304.20	365.73	375.01	384.46	
3	182.02	267.96	87.96	184.68	270.98	319.30	1353.59	73.20	337.87	371.92	394.24	322.40	
4	187.34	277.02	90.42	152.76	242.22	250.56	1702.99	70.74	274.00	390.98	365.73	350.25	
5	192.66	250.56	208.86	147.49	283.06	236.66	1982.30	70.74	239.44	404.02	371.92	328.59	
6	168.72	247.78	322.40	225.54	258.90	225.54	1783.37	70.74	231.10	387.72	400.76	347.16	
7	187.34	242.22	344.06	264.94	270.98	267.96	1571.00	68.28	197.98	410.54	344.06	328.59	
8	142.26	233.88	325.49	289.10	337.87	378.11	1410.46	68.28	195.32	394.24	359.54	331.68	
9	83.04	304.20	347.16	310.24	470.59	430.10	1221.20	68.28	152.76	410.54	381.20	350.25	
10	78.12	264.94	337.87	334.78	550.85	550.85	1049.45	68.28	121.34	353.35	353.35	344.06	
11	78.12	206.08	313.26	347.16	433.36	557.92	1029.20	68.28	118.72	378.11	353.35	331.68	
12	80.58	197.98	319.30	325.49	334.78	626.85	1057.59	68.28	116.11	325.49	356.44	353.35	
13	123.95	171.38	347.16	310.24	307.22	744.11	896.98	68.28	108.26	340.97	378.11	334.78	
14	187.34	166.06	328.59	328.59	298.16	747.97	771.10	68.28	129.18	340.97	368.82	313.26	
15	214.42	129.18	313.26	274.00	301.18	721.14	690.62	68.28	134.41	340.97	365.73	310.24	
16	225.54	118.72	325.49	258.90	304.20	728.77	634.24	65.82	152.76	368.82	350.25	331.68	
17	242.22	142.26	289.10	222.76	289.10	713.51	572.06	65.82	152.76	337.87	368.82	310.24	
18	256.12	214.42	239.44	192.66	325.49	740.26	477.50	85.50	121.34	322.40	359.54	280.04	
19	258.90	420.32	222.76	163.40	397.50	782.66	394.24	100.42	134.41	325.49	356.44	283.06	
20	264.94	470.59	176.70	152.76	484.41	817.48	331.68	100.42	118.72	325.49	353.35	319.30	
21	253.34	477.50	126.57	123.95	484.41	751.82	280.04	108.26	126.57	325.49	322.40	298.16	
22	267.96	417.06	108.26	190.00	436.62	652.71	236.66	110.88	118.72	316.28	334.78	289.10	
23	253.34	390.98	92.88	371.92	404.02	579.13	214.42	110.88	113.49	337.87	365.73	295.14	
24	239.44	286.08	105.65	347.16	365.73	597.29	203.30	110.88	113.49	316.28	353.35	289.10	
25	225.54	247.78	174.04	307.22	280.04	568.53	171.38	142.26	113.49	340.97	400.76	277.02	
26	208.86	292.12	203.30	250.56	390.98	744.11	137.03	206.08	129.18	359.54	368.82	280.04	
27	208.86	253.34	211.64	200.64	460.22	1127.21	121.34	274.00	129.18	362.63	394.24	301.18	
28	203.30	208.86	192.66	155.42	467.								



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	142.43	177.61	121.03	227.84	123.70	492.75	1214.42	115.68	168.26	257.04	283.00	273.27		
2	134.40	196.30	121.03	190.07	145.10	391.94	1392.82	107.65	199.41	279.76	302.89	286.32		
3	145.10	231.08	104.98	155.80	214.99	292.95	1406.38	100.16	240.82	253.80	306.21	273.27		
4	145.10	237.57	95.88	134.40	224.59	231.08	1636.30	91.60	199.41	283.00	302.89	250.55		
5	171.38	221.35	134.40	126.38	247.31	202.53	2016.67	85.18	168.26	309.52	279.76	266.78		
6	155.80	211.87	218.10	155.80	247.31	196.30	1923.24	80.90	162.03	270.02	306.21	257.04		
7	168.26	211.87	260.29	193.18	244.06	208.76	1690.20	80.90	142.43	299.58	292.95	257.04		
8	155.80	214.99	240.82	214.99	289.63	289.63	1523.68	89.46	137.08	279.76	260.29	257.04		
9	121.03	231.08	257.04	218.10	382.10	365.70	1343.10	80.90	118.35	289.63	299.58	263.53		
10	95.88	286.32	257.04	247.31	489.33	475.74	1142.75	75.32	104.98	286.32	283.00	266.78		
11	95.88	183.84	244.06	253.80	435.18	530.31	1059.92	80.90	93.74	276.51	273.27	257.04		
12	93.74	174.49	244.06	260.29	329.41	561.18	1097.04	77.18	95.88	296.26	273.27	260.29		
13	100.16	150.45	270.02	237.57	289.63	673.10	963.00	69.74	87.32	250.55	286.32	266.78		
14	134.40	145.10	279.76	289.63	279.76	719.44	802.17	67.88	91.60	273.27	283.00	250.55		
15	162.03	123.70	276.51	263.53	273.27	694.38	701.54	67.88	95.88	273.27	296.26	237.57		
16	158.92	113.00	279.76	247.31	276.51	701.54	641.24	67.88	107.65	276.51	270.02	240.82		
17	174.49	137.08	279.76	218.10	263.53	694.38	581.94	67.88	110.33	296.26	276.51	257.04		
18	186.95	134.40	231.08	199.41	283.00	708.70	492.75	71.60	93.74	244.06	286.32	218.10		
19	190.07	286.32	208.76	171.38	332.73	751.66	401.78	71.60	98.02	257.04	279.76	218.10		
20	196.30	368.98	186.95	155.80	414.90	798.55	329.41	79.04	93.74	247.31	273.27	237.57		
21	193.18	421.66	150.45	126.38	438.56	758.82	283.00	85.18	93.74	257.04	244.06	253.80		
22	186.95	388.66	134.40	142.43	405.06	669.56	244.06	89.46	93.74	250.55	257.04	231.08		
23	202.53	362.42	129.05	276.51	365.70	578.48	221.35	87.32	89.46	253.80	266.78	247.31		
24	171.38	286.32	121.03	329.41	352.58	575.02	205.64	85.18	85.18	257.04	283.00	257.04		
25	177.61	221.35	150.45	286.32	270.02	564.64	186.95	98.02	85.18	263.53	296.26	240.82		
26	165.15	244.06	183.84	250.55	279.76	662.48	155.80	131.73	93.74	283.00	296.26	244.06		
27	168.26	231.08	186.95	208.76	391.94	1017.18	145.10	183.84	110.33	270.02	289.63	247.31		
28	158.92	168.26	183.84	171.38	395.22	1325.02	137.08	168.26	134.40	299.58	286.32	257.04		
29	162.03	142.43	205.64	145.10	520.07	1244.68	142.43	145.10	165.15	296.26		221.35		
30	147.78	131.73	240.82	123.70	595.78	1142.75	126.38	145.10	199.41	276.51		224.59		
31		126.38		113.00	571.56		126.38		208.76	289.63		186.95		
Total	4661.91	6761.75	5997.80	6334.23	10372.29	18519.25	24334.52	2848.52	3968.02	8496.43	7934.13	7706.83	107935.68	CMSDAY
Mean	155.40	218.12	199.93	204.33	334.59	617.31	784.98	94.95	128.00	274.08	283.36	248.61	295.71	CMS
Max	202.53	421.66	279.76	329.41	595.78	1325.02	2016.67	183.84	240.82	309.52	306.21	286.32	2016.67	CMS
Min	93.74	113.00	95.88	113.00	123.70	196.30	126.38	67.88	85.18	244.06	244.06	186.95	67.88	CMS
Runoff	402.79	584.22	518.21	547.28	896.17	1600.06	2102.50	246.11	342.84	734.09	685.51	665.87	9325.64	MCM
Momentary Peak	2092.85	CMS. at 45.90 m. (MSL.) at 18.00 Hours , on Oct 5, 2022												
Runoff Yield	6.63	Liters/Second/Square KM.				Momentary Peak Yield				46.90	Liters/Second/Square KM.			

WATER YEAR : 2022**PING RIVER BASIN****Ping River at Ban Tha Ngiu, Nakhon Sawan (P.17)**

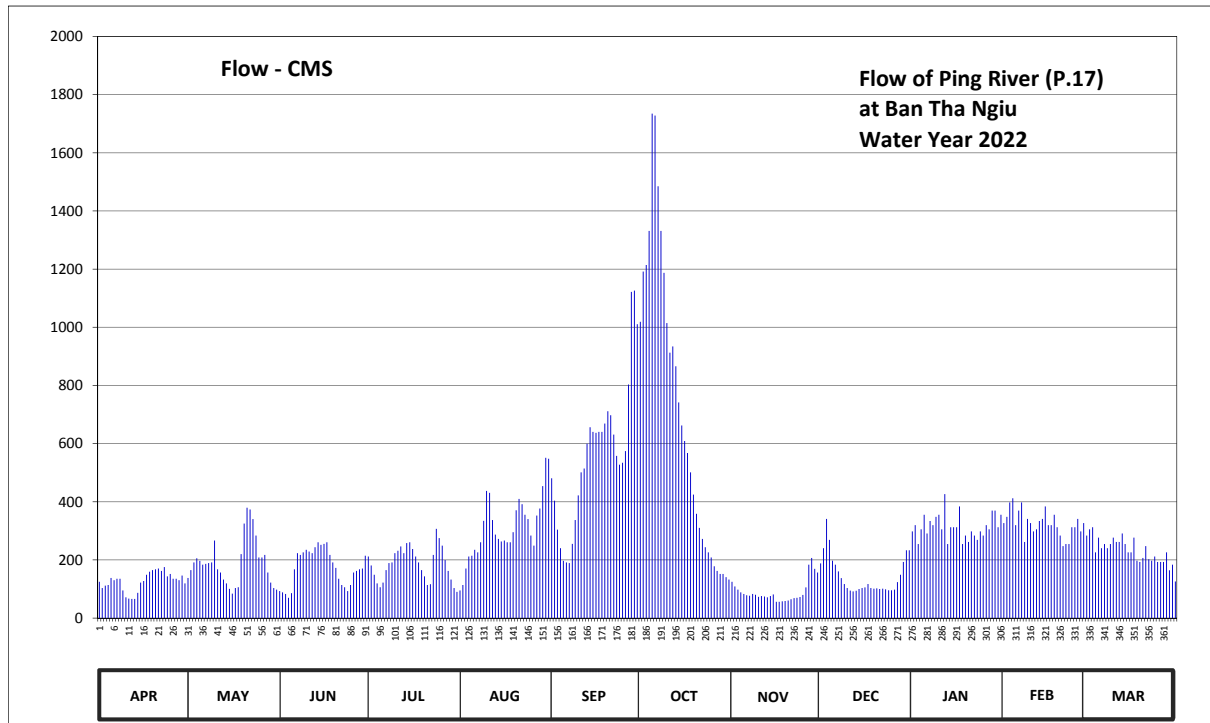
Lat 16 - 03 - 53 N Long 99 - 51 - 37 E

Location : on right bank at Som Sieo Market

	Ban	Tha Ngiu	Amphoe	Banphot Phisai	Changwat	Nakhon Sawan
Drainage Area	44,949	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 5.00 meters from the top staff gage				Elevation	+37.900 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1954 to date					
Rating Operation						
Period of Rating	1960, 1967 - 1974, 1990 to date					
Rated by Float	-					
Rated by Current Meter	1954 - 1979, 1990 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +38.720 m.(MSL.), records are channel flow only.					
General Description	Records good. Flow effected by Phumiphol Dam.					
	Stage-discharge relation defined by 30 discharge measurements made in 2022.					

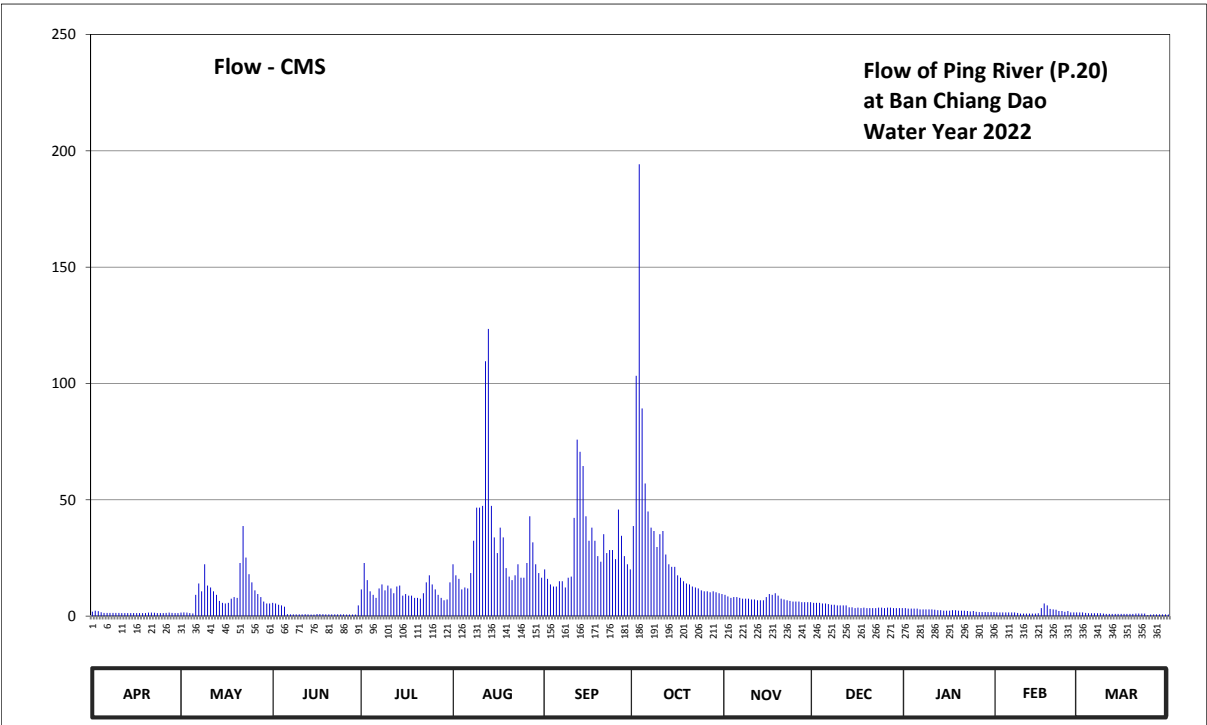
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	34.53	34.58	34.41	34.85	34.42	35.74	37.31	34.53	35.45	35.62	35.66	35.60	
2	34.45	34.68	34.39	34.74	34.49	35.50	37.72	34.47	35.54	35.65	35.69	35.63	
3	34.48	34.78	34.35	34.62	34.70	35.17	37.77	34.43	35.68	35.56	35.73	35.64	
4	34.49	34.83	34.26	34.51	34.85	34.95	38.03	34.39	35.58	35.63	35.74	35.52	
5	34.58	34.80	34.37	34.46	34.86	34.80	38.75	34.35	35.47	35.70	35.65	35.59	
6	34.55	34.75	34.69	34.52	34.93	34.78	38.74	34.32	35.44	35.61	35.71	35.54	
7	34.57	34.76	34.89	34.68	34.90	34.77	38.34	34.31	35.39	35.67	35.73	35.56	
8	34.57	34.77	34.87	34.77	35.02	35.00	38.03	34.35	35.33	35.65	35.57	35.54	
9	34.42	34.78	34.90	34.78	35.27	35.28	37.71	34.33	35.26	35.69	35.68	35.56	
10	34.27	35.04	34.93	34.89	35.61	35.56	37.30	34.28	35.20	35.70	35.66	35.59	
11	34.24	34.69	34.91	34.92	35.59	35.80	37.03	34.30	35.12	35.63	35.62	35.57	
12	34.23	34.65	34.89	34.97	35.28	35.84	37.09	34.29	35.09	35.75	35.63	35.57	
13	34.23	34.56	34.96	34.89	35.11	36.10	36.90	34.27	35.11	35.56	35.67	35.61	
14	34.38	34.51	35.02	35.01	35.06	36.28	36.54	34.30	35.17	35.64	35.68	35.56	
15	34.52	34.44	34.99	35.02	35.03	36.23	36.30	34.34	35.20	35.64	35.72	35.52	
16	34.54	34.36	35.00	34.94	35.04	36.22	36.13	34.40	35.21	35.64	35.65	35.52	
17	34.62	34.45	35.02	34.85	35.02	36.23	36.00	34.40	35.26	35.72	35.65	35.59	
18	34.66	34.46	34.87	34.78	35.02	36.23	35.80	34.45	35.20	35.56	35.70	35.47	
19	34.68	34.88	34.78	34.68	35.14	36.32	35.57	34.48	35.18	35.60	35.64	35.46	
20	34.69	35.24	34.71	34.60	35.39	36.45	35.35	34.52	35.19	35.57	35.60	35.49	
21	34.70	35.42	34.57	34.49	35.52	36.41	35.19	34.62	35.17	35.62	35.55	35.55	
22	34.67	35.40	34.49	34.50	35.46	36.20	35.06	34.70	35.18	35.60	35.56	35.48	
23	34.72	35.29	34.46	34.87	35.34	35.97	34.96	34.73	35.16	35.58	35.56	35.47	
24	34.60	35.10	34.41	35.18	35.29	35.88	34.90	34.79	35.13	35.62	35.64	35.50	
25	34.63	34.84	34.49	35.07	35.10	35.90	34.84	34.93	35.13	35.60	35.64	35.46	
26	34.57	34.84	34.65	34.98	34.98	36.02	34.73	35.21	35.15	35.65	35.68	35.46	
27	34.57	34.87	34.67	34.81	35.33	36.72	34.67	35.44	35.29	35.63	35.62	35.46	
28	34.55	34.65	34.69	34.67	35.41	37.56	34.63	35.49	35.36	35.71	35.66	35.52	
29	34.61	34.52	34.70	34.56	35.66	37.57	34.63	35.41	35.46	35.71		35.40	
30	34.51	34.45	34.86	34.45	35.95	37.29	34.59	35.38	35.53	35.64		35.44	
31		34.43		34.40	35.94		34.56		35.53	35.70		35.30	
Mean	34.53	34.77	34.71	34.76	35.18	35.96	36.30	34.61	35.30	35.64	35.65	35.52	
Max	34.72	35.42	35.02	35.18	35.95	37.57	38.75	35.49	35.68	35.75	35.74	35.64	38.75
Min	34.23	34.36	34.26	34.40	34.42	34.77	34.56	34.27	35.09	35.56	35.55	35.30	34.23
Annual Max Momentary Gage Height	38.89		m. (MSL.) ,			at 01.00 Hours ,	on Oct 6, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	30.70	m. (MSL.)					
Left Bank Elevation		38.71	m. (MSL.) ,										
Right Bank Elevation		38.87	m. (MSL.) ,			Drainage Are	44,949	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	124.78	138.15	92.68	211.50	95.35	480.80	1018.56	124.78	188.19	297.99	326.77	283.61		
2	103.38	164.90	88.58	180.95	114.08	403.75	1191.67	108.73	240.44	319.57	348.35	305.19		
3	111.40	191.65	82.88	148.85	170.25	304.30	1213.94	98.03	341.15	254.83	397.94	312.38		
4	114.08	205.70	70.05	119.43	211.50	240.50	1331.25	88.58	269.22	305.19	412.07	226.06		
5	138.15	197.00	85.73	106.05	214.40	197.00	1734.30	82.88	197.58	355.54	319.57	276.41		
6	130.13	183.63	167.58	122.10	234.70	191.65	1728.03	78.60	183.49	290.80	369.67	240.44		
7	135.48	186.30	223.10	164.90	226.00	188.98	1484.95	77.18	160.85	333.96	397.94	254.83		
8	135.48	188.98	217.30	188.98	260.80	255.00	1331.25	82.88	137.74	319.57	262.02	240.44		
9	95.35	191.65	226.00	191.65	334.18	337.20	1187.22	80.03	116.96	348.35	341.15	254.83		
10	71.48	266.60	234.70	223.10	437.34	421.90	1014.43	72.90	103.12	355.54	326.77	276.41		
11	67.20	167.58	228.90	231.80	430.98	500.86	912.38	75.75	94.80	305.19	297.99	262.02		
12	65.78	156.88	223.10	246.30	337.20	514.23	933.83	74.33	91.84	426.20	305.19	262.02		
13	65.78	132.80	243.40	223.10	286.90	599.34	865.89	71.48	93.76	254.83	333.96	290.80		
14	87.15	119.43	260.80	257.90	272.40	656.26	741.78	75.75	100.00	312.38	341.15	254.83		
15	122.10	100.70	252.10	260.80	263.70	640.45	662.58	81.45	103.12	312.38	383.80	226.06		
16	127.45	84.30	255.00	237.60	266.60	637.28	608.83	55.98	105.43	312.38	319.57	226.06		
17	148.85	103.38	260.80	211.50	260.80	640.45	567.72	55.98	116.96	383.80	319.57	276.41		
18	159.55	106.05	217.30	191.65	260.80	640.45	500.86	57.88	103.12	254.83	355.54	197.58		
19	164.90	220.20	191.65	164.90	295.60	668.90	424.93	59.02	101.04	283.61	312.38	192.88		
20	167.58	325.10	172.93	143.50	370.48	711.19	358.38	60.67	102.08	262.02	283.61	206.97		
21	170.25	379.55	135.48	114.08	409.80	697.60	310.10	65.14	100.00	297.99	247.64	247.64		
22	162.23	373.50	114.08	116.75	391.65	630.96	272.40	68.80	101.04	283.61	254.83	202.28		
23	175.60	340.23	106.05	217.30	355.35	557.69	243.40	70.09	98.96	269.22	254.83	197.58		
24	143.50	284.00	92.68	307.20	340.23	527.60	226.00	72.67	95.84	297.99	312.38	211.67		
25	151.53	208.60	114.08	275.30	284.00	534.29	208.60	80.00	95.84	283.61	312.38	192.88		
26	135.48	208.60	156.88	249.20	249.20	574.04	178.28	105.43	97.92	319.57	341.15	192.88		
27	135.48	217.30	162.23	199.90	352.33	802.94	162.23	183.49	123.88	305.19	297.99	192.88		
28	130.13	156.88	167.58	162.23	376.53	1121.72	151.53	206.97	149.30	369.67	326.77	226.06		
29	146.18	122.10	170.25	132.80	454.06	1125.84	151.53	169.40	192.88	369.67		164.70		
30	119.43	103.38	214.40	103.38	551.01	1010.31	140.83	157.00	233.25	312.38		183.49		
31		98.03		90.00	547.66		132.80		233.25	355.54		126.19		
Total	3805.86	5923.15	5228.29	5794.70	9655.88	16813.48	21990.48	2741.87	4473.05	9753.40	9102.98	7204.48	102487.62	CMSDAY
Mean	126.86	191.07	174.28	186.93	311.48	560.45	709.37	91.40	144.29	314.63	325.11	232.40	280.79	CMS
Max	175.60	379.55	260.80	307.20	551.01	1125.84	1734.30	206.97	341.15	426.20	412.07	312.38	1734.30	CMS
Min	65.78	84.30	70.05	90.00	95.35	188.98	132.80	55.98	91.84	254.83	247.64	126.19	55.98	CMS
Runoff	328.83	511.76	451.72	500.66	834.27	1452.68	1899.98	236.90	386.47	842.69	786.50	622.47	8854.93	MCM
Momentary Peak	1819.79	CMS. at 38.89 m. (MSL.)	at 01.00 Hours , on Oct 6, 2022											
Runoff Yield	6.25	Liters/Second/Square KM.	Momentary Peak Yield					40.49	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.95	1.52	5.69	11.48	22.30	20.10	38.70	9.14	5.69	3.44	1.55	1.55	
2	2.30	1.56	5.42	22.85	17.50	16.00	103.25	8.48	5.69	3.26	1.55	1.55	
3	2.10	1.52	4.88	15.50	16.00	13.58	194.20	7.82	5.69	3.26	1.55	1.40	
4	1.64	1.28	4.61	10.64	11.48	12.74	89.23	8.15	5.42	3.26	1.55	1.25	
5	1.40	1.19	4.07	9.14	12.32	12.74	57.00	8.15	5.42	3.26	1.55	1.25	
6	1.34	9.14	0.80	7.82	11.90	15.00	45.00	7.82	5.15	2.90	1.55	1.25	
7	1.40	14.00	0.77	11.90	18.50	15.00	38.00	7.49	4.88	2.90	1.55	1.25	
8	1.37	10.64	0.74	13.58	32.40	12.32	36.60	7.49	4.88	2.90	1.40	1.25	
9	1.37	22.30	0.77	11.06	46.60	16.50	29.70	7.49	4.61	2.90	1.10	1.10	
10	1.34	13.16	0.74	13.16	46.60	17.00	35.20	7.16	4.61	2.90	1.10	0.95	
11	1.31	12.32	0.77	11.90	47.40	42.20	36.60	7.16	4.61	2.72	1.10	0.95	
12	1.31	10.64	0.80	9.80	109.55	75.87	26.45	6.83	4.61	2.54	1.10	0.95	
13	1.31	9.14	0.77	12.74	123.40	70.62	22.30	6.83	3.80	2.54	1.10	0.95	
14	1.28	6.50	0.71	13.16	47.40	64.50	21.20	6.83	3.80	2.36	1.10	0.95	
15	1.28	5.69	0.71	8.81	33.80	42.90	21.20	8.15	3.44	2.36	1.25	0.95	
16	1.31	5.42	0.86	9.47	27.10	32.40	17.50	9.47	3.62	2.36	3.44	0.95	
17	1.31	5.69	0.86	8.81	38.00	38.00	16.50	9.14	3.44	2.54	5.42	0.95	
18	1.28	7.49	0.80	8.81	33.80	32.40	15.00	9.80	3.62	2.54	4.61	0.95	
19	1.31	8.15	0.74	7.82	20.65	25.80	14.00	8.81	3.44	2.36	3.08	0.95	
20	1.48	7.82	0.74	7.82	17.00	23.40	13.58	7.49	3.44	2.36	2.90	1.10	
21	1.52	22.85	0.74	7.49	15.50	35.20	12.74	7.16	3.44	2.36	2.72	1.10	
22	1.44	38.70	0.74	9.80	17.50	27.10	12.32	6.83	3.44	2.18	2.18	1.10	
23	1.31	25.15	0.74	14.50	22.30	28.40	11.90	6.50	3.62	2.00	2.18	1.10	
24	1.28	18.00	0.74	17.50	16.50	28.40	11.06	6.23	3.62	2.18	1.85	0.38	
25	1.31	14.50	0.74	13.58	16.50	24.50	10.64	6.23	3.44	1.85	2.18	0.71	
26	1.40	11.06	0.68	11.48	22.85	45.80	10.64	6.23	3.62	1.70	1.55	0.74	
27	1.52	9.47	0.68	9.14	42.90	34.50	10.22	5.96	3.62	1.70	1.55	0.74	
28	1.37	8.15	0.71	7.82	31.70	25.80	10.64	5.96	3.44	1.70	1.55	0.77	
29	1.31	6.23	0.68	6.83	22.30	22.30	10.22	5.96	3.44	1.70		0.74	
30	1.28	5.42	4.61	7.16	18.50	20.10	9.80	5.96	3.44	1.70		0.74	
31		5.42		14.50	16.50		9.47		3.44	1.70		0.71	
Total	43.13	320.12	47.31	346.07	976.75	891.17	990.86	222.72	128.42	76.43	55.31	31.28	4129.57 CMSDAY
Mean	1.44	10.33	1.58	11.16	31.51	29.71	31.96	7.42	4.14	2.47	1.98	1.01	11.31 CMS
Max	2.30	38.70	5.69	22.85	123.40	75.87	194.20	9.80	5.69	3.44	5.42	1.55	194.20 CMS
Min	1.28	1.19	0.68	6.83	11.48	12.32	9.47	5.96	3.44	1.70	1.10	0.38	0.38 CMS
Runoff	3.73	27.66	4.09	29.90	84.39	77.00	85.61	19.24	11.10	6.60	4.78	2.70	356.79 MCM
Momentary Peak	297.10 CMS. at 382.98 m. (MSL.) at 23.00 Hours , on Aug 12, 2022												
Runoff Yield	9.25	Liters/Second/Square KM.			Momentary Peak Yield			242.93 Liters/Second/Square KM.					

WATER YEAR : 2022

PING RIVER BASIN

Nam Mae Rim at Ban Mae Rim Tai , Chiang Mai (P.21)

Lat 18 - 55 - 39 N Long 98 - 56 - 23 E

Location : on left bank about 100 meters downstream from the bridge of Chiang Mai - Fang Highway.

	Ban Mae Rim Tai	Amphoe Mae Rim	Changwat Chiang Mai
Drainge Area	506 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+319.700 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	In the vicinity of gage observer's house.	Elevation	+325.270 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1954 to date		
Rating Operation			
Period of Rating	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 good. Stage-discharge relation defined by 33 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	320.12	320.16	320.72	320.35	320.55	320.83	321.84	320.74	320.57	320.48	320.33	320.43	
2	320.48	320.24	320.64	320.37	321.02	320.75	323.25	320.73	320.76	320.47	320.33	320.42	
3	320.65	320.39	320.49	320.39	321.09	320.68	323.54	320.71	320.63	320.46	320.34	320.42	
4	320.40	320.31	320.40	320.36	320.91	320.77	322.83	320.68	320.58	320.45	320.34	320.38	
5	320.34	320.23	320.38	320.34	320.96	320.69	321.91	320.67	320.54	320.44	320.33	320.40	
6	320.29	320.23	320.40	320.36	321.32	320.75	321.51	320.67	320.50	320.43	320.33	320.40	
7	320.36	320.57	320.42	321.01	321.64	321.16	321.31	320.64	320.54	320.42	320.33	320.41	
8	320.36	320.47	320.38	320.98	321.90	320.94	321.32	320.69	320.58	320.40	320.32	320.41	
9	320.32	320.48	320.31	320.64	322.21	321.59	321.20	320.68	320.52	320.39	320.29	320.41	
10	320.25	320.50	320.29	320.50	321.85	321.86	321.61	320.64	320.51	320.39	320.29	320.40	
11	320.23	321.30	320.28	320.57	321.94	322.32	321.54	320.60	320.51	320.37	320.29	320.39	
12	320.25	321.10	320.29	320.76	321.77	322.63	321.22	320.60	320.50	320.37	320.28	320.36	
13	320.27	320.75	320.31	320.50	321.95	321.76	321.07	320.61	320.49	320.37	320.28	320.40	
14	320.26	320.61	320.31	320.52	321.55	321.67	321.01	320.57	320.53	320.37	320.28	320.45	
15	320.27	320.53	320.31	320.94	321.28	321.34	321.26	320.59	320.55	320.37	320.30	320.45	
16	320.22	320.47	320.37	320.98	321.33	321.17	320.99	320.75	320.62	320.36	320.31	320.44	
17	320.24	320.42	320.36	320.74	321.55	321.02	320.97	320.68	320.55	320.35	320.58	320.44	
18	320.21	320.50	320.37	320.71	321.58	321.14	320.91	320.69	320.58	320.35	320.62	320.48	
19	320.30	320.54	320.35	320.51	321.20	321.09	320.87	320.72	320.66	320.35	320.52	320.57	
20	320.58	320.95	320.33	320.54	321.04	321.04	320.87	320.63	320.62	320.36	320.43	320.56	
21	320.42	322.18	320.31	320.53	321.00	321.31	320.96	320.59	320.45	320.36	320.37	320.52	
22	320.40	322.08	320.32	320.90	321.12	321.15	320.97	320.57	320.45	320.35	320.35	320.48	
23	320.38	321.06	320.30	321.15	321.46	321.15	321.09	320.55	320.51	320.35	320.34	320.47	
24	320.35	320.81	320.31	321.69	321.03	321.70	321.10	320.54	320.43	320.35	320.33	320.44	
25	320.27	320.73	320.30	321.18	321.08	322.03	321.02	320.54	320.48	320.35	320.33	320.43	
26	320.14	320.60	320.30	320.77	321.19	322.37	320.93	320.53	320.48	320.35	320.40	320.42	
27	320.12	320.52	320.31	320.52	321.35	322.55	320.85	320.54	320.45	320.35	320.45	320.40	
28	320.21	320.47	320.32	320.51	321.78	321.59	320.84	320.50	320.48	320.35	320.44	320.41	
29	320.17	320.45	320.32	320.48	321.51	321.18	320.87	320.56	320.47	320.34		320.40	
30	320.14	320.43	320.35	320.54	321.05	321.02	320.78	320.50	320.49	320.33		320.38	
31		320.48		320.53	320.85		320.76		320.48	320.33		320.40	
Mean	320.30	320.66	320.36	320.67	321.36	321.38	321.33	320.62	320.53	320.38	320.36	320.43	
Max	320.65	322.18	320.72	321.69	322.21	322.63	323.54	320.75	320.76	320.48	320.62	320.57	323.54
Min	320.12	320.16	320.28	320.34	320.55	320.68	320.76	320.50	320.43	320.33	320.28	320.36	320.12
Annual Max Momentary Gage Height	323.62	m. (MSL.) ,						at 21.00 Hours , on Oct 3, 2022					
Zero Gage at Bottom Elevation	319.70	m. (MSL.) ,					River Bed 319.50	m. (MSL.)					
Left Bank Elevation	324.93	m. (MSL.) ,											
Right Bank Elevation	324.98	m. (MSL.) ,				Drainage Are	506	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.94	1.22	6.20	2.68	4.50	7.36	21.44	6.40	4.70	3.82	2.51	3.37		
2	3.82	1.80	5.40	2.85	9.64	6.50	47.40	6.30	6.60	3.73	2.51	3.28		
3	5.50	3.02	3.91	3.02	10.48	5.80	53.27	6.10	5.30	3.64	2.59	3.28		
4	3.10	2.34	3.10	2.76	8.32	6.70	39.00	5.80	4.80	3.55	2.59	2.93		
5	2.59	1.73	2.93	2.59	8.92	5.90	22.56	5.70	4.40	3.46	2.51	3.10		
6	2.18	1.73	3.10	2.76	13.48	6.50	16.25	5.70	4.00	3.37	2.51	3.10		
7	2.76	4.70	3.28	9.52	18.24	11.32	13.34	5.40	4.40	3.28	2.51	3.19		
8	2.76	3.73	2.93	9.16	22.40	8.68	13.48	5.90	4.80	3.10	2.42	3.19		
9	2.42	3.82	2.34	5.40	27.68	17.45	11.80	5.80	4.20	3.02	2.18	3.19		
10	1.88	4.00	2.18	4.00	21.60	21.76	17.76	5.40	4.10	3.02	2.18	3.10		
11	1.73	13.20	2.10	4.70	23.04	29.60	16.70	5.00	4.10	2.85	2.18	3.02		
12	1.88	10.60	2.18	6.60	20.32	35.17	12.08	5.00	4.00	2.85	2.10	2.76		
13	2.03	6.50	2.34	4.00	23.20	20.16	10.24	5.10	3.91	2.85	2.10	3.10		
14	1.95	5.10	2.34	4.20	16.85	18.72	9.52	4.70	4.30	2.85	2.10	3.55		
15	2.03	4.30	2.34	8.68	12.92	13.76	12.64	4.90	4.50	2.85	2.25	3.55		
16	1.65	3.73	2.85	9.16	13.62	11.44	9.28	6.50	5.20	2.76	2.34	3.46		
17	1.80	3.28	2.76	6.40	16.85	9.64	9.04	5.80	4.50	2.68	4.80	3.46		
18	1.58	4.00	2.85	6.10	17.30	11.08	8.32	5.90	4.80	2.68	5.20	3.82		
19	2.25	4.40	2.68	4.10	11.80	10.48	7.84	6.20	5.60	2.68	4.20	4.70		
20	4.80	8.80	2.51	4.40	9.88	9.88	7.84	5.30	5.20	2.76	3.37	4.60		
21	3.28	27.15	2.34	4.30	9.40	13.34	8.92	4.90	3.55	2.76	2.85	4.20		
22	3.10	25.40	2.42	8.20	10.84	11.20	9.04	4.70	3.55	2.68	2.68	3.82		
23	2.93	10.12	2.25	11.20	15.50	11.20	10.48	4.50	4.10	2.68	2.59	3.73		
24	2.68	7.12	2.34	19.04	9.76	19.20	10.60	4.40	3.37	2.68	2.51	3.46		
25	2.03	6.30	2.25	11.56	10.36	24.53	9.64	4.40	3.82	2.68	2.51	3.37		
26	1.08	5.00	2.25	6.70	11.68	30.48	8.56	4.30	3.82	2.68	3.10	3.28		
27	0.94	4.20	2.34	4.20	13.90	33.70	7.60	4.40	3.55	2.68	3.55	3.10		
28	1.58	3.73	2.42	4.10	20.48	17.45	7.48	4.00	3.82	2.68	3.46	3.19		
29	1.29	3.55	2.42	3.82	16.25	11.56	7.84	4.60	3.73	2.59		3.10		
30	1.08	3.37	2.68	4.40	10.00	9.64	6.80	4.00	3.91	2.51		2.93		
31		3.82		4.30	7.60		6.60		3.82	2.51		3.10		
Total	69.64	191.76	84.03	184.90	446.81	450.20	453.36	157.10	134.45	90.93	78.40	105.03	2446.61	CMSDAY
Mean	2.32</													

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Klang at Pracha Uthit Bridge , Chiang Mai (P.24A)**

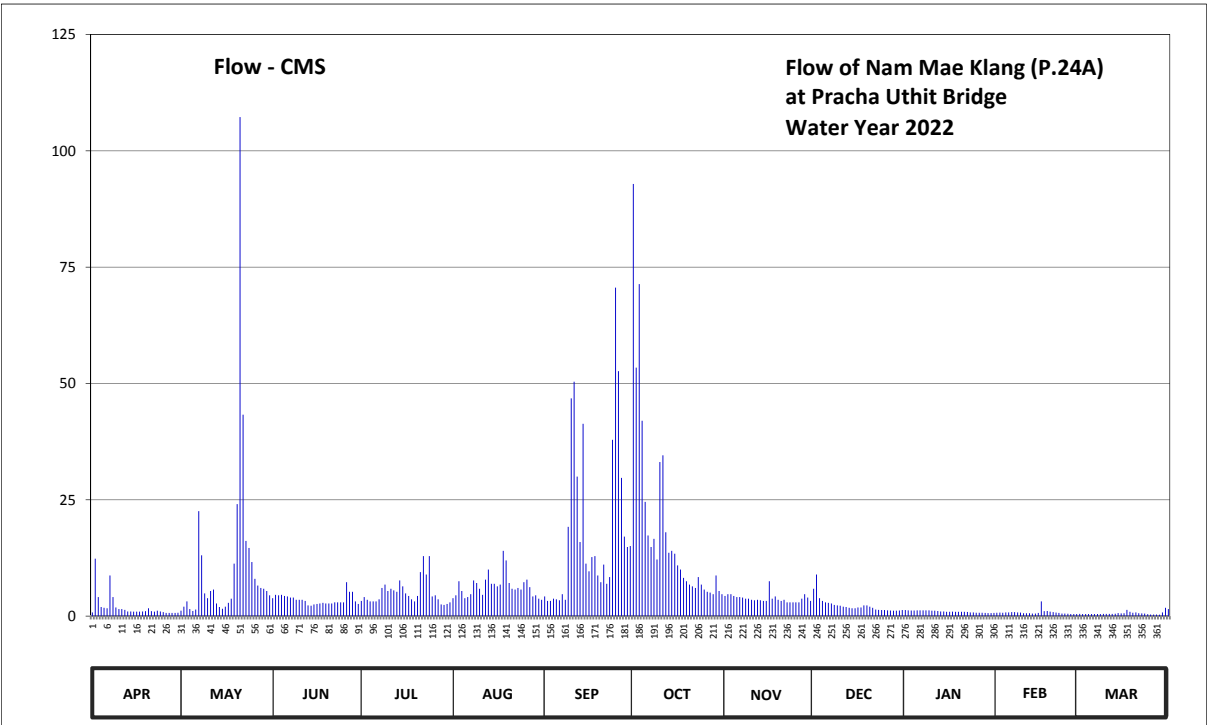
Lat 18 - 24 - 56 N Long 98 - 40 - 11 E

Location : on left bank at Pracha Uthit Bridge.

	Ban	Pracha Uthit Bridge	Amphoe	Chom Thong	Changwat	Chiang Mai
Drainge Area	445	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+275.000 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	near the gage observer's house.				Elevation	+277.954 m. (MSL.)
Gage Reading Frequency	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. Stage-discharge relation defined by 29 discharge measurements made in 2022.					

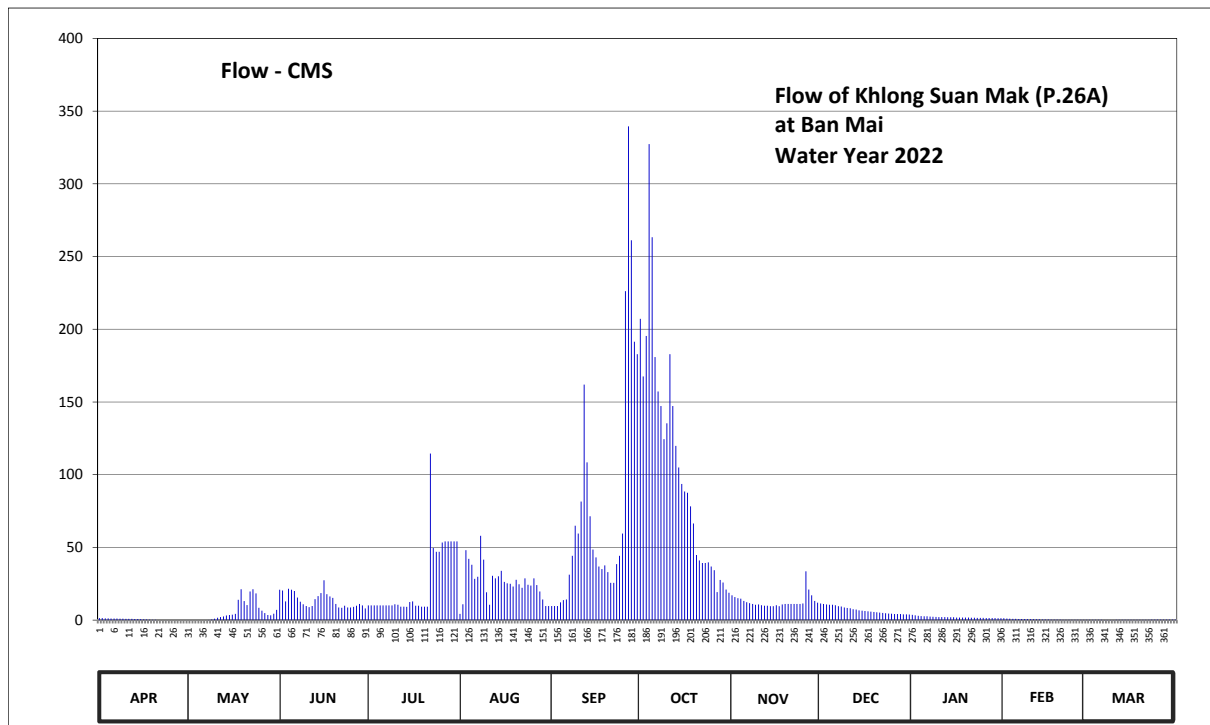
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	275.35	275.43	275.73	275.68	275.73	275.76	278.67	275.77	275.87	275.46	275.33	275.26	
2	276.23	275.56	275.79	275.75	275.78	275.68	277.70	275.80	276.04	275.45	275.34	275.25	
3	275.75	275.67	275.78	275.70	275.96	275.68	278.17	275.80	275.73	275.44	275.33	275.25	
4	275.55	275.50	275.79	275.67	275.84	275.72	277.38	275.77	275.68	275.44	275.35	275.25	
5	275.53	275.42	275.77	275.67	275.73	275.71	276.77	275.75	275.65	275.45	275.35	275.25	
6	275.52	275.48	275.76	275.67	275.75	275.69	276.47	275.75	275.64	275.45	275.36	275.25	
7	276.03	276.69	275.74	275.71	275.80	275.80	276.36	275.74	275.63	275.45	275.36	275.25	
8	275.75	276.27	275.74	275.88	275.97	275.70	276.44	275.72	275.60	275.45	275.35	275.25	
9	275.54	275.81	275.70	275.92	275.94	276.55	276.22	275.72	275.59	275.45	275.34	275.26	
10	275.50	275.73	275.70	275.84	275.87	277.52	277.09	275.70	275.58	275.43	275.30	275.26	
11	275.50	275.84	275.70	275.87	275.79	277.62	277.14	275.69	275.56	275.43	275.30	275.26	
12	275.47	275.86	275.68	275.85	275.98	276.98	276.50	275.70	275.55	275.42	275.30	275.26	
13	275.40	275.63	275.59	275.83	276.10	276.41	276.30	275.69	275.53	275.40	275.28	275.27	
14	275.40	275.55	275.58	275.97	275.93	277.36	276.32	275.68	275.52	275.40	275.28	275.31	
15	275.39	275.51	275.61	275.90	275.93	276.17	276.29	275.68	275.52	275.38	275.32	275.29	
16	275.39	275.56	275.62	275.81	275.90	276.08	276.15	275.96	275.54	275.38	275.67	275.30	
17	275.39	275.64	275.63	275.77	275.92	276.25	276.10	275.72	275.54	275.39	275.41	275.47	
18	275.40	275.72	275.64	275.71	276.32	276.26	276.00	275.76	275.59	275.38	275.42	275.38	
19	275.41	276.17	275.63	275.67	276.21	276.03	275.96	275.70	275.59	275.38	275.39	275.33	
20	275.52	276.75	275.63	275.77	275.94	275.95	275.92	275.68	275.56	275.38	275.36	275.35	
21	275.41	278.99	275.63	276.07	275.87	276.16	275.90	275.70	275.53	275.38	275.34	275.30	
22	275.39	277.42	275.65	276.26	275.86	275.93	275.88	275.65	275.48	275.37	275.32	275.29	
23	275.43	276.42	275.65	276.04	275.88	276.01	276.01	275.65	275.47	275.35	275.28	275.28	
24	275.40	276.35	275.65	276.26	275.86	277.25	275.92	275.65	275.46	275.35	275.28	275.24	
25	275.36	276.19	275.65	275.76	275.95	278.15	275.86	275.65	275.46	275.33	275.27	275.21	
26	275.32	275.99	275.95	275.78	275.98	277.68	275.83	275.65	275.45	275.33	275.25	275.21	
27	275.32	275.91	275.83	275.71	275.89	276.97	275.82	275.72	275.44	275.33	275.25	275.21	
28	275.32	275.88	275.83	275.61	275.76	276.46	275.80	275.80	275.43	275.32	275.25	275.20	
29	275.32	275.87	275.67	275.60	275.78	276.36	276.03	275.74	275.43	275.31		275.35	
30	275.33	275.84	275.62	275.62	275.72	276.37	275.84	275.68	275.44	275.31		275.53	
31		275.78		275.65	275.70		275.80		275.46	275.32		275.50	
Mean	275.49	276.01	275.70	275.81	275.89	276.41	276.41	275.72	275.57	275.39	275.33	275.29	
Max	276.23	278.99	275.95	276.26	276.32	278.15	278.67	275.96	276.04	275.46	275.67	275.53	278.99
Min	275.32	275.42	275.58	275.60	275.70	275.68	275.80	275.65	275.43	275.31	275.25	275.20	275.20
Annual Max Momentary Gage Height	279.74		m. (MSL.) ,			at 14.00 Hours ,	on May 21, 2022						
Zero Gage at Bottom Elevation	275.00		m. (MSL.) ,			River Bed	274.91	m. (MSL.)					
Left Bank Elevation		280.23		m. (MSL.) ,									
Right Bank Elevation		280.04		m. (MSL.) ,		Drainage Are	445	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.80	1.15	3.86	3.28	3.86	4.22	92.85	4.34	5.89	1.30	0.72	0.48		
2	12.34	2.04	4.58	4.10	4.46	3.28	53.40	4.70	8.92	1.25	0.76	0.45		
3	4.10	3.17	4.46	3.50	7.48	3.28	71.35	4.70	3.86	1.20	0.72	0.45		
4	1.95	1.50	4.58	3.17	5.38	3.74	41.97	4.34	3.28	1.20	0.80	0.45		
5	1.77	1.10	4.34	3.17	3.86	3.62	24.55	4.10	2.95	1.25	0.80	0.45		
6	1.68	1.40	4.22	3.17	4.10	3.39	17.31	4.10	2.84	1.25	0.84	0.45		
7	8.74	22.56	3.98	3.62	4.70	4.70	14.86	3.98	2.73	1.25	0.84	0.45		
8	4.10	13.06	3.98	6.06	7.66	3.50	16.62	3.74	2.40	1.25	0.80	0.45		
9	1.86	4.87	3.50	6.76	7.12	19.20	12.16	3.74	2.31	1.25	0.76	0.48		
10	1.50	3.86	3.50	5.38	5.89	46.80	33.11	3.50	2.22	1.15	0.60	0.48		
11	1.50	5.38	3.50	5.89	4.58	50.36	34.56	3.39	2.04	1.15	0.60	0.48		
12	1.35	5.72	3.28	5.55	7.84	29.98	18.00	3.50	1.95	1.10	0.60	0.48		
13	1.00	2.73	2.31	5.21	10.00	15.93	13.60	3.39	1.77	1.00	0.54	0.51		
14	1.00	1.95	2.22	7.66	6.94	41.34	14.02	3.28	1.68	1.00	0.54	0.64		
15	0.96	1.59	2.51	6.40	6.94	11.26	13.42	3.28	1.68	0.92	0.68	0.57		
16	0.96	2.04	2.62	4.87	6.40	9.64	10.90	7.48	1.86	0.92	3.17	0.60		
17	0.96	2.84	2.73	4.34	6.76	12.70	10.00	3.74	1.86	0.96	1.05	1.35		
18	1.00	3.74	2.84	3.62	14.02	12.88	8.20	4.22	2.31	0.92	1.10	0.92		
19	1.05	11.26	2.73	3.17	11.98	8.74	7.48	3.50	2.31	0.92	0.96	0.72		
20	1.68	24.05	2.73	4.34	7.12	7.30	6.76	3.28	2.04	0.92	0.84	0.80		
21	1.05	107.25	2.73	9.46	5.89	11.08	6.40	3.50	1.77	0.92	0.76	0.60		
22	0.96	43.30	2.95	12.88	5.72	6.94	6.06	2.95	1.40	0.88	0.68	0.57		
23	1.15	16.16	2.95	8.92	6.06	8.38	8.38	2.95	1.35	0.80	0.54	0.54		
24	1.00	14.65	2.95	12.88	5.72	37.88	6.76	2.95	1.30	0.80	0.54	0.42		
25	0.84	11.62	2.95	4.22	7.30	70.58	5.72	2.95	1.30	0.72	0.51	0.33		
26	0.68	8.02	7.30	4.46	7.84	52.64	5.21	2.95	1.25	0.72	0.45	0.33		
27	0.68	6.58	5.21	3.62	6.23	29.72	5.04	3.74	1.20	0.72	0.45	0.33		
28	0.68	6.06	5.21	2.51	4.22	17.08	4.70	4.70	1.15	0.68	0.45	0.30		
29	0.68	5.89	3.17	2.40	4.46	14.86	8.74	3.98	1.15	0.64		0.80		
30	0.72	5.38	2.62	2.62	3.74	15.07	5.38	3.28	1.20	0.64		1.77		
31		4.46		2.95	3.50		4.70		1.30	0.68		1.50		
Total	58.74	345.38	106.51	160.18	197.77	560.09	582.21	114.25	71.27	30.36	22.10	19.15	2268.01	CMSDAY
Mean	1.96	11.14	3.55	5.17	6.38	18.67	18.78	3.81	2.30	0.98	0.79	0.62	6.21	CMS
Max	12.34	107.25	7.30	12.88	14.02	70.58	92.85	7.48	8.92	1.30	3.17	1.77	107.25	CMS
Min	0.68	1.10	2.22	2.40	3.50	3.28	4.70	2.95	1.15	0.64	0.45	0.30	0.30	CMS
Runoff	5.08	29.84	9.20	13.84	17.09	48.39	50.30	9.87	6.16	2.62	1.91	1.65	195.96	MCM
Momentary Peak	143.36 CMS. at 279.74 m. (MSL.) at 14.00 Hours , on May 21, 2022													
Runoff Yield	13.75	Liters/Second/Square KM.			Momentary Peak Yield			317.17	Liters/Second/Square KM.					

Gage Height in Meter (MSL.)														Water Year April 1, 2022 to March 31, 2023	
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	84.52	84.34	85.45	85.02	84.71	85.00	87.94	85.80	85.64	85.33	85.14	84.93		
	2	84.52	84.35	85.43	85.02	85.05	85.00	87.53	85.77	85.63	85.31	85.12	84.93		
	3	84.51	84.36	85.14	85.02	86.13	85.00	87.82	85.75	85.62	85.29	85.11	84.93		
	4	84.51	84.37	85.47	85.02	86.02	85.11	89.09	85.74	85.61	85.27	85.10	84.92		
	5	84.50	84.38	85.45	85.02	85.93	85.18	88.49	85.70	85.61	85.26	85.09	84.92		
	6	84.50	84.39	85.42	85.02	85.68	85.20	87.67	85.67	85.60	85.26	85.08	84.92		
	7	84.50	84.40	85.25	85.02	85.72	85.76	87.42	85.65	85.58	85.25	85.07	84.91		
	8	84.49	84.41	85.13	85.02	86.28	86.06	87.31	85.63	85.57	85.24	85.07	84.91		
	9	84.49	84.44	85.05	85.02	86.01	86.37	87.06	85.61	85.55	85.23	85.06	84.91		
	10	84.48	84.49	85.00	85.05	85.39	86.30	87.18	85.62	85.54	85.22	85.05	84.91		
	11	84.48	84.54	84.96	85.04	85.04	86.57	87.69	85.60	85.53	85.22	85.04	84.92		
	12	84.48	84.57	85.00	84.98	85.74	87.47	87.31	85.59	85.51	85.22	85.03	84.92		
	13	84.47	84.60	85.21	84.98	85.69	86.88	87.01	85.59	85.50	85.21	85.02	84.93		
	14	84.47	84.64	85.29	84.97	85.73	86.45	86.84	85.58	85.48	85.21	85.01	84.93		
	15	84.46	84.66	85.37	85.12	85.83	86.14	86.71	85.58	85.47	85.21	85.01	84.93		
	16	84.45	84.68	85.65	85.14	85.62	86.04	86.65	85.60	85.46	85.20	85.00	84.93		
	17	84.44	84.71	85.34	85.01	85.59	85.90	86.64	85.58	85.45	85.20	84.99	84.94		
	18	84.43	85.19	85.28	85.01	85.58	85.86	86.53	85.62	85.44	85.19	84.98	84.94		
	19	84.42	85.46	85.24	84.98	85.52	85.92	86.39	85.63	85.43	85.19	84.97	84.94		
	20	84.42	85.15	85.06	84.98	85.66	85.81	86.07	85.63	85.42	85.19	84.96	84.95		
	21	84.40	85.03	84.95	84.98	85.57	85.60	86.00	85.63	85.41	85.18	84.95	84.95		
	22	84.39	85.41	84.94	86.95	85.49	85.60	85.96	85.63	85.40	85.18	84.95	84.95		
	23	84.38	85.46	85.01	86.16	85.69	85.94	85.96	85.63	85.39	85.17	84.94	84.96		
	24	84.37	85.36	84.95	86.11	85.56	86.06	85.97	85.63	85.38	85.17	84.94	84.96		
	25	84.36	84.94	84.95	86.11	85.54	86.30	85.90	85.64	85.37	85.17	84.94	84.96		
	26	84.35	84.84	84.97	86.22	85.69	88.13	85.84	86.10	85.36	85.16	84.93	84.96		
	27	84.35	84.74	85.01	86.23	85.55	89.20	85.85	85.89	85.36	85.16	84.93	84.97		
	28	84.34	84.66	85.06	86.23	85.41	88.47	86.01	85.80	85.36	85.16	84.93	84.97		
	29	84.34	84.65	85.02	86.23	85.20	87.78	85.98	85.70	85.35	85.16		84.97		
	30	84.34	84.72	84.92	86.23	85.00	87.69	85.89	85.66	85.35	85.15		84.97		
	31		84.87		86.23	85.00		85.84		85.34	85.15		84.97		
Mean		84.44	84.74	85.17	85.42	85.57	86.29	86.79	85.67	85.47	85.21	85.01	84.94		
Max		84.52	85.46	85.65	86.95	86.28	89.20	89.09	86.10	85.64	85.33	85.14	84.97	89.20	
Min		84.34	84.34	84.92	84.97	84.71	85.00	85.84	85.58	85.34	85.15	84.93	84.91	84.34	
Annual Max Momentary Gage Height			89.30	m. (MSL.) , at 18.00 Hours , on Sep 27, 2022											
Zero Gage at Bottom Elevation			84.11	m. (MSL.) , River Bed 80.79 m. (MSL.)											
Left Bank Elevation			85.21	m. (MSL.) ,											
Right Bank Elevation			88.34	m. (MSL.) , Drainage Are 958 Square Kilometers											



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.38	0.00	20.95	10.15	4.27	9.70	207.12	17.00	11.40	3.64	1.26	0.19		
2	1.38	0.00	20.33	10.15	10.83	9.70	167.59	15.86	11.10	3.28	1.08	0.19		
3	1.24	0.00	12.85	10.15	48.02	9.70	195.36	15.10	10.80	2.97	0.99	0.19		
4	1.24	0.00	21.57	10.15	42.08	12.18	327.35	14.72	10.50	2.71	0.90	0.16		
5	1.10	0.00	20.95	10.15	38.06	13.75	263.27	13.20	10.50	2.58	0.85	0.16		
6	1.10	0.00	20.02	10.15	28.40	14.20	180.92	12.30	10.20	2.58	0.80	0.16		
7	1.10	0.00	15.50	10.15	29.80	31.20	157.19	11.70	9.60	2.45	0.75	0.13		
8	0.99	0.11	12.63	10.15	57.96	44.24	147.16	11.10	9.30	2.32	0.75	0.13		
9	0.99	0.44	10.83	10.15	41.54	64.89	124.39	10.50	8.70	2.19	0.70	0.13		
10	0.88	0.99	9.70	10.83	19.14	59.50	135.37	10.80	8.40	2.06	0.65	0.13		
11	0.88	1.66	8.86	10.60	10.60	81.57	182.84	10.20	8.10	2.06	0.60	0.16		
12	0.88	2.08	9.70	9.28	30.50	161.92	147.16	9.90	7.50	2.06	0.55	0.16		
13	0.77	2.50	14.46	9.28	28.75	108.46	119.82	9.90	7.20	1.93	0.50	0.19		
14	0.77	3.14	16.54	9.07	30.15	71.43	104.98	9.60	6.74	1.93	0.45	0.19		
15	0.66	3.46	18.62	12.40	33.86	48.56	93.67	9.60	6.51	1.93	0.45	0.19		
16	0.55	3.78	27.35	12.85	26.30	43.16	88.45	10.20	6.28	1.80	0.40	0.19		
17	0.44	4.27	17.84	9.93	25.29	36.80	87.58	9.60	6.05	1.80	0.37	0.22		
18	0.33	13.98	16.28	9.93	24.98	35.12	78.19	10.80	5.82	1.71	0.34	0.22		
19	0.22	21.26	15.24	9.28	23.12	37.64	66.43	11.10	5.59	1.71	0.31	0.22		
20	0.22	13.08	11.05	9.28	27.70	33.02	44.78	11.10	5.36	1.71	0.28	0.25		
21	0.00	10.38	8.65	9.28	24.67	25.60	41.00	11.10	5.13	1.62	0.25	0.25		
22	0.00	19.71	8.44	114.55	22.19	25.60	39.32	11.10	4.90	1.62	0.25	0.25		
23	0.00	21.26	9.93	49.64	28.75	38.48	39.32	11.10	4.72	1.53	0.22	0.28		
24	0.00	18.36	8.65	46.94	24.36	44.24	39.74	11.10	4.54	1.53	0.22	0.28		
25	0.00	8.44	8.65	46.94	23.74	59.50	36.80	11.40	4.36	1.53	0.22	0.28		
26	0.00	6.52	9.07	53.34	28.75	226.26	34.28	33.60	4.18	1.44	0.19	0.28		
27	0.00	4.78	9.93	54.11	24.05	339.50	19.20	20.96	4.18	1.44	0.19	0.31		
28	0.00	3.46	11.05	54.11	19.71	261.21	27.66	17.00	4.18	1.44	0.19	0.31		
29	0.00	3.30	10.15	54.11	14.20	191.48	25.88	13.20	4.00	1.44		0.31		
30	0.00	4.44	8.02	54.11	9.70	182.84	20.96	12.00	4.00	1.35		0.31		
31		7.06		54.11	9.70		18.76		3.82	1.35		0.31		
Total	17.12	178.46	413.81	795.32	811.17	2321.45	3262.54	386.84	213.66	61.71	14.71	6.73	8483.52	CMSDAY
Mean	0.57	5.76	13.79	25.66	26.17	77.38	105.24	12.89	6.89	1.99	0.53	0.22	23.24	CMS
Max	1.38	21.26	27.35	114.55	57.96	339.50	327.35	33.60	11.40	3.64	1.26	0.31	339.50	CMS
Min	0.00	0.00	8.02	9.07	4.27	9.70	18.76	9.60	3.82	1.35	0.19	0.13	0.00	CMS
Runoff	1.48	15.42	35.75	68.72	70.09	200.57	281.88	33.42	18.46	5.33	1.27	0.58	732.98	MCM
Momentary Peak	350.55	CMS. at 89.30 m. (MSL.) at 18.00 Hours , on Sep 27, 2022												
Runoff Yield	24.26	Liters/Second/Square KM.				Momentary Peak Yield				365.92	Liters/Second/Square KM.			

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Ngat at Ban Sahakorn Romklao , Chiang Mai (P.56A)**

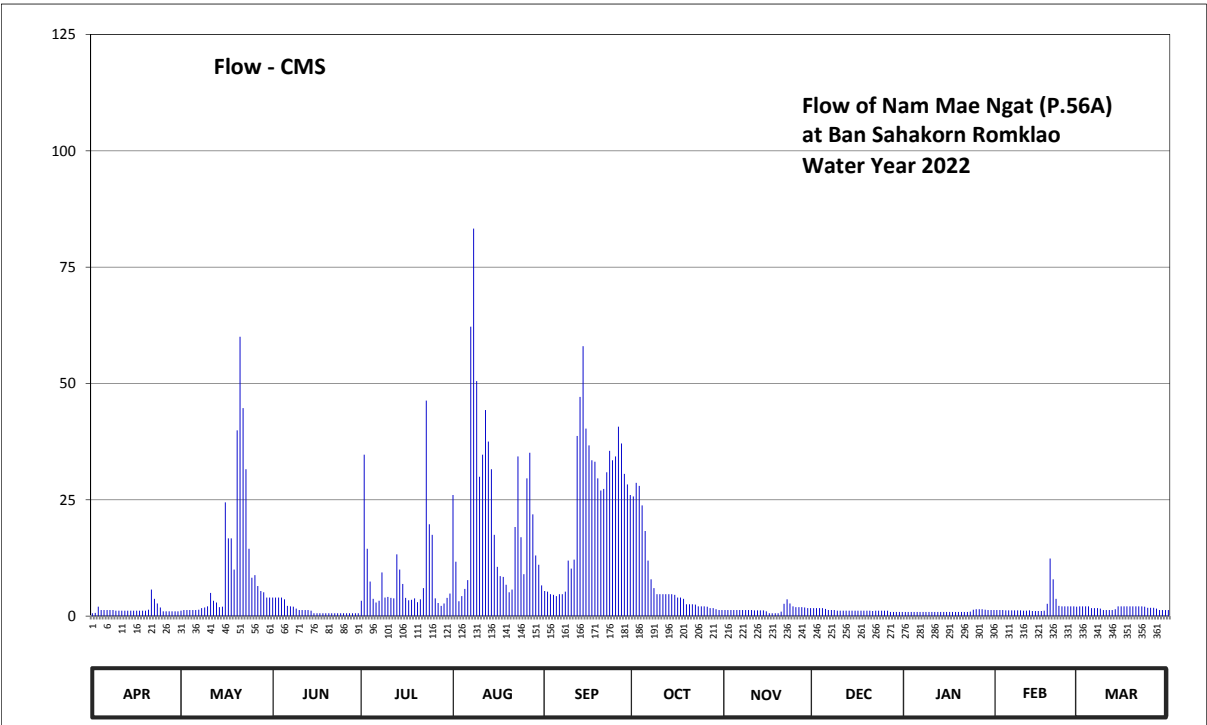
Lat 19 - 17 - 00 N Long 99 - 11 - 12 E

Location : on left bank at the bridge near land Cooperative Office.

	Ban	Sahakorn Romklao	Amphoe	Phrao	Changwat	Chiang Mai
Drainge Area	546	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+408.300 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 10 meters from the top staff gage.				Elevation	+416.250 m. (MSL.)
Gage Reading Frequency	Recording.					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1998 to date					
Rating Operation						
Period of Rating	1998 to date					
Rated by Float	-					
Rated by Current Meter	1998 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 29 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	408.80	408.88	409.20	409.13	410.17	409.30	410.16	408.90	408.95	408.84	408.90	409.00	
2	408.81	408.90	409.20	410.43	409.65	409.29	410.25	408.90	408.95	408.84	408.90	409.00	
3	408.99	408.90	409.20	409.77	409.12	409.25	410.23	408.90	408.95	408.84	408.90	409.00	
4	408.90	408.90	409.20	409.43	409.22	409.24	410.10	408.90	408.95	408.84	408.89	409.00	
5	408.90	408.90	409.16	409.17	409.33	409.22	409.92	408.90	408.93	408.84	408.89	408.95	
6	408.90	408.90	409.01	409.09	409.45	409.25	409.66	408.90	408.90	408.84	408.89	408.95	
7	408.90	408.91	409.00	409.13	411.05	409.25	409.46	408.90	408.90	408.84	408.89	408.95	
8	408.90	408.95	408.99	409.54	411.44	409.29	409.34	408.90	408.90	408.84	408.89	408.94	
9	408.88	408.97	408.94	409.20	410.82	409.66	409.25	408.90	408.88	408.84	408.89	408.90	
10	408.88	409.00	408.90	409.21	410.29	409.58	409.25	408.90	408.88	408.84	408.88	408.90	
11	408.88	409.27	408.90	409.19	410.43	409.67	409.25	408.89	408.88	408.84	408.88	408.90	
12	408.88	409.13	408.90	409.18	410.67	410.53	409.25	408.89	408.88	408.84	408.89	408.90	
13	408.88	409.09	408.90	409.72	410.50	410.74	409.25	408.89	408.88	408.84	408.87	408.92	
14	408.88	408.98	408.88	409.57	410.34	410.97	409.25	408.89	408.88	408.84	408.87	409.00	
15	408.88	408.99	408.80	409.40	409.89	410.57	409.24	408.86	408.88	408.84	408.87	409.00	
16	408.88	410.12	408.80	409.19	409.60	410.48	409.20	408.80	408.88	408.84	408.87	409.00	
17	408.88	409.86	408.80	409.14	409.50	410.40	409.20	408.80	408.88	408.84	408.88	409.00	
18	408.88	409.86	408.80	409.15	409.49	410.39	409.17	408.80	408.88	408.84	409.06	409.00	
19	408.88	409.57	408.80	409.18	409.39	410.28	409.05	408.80	408.88	408.84	409.68	409.00	
20	408.91	410.56	408.80	409.10	409.28	410.20	409.05	408.85	408.88	408.84	409.46	409.00	
21	409.32	411.01	408.80	409.16	409.32	410.21	409.05	409.06	408.87	408.84	409.17	409.00	
22	409.17	410.68	408.80	409.34	409.95	410.32	409.04	409.16	408.88	408.84	409.01	409.00	
23	409.07	410.34	408.80	410.72	410.42	410.45	409.00	409.07	408.88	408.85	409.00	408.99	
24	408.97	409.77	408.80	409.97	409.87	410.40	409.00	409.00	408.88	408.91	409.00	408.96	
25	408.86	409.48	408.80	409.89	409.52	410.42	409.00	408.98	408.88	408.92	409.00	408.96	
26	408.86	409.51	408.80	409.18	410.28	410.58	408.99	408.98	408.88	408.92	409.00	408.96	
27	408.86	409.37	408.80	409.08	410.44	410.49	408.95	408.98	408.84	408.92	409.00	408.94	
28	408.86	409.30	408.80	409.01	410.04	410.31	408.95	408.97	408.84	408.91	408.99	408.90	
29	408.86	409.28	408.80	409.07	409.71	410.24	408.92	408.95	408.84	408.90		408.90	
30	408.86	409.20	408.80	409.19	409.62	410.17	408.90	408.95	408.84	408.90		408.90	
31		409.20		409.26	409.38		408.90		408.84	408.90		408.90	
Mean	408.91	409.41	408.91	409.38	409.94	410.04	409.30	408.92	408.89	408.86	408.98	408.96	
Max	409.32	411.01	409.20	410.72	411.44	410.97	410.25	409.16	408.95	408.92	409.68	409.00	411.44
Min	408.80	408.88	408.80	409.01	409.12	409.22	408.90	408.80	408.84	408.84	408.87	408.90	408.80
Annual Max Momentary Gage Height	411.50	m. (MSL.) ,		at 06.00 Hours , on Aug 8, 2022									
Zero Gage at Bottom Elevation	408.30	m. (MSL.) ,		River Bed		408.61	m. (MSL.)						
Left Bank Elevation	415.80	m. (MSL.) ,											
Right Bank Elevation	415.86	m. (MSL.) ,		Drainage Are		546	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.60	1.16	4.00	3.30	26.04	5.40	25.72	1.30	1.70	0.88	1.30	2.10	
2	0.67	1.30	4.00	34.70	11.70	5.26	28.63	1.30	1.70	0.88	1.30	2.10	
3	2.02	1.30	4.00	14.48	3.20	4.70	27.98	1.30	1.70	0.88	1.30	2.10	
4	1.30	1.30	4.00	7.41	4.28	4.56	23.80	1.30	1.70	0.88	1.23	2.10	
5	1.30	1.30	3.60	3.70	5.85	4.28	18.28	1.30	1.54	0.88	1.23	1.70	
6	1.30	1.30	2.19	2.91	7.75	4.70	11.92	1.30	1.30	0.88	1.23	1.70	
7	1.30	1.38	2.10	3.30	62.18	4.70	7.92	1.30	1.30	0.88	1.23	1.70	
8	1.30	1.70	2.02	9.40	83.28	5.26	6.00	1.30	1.30	0.88	1.23	1.62	
9	1.16	1.86	1.62	4.00	50.50	11.92	4.70	1.30	1.16	0.88	1.23	1.30	
10	1.16	2.10	1.30	4.14	29.93	10.20	4.70	1.30	1.16	0.88	1.16	1.30	
11	1.16	4.98	1.30	3.90	34.70	12.14	4.70	1.23	1.16	0.88	1.16	1.30	
12	1.16	3.30	1.30	3.80	44.30	38.70	4.70	1.23	1.16	0.88	1.23	1.30	
13	1.16	2.91	1.30	13.28	37.50	47.10	4.70	1.23	1.16	0.88	1.09	1.46	
14	1.16	1.94	1.16	10.00	31.55	58.00	4.70	1.23	1.16	0.88	1.09	2.10	
15	1.16	2.02	0.60	6.90	17.45	40.30	4.56	1.02	1.16	0.88	1.09	2.10	
16	1.16	24.44	0.60	3.90	10.60	36.70	4.00	0.60	1.16	0.88	1.09	2.10	
17	1.16	16.70	0.60	3.40	8.60	33.50	4.00	0.60	1.16	0.88	1.16	2.10	
18	1.16	16.70	0.60	3.50	8.43	33.18	3.70	0.60	1.16	0.88	2.64	2.10	
19	1.16	10.00	0.60	3.80	6.75	29.60	2.55	0.60	1.16	0.88	12.36	2.10	
20	1.38	39.90	0.60	3.00	5.12	27.00	2.55	0.95	1.16	0.88	7.92	2.10	
21	5.70	60.04	0.60	3.60	5.70	27.33	2.55	2.64	1.09	0.88	3.70	2.10	
22	3.70	44.70	0.60	6.00	19.15	30.90	2.46	3.60	1.16	0.88	2.19	2.10	
23	2.73	31.55	0.60	46.30	34.30	35.50	2.10	2.73	1.16	0.95	2.10	2.02	
24	1.86	14.48	0.60	19.73	16.95	33.50	2.10	2.10	1.16	1.38	2.10	1.78	
25	1.02	8.26	0.60	17.45	9.00	34.30	2.10	1.94	1.16	1.46	2.10	1.78	
26	1.02	8.80	0.60	3.80	29.60	40.70	2.02	1.94	1.16	1.46	2.10	1.78	
27	1.02	6.45	0.60	2.82	35.10	37.10	1.70	1.94	0.88	1.46	2.10	1.62	
28	1.02	5.40	0.60	2.19	21.88	30.58	1.70	1.86	0.88	1.38	2.02	1.30	
29	1.02	5.12	0.60	2.73	13.04	28.30	1.46	1.70	0.88	1.30		1.30	
30	1.02	4.00	0.60	3.90	11.04	26.04	1.30	1.70	0.88	1.30		1.30	
31		4.00		4.84	6.60		1.30		0.88	1.30		1.30	
Total	44.04	330.39	43.49	256.18	692.07	741.45	220.60	44.44	37.45	31.35	61.68	54.86	2558.00 CMSDAY
Mean	1.47	10.66	1.45	8.26	22.32	24.71	7.12	1.48	1.21	1.01	2.20	1.77	7.01 CMS
Max	5.70	60.04	4.00	46.30	83.28	58.00	28.63	3.60	1.70	1.46	12.36	2.10	83.28 CMS
Min	0.60	1.16	0.60	2.19	3.20	4.28	1.30	0.60	0.88	0.88	1.09	1.30	0.60 CMS
Runoff	3.81	28.55	3.76	22.13	59.79	64.06	19.06	3.84	3.24	2.71	5.33	4.74	221.01 MCM
Momentary Peak	86.70 CMS. at 411.50 m. (MSL.) at 06.00 Hours , on Aug 8, 2022												
Runoff Yield	12.84	Liters/Second/Square KM.		Momentary Peak Yield		158.79	Liters/Second/Square KM.						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.63	2.28	20.43	8.75	25.18	110.45	121.50	55.80	30.62	15.45	12.10	9.50	
2	17.55	3.67	20.00	16.50	35.12	99.40	341.95	52.90	26.94	14.75	13.00	9.00	
3	21.72	6.30	13.00	27.38	33.02	81.60	491.10	50.73	27.82	14.75	23.01	20.86	
4	9.25	7.10	6.70	17.90	34.04	69.93	445.20	50.73	24.74	15.10	23.87	25.18	
5	3.67	4.99	5.33	11.20	27.82	63.05	277.00	46.64	26.06	14.75	21.72	25.62	
6	2.89	3.97	6.10	8.50	35.66	63.05	212.50	44.40	27.82	16.85	20.86	26.94	
7	2.63	8.00	5.16	8.75	53.63	63.77	172.00	44.40	26.50	26.50	15.10	26.94	
8	4.14	13.00	5.33	17.90	100.25	50.00	150.00	44.96	23.44	25.62	10.30	19.30	
9	3.15	9.50	5.90	35.66	173.15	73.03	134.00	44.40	20.43	16.85	10.30	9.25	
10	2.28	26.50	5.90	22.58	207.50	115.55	128.30	43.85	18.95	15.80	16.85	23.01	
11	2.06	38.90	5.50	28.70	193.85	162.10	151.10	41.65	18.25	16.15	20.86	23.87	
12	2.63	41.10	5.50	18.95	186.95	250.20	127.45	40.00	18.25	16.15	20.86	23.44	
13	3.97	24.30	5.50	14.75	345.25	304.00	110.45	38.36	18.25	17.55	18.95	23.44	
14	7.30	18.25	5.33	22.15	335.35	301.00	104.50	37.82	18.25	27.38	10.60	26.06	
15	7.30	15.10	5.90	32.54	172.00	292.00	115.55	36.20	19.65	26.94	8.25	16.15	
16	4.48	10.90	5.90	23.01	128.30	231.70	99.40	43.85	17.90	16.85	14.40	11.20	
17	2.89	13.35	3.54	16.85	124.05	206.25	91.20	42.75	17.90	14.40	36.74	24.74	
18	2.63	18.95	4.14	11.20	123.20	195.00	86.40	55.08	17.90	14.05	37.82	28.70	
19	2.28	36.20	3.15	9.00	114.70	186.95	82.40	48.32	16.85	13.70	29.66	26.50	
20	3.15	28.70	2.28	10.00	79.23	163.20	75.35	46.64	16.15	15.45	26.94	26.94	
21	3.41	63.05	2.39	10.90	67.60	164.30	71.48	46.08	17.90	26.06	17.20	26.94	
22	5.16	230.40	2.06	21.72	62.32	176.60	69.15	48.32	17.20	23.87	12.10	15.10	
23	4.65	142.00	2.28	47.20	79.23	161.00	69.93	46.08	16.85	15.45	11.80	9.75	
24	2.63	80.00	3.15	57.98	107.05	176.60	67.60	45.52	17.20	13.70	20.43	20.86	
25	2.63	55.08	2.63	55.08	108.75	200.00	63.05	46.64	15.45	14.40	23.44	23.44	
26	2.17	40.00	2.63	33.50	122.35	190.40	58.70	44.40	15.45	14.05	22.58	22.58	
27	2.06	31.10	3.02	22.58	174.30	207.50	57.25	41.65	16.85	23.01	21.29	23.01	
28	2.39	24.74	2.50	15.45	211.25	180.05	57.98	41.65	17.20	25.62	13.35	23.44	
29	2.63	20.43	2.39	11.20	177.75	155.50	60.87	40.55	17.20	26.06		12.40	
30	5.90	18.25	2.50	10.00	130.00	134.00	62.32	37.82	16.85	17.90		8.50	

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.40	1.62	7.02	2.17	18.04	10.39	88.60	15.91	9.26	4.30	2.66	1.74	
2	2.31	2.66	5.64	5.38	12.69	8.82	159.50	15.45	13.15	4.20	2.45	1.80	
3	3.60	2.59	4.73	4.60	13.15	8.38	174.35	14.99	10.85	4.20	2.24	1.98	
4	3.52	2.96	3.52	3.36	15.68	8.60	165.90	14.07	8.16	4.30	2.04	2.04	
5	2.96	2.66	3.12	3.04	16.84	9.93	139.50	13.38	6.86	4.10	1.92	2.04	
6	2.52	2.52	3.20	2.88	25.05	8.82	95.05	12.23	6.54	4.30	1.86	2.04	
7	2.59	13.61	2.88	2.80	44.95	11.31	73.88	11.08	6.70	4.10	1.86	2.04	
8	5.51	14.99	2.73	3.28	57.14	14.76	63.12	10.85	6.38	3.70	1.92	1.86	
9	3.60	7.02	2.59	3.70	61.66	37.30	54.76	10.39	6.38	3.70	1.86	1.68	
10	2.66	5.51	2.38	5.90	83.65	80.05	70.05	9.70	6.22	3.60	1.98	1.56	
11	2.31	4.73	2.24	11.08	39.40	143.25	83.65	9.48	5.90	3.70	1.98	1.56	
12	2.24	16.37	1.92	21.64	37.00	123.40	55.78	9.04	5.51	3.60	1.80	1.56	
13	1.98	8.16	1.80	16.84	59.52	64.22	46.27	9.04	5.25	3.52	1.68	1.92	
14	1.45	4.99	1.62	22.84	38.80	98.73	42.31	9.26	4.99	3.36	1.68	2.38	
15	1.45	3.52	1.45	16.60	26.80	108.18	52.38	10.62	4.86	3.36	1.68	2.24	
16	1.45	3.28	1.50	9.04	24.30	56.80	37.90	14.76	4.73	3.12	1.68	2.17	
17	1.45	3.12	1.62	4.99	36.70	39.10	29.58	16.37	4.60	2.80	2.45	2.17	
18	1.86	8.38	1.68	4.86	36.10	43.30	25.05	17.32	5.12	2.88	4.20	2.38	
19	20.20	24.30	1.62	9.70	26.05	35.80	21.64	12.69	5.38	3.04	3.12	2.45	
20	14.30	43.63	1.56	45.28	19.96	27.55	19.96	11.08	4.86	3.36	2.45	2.73	
21	8.38	115.00	1.45	35.50	16.14	28.80	18.76	9.26	4.73	3.20	2.24	3.52	
22	5.25	161.38	1.45	66.41	19.48	25.55	18.52	8.38	4.60	3.20	2.04	3.36	
23	3.28	68.78	1.45	35.80	43.63	32.70	22.12	7.94	4.50	3.12	1.92	2.52	
24	2.80	37.90	1.50	18.52	21.16	38.50	24.55	7.94	4.50	3.12	1.86	1.92	
25	2.52	29.84	2.38	9.70	16.14	87.70	20.20	8.16	4.40	2.88	1.80	1.74	
26	2.24	23.56	2.17	5.77	20.20	143.88	18.28	9.93	4.40	2.80	1.68	1.56	
27	2.10	18.52	1.92	5.51	19.96	131.25	18.52	11.77	4.40	3.28	1.74	1.45	
28	1.56	11.31	1.86	4.86	19.00	62.76	19.24	11.54	4.30	3.12	1.80	1.45	
29	1.50	4.00	2.59	6.54	17.32	35.20	22.84	10.39	4.20	2.96		1.45	
30	1.50	5.25	1.86	5.51	12.23	28.30	18.28	9.70	4.20	2.80		1.40	
31		4.86		5.90	8.60		16.84		4.30	2.88		0.95	
Total	110.49	657.02	73.45	400.00	907.34	1553.33	1717.38	342.72					

WATER YEAR : 2022**PING RIVER BASIN****Ping River at Ban Sop Soi , Chiang Mai (P.73)**

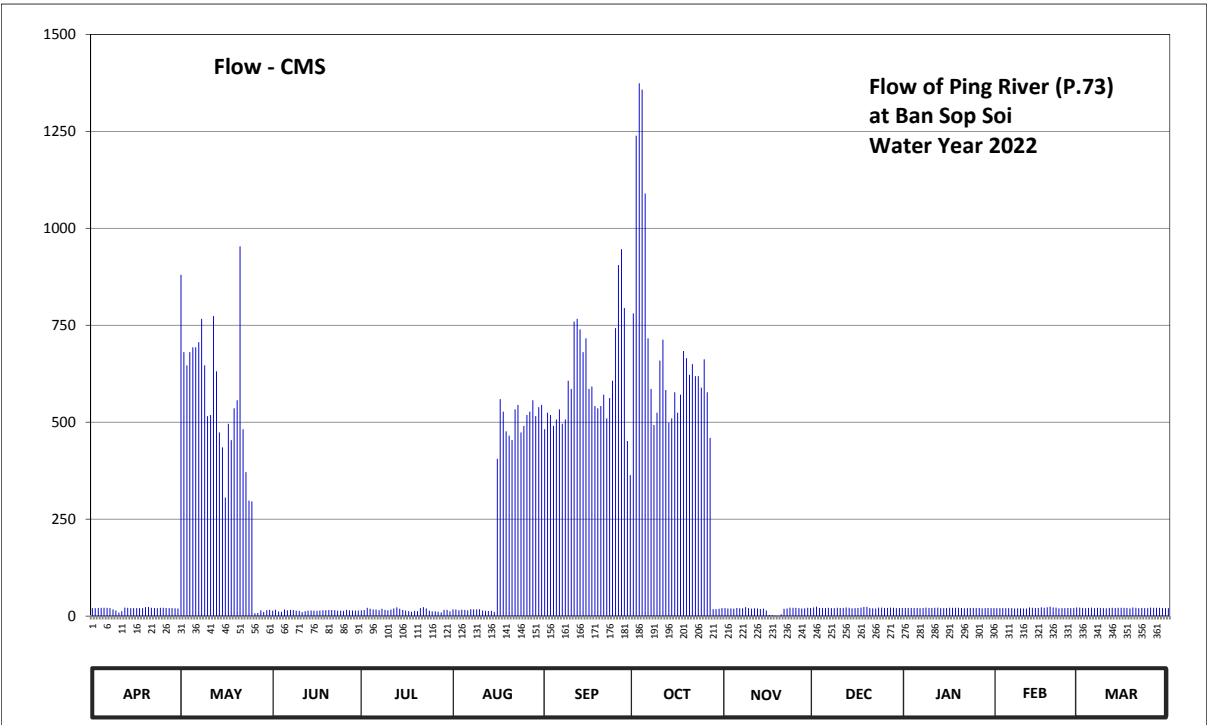
Lat 18 - 17 - 57 N Long 98 - 38 - 45 E

Location : on left bank at Sop Soi Phatana Bridge.

	Ban Sop Soi	Amphoe Chom Thong	Changwat Chiang Mai
Drainage Area	14,718 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+261.750 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 15 meters from the abutment of the bridge.	Elevation	+267.505 m. (MSL.)
Gage Reading Frequency	Recording.		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1997 to date		
Rating Operation			
Period of Rating	1997 to date		
Rated by Float	-		
Rated by Current Meter	1998 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 24 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	265.05	265.55	264.39	264.47	264.74	264.30	265.27	265.08	265.21	265.10	265.05	265.18	
2	265.07	264.97	264.63	264.55	264.67	264.45	266.50	264.99	265.42	265.09	265.05	265.09	
3	265.11	264.86	264.20	265.13	264.48	264.43	266.84	264.98	265.12	265.11	265.05	265.04	
4	265.13	264.97	264.12	264.89	264.65	264.33	266.80	264.93	265.12	265.10	265.05	265.10	
5	265.16	265.01	264.67	264.69	264.60	264.39	266.11	265.10	265.08	265.09	265.07	265.19	
6	265.13	265.01	264.47	264.67	264.50	264.48	265.08	265.02	265.14	265.08	265.05	265.08	
7	265.07	265.05	264.59	264.54	264.76	264.35	264.66	265.01	265.06	265.12	264.97	265.13	
8	264.74	265.23	264.56	264.89	264.72	264.39	264.34	265.29	265.08	265.18	265.03	265.11	
9	264.46	264.86	264.42	264.62	264.72	264.73	264.45	265.04	265.13	265.11	265.00	265.08	
10	263.90	264.42	264.35	264.50	264.76	264.66	264.90	264.94	265.10	265.10	264.96	265.03	
11	264.26	264.43	264.01	264.69	264.44	265.21	265.07	265.00	265.11	265.14	264.98	265.10	
12	265.18	265.25	264.27	264.98	264.35	265.23	264.65	264.99	265.23	265.17	265.22	265.13	
13	265.16	264.81	264.42	265.28	264.31	265.15	264.36	264.85	265.14	265.06	265.16	265.12	
14	265.05	264.27	264.44	264.91	264.36	264.97	264.40	264.94	265.03	265.06	265.10	265.14	
15	265.04	264.13	264.42	264.62	264.11	265.08	264.63	264.45	265.06	265.09	265.10	265.15	
16	265.07	263.63	264.34	264.45	264.02	264.66	264.45	262.81	265.10	265.14	265.25	265.15	
17	265.05	264.35	264.45	264.26	264.57	264.68	264.61	262.70	265.20	265.13	265.15	265.11	
18	265.07	264.20	264.47	264.13	264.46	264.51	264.98	262.31	265.35	265.14	265.28	265.02	
19	265.29	264.49	264.52	264.36	264.28	264.49	264.92	262.28	265.40	265.13	265.43	265.21	
20	265.33	264.56	264.55	264.28	264.24	264.51	264.78	263.09	265.04	265.09	265.24	265.14	
21	265.15	265.75	264.55	265.08	264.20	264.61	264.87	264.90	265.02	265.01	265.20	265.04	
22	265.12	264.30	264.51	265.29	264.48	264.40	264.77	264.96	264.98	265.06	265.00	265.12	
23	265.08	263.89	264.42	264.99	264.52	264.58	264.77	265.18	265.18	265.11	265.05	265.04	
24	265.16	263.60	264.38	264.42	264.27	264.73	264.67	265.13	265.19	265.11	265.07	265.05	
25	265.13	263.59	264.36	264.24	264.33	265.16	264.91	265.14	265.12	265.11	265.10	265.18	
26	265.10	263.71	264.60	264.22	264.43	265.62	264.63	265.04	265.12	265.09	265.06	265.13	
27	265.07	263.83	264.50	264.13	264.46	265.73	264.22	264.99	265.19	265.01	265.10	265.14	
28	265.07	264.50	264.44	263.93	264.56	265.31	264.77	265.02	265.13	265.07	265.22	265.13	
29	265.00	264.09	264.46	264.59	264.42	264.19	264.81	265.14	265.08	265.11		265.09	
30	264.97	264.54	264.45	264.61	264.50	263.86	264.89	265.10	265.11	265.07		265.06	
31		264.62		264.25	264.52		265.04		265.11	265.06		265.07	
Mean	265.01	264.53	264.43	264.60	264.47	264.71	264.97	264.61	265.14	265.10	265.11		
Max	265.33	265.75	264.67	265.29	264.76	265.73	266.84	265.29	265.42	265.18	265.43	265.21	266.84
Min	263.90	263.59	264.01	263.93	264.02	263.86	264.22	262.28	264.98	265.01	264.96	265.02	262.28
Annual Max Momentary Gage Height	266.95		m. (MSL.) ,				at 05.00 Hours , on Oct 4, 2022						
Zero Gage at Bottom Elevation	261.75		m. (MSL.) ,			River Bed	258.55	m. (MSL.)					
Left Bank Elevation	268.86		m. (MSL.) ,										
Right Bank Elevation	268.03		m. (MSL.) ,			Drainage Are	14,718	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	20.50	880.00	13.90	14.70	17.40	482.00	780.50	20.80	22.10	21.00	20.50	21.80	
2	20.70	680.70	16.30	15.50	16.70	524.50	1239.00	19.90	24.20	20.90	20.50	20.90	
3	21.10	646.60	12.00	21.30	14.80	518.70	1374.00	19.80	21.20	21.10	20.50	20.40	
4	21.30	680.70	11.20	18.90	16.50	490.40	1358.00	19.30	21.20	21.00	20.50	21.00	
5	21.60	693.30	16.70	16.90	16.00	507.20	1089.80	21.00	20.80	20.90	20.70	21.90	
6	21.30	693.30	14.70	16.70	15.00	533.20	716.40	20.20	21.40	20.80	20.50	20.80	
7	20.70	706.50	15.90	15.40	17.60	496.00	586.00	20.10	20.60	21.20	19.70	21.30	
8	17.40	766.50	15.60	18.90	17.20	507.20	493.20	22.90	20.80	21.80	20.30	21.10	
9	14.60	646.60	14.20	16.20	17.20	607.00	524.50	20.40	21.30	21.10	20.00	20.80	
10	9.00	515.80	13.50	15.00	17.60	586.00	659.00	19.40	21.00	21.00	19.60	20.30	
11	12.60	518.70	10.10	16.90	14.40	759.50	713.10	20.00	21.10	21.40	19.80	21.00	
12	21.80	773.50	12.70	19.80	13.50	766.50	583.00	19.90	22.30	21.70	22.20	21.30	
13	21.60	631.10	14.20	22.80	13.10	739.50	498.80	18.50	21.40	20.60	21.60	21.20	
14	20.50	473.60	14.40	19.10	13.60	680.70	510.00	19.40	20.30	20.60	21.00	21.40	
15	20.40	435.10	14.20	16.20	11.10	716.40	577.00	14.50	20.60	20.90	21.00	21.50	
16	20.70	305.50	13.40	14.50	405.40	586.00	524.50	3.05	21.00	21.40	22.50	21.50	
17	20.50	496.00	14.50	12.60	559.30	592.00	571.00	2.50	22.00	21.30	21.50	21.10	
18	20.70	454.00	14.70	11.30	527.40	541.90	683.80	0.64	23.50	21.40	22.80	20.20	
19	22.90	536.10	15.20	13.60	476.40	536.10	665.20	0.56	24.00	21.30	24.30	22.10	
20	23.30	556.40	15.50	12.80	465.20	541.90	622.00	4.45	20.40	20.90	22.40	21.40	
21	21.50	953.50	15.50	20.80	454.00	571.00	649.70	19.00	20.20	20.10	22.00	20.40	
22	21.20	482.00	15.10	22.90	533.20	510.00	619.00	19.60	19.80	20.60	20.00	21.20	
23	20.80	371.40	14.20	19.90	544.80	562.20	619.00	21.80	21.80	21.10	20.50	20.40	
24	21.60	298.00	13.80	14.20	473.60	607.00	589.00	21.30	21.90	21.10	20.70	20.50	
25	21.30	295.70	13.60	12.40	490.40	742.80	662.10	21.40	21.20	21.10	21.00	21.80	
26	21.00	7.55	16.00	12.20	518.70	905.40	577.00	20.40	21.20	20.90	20.60	21.30	
27	20.70	8.30	15.00	11.30	527.40	946.10	459.60	19.90	21.90	20.10	21.00	21.40	
28	20.70	15.00	14.40	9.30	556.40	794.50	17.70	20.20	21.30	20.70	22.20	21.30	
29	20.00	10.90	14.60	15.90	515.80	451.30	18.10	21.40	20.80	21.10		20.90	
30	19.70	15.40	14.50	16.10	539.00	363.60	18.90	21.00	21.10	20.70		20.60	
31		16.20		12.50	544.80		20.40		21.10	20.60		20.70	
Total	601.70	14563.95	429.60	496.60	8363.50	18166.60	19019.30	513.30	663.50	650.40	589.90	653.50	64711.85 CMSDAY
Mean	20.06	469.80	14.32	16.02	269.79	605.55	613.53	17.11	21.40	20.98	21.07	21.08	177.29 CMS
Max	23.30	953.50	16.70	22.90	559.30	946.10	1374.00	22.90	24.20	21.80	24.30	22.10	1374.00 CMS
Min	9.00	7.55	10.10	9.30	11.10	363.60	17.70	0.56	19.80	20.10	19.60	20.20	0.56 CMS
Runoff	51.99	1258.33	37.12	42.91	722.61	1569.59	1643.27	44.35	57.33	56.19	50.97	56.46	5591.10 MCM
Momentary Peak	1418.00 CMS. at 266.95 m. (MSL.) at 05.00 Hours , on Oct 4, 2022												
Runoff Yield	12.05	Liters/Second/Square KM.			Momentary Peak Yield		96.34	Liters/Second/Square KM.					

WATER YEAR : 2022**PING RIVER BASIN****Ping River at Ban Sop Pae , Chiang Mai (P.73A)**

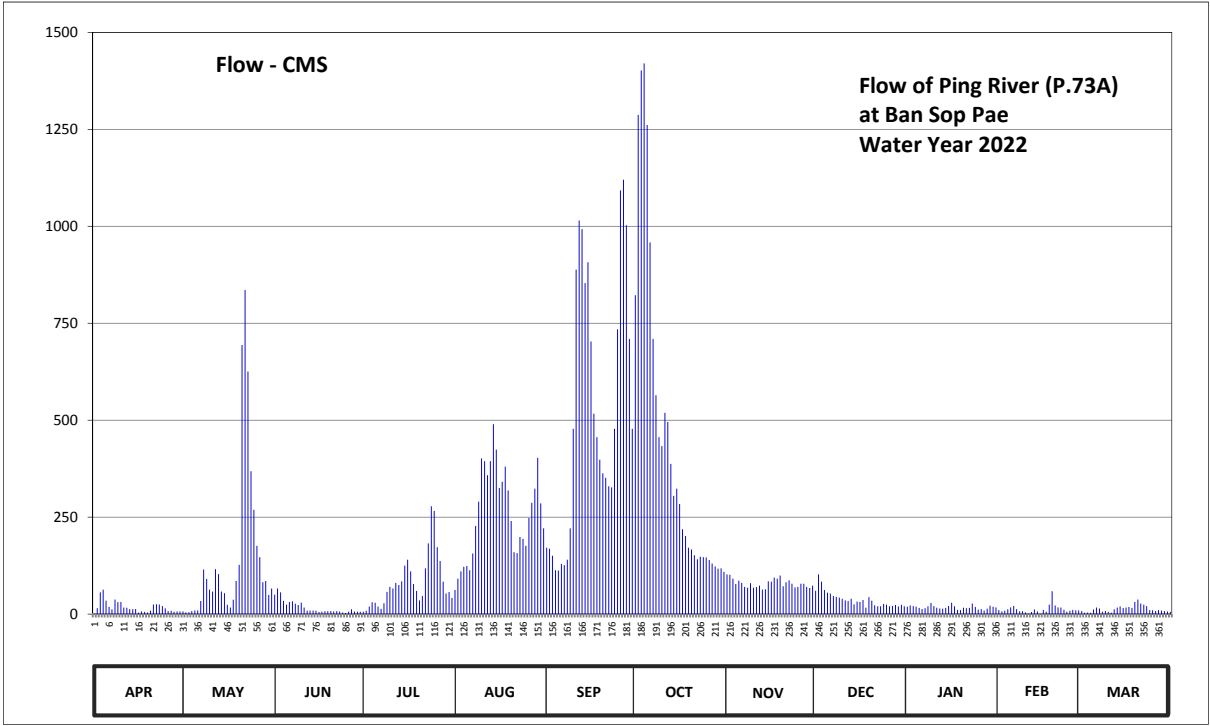
Lat 18 - 15 - 09 N Long 98 - 38 - 03 E

Location : on right bank at Ban Sop Pae.

	Ban Sop Pae	Amphoe Chom Thong	Changwat Chiang Mai
Drainge Area	14,779 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+257.670 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 15 meters from the abutment of the bridge.	Elevation	+267.505 m. (MSL.)
Gage Reading Frequency	Recording.		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2017 to date		
Rating Operation			
Period of Rating	2017 to date		
Rated by Float	-		
Rated by Current Meter	2017 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 27 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

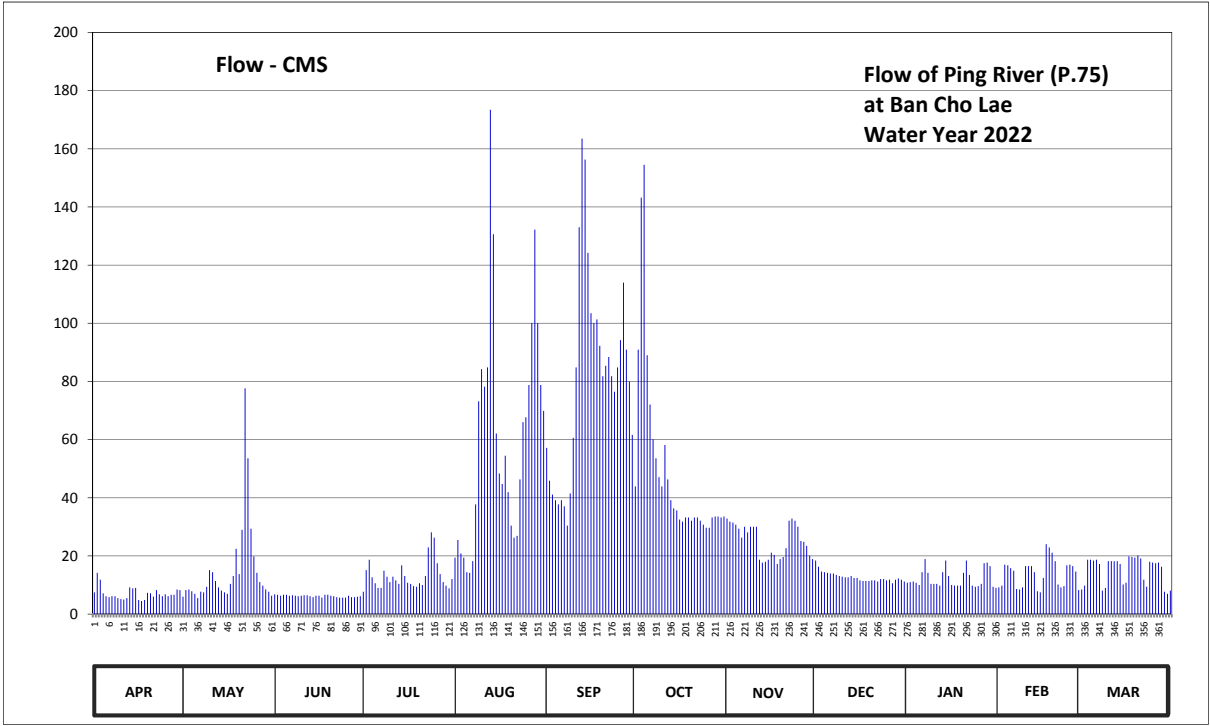
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	257.27	257.57	258.50	257.54	258.68	259.81	263.41	259.17	258.65	257.93	257.68	257.59	
2	257.82	257.47	258.73	257.63	259.05	259.79	265.29	259.16	259.17	257.99	257.57	257.43	
3	258.59	257.48	258.59	257.93	259.25	259.63	265.73	259.05	258.96	257.96	257.62	257.45	
4	258.69	257.60	258.23	258.16	259.37	259.28	265.80	258.88	258.68	257.93	257.74	257.40	
5	258.24	257.65	258.04	258.14	259.39	259.27	265.19	258.99	258.58	257.84	257.88	257.73	
6	257.91	257.66	258.18	257.93	259.28	259.44	263.99	258.92	258.54	257.77	257.97	257.86	
7	257.74	258.22	258.21	257.78	259.68	259.41	262.91	258.79	258.45	257.82	257.76	257.80	
8	258.29	259.30	258.09	258.12	260.26	259.54	262.24	258.76	258.42	257.95	257.58	257.53	
9	258.17	259.04	258.02	258.61	260.70	260.21	261.69	258.91	258.39	258.13	257.58	257.59	
10	258.18	258.69	258.15	258.79	261.38	261.81	261.56	258.76	258.33	257.96	257.46	257.52	
11	257.86	258.62	257.86	258.73	261.34	263.70	262.02	258.78	258.25	257.85	257.31	257.43	
12	257.85	259.31	257.62	258.92	261.13	264.22	261.90	258.83	258.22	257.80	257.50	257.74	
13	257.75	259.18	257.64	258.85	261.34	264.13	261.30	258.69	258.33	257.79	257.73	257.87	
14	257.75	258.62	257.64	258.97	261.87	263.55	260.80	258.70	258.06	257.84	257.56	257.94	
15	257.77	258.56	257.63	259.40	261.51	263.78	260.92	258.97	258.19	257.97	257.30	257.83	
16	257.45	258.03	257.51	259.54	260.93	262.88	260.66	258.96	258.18	258.14	257.69	257.86	
17	257.56	257.86	257.54	259.25	261.03	262.01	260.19	259.08	258.27	257.95	257.53	257.91	
18	257.52	258.28	257.58	258.88	261.26	261.69	260.05	259.05	257.85	257.69	258.04	257.84	
19	257.45	258.98	257.58	258.64	260.89	261.36	259.81	259.14	258.41	257.68	258.63	258.18	
20	257.63	259.42	257.59	258.25	260.36	261.16	259.77	258.81	258.24	257.85	257.99	258.29	
21	258.05	262.84	257.57	258.46	259.71	261.09	259.64	258.94	258.00	257.82	257.88	258.10	
22	258.07	263.47	257.59	259.33	259.69	260.96	259.55	259.00	257.95	257.84	257.86	258.04	
23	258.05	262.53	257.55	259.90	260.03	260.94	259.61	258.89	257.95	258.10	257.71	257.96	
24	257.96	261.19	257.45	260.62	259.99	261.81	259.60	258.77	258.08	257.91	257.53	257.68	
25	257.81	260.56	257.39	260.54	259.85	263.02	259.59	258.79	258.04	257.72	257.62	257.67	
26	257.59	259.85	257.53	259.82	260.42	264.53	259.53	258.89	257.95	257.75	257.70	257.61	
27	257.63	259.60	257.74	259.51	260.68	264.64	259.45	258.89	257.97	257.64	257.67	257.68	
28	257.53	258.94	257.55	258.96	260.92	264.17	259.38	258.79	258.02	257.79	257.66	257.64	
29	257.56	258.98	257.54	258.55	261.39	262.91	259.32	258.75	257.94	257.98		257.59	
30	257.57	258.49	257.54	258.60	260.67	261.81	259.33	258.83	258.03	257.92		257.55	
31		258.73		258.37	260.21		259.24		257.95	257.88		257.52	
Mean	257.84	259.12	257.81	258.80	260.40	261.75	261.27	258.90	258.26	257.88	257.71	257.74	
Max	258.69	263.47	258.73	260.62	261.87	264.64	265.80	259.17	259.17	258.14	258.63	258.29	265.80
Min	257.27	257.47	257.39	257.54	258.68	259.27	259.24	258.69	257.85	257.64	257.30	257.40	257.27
Annual Max Momentary Gage Height	265.92		m. (MSL.) ,			at 03.00 Hours ,	on Oct 4, 2022						
Zero Gage at Bottom Elevation		257.67	m. (MSL.) ,			River Bed	254.95	m. (MSL.)					
Left Bank Elevation		267.39	m. (MSL.) ,										
Right Bank Elevation		267.41	m. (MSL.) ,			Drainage Are	14,779	Square Kilometers					

**Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023**

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.98	7.09	50.00	6.28	62.40	171.25	822.25	102.30	60.30	19.49	10.22	7.63		
2	15.16	4.57	65.96	8.77	91.50	168.85	1287.40	101.40	102.30	22.07	7.09	3.73		
3	56.12	4.78	56.12	19.49	110.00	150.45	1401.80	91.50	83.80	20.78	8.48	4.15		
4	63.10	7.90	34.15	30.34	122.00	113.00	1420.00	77.40	62.40	19.49	12.24	3.10		
5	34.70	9.35	24.34	29.26	124.00	112.00	1261.40	86.20	55.44	15.92	17.44	11.88		
6	18.63	9.64	31.42	19.49	113.00	129.40	958.55	80.60	52.72	13.32	21.21	16.68		
7	12.24	33.60	33.05	13.68	156.20	126.10	709.75	70.28	46.50	15.16	12.96	14.40		
8	37.45	115.00	26.64	28.18	227.50	140.40	564.40	68.12	44.40	20.35	7.36	6.01		
9	30.88	90.60	23.42	57.50	290.00	221.25	456.20	79.80	42.50	28.72	7.36	7.63		
10	31.42	63.10	29.80	70.28	401.50	477.95	433.00	68.12	39.50	20.78	4.36	5.74		
11	16.68	58.20	16.68	65.96	394.50	888.50	519.10	69.56	35.25	16.30	1.57	3.73		
12	16.30	116.00	8.48	80.60	358.10	1015.00	495.50	73.40	33.60	14.40	5.20	12.24		
13	12.60	103.20	9.06	75.00	394.50	992.85	387.50	63.10	39.50	14.04	11.88	17.06		
14	12.60	58.20	9.06	84.60	489.65	853.75	305.00	63.80	25.26	15.92	6.82	19.92		
15	13.32	54.08	8.77	125.00	424.25	907.30	323.60	84.60	31.96	21.21	1.40	15.54		
16	4.15	23.88	5.47	140.40	325.15	703.00	284.00	83.80	31.42	29.26	10.51	16.68		
17	6.82	16.68	6.28	110.00	341.10	517.05	218.75	94.20	36.35	20.35	6.01	18.63		
18	5.74	36.90	7.36	77.40	380.50	456.20	201.25	91.50	16.30	10.51	24.34	15.92		
19	4.15	85.40	7.36	59.60	318.95	398.00	171.25	99.60	43.70	10.22	58.90	31.42		
20	8.77	127.20	7.63	35.25	240.00	363.20	166.55	71.80	34.70	16.30	22.07	37.45		
21	24.80	694.00	7.09	47.20	159.65	351.30	151.60	82.20	22.50	15.16	17.44	27.10		
22	25.72	835.75	7.63	118.00	157.35	329.80	141.50	87.00	20.35	15.92	16.68	24.34		
23	24.80	625.30	6.55	182.50	198.75	326.70	148.15	78.20	20.35	27.10	11.16	20.78		
24	20.78	368.30	4.15	278.00	193.75	477.95	147.00	68.84	26.18	18.63	6.01	10.22		
25	14.78	269.00	2.93	266.00	176.25	734.50	145.90	70.28	24.34	11.52	8.48	9.93		
26	7.63	176.25	6.01	172.50	248.00	1092.50	139.30	78.20	20.35	12.60	10.80	8.19		
27	8.77	147.00	12.24	137.10	287.00	1120.00	130.50	78.20	21.21	9.06	9.93	10.22		
28	6.01	82.20	6.55	83.80	323.60	1002.65	123.00	70.28	23.42	14.04	9.64	9.06		
29	6.82	85.40	6.28	53.40	403.25	709.75	117.00	67.40	19.92	21.64		7.63		
30	7.09	49.30	6.28	56.80	285.50	477.95	118.00	73.40	23.88	19.06		6.55		
31		65.96		41.50	221.25		109.00		20.35	17.44		5.74		
Total	549.01	4423.83	526.76	2573.88	8019.15	15528.60	13858.20	2375.08	1160.75	546.76	347.56	409.30	50318.88	CMSDAY
Mean	18.30	142.70	17.56	83.03	258.68	517.62	447.04	79.17	37.44	17.64	12.41	13.20	137.86	CMS
Max	63.10	835.75	65.96	278.00	489.65	1120.00	1420.00	102.30	102.30	29.26	58.90	37.45	1420.00	CMS
Min	0.98	4.57	2.93	6.28	62.40	112.00	109.00	63.10	16.30	9.06	1.40	3.10	0.98	CMS
Runoff	47.43	382.22	45.51	222.38	692.85	1341.67	1197.35	205.21	100.29	47.24	30.03	35.36	4347.55	MCM
Momentary Peak 1451.20 CMS. at 265.92 m. (MSL.) at 03.00 Hours , on Oct 4, 2022														
Runoff Yield	9.26	Liters/Second/Square KM.				Momentary Peak Yield 97.48				Liters/Second/Square KM.				

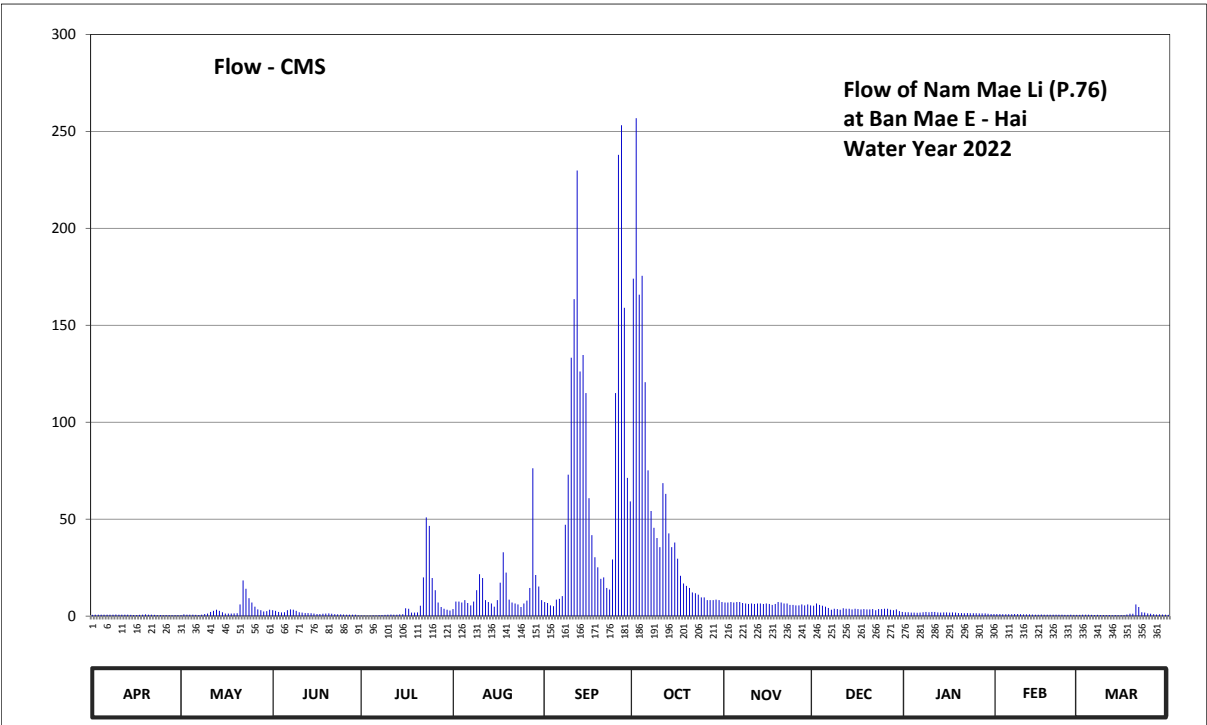
	Ban Cho Lae	Amphoe Mae Teang	Changwat Chiang Mai
Drainage Area	2,920 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+337.600 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 3 meters from the top staff gage.		Elevation +341.805 m. (MSL.)
Gage Reading Frequency	Recording.		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1998 to date		
Rating Operation			
Period of Rating	1998 to date		
Rated by Float	-		
Rated by Current Meter	1999 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 37 discharge measurements made in 2022.		

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	338.00	337.91	337.96	338.01	338.55	339.62	339.31	339.01	338.51	338.17	338.09	338.05	
	2	338.33	338.04	337.95	338.37	338.78	339.36	340.23	338.98	338.42	338.18	338.12	338.12	
	3	338.22	338.05	337.93	338.52	338.61	339.24	340.92	338.97	338.35	338.19	338.45	338.52	
	4	337.98	338.02	337.95	338.26	338.55	339.19	341.05	338.95	338.34	338.17	338.44	338.52	
	5	337.92	337.97	337.95	338.16	338.34	339.15	340.20	338.91	338.33	338.13	338.40	338.51	
	6	337.90	337.88	337.93	338.08	338.33	339.19	339.91	338.81	338.32	338.34	338.36	338.52	
	7	337.92	338.01	337.94	338.08	338.50	339.13	339.68	338.93	338.32	338.53	338.06	338.46	
	8	337.92	338.00	337.93	338.36	339.15	338.94	339.54	338.87	338.30	338.33	338.05	338.03	
	9	337.88	338.10	337.92	338.27	339.93	339.25	339.39	338.93	338.28	338.15	338.09	338.08	
	10	337.86	338.37	337.93	338.18	340.12	339.69	339.31	338.93	338.27	338.15	338.43	338.50	
	11	337.85	338.34	337.94	338.27	340.02	340.13	339.64	338.93	338.26	338.15	338.43	338.50	
	12	337.88	338.20	337.94	338.21	340.13	340.80	339.37	338.52	338.26	338.12	338.43	338.50	
	13	338.09	338.09	337.92	338.15	341.26	341.15	339.19	338.48	338.28	338.34	338.34	338.50	
	14	338.07	338.03	337.90	338.44	340.77	341.07	339.11	338.49	338.25	338.51	338.02	338.46	
	15	338.08	338.00	337.93	338.28	339.72	340.69	339.09	338.52	338.25	338.28	338.00	338.14	
	16	337.84	337.97	337.93	338.17	339.42	340.42	339.00	338.62	338.21	338.13	338.25	338.17	
	17	337.82	338.15	337.89	338.15	339.33	340.37	338.98	338.59	338.20	338.12	338.73	338.57	
	18	337.84	338.28	337.95	338.11	339.56	340.39	339.02	338.46	338.20	338.12	338.69	338.56	
	19	337.99	338.67	337.95	338.10	339.26	340.25	339.02	338.53	338.20	338.12	338.62	338.55	
	20	337.98	338.31	337.93	338.16	338.94	340.08	338.99	338.56	338.21	338.33	338.50	338.58	
	21	337.91	338.90	337.92	338.13	338.81	340.14	339.02	338.68	338.21	338.51	338.14	338.54	
	22	338.04	340.01	337.90	338.28	338.83	340.19	339.02	338.99	338.19	338.30	338.09	338.22	
	23	337.96	339.54	337.89	338.69	339.37	340.08	338.99	339.01	338.23	338.12	338.11	338.10	
	24	337.92	338.91	337.89	338.87	339.80	339.99	338.95	338.99	338.23	338.10	338.44	338.49	
	25	337.96	338.57	337.89	338.81	339.83	340.13	338.92	338.93	338.21	338.11	338.45	338.48	
	26	337.92	338.33	337.93	338.47	340.03	340.28	338.92	338.77	338.22	338.15	338.43	338.47	
	27	337.95	338.18	337.90	338.31	340.37	340.56	339.0						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	7.50	5.97	6.82	7.69	19.40	57.18	43.90	32.85	18.44	10.80	9.21	8.45		
2	14.19	8.26	6.65	15.11	25.44	45.90	90.95	31.80	16.28	11.00	9.80	9.80		
3	11.82	8.45	6.31	18.68	20.86	41.10	143.20	31.45	14.65	11.20	17.00	18.68		
4	7.16	7.88	6.65	12.66	19.40	39.15	154.50	30.75	14.42	10.80	16.76	18.68		
5	6.14	6.99	6.65	10.60	14.42	37.75	89.00	29.35	14.19	10.00	15.80	18.44		
6	5.80	5.48	6.31	9.02	14.19	39.15	72.05	26.30	13.96	14.42	14.88	18.68		
7	6.14	7.69	6.48	9.02	18.20	37.05	60.12	30.05	13.96	18.92	8.64	17.24		
8	6.14	7.50	6.31	14.88	37.75	30.40	53.59	28.10	13.50	14.19	8.45	8.07		
9	5.48	9.40	6.14	12.87	73.15	41.50	47.10	30.05	13.08	10.40	9.21	9.02		
10	5.16	15.11	6.31	11.00	84.20	60.61	43.90	30.05	12.87	10.40	16.52	18.20		
11	5.00	14.42	6.48	12.87	78.20	84.80	58.16	30.05	12.66	10.40	16.52	18.20		
12	5.48	11.40	6.48	11.61	84.80	133.00	46.30	18.68	12.66	9.80	16.52	18.20		
13	9.21	9.21	6.14	10.40	173.40	163.50	39.15	17.72	13.08	14.42	14.42	18.20		
14	8.83	8.07	5.80	16.76	130.60	156.30	36.35	17.96	12.45	18.44	7.88	17.24		
15	9.02	7.50	6.31	13.08	62.08	124.20	35.65	18.68	12.45	13.08	7.50	10.20		
16	4.84	6.99	6.31	10.80	48.37	103.50	32.50	21.12	11.61	10.00	12.45	10.80		
17	4.52	10.40	5.64	10.40	44.70	100.05	31.80	20.36	11.40	9.80	24.04	19.88		
18	4.84	13.08	6.65	9.60	54.46	101.35	33.20	17.24	11.40	9.80	22.94	19.64		
19	7.33	22.42	6.65	9.40	41.90	92.25	33.20	18.92	11.40	9.80	21.12	19.40		
20	7.16	13.73	6.31	10.60	30.40	81.80	32.15	19.64	11.61	14.19	18.20	20.12		
21	5.97	29.00	6.14	10.00	26.30	85.40	33.20	22.68	11.61	18.44	10.20	19.16		
22	8.26	77.60	5.80	13.08	26.90	88.40	33.20	32.15	11.20	13.50	9.21	11.82		
23	6.82	53.59	5.64	22.94	46.30	81.80	32.15	32.85	12.03	9.80	9.60	9.40		
24	6.14	29.35	5.64	28.10	66.00	76.45	30.75	32.15	12.03	9.40	16.76	17.96		
25	6.82	19.88	5.64	26.30	67.65	84.80	29.70	30.05	11.61	9.60	17.00	17.72		
26	6.14	14.19	6.31	17.48	78.80	94.20	29.70	25.16	11.82	10.40	16.52	17.48		
27	6.65	11.00	5.80	13.73	100.05	114.00	33.20	24.88	10.60	17.48	14.65	17.72		
28	6.65	9.80	5.80	11.00	132.20	90.95	33.55	23.48	11.82	17.72	8.26	16.28		
29	8.45	8.45	5.97	9.80	100.05	80.00	33.55	20.12	12.24	16.52		7.69		
30	8.26	7.69	6.14	8.83	78.80	61.59	33.20	18.92	11.82	9.40		6.99		
31		6.31		12.03	69.85		33.55		11.20	9.02		8.07		
Total	211.92	466.81	186.28	410.34	1868.82	2428.13	1532.52	763.56	394.05	383.14	390.06	467.43	9503.06	CMSDAY
Mean	7.06	15.06	6.21	13.24	60.28	80.94	49.44	25.45	12.71	12.36	13.93	15.08	26.04	CMS
Max	14.19	77.60	6.82	28.10	173.40	163.50	154.50	32.85	18.44	18.92	24.04	20.12	173.40	CMS
Min	4.52	5.48	5.64	7.69	14.19	30.40	29.70	17.24	10.60	9.02	7.50	6.99	4.52	CMS
Runoff	18.31	40.33	16.09	35.45	161.47	209.79	132.41	65.97	34.05	33.10	33.70	40.39	821.06	MCM
Momentary Peak	239.65 CMS. at 341.93 m. (MSL.) at 16.00 Hours , on Aug 13, 2022													
Runoff Yield	8.43	Liters/Second/Square KM.			Momentary Peak Yield			77.61	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.64	0.46	3.08	0.34	3.62	7.25	174.00	7.00	5.34	2.00	1.10	0.64	
2	0.70	0.94	2.72	0.34	7.50	6.75	256.80	7.00	6.50	2.00	1.10	0.70	
3	0.76	0.70	2.18	0.28	7.50	5.56	165.75	7.25	5.78	1.80	1.00	0.70	
4	0.76	0.70	1.90	0.34	7.00	5.12	175.50	7.00	5.34	1.80	1.00	0.70	
5	0.76	0.70	2.00	0.37	8.25	8.50	120.60	7.25	4.90	1.70	1.00	0.64	
6	0.70	0.64	3.08	0.37	6.75	8.87	75.15	7.25	4.24	1.80	1.00	0.58	
7	0.76	0.58	3.44	0.46	5.56	10.35	54.25	6.75	3.26	2.00	1.10	0.64	
8	0.76	0.76	3.26	0.58	7.50	47.10	45.52	6.50	3.80	2.18	1.10	0.58	
9	0.82	1.10	2.72	0.64	13.34	72.95	40.30	6.25	3.62	2.00	1.00	0.58	
10	0.76	1.30	2.00	0.70	21.60	133.23	35.60	6.50	3.26	2.18	0.94	0.58	
11	0.76	2.18	1.80	0.82	19.60	163.50	68.55	6.25	4.02	2.18	0.88	0.58	
12	0.70	2.72	1.60	0.70	8.25	229.80	63.05	6.50	3.80	1.90	0.88	0.52	
13	0.70	3.26	1.60	0.70	7.25	126.20	42.68	6.50	3.80	1.80	0.82	0.58	
14	0.64	2.72	1.50	0.88	6.50	134.68	35.60	6.25	3.44	1.90	0.76	0.52	
15	0.58	2.00	1.30	1.00	4.90	115.00	37.93	6.50	3.80	1.90	0.76	0.52	
16	0.58	1.30	1.10	4.02	8.25	60.85	29.60	6.25	3.62	1.80	0.82	0.52	
17	0.64	1.30	1.10	3.80	17.20	41.73	20.80	5.78	3.44	1.90	0.70	0.82	
18	0.70	1.30	1.20	1.80	32.90	30.40	16.80	6.25	3.62	1.80	0.76	1.20	
19	0.94	1.40	1.30	1.80	22.40	25.20	15.62	7.25	3.44	1.60	0.70	1.20	
20	0.76	1.50	1.40	1.90	8.50	19.20	14.48	7.00	3.44	1.60	0.70	6.00	
21	0.70	6.00	1.20	5.34	7.00	20.00	12.20	6.50	3.62	1.50	0.70	4.68	
22	0.64	18.40	1.00	20.00	6.50	14.48	11.83	6.50	3.08	1.60	0.70	2.00	
23	0.52	14.10	0.94	50.95	6.00	13.72	11.09	5.78	3.62	1.50	0.70	1.80	
24	0.58	9.24	0.88	46.55	4.68	29.20	9.61	5.78	3.62	1.50	0.64	1.40	
25	0.52	7.00	0.82	19.60	6.50	115.00	9.61	5.56	3.80	1.50	0.64	1.20	
26	0.58	4.90	0.76	13.34	8.00	237.90	8.25	5.56	3.80	1.40	0.70	1.00	
27	0.46	3.44	0.76	7.00	14.48	253.20	8.25	6.00	3.26	1.40	0.64	0.82	
28	0.52	3.08	0.76	4.68	76.25	159.00	8.25	5.56	3.08	1.40	0.64	0.88	
29	0.46	2.36	0.76	3.80	21.20	71.30	8.50	6.00	3.44	1.20		0.82	
30	0.46	2.54	0.40	3.26	15.24	59.20	8.25	5.56	2.54	1.10		0.70	
31		3.26		2.90	8.25		7.25		2.18	1.10		0.64	
Total	19.86	101.88	48.56	199.26	398.47	2225.24	1591.67	192.08	118.50	53.04	23.48	34.74	5006.78 CMSDAY
Mean	0.66	3.29	1.62	6.43	12.85	74.17	51.34	6.40	3.82	1.71	0.84	1.12	13.72 CMS
Max	0.94	18.40	3.44	50.95	76.25	253.20	256.80	7.25	6.50	2.18	1.10	6.00	256.80 CMS
Min	0.46	0.46	0.40	0.28	3.62	5.12	7.25	5.56	2.18	1.10	0.64	0.52	0.28 CMS
Runoff	1.72	8.80	4.20	17.22	34.43	192.26	137.52	16.60	10.24	4.58	2.03	3.00	432.59 MCM
Momentary Peak	341.80 CMS. at 369.98 m. (MSL.) at 05.00 Hours , on Oct 2, 2022												
Runoff Yield	8.88	Liters/Second/Square KM.		Momentary Peak Yield		221.37	Liters/Second/Square KM.						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.92	0.24	6.80	10.06	72.33	4.10	3.20	0.76	1.50	0.72		
2	0.00	0.00	1.90	0.20	5.20	5.00	36.85	4.10	3.56	0.84	1.30	0.00		
3	0.00	0.00	1.10	0.20	8.00	2.96	27.20	4.10	3.56	0.80	0.96	0.00		
4	0.00	0.00	0.96	0.20	6.60	2.24	30.00	4.28	3.38	0.80	0.92	0.00		
5	0.00	0.00	0.88	0.20	7.75	2.72	26.80	4.10	3.20	0.72	0.84	0.00		
6	0.00	0.00	0.64	0.20	9.00	10.90	26.80	3.92	3.08	0.68	0.84	0.00		
7	0.00	0.96	0.54	0.20	10.06	5.40	16.85	4.10	2.96	0.68	0.84	0.00		
8	0.00	1.40	0.54	0.20	23.72	6.00	12.88	4.28	2.84	0.72	0.84	0.00		
9	0.00	1.00	0.51	0.12	40.18	14.04	11.74	4.82	2.72	0.72	0.84	0.00		
10	0.00	0.84	0.45	0.30	26.00	24.10	12.59	4.46	2.72	0.72	0.84	0.00		
11	0.00	4.28	0.39	0.51	14.04	34.48	18.50	4.28	2.48	0.68	0.84	0.00		
12	0.00	2.12	0.36	0.45	17.18	47.25	11.18	3.92	2.36	0.68	0.84	0.00		
13	0.00	0.68	0.39	0.51	20.72	36.85	8.75	3.92	2.24	0.68	0.84	0.00		
14	0.00	0.72	0.33	6.00	19.98	29.60	10.06	3.74	2.12	0.68	0.84	0.00		
15	0.00	0.80	0.36	15.20	10.62	17.84	9.50	3.92	1.80	0.68	0.84	0.00		
16	0.00	0.76	0.33	7.25	16.52	14.62	8.00	3.74	1.70	0.68	0.88	0.00		
17	0.00	0.76	0.28	2.60	19.98	10.06	7.25	4.46	1.70	0.68	1.40	0.00		
18	0.00	0.80	0.30	0.92	14.33	12.59	7.00	3.92	1.50	0.68	1.20	0.00		
19	0.00	0.76	0.28	1.50	8.50	13.75	5.40	6.60	1.50	0.64	0.84	0.00		
20	0.00	1.40	0.26	0.84	5.40	9.50	5.20	4.82	1.30	0.60	0.84	0.00		
21	0.00	16.85	0.26	5.80	5.40	21.09	4.64	4.82	1.40	1.20	0.84	0.00		
22	0.00	29.60	0.24	10.06	29.20	9.78	4.64	4.46	1.40	1.40	0.84	0.00		
23	0.00	9.78	0.26	20.72	20.35	10.62	5.20	3.56	1.50	1.40	0.84	0.00		
24	0.00	4.64	0.24	13.46	10.34	29.20	5.60	3.92	1.30	0.96	0.80	0.00		
25	0.00	2.36	0.22	8.25	32.80	58.68	4.82	3.38	1.40	1.10	0.72	0.00		
26	0.00	1.70	0.18	4.46	35.90	42.55	4.46	3.56	1.30	1.40	0.72	0.00		
27	0.00	1.10	0.18	2.48	19.61	39.70	4.46	4.28	1.20	1.80	0.72	0.00		
28	0.00	0.92	0.18	2.00	12.30	28.00	4.28	3.92	0.92	2.36	0.72	0.00		
29	0.00	0.76	0.18	0.96	8.75	16.85	4.64	3.20	0.80	3.74		0.00		
30	0.00	0.76	0.20	1.00	6.00	19.98	5.20	3.20	0.68	5.60		0.00		
31		1.30		4.28	5.40		5.00		0.68	4.64		0.00		
Total	0.00	87.05	13.86	111.31	476.63	586.41	417.82	123.88	62.50	39.72	25.28	0.72	1945.18	CMSDAY
Mean	0.00	2.81												

WATER YEAR : 2022**PING RIVER BASIN****Khleng Khlung at Ban Sam Ruean , Kamphaeng Phet (P.78)**

Lat 16 - 10 - 54 N Long 99 - 35 - 54 E

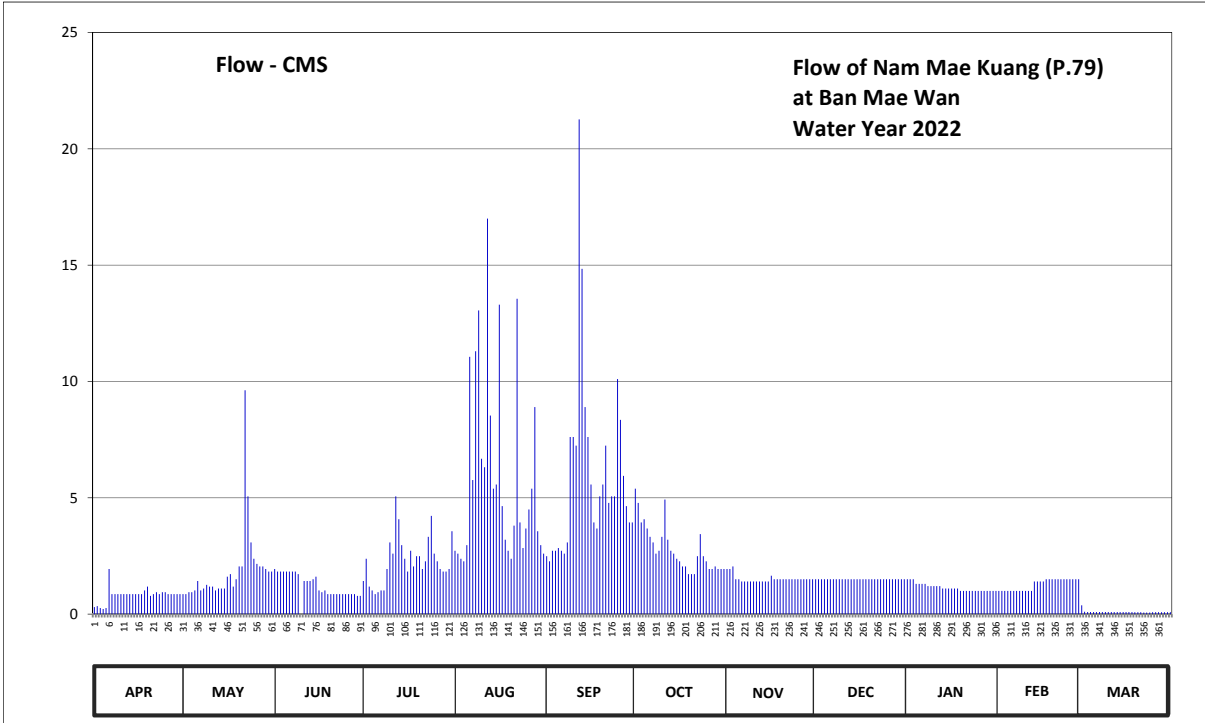
Location : on left bank at Ban Sam Ruean.

	Ban	Sam Ruean	Amphoe	Khleng Khlung	Changwat	Kamphaeng Phet
Drainage Area	1,109	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+65.177	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the gage site.					Elevation +73.494 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	2005 to date					
Rating Operation						
Period of Rating	2005 to date					
Rated by Float	-					
Rated by Current Meter	2005 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 20 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

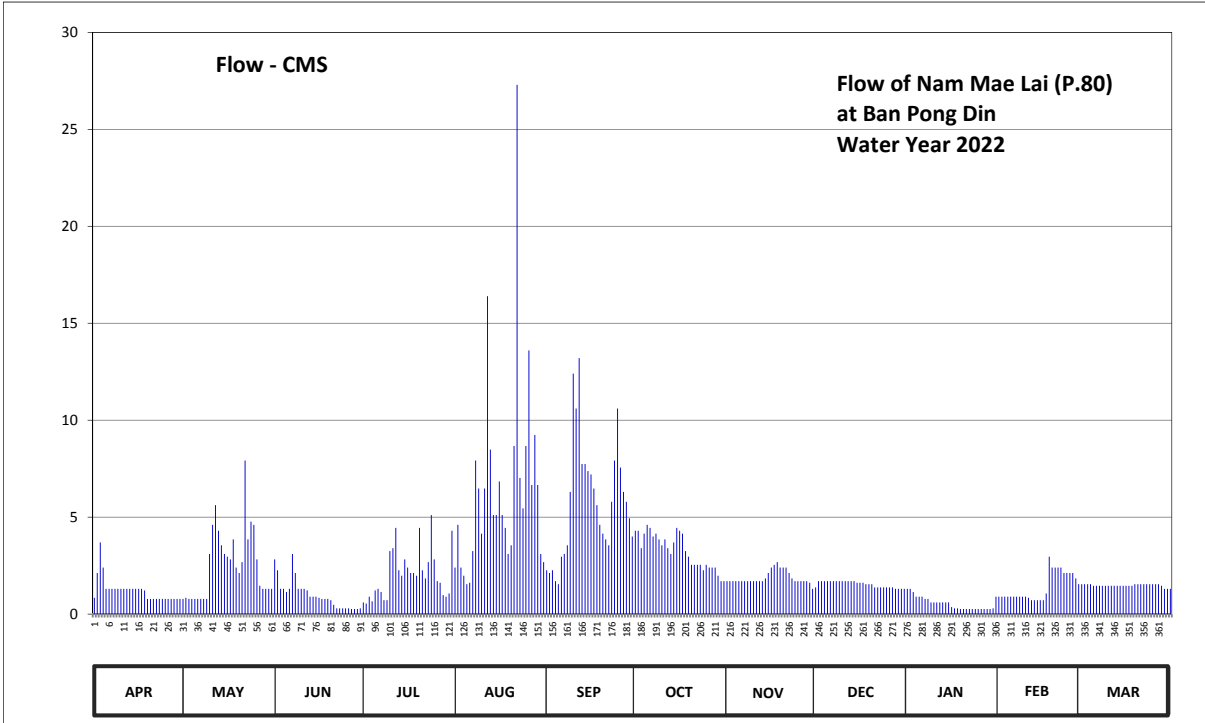
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	66.58	66.75	67.20	67.33	67.14	67.86	70.99	67.15	67.16	66.51	66.42	66.38	
2	66.58	66.75	67.18	67.22	67.20	67.82	70.84	67.11	67.14	66.50	66.41	66.38	
3	66.59	66.75	67.15	67.18	67.26	67.73	70.68	67.04	67.11	66.49	66.40	66.38	
4	66.59	66.76	67.14	67.12	67.35	67.68	70.50	66.96	67.08	66.48	66.39	66.38	
5	66.60	66.77	67.13	67.03	67.48	67.68	70.39	66.90	67.04	66.48	66.38	66.38	
6	66.60	66.78	67.13	66.94	67.67	67.65	70.28	66.87	67.01	66.47	66.38	66.38	
7	66.61	66.78	67.13	66.84	67.84	67.63	70.14	66.85	66.96	66.46	66.38	66.38	
8	66.62	66.78	67.37	66.76	67.66	67.62	70.03	66.83	66.90	66.46	66.38	66.38	
9	66.62	66.79	67.32	66.70	67.75	67.59	69.83	66.81	66.85	66.45	66.38	66.38	
10	66.63	66.80	67.13	66.62	67.64	67.58	69.64	66.80	66.84	66.44	66.38	66.38	
11	66.63	66.83	67.15	66.58	67.51	67.56	69.53	66.78	66.81	66.44	66.38	66.38	
12	66.64	66.85	67.21	66.58	67.42	67.61	69.39	66.76	66.79	66.44	66.38	66.38	
13	66.64	66.85	67.29	66.57	67.36	67.68	69.24	66.74	66.76	66.44	66.38	66.38	
14	66.65	66.88	67.35	66.57	67.34	67.80	69.06	66.70	66.71	66.44	66.38	66.38	
15	66.66	66.91	67.44	66.63	67.40	67.89	68.86	66.66	66.68	66.44	66.38	66.38	
16	66.66	66.95	67.52	66.72	67.35	68.00	68.72	66.63	66.65	66.44	66.38	66.38	
17	66.67	67.00	67.24	66.80	67.33	68.12	68.60	66.62	66.60	66.44	66.38	66.38	
18	66.68	67.05	67.16	66.87	67.32	68.22	68.48	66.61	66.57	66.44	66.38	66.38	
19	66.68	67.10	67.13	66.95	67.30	68.38	68.38	66.60	66.53	66.43	66.38	66.38	
20	66.68	67.15	67.13	67.00	67.28	68.64	68.32	66.59	66.51	66.43	66.38	66.38	
21	66.69	67.22	67.13	67.12	67.26	68.84	68.20	66.58	66.51	66.43	66.38	66.38	
22	66.70	67.33	67.13	67.22	67.24	69.13	68.03	66.57	66.51	66.43	66.38	66.38	
23	66.71	67.47	67.13	67.18	67.30	69.43	67.90	66.56	66.51	66.43	66.38	66.38	
24	66.71	67.55	67.13	67.17	67.37	69.94	67.74	66.55	66.51	66.43	66.38	66.38	
25	66.72	67.58	67.13	67.16	67.42	70.73	67.56	66.54	66.51	66.43	66.38	66.38	
26	66.73	67.53	67.20	67.16	67.50	71.17	67.42	66.53	66.52	66.43	66.38	66.38	
27	66.74	67.49	67.48	67.16	67.55	71.49	67.33	66.52	66.52	66.43	66.38	66.38	
28	66.74	67.41	68.06	67.15	67.61	71.13	67.28	66.53	66.52	66.43	66.38	66.38	
29	66.75	67.35	68.57	67.15	67.73	71.05	67.22	67.02	66.52	66.43		66.38	
30	66.75	67.29	68.24	67.14	67.84	71.02	67.17	66.89	66.52	66.43		66.38	
31		67.23		67.13	67.89		67.16		66.52	66.43		66.38	
Mean	66.66	67.06	67.32	66.96	67.46	68.69	68.87	66.74	66.72	66.45	66.38	66.38	
Max	66.75	67.58	68.57	67.33	67.89	71.49	70.99	67.15	67.16	66.51	66.42	66.38	71.49
Min	66.58	66.75	67.13	66.57	67.14	67.56	67.16	66.52	66.51	66.43	66.38	66.38	66.38
Annual Max Momentary Gage Height	71.58	m. (MSL.) ,		at 18.00 Hours , on Sep 27, 2022									
Zero Gage at Bottom Elevation	65.18	m. (MSL.) ,		River Bed		65.65	m. (MSL.)						
Left Bank Elevation	71.84	m. (MSL.) ,											
Right Bank Elevation	72.53	m. (MSL.) ,		Drainage Are		1,109	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.52	1.30	6.30	8.58	5.34	19.06	129.12	5.50	5.66	0.24	0.04	0.00	
2	0.52	1.30	5.98	6.65	6.30	18.22	121.92	4.86	5.34	0.20	0.02	0.00	
3	0.56	1.30	5.50	5.98	7.35	16.40	114.36	3.92	4.86	0.18	0.00	0.00	
4	0.56	1.36	5.34	5.02	8.93	15.40	106.10	3.00	4.44	0.16	0.00	0.00	
5	0.60	1.42	5.18	3.79	11.40	15.40	101.17	2.40	3.92	0.16	0.00	0.00	
6	0.60	1.48	5.18	2.80	15.20	14.80	96.38	2.16	3.53	0.14	0.00	0.00	
7	0.64	1.48	5.18	1.92	18.64	14.40	90.32	2.00	3.00	0.12	0.00	0.00	
8	0.68	1.48	9.28	1.36	15.00	14.20	85.59	1.84	2.40	0.12	0.00	0.00	
9	0.68	1.54	8.40	1.00	16.80	13.60	77.59	1.68	2.00	0.10	0.00	0.00	
10	0.72	1.60	5.18	0.68	14.60	13.40	70.56	1.60	1.92	0.08	0.00	0.00	
11	0.72	1.84	5.50	0.52	12.00	13.00	66.58	1.48	1.68	0.08	0.00	0.00	
12	0.76	2.00	6.48	0.52	10.20	14.00	61.58	1.36	1.54	0.08	0.00	0.00	
13	0.76	2.00	7.88	0.48	9.10	15.40	56.70	1.24	1.36	0.08	0.00	0.00	
14	0.80	2.24	8.93	0.48	8.75	17.80	50.92	1.00	1.06	0.08	0.00	0.00	
15	0.84	2.50	10.60	0.72	9.80	19.69	44.80	0.84	0.92	0.08	0.00	0.00	
16	0.84	2.90	12.20	1.12	8.93	22.00	40.76	0.72	0.80	0.08	0.00	0.00	
17	0.88	3.40	7.00	1.60	8.58	25.00	37.40	0.68	0.60	0.08	0.00	0.00	
18	0.92	4.05	5.66	2.16	8.40	27.50	34.16	0.64	0.48	0.08	0.00	0.00	
19	0.92	4.70	5.18	2.90	8.05	31.50	31.50	0.60	0.32	0.06	0.00	0.00	
20	0.92	5.50	5.18	3.40	7.70	38.52	30.00	0.56	0.24	0.06	0.00	0.00	
21	0.96	6.65	5.18	5.02	7.35	44.20	27.00	0.52	0.24	0.06	0.00	0.00	
22	1.00	8.58	5.18	6.65	7.00	53.16	22.75	0.48	0.24	0.06	0.00	0.00	
23	1.06	11.20	5.18	5.98	8.05	62.98	19.90	0.44	0.24	0.06	0.00	0.00	
24	1.06	12.80	5.18	5.82	9.28	81.93	16.60	0.40	0.24	0.06	0.00	0.00	
25	1.12	13.40	5.18	5.66	10.20	116.71	13.00	0.36	0.24	0.06	0.00	0.00	
26	1.18	12.40	6.30	5.66	11.80	138.10	10.20	0.32	0.28	0.06	0.00	0.00	
27	1.24	11.60	11.40	5.66	12.80	154.38	8.58	0.28	0.28	0.06	0.00	0.00	
28	1.24	10.00	23.50	5.50	14.00	136.10	7.70	0.32	0.28	0.06	0.00	0.00	
29	1.30	8.93	36.59	5.50	16.40	132.10	6.65	3.66	0.28	0.06		0.00	
30	1.30	7.88	28.00	5.34	18.64	130.60	5.82	2.32	0.28	0.06		0.00	
31		6.83		5.18	19.69		5.66		0.28	0.06		0.00	
Total	25.90	155.66	267.82	113.65	346.28	1429.55	1591.37	47.18	48.95	2.92	0.06	0.00	4029.34



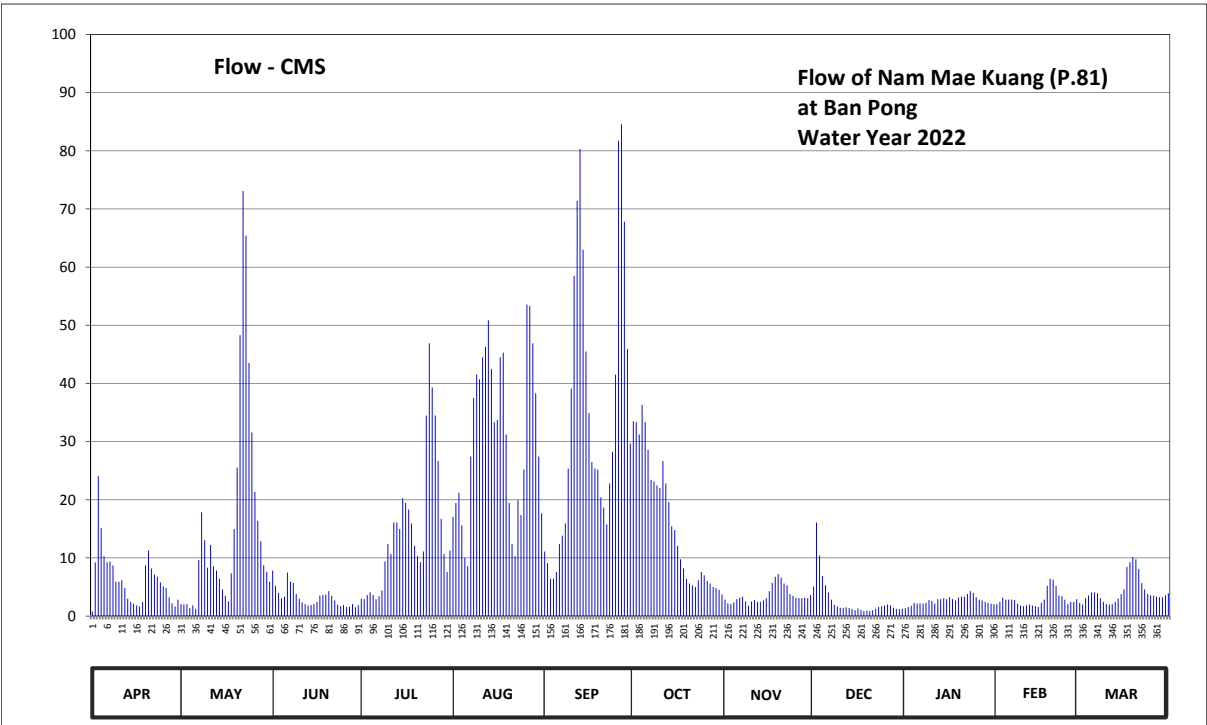
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	0.30	0.86	1.94	1.42	2.72	2.49	5.39	1.94	1.50	1.50	1.00	0.38	
	2	0.34	0.86	1.83	2.38	2.60	2.27	4.78	1.94	1.50	1.50	1.00	0.10	
	3	0.26	0.94	1.83	1.18	2.38	2.72	3.94	2.05	1.50	1.50	1.00	0.09	
	4	0.22	0.94	1.83	1.02	2.27	2.72	4.08	1.50	1.50	1.30	1.00	0.09	
	5	0.26	1.02	1.83	0.86	2.96	2.84	3.68	1.50	1.50	1.30	1.00	0.09	
	6	1.94	1.42	1.83	0.94	11.06	2.72	3.32	1.40	1.50	1.30	1.00	0.09	
	7	0.86	1.02	1.83	1.02	5.76	2.60	3.08	1.40	1.50	1.30	1.00	0.09	
	8	0.86	1.10	1.83	1.02	11.30	3.08	2.60	1.40	1.50	1.20	1.00	0.09	
	9	0.86	1.26	1.72	1.94	13.05	7.61	2.72	1.40	1.50	1.20	1.00	0.09	
	10	0.86	1.18		3.08	6.68	7.61	3.32	1.40	1.50	1.20	1.00	0.09	
	11	0.86	1.18	1.42	2.60	6.31	7.24	4.92	1.40	1.50	1.20	1.00	0.09	
	12	0.86	1.02	1.42	5.06	17.00	21.26	3.20	1.40	1.50	1.20	1.00	0.09	
	13	0.86	1.10	1.42	4.08	8.53	14.84	2.72	1.40	1.50	1.10	1.40	0.09	
	14	0.86	1.10	1.50	2.96	5.39	8.90	2.60	1.40	1.50	1.10	1.40	0.09	
	15	0.86	1.10	1.61	2.38	5.57	7.61	2.38	1.40	1.50	1.10	1.40	0.09	
	16	0.86	1.61	1.02	1.83	13.30	5.57	2.27	1.65	1.50	1.10	1.40	0.09	
	17	0.86	1.72	0.94	2.72	4.64	3.94	2.05	1.50	1.50	1.10	1.50	0.09	
	18	1.02	1.18	1.02	2.05	3.20	3.68	2.05	1.50	1.50	1.10	1.50	0.09	
	19	1.18	1.50	0.86	2.49	2.72	5.06	1.72	1.50	1.50	1.00	1.50	0.08	
	20	0.78	2.05	0.86	2.49	2.38	5.57	1.72	1.50	1.50	1.00	1.50	0.08	
	21	0.86	2.05	0.86	1.94	3.80	7.24	1.72	1.50	1.50	1.00	1.50	0.08	
	22	0.94	9.62	0.86	2.27	13.55	4.78	2.49	1.50	1.50	1.00	1.50	0.07	
	23	0.86	5.06	0.86	3.32	3.94	5.06	3.44	1.50	1.50	1.00	1.50	0.07	
	24	0.94	3.08	0.86	4.22	2.84	5.06	2.49	1.50	1.50	1.00	1.50	0.07	
	25	0.94	2.38	0.86	2.60	3.68	10.10	2.27	1.50	1.50	1.00	1.50	0.08	
	26	0.86	2.16	0.86	2.27	4.50	8.35	1.94	1.50	1.50	1.00	1.50	0.08	
	27	0.86	2.05	0.86	1.94	5.39	5.94	1.94	1.50	1.50	1.00	1.50	0.08	
	28	0.86	2.05	0.86	1.83	8.90	4.64	2.05	1.50	1.50	1.00	1.50	0.08	
	29	0.86	1.94	0.78	1.83	3.56	3.94	1.94	1.50	1.50	1.00		0.08	
	30	0.86	1.83	0.78	1.94	2.96	3.94	1.94	1.50	1.50	1.00		0.08	
	31		1.83		3.56	2.60		1.94		1.50	1.00		0.08	
Total		24.60	58.21	36.98	71.24	185.54	179.38	86.70	45.58	46.50	35.30	35.60	2.93	808.56 CMSDAY
Mean		0.82	1.88	1.28	2.30	5.99	5.98	2.80	1.52	1.50	1.14	1.27	0.09	2.22 CMS
Max		1.94	9.62	1.94	5.06	17.00	21.26	5.39	2.05	1.50	1.50	1.50	0.38	21.26 CMS
Min		0.22	0.86	0.78	0.86	2.27	2.27	1.72	1.40	1.50	1.00	1.00	0.07	0.07 CMS
Runoff		2.13	5.03	3.20	6.16	16.03	15.50	7.49	3.94	4.02	3.05	3.08	0.25	69.86 MCM
Momentary Peak			37.80	CMS.	at 443.70 m. (MSL.) at 06.00 Hours , on Aug 22, 2022									
Runoff Yield		16.41		Liters/Second/Square KM.			Momentary Peak Yield	280.00		Liters/Second/Square KM.				



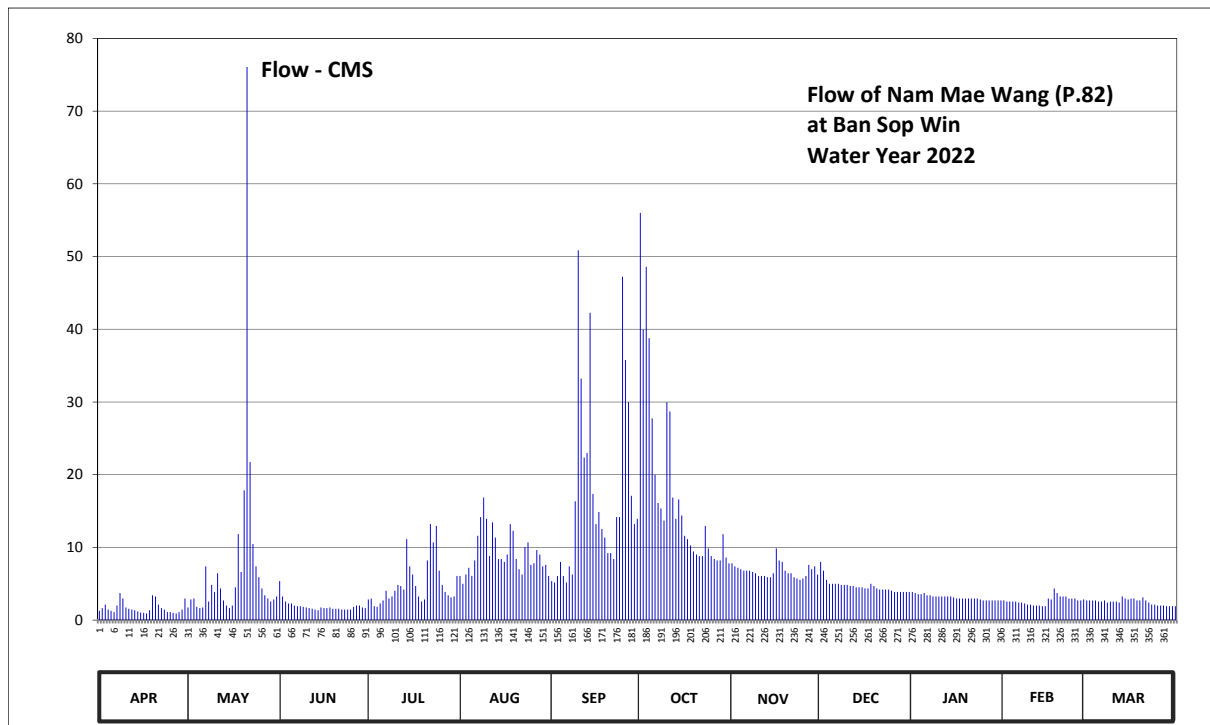
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.84	0.78	2.82	0.60	2.40	2.26	4.30	1.70	1.38	1.30	0.90	1.54		
2	2.12	0.84	2.26	0.54	4.60	2.12	4.30	1.70	1.70	1.30	0.90	1.54		
3	3.70	0.78	1.30	0.90	2.40	2.26	3.40	1.70	1.70	1.14	0.90	1.54		
4	2.40	0.78	1.30	0.66	1.98	1.70	4.15	1.70	1.70	0.90	0.90	1.54		
5	1.30	0.78	1.14	1.22	1.54	1.54	4.60	1.70	1.70	0.90	0.90	1.46		
6	1.30	0.78	1.30	1.30	1.62	2.96	4.45	1.70	1.70	0.90	0.90	1.46		
7	1.30	0.78	3.10	1.14	3.25	3.10	4.00	1.70	1.70	0.78	0.90	1.46		
8	1.30	0.78	2.12	0.72	7.92	3.55	4.15	1.70	1.70	0.78	0.90	1.46		
9	1.30	0.78	1.30	0.72	6.48	6.30	3.85	1.70	1.70	0.60	0.90	1.46		
10	1.30	3.10	1.30	3.25	4.15	12.40	3.55	1.70	1.70	0.60	0.90	1.46		
11	1.30	4.60	1.30	3.40	6.48	10.60	3.85	1.70	1.70	0.60	0.84	1.46		
12	1.30	5.62	1.22	4.45	16.40	13.20	3.40	1.70	1.70	0.60	0.72	1.46		
13	1.30	4.30	0.90	2.26	8.48	7.74	3.10	1.70	1.70	0.60	0.72	1.46		
14	1.30	3.55	0.90	1.98	5.11	7.74	3.70	1.84	1.70	0.60	0.72	1.46		
15	1.30	3.10	0.90	2.82	5.11	7.38	4.45	2.12	1.62	0.60	0.72	1.46		
16	1.30	2.96	0.84	2.40	6.84	7.20	4.30	2.40	1.62	0.36	0.72	1.46		
17	1.30	2.82	0.78	2.12	5.11	6.48	4.15	2.54	1.62	0.30	1.06	1.46		
18	1.22	3.85	0.78	2.12	4.45	5.62	3.25	2.68	1.54	0.30	2.96	1.46		
19	0.78	2.40	0.78	1.98	3.10	4.60	2.96	2.40	1.54	0.26	2.40	1.54		
20	0.78	2.12	0.72	4.45	3.55	4.15	2.54	2.40	1.54	0.26	2.40	1.54		
21	0.78	2.68	0.48	2.26	8.67	3.85	2.54	2.40	1.38	0.26	2.40	1.54		
22	0.78	7.92	0.30	1.84	27.30	3.55	2.54	2.12	1.38	0.26	2.40	1.54		
23	0.78	3.85	0.30	2.68	7.02	5.79	2.54	1.84	1.38	0.26	2.12	1.54		
24	0.78	4.77	0.30	5.11	5.45	7.92	2.26	1.70	1.38	0.26	2.12	1.54		
25	0.78	4.60	0.30	2.82	8.67	10.60	2.54	1.70	1.38	0.26	2.12	1.54		
26	0.78	2.82	0.30	1.70	13.60	7.56	2.40	1.70	1.38	0.26	2.12	1.54		
27	0.78	1.46	0.26	1.62	6.66	6.30	2.40	1.70	1.38	0.26	1.84	1.54		
28	0.78	1.30	0.26	0.98	9.24	5.79	2.40	1.70	1.30	0.26	1.54	1.46		
29	0.78	1.30	0.26	0.90	6.66	4.94	1.98	1.62	1.30	0.26		1.30		
30	0.78	1.30	0.30	1.06	3.10	4.00	1.70	1.30	1.30	0.30		1.30		
31		1.30		4.30	2.68		1.70		1.30	0.90		1.30		
Total	36.54	78.80	30.12	64.30	200.02	173.20	101.45	56.26	47.82	17.22	38.92	45.82	890.47	CMSDAY
Mean	1.22	2.54	1.00	2.07	6.45	5.77	3.27	1.88	1.54	0.56	1.39	1.48	2.44	CMS
Max	3.70	7.92	3.10	5.11	27.30	13.20	4.60	2.68	1.70	1.30	2.96	1.54	27.30	CMS
Min	0.78	0.78	0.26	0.54	1.54	1.54	1.70	1.30	1.30	0.26	0.72	1.30	0.26	CMS
Runoff	3.16	6.81	2.60	5.56	17.28	14.96	8.77	4.86	4.13	1.49	3.36	3.96	76.94	MCM
Momentary Peak	70.10	CMS. at 458.10 m. (MSL.) at 06.00 Hours , on Aug 22, 2022												
Runoff Yield	18.07	Liters/Second/Square KM.				Momentary Peak Yield				519.26	Liters/Second/Square KM.			



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.80	2.06	7.84	3.00	17.04	11.12	33.50	2.84	5.10	1.38	2.06	2.28	
2	9.24	1.99	5.20	2.92	19.44	9.11	33.33	2.20	16.08	1.57	2.44	1.99	
3	24.08	2.06	4.00	3.64	21.20	6.40	31.23	2.06	10.41	1.78	3.16	3.08	
4	15.12	1.38	3.08	4.10	15.60	6.40	36.30	2.36	6.88	2.28	2.84	3.56	
5	10.28	1.85	3.32	3.64	10.02	7.60	33.33	2.92	5.30	2.13	2.84	4.10	
6	9.24	1.26	7.48	2.92	8.59	12.40	28.56	3.16	4.10	2.20	2.84	4.10	
7	9.37	9.63	5.92	3.40	27.44	13.84	23.44	3.32	2.84	2.13	2.76	3.90	
8	8.72	17.84	5.70	4.40	37.50	15.92	23.12	2.52	1.92	2.28	2.13	3.08	
9	5.92	13.04	3.80	9.37	41.50	25.36	22.48	1.78	1.64	2.76	1.78	2.44	
10	5.92	8.33	3.00	12.40	40.70	39.10	22.00	2.52	1.44	2.60	1.71	2.06	
11	6.16	12.24	2.36	10.67	44.50	58.50	26.64	2.76	1.44	2.13	1.85	1.99	
12	4.80	8.59	2.06	16.08	46.30	71.40	22.80	2.44	1.50	2.92	1.99	2.06	
13	3.00	7.84	1.78	16.08	50.85	80.28	19.60	2.44	1.38	2.92	1.85	2.44	
14	2.44	6.40	1.92	14.96	42.50	63.00	15.44	2.68	1.20	3.08	1.71	3.00	
15	2.13	4.60	2.06	20.24	33.33	45.50	14.80	3.08	1.02	2.92	1.57	3.80	
16	1.85	3.48	2.44	19.44	33.70	34.90	12.08	4.30	1.32	3.24	2.28	4.60	
17	1.64	2.52	3.56	18.32	44.50	26.48	9.76	5.70	1.08	2.92	2.84	8.46	
18	2.44	7.36	3.64	15.92	45.30	25.36	8.20	6.76	0.85	2.68	5.20	9.24	
19	8.72	14.96	3.72	12.08	31.23	25.20	6.40	7.24	0.90	3.16	6.40	10.15	
20	11.28	25.52	4.30	10.28	19.44	20.40	5.60	6.64	0.85	3.32	6.28	9.76	
21	8.20	48.30	3.48	9.24	12.40	18.64	5.30	5.60	1.02	3.32	5.20	8.08	
22	7.12	73.08	2.68	11.12	10.28	15.76	5.00	5.30	1.26	3.80	3.56	5.70	
23	6.76	65.40	1.99	34.50	19.92	22.80	6.16	3.80	1.57	4.30	3.40	4.60	
24	5.80	43.50	1.71	46.90	17.36	28.24	7.60	3.48	1.71	4.00	2.84	3.80	
25	5.10	31.58	1.92	39.30	25.20	41.50	7.00	3.16	1.78	3.24	2.06	3.56	
26	4.80	21.36	1.57	34.50	53.55	81.72	6.04	3.08	1.99	2.84	2.44	3.48	
27	3.24	16.40	1.64	26.64	53.33	84.54	5.60	3.08	1.85	2.68	2.44	3.32	
28	2.20	12.88	2.06	16.72	46.90	67.80	5.00	3.16	1.44	2.44	2.92	3.24	
29	1.64	8.72	1.50	10.67	38.30	45.90	4.80	3.08	1.26	2.28		3.24	
30	2.84	7.60	1.85	7.60	27.44	29.68	4.50	3.64	1.20	2.13		3.56	
31		5.92		11.28	17.68		3.72		1.26	2.06		3.90	
Total	190.85	487.69	97.58	452.33	953.04	1034.85	489.33	107.10	83.59	83.49	81.39	132.57	4193.81 CMSDAY
Mean	6.36	15.73	3.25	14.59	30.74	34.49	15.78	3.57	2.70	2.69	2.91	4.28	11.49 CMS
Max	24.08	73.08	7.84	46.90	53.55	84.54	36.30	7.24	16.08	4.30	6.40	10.15	84.54 CMS
Min	0.80	1.26	1.50	2.92	8.59	6.40	3.72	1.78	0.85	1.38	1.57	1.99	0.80 CMS
Runoff	16.49	42.14	8.43	39.08	82.34	89.41	42.28	9.25	7.22	7.21	7.03	11.45	362.35 MCM
Momentary Peak	87.40 CMS. at 295.60 m. (MSL.) at 23.00 Hours , on Sep 26, 2022												
Runoff Yield	9.97	Liters/Second/Square KM.		Momentary Peak Yield		75.87	Liters/Second/Square KM.						

WATER YEAR : 2022													
PING RIVER BASIN													
Nam Mae Wang at Ban Sop Win , Chiang Mai (P.82)													
Lat 18 - 39 - 18 N Long 98 - 41 - 06 E													
Location : on left bank at Ban Sop Win.													
	Ban Sop Win				Amphoe Mae Wang				Changwat Chiang Mai				
Drainge Area	391 sq.km.												
Type of Gage	Water - stage recorder												
Zero Gage at Bottom	+400.196 m. (MSL.)												
Bench Mark	B.M.-H.D.												
Location BM	On left bank about 5.00 meters from the top staff gage.								Elevation	+406.756 m. (MSL.)			
Gage Reading Frequency	Recording.												
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings												
Period of Available Gage Records	2003 to date												
Rating Operation													
Period of Rating	2003 to date												
Rated by Float	-												
Rated by Current Meter	2003 to date												
Stability of Channel Regimes	Fairly stable by some scouring.												
Overbank Flow Conditions	No overbank flow.												
General Description	Records good. Stage-discharge relation defined by 31 discharge measurements made in 2022.												
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	400.72	400.77	401.02	400.86	401.06	401.02	402.63	401.15	401.16	400.93	400.85	400.85	
2	400.76	400.86	400.89	400.87	401.00	401.01	402.26	401.13	401.10	400.92	400.84	400.85	
3	400.81	400.87	400.84	400.79	401.07	401.06	402.47	401.12	401.03	400.91	400.84	400.85	
4	400.74	400.78	400.82	400.78	401.12	401.16	402.23	401.11	401.00	400.91	400.84	400.85	
5	400.72	400.76	400.82	400.82	401.06	401.06	401.92	401.10	401.00	400.92	400.84	400.84	
6	400.70	400.77	400.80	400.85	401.17	401.01	401.67	401.10	401.00	400.90	400.83	400.84	
7	400.80	401.13	400.79	400.94	401.33	401.13	401.52	401.10	401.00	400.90	400.83	400.85	
8	400.92	400.84	400.79	400.87	401.44	401.07	401.49	401.09	400.99	400.89	400.82	400.83	
9	400.87	400.99	400.78	400.89	401.55	401.53	401.42	401.08	400.99	400.89	400.81	400.84	
10	400.77	400.93	400.77	400.94	401.43	402.52	401.99	401.06	400.99	400.89	400.81	400.84	
11	400.75	401.08	400.76	400.99	401.20	402.08	401.95	401.06	400.98	400.89	400.80	400.84	
12	400.74	400.96	400.75	400.98	401.41	401.75	401.55	401.06	400.98	400.89	400.80	400.83	
13	400.73	400.85	400.74	400.95	401.32	401.77	401.43	401.05	400.97	400.89	400.80	400.89	
14	400.71	400.80	400.73	401.31	401.18	402.32	401.54	401.05	400.97	400.89	400.79	400.87	
15	400.69	400.76	400.77	401.13	401.18	401.57	401.45	401.08	400.97	400.88	400.79	400.86	
16	400.68	400.80	400.76	401.07	401.16	401.40	401.33	401.25	400.96	400.87	400.87	400.87	
17	400.67	400.97	400.76	400.98	401.21	401.47	401.31	401.17	400.96	400.87	400.86	400.87	
18	400.73	401.34	400.77	400.89	401.40	401.37	401.27	401.16	401.00	400.87	400.96	400.85	
19	400.90	401.09	400.75	400.84	401.36	401.32	401.23	401.10	400.98	400.87	400.92	400.85	
20	400.89	401.59	400.75	400.86	401.18	401.22	401.21	401.08	400.96	400.87	400.89	400.88	
21	400.81	403.01	400.75	401.17	401.11	401.22	401.20	401.08	400.95	400.87	400.89	400.85	
22	400.76	401.73	400.74	401.40	401.07	401.18	401.20	401.05	400.95	400.87	400.89	400.83	
23	400.74	401.28	400.74	401.29	401.26	401.44	401.39	401.04	400.95	400.87	400.87	400.81	
24	400.70	401.13	400.74	401.39	401.29	401.44	401.25	401.03	400.95	400.86	400.87	400.81	
25	400.70	401.05	400.74	401.10	401.14	402.44	401.20	401.04	400.94	400.85	400.87	400.80	
26	400.68	400.96	400.78	400.99	401.15	402.15	401.18	401.06	400.93	400.85	400.85	400.80	
27	400.67	400.90	400.80	400.93	401.24	401.99	401.17	401.14	400.93	400.85	400.85	400.80	
28	400.70	400.87	400.80	400.90	401.21	401.56	401.17	401.11	400.93	400.85	400.86	400.79	
29	400.74	400.84	400.77	400.88	401.13	401.40	401.34	401.13	400.93	400.85		400.79	
30	400.87	400.86	400.76	400.89	401.14	401.43	401.19	401.07	400.93	400.85		400.79	
31		400.89		401.06	401.06		401.15		400.93	400.85		400.79	
Mean	400.76	401.05	400.78	400.99	401.21	401.50	401.53	401.10	400.98	400.88	400.85	400.84	
Max	400.92	403.01	401.02	401.40	401.55	402.52	402.63	401.25	401.16	400.93	400.96	400.89	403.01
Min	400.67	400.76	400.73	400.78	401.00	401.01	401.15	401.03	400.93	400.85	400.79	400.79	400.67
Annual Max Momentary Gage Height	403.55	m. (MSL.) ,			at 13.00 Hours , on May 21, 2022								
Zero Gage at Bottom Elevation	400.20	m. (MSL.) ,			River Bed	399.96	m. (MSL.)						
Left Bank Elevation	407.50	m. (MSL.) ,											
Right Bank Elevation	407.59	m. (MSL.) ,			Drainage Are	391	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.28	1.73	5.36	2.84	6.08	5.36	56.00	7.80	8.00	3.88	2.70	2.70		
2	1.64	2.84	3.26	2.98	5.00	5.18	39.94	7.40	6.80	3.72	2.56	2.70		
3	2.14	2.98	2.56	1.91	6.26	6.08	48.59	7.20	5.54	3.56	2.56	2.70		
4	1.46	1.82	2.28	1.82	7.20	8.00	38.77	7.00	5.00	3.56	2.56	2.70		
5	1.28	1.64	2.28	2.28	6.08	6.08	27.74	6.80	5.00	3.72	2.56	2.56		
6	1.10	1.73	2.00	2.70	8.20	5.18	19.99	6.80	5.00	3.40	2.42	2.56		
7	2.00	7.40	1.91	4.04	11.59	7.40	16.10	6.80	5.00	3.40	2.42	2.70		
8	3.72	2.56	1.91	2.98	14.16	6.26	15.36	6.62	4.84	3.26	2.28	2.42		
9	2.98	4.84	1.82	3.26	16.85	16.35	13.68	6.44	4.84	3.26	2.14	2.56		
10	1.73	3.88	1.73	4.04	13.92	50.86	29.98	6.08	4.84	3.26	2.14	2.56		
11	1.55	6.44	1.64	4.84	8.80	33.22	28.70	6.08	4.68	3.26	2.00	2.56		
12	1.46	4.36	1.55	4.68	13.44	22.35	16.85	6.08	4.68	3.26	2.00	2.42		
13	1.37	2.70	1.46	4.20	11.36	22.97	13.92	5.90	4.52	3.26	2.00	3.26		
14	1.19	2.00	1.37	11.13	8.40	42.28	16.60	5.90	4.52	3.26	1.91	2.98		
15	1.04	1.64	1.73	7.40	8.40	17.35	14.40	6.44	4.52	3.12	1.91	2.84		
16	0.98	2.00	1.64	6.26	8.00	13.20	11.59	9.85	4.36	2.98	2.98	2.98		
17	0.92	4.52	1.64	4.68	9.01	14.88	11.13	8.20	4.36	2.98	2.84	2.98		
18	1.37	11.82	1.73	3.26	13.20	12.51	10.27	8.00	5.00	2.98	4.36	2.70		
19	3.40	6.62	1.55	2.56	12.28	11.36	9.43	6.80	4.68	2.98	3.72	2.70		
20	3.26	17.85	1.55	2.84	8.40	9.22	9.01	6.44	4.36	2.98	3.26	3.12		
21	2.14	76.08	1.55	8.20	7.00	9.22	8.80	6.44	4.20	2.98	3.26	2.70		
22	1.64	21.73	1.46	13.20	6.26	8.40	8.80	5.90	4.20	2.98	3.26	2.42		
23	1.46	10.48	1.46	10.69	10.06	14.16	12.97	5.72	4.20	2.98	2.98	2.14		
24	1.10	7.40	1.46	12.97	10.69	14.16	9.85	5.54	4.20	2.84	2.98	2.14		
25	1.10	5.90	1.46	6.80	7.60	47.22	8.80	5.72	4.04	2.70	2.98	2.00		
26	0.98	4.36	1.82	4.84	7.80	35.78	8.40	6.08	3.88	2.70	2.70	2.00		
27	0.92	3.40	2.00	3.88	9.64	29.98	8.20	7.60	3.88	2.70	2.70	2.00		
28	1.10	2.98	2.00	3.40	9.01	17.10	8.20	7.00	3.88	2.70	2.84	1.91		
29	1.46	2.56	1.73	3.12	7.40	13.20	11.82	7.40	3.88	2.70		1.91		
30	2.98	2.84	1.64	3.26	7.60	13.92	8.60	6.26	3.88	2.70		1.91		
31		3.26		6.08	6.08		7.80		3.88	2.70		1.91		
Total	50.75	232.36	57.55	157.14	285.77	519.23	550.29	202.29	144.66	96.76	75.02	77.74	2449.56	CMSDAY
Mean	1.69	7.50	1.92	5.07	9.22	17.31	17.75	6.74	4.67	3.12	2.68	2.51	6.71	CMS
Max	3.72	76.08	5.36	13.20	16.85	50.86	56.00	9.85	8.00	3.88	4.36	3.26	76.08	CMS
Min	0.92	1.64	1.37	1.82	5.00	5.18	7.80	5.54	3.88	2.70	1.91	1.91	0.92	CMS
Runoff	4.38	20.08	4.97	13.58	24.69	44.86	47.55	17.48	12.50	8.36	6.48	6.72	211.64	MCM
Momentary Peak	CMS. at 403.55 m. (MSL.) at 13.00 Hours , on May 21, 2022													
Runoff Yield	17.16	Liters/Second/Square KM.			Momentary Peak Yield	279.41	Liters/Second/Square KM.							

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Wang at Ban Phan Ton , Chiang Mai (P.84)**

Lat 18 - 35 - 29 N Long 98 - 47 - 48 E

Location : on left bank at Ban Phan Ton.

	Ban	Phan Ton	Amphoe	Mae Wang	Changwat	Chiang Mai
Drainage Area	455	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+303.244 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the abutment of the bridge.				Elevation	+309.244 m. (MSL.)
Gage Reading Frequency	Recording.					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2003 to date					
Rating Operation						
Period of Rating	2003 to date					
Rated by Float	-					
Rated by Current Meter	2003 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 30 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	303.45	303.48	303.78	303.44	303.82	303.81	306.09	304.00	303.96	303.61	303.42	303.36	
2	303.55	303.62	303.56	303.45	303.76	303.75	305.67	304.00	303.96	303.61	303.40	303.37	
3	303.51	303.68	303.59	303.41	303.79	303.81	305.85	304.01	303.80	303.60	303.39	303.36	
4	303.49	303.49	303.59	303.39	303.95	303.95	305.56	303.99	303.79	303.60	303.38	303.36	
5	303.49	303.48	303.59	303.40	303.84	303.86	305.18	303.94	303.78	303.59	303.38	303.37	
6	303.51	303.45	303.59	303.42	303.97	303.77	304.77	303.93	303.79	303.58	303.37	303.38	
7	303.69	304.13	303.59	303.50	304.26	303.91	304.65	303.88	303.74	303.55	303.38	303.36	
8	303.73	303.79	303.59	303.45	304.47	303.79	304.61	303.89	303.74	303.54	303.37	303.27	
9	303.61	303.88	303.59	303.47	304.57	304.51	304.52	303.88	303.72	303.54	303.36	303.27	
10	303.51	303.69	303.59	303.57	304.47	305.80	305.13	303.85	303.71	303.53	303.39	303.28	
11	303.45	303.87	303.59	303.68	304.15	305.34	305.15	303.84	303.70	303.54	303.39	303.26	
12	303.48	303.77	303.54	303.68	304.31	304.92	304.67	303.84	303.68	303.54	303.36	303.25	
13	303.46	303.68	303.43	303.62	304.36	304.62	304.52	303.83	303.67	303.53	303.36	303.34	
14	303.44	303.64	303.39	304.13	304.08	305.42	304.57	303.83	303.67	303.48	303.36	303.38	
15	303.44	303.60	303.38	303.89	304.06	304.65	304.60	303.83	303.67	303.49	303.36	303.29	
16	303.44	303.54	303.40	303.83	304.11	304.44	304.38	304.17	303.67	303.48	303.52	303.29	
17	303.44	303.58	303.40	303.66	304.31	304.45	304.36	303.94	303.65	303.48	303.51	303.33	
18	303.44	303.98	303.43	303.53	304.35	304.46	304.28	304.07	303.67	303.49	303.57	303.30	
19	303.89	304.36	303.45	303.44	304.07	304.32	304.23	303.89	303.70	303.51	303.47	303.29	
20	303.76	304.62	303.45	303.44	303.97	304.19	304.19	303.86	303.67	303.52	303.43	303.35	
21	303.58	306.64	303.44	303.91	303.93	304.16	304.17	303.89	303.65	303.49	303.42	303.33	
22	303.53	305.24	303.40	304.23	304.01	304.12	304.17	303.82	303.64	303.51	303.41	303.30	
23	303.49	304.30	303.39	304.04	304.33	304.46	304.36	303.79	303.64	303.50	303.40	303.28	
24	303.49	304.13	303.39	304.33	304.02	304.44	304.25	303.79	303.63	303.49	303.38	303.27	
25	303.48	303.85	303.40	303.88	303.98	305.69	304.13	303.80	303.63	303.42	303.37	303.26	
26	303.44	303.78	303.41	303.69	304.11	305.48	304.10	303.80	303.63	303.46	303.34	303.26	
27	303.44	303.73	303.40	303.61	304.15	305.26	304.08	303.93	303.62	303.48	303.35	303.26	
28	303.44	303.68	303.41	303.57	304.04	304.65	304.08	303.89	303.60	303.45	303.36	303.25	
29	303.44	303.63	303.41	303.47	304.04	304.48	304.31	303.91	303.61	303.43		303.25	
30	303.46	303.57	303.44	303.55	303.90	304.48	304.09	303.84	303.61	303.44		303.26	
31		303.66		303.65	303.81		304.03		303.61	303.41		303.26	
Mean	303.52	303.92	303.49	303.66	304.10	304.50	304.60	303.90	303.70	303.51	303.40	303.30	
Max	303.89	306.64	303.78	304.33	304.57	305.80	306.09	304.17	303.96	303.61	303.57	303.38	306.64
Min	303.44	303.45	303.38	303.39	303.76	303.75	304.03	303.79	303.60	303.41	303.34	303.25	303.25
Annual Max Momentary Gage Height	307.29		m. (MSL.) ,			at 15.00 Hours ,	on May 21, 2022						
Zero Gage at Bottom Elevation	303.24		m. (MSL.) ,			River Bed	302.21	m. (MSL.)					
Left Bank Elevation	309.08		m. (MSL.) ,										
Right Bank Elevation	309.07		m. (MSL.) ,			Drainage Are	455	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.70	0.82	2.48	0.66	2.74	2.67	45.04	4.00	3.72	1.46	0.58	0.42		
2	1.15	1.52	1.20	0.70	2.36	2.30	33.16	4.00	3.72	1.46	0.50	0.44		
3	0.95	1.88	1.35	0.54	2.54	2.67	38.00	4.08	2.60	1.40	0.48	0.42		
4	0.86	0.86	1.35	0.48	3.65	3.65	30.28	3.93	2.54	1.40	0.46	0.42		
5	0.86	0.82	1.35	0.50	2.88	3.02	21.61	3.58	2.48	1.35	0.46	0.44		
6	0.95	0.70	1.35	0.58	3.79	2.42	13.73	3.51	2.54	1.30	0.44	0.46		
7	1.94	5.07	1.35	0.90	6.36	3.37	11.55	3.16	2.24	1.15	0.46	0.42		
8	2.18	2.54	1.35	0.70	8.91	2.54	10.87	3.23	2.24	1.10	0.44	0.27		
9	1.46	3.16	1.35	0.78	10.28	9.44	9.58	3.16	2.12	1.10	0.42	0.27		
10	0.95	1.94	1.35	1.25	8.91	36.60	20.64	2.95	2.06	1.05	0.48	0.28		
11	0.70	3.09	1.35	1.88	5.25	24.94	21.03	2.88	2.00	1.10	0.48	0.26		
12	0.82	2.42	1.10	1.88	6.92	16.58	11.89	2.88	1.88	1.10	0.42	0.25		
13	0.74	1.88	0.62	1.52	7.52	11.04	9.58	2.81	1.82	1.05	0.42	0.38		
14	0.66	1.64	0.48	5.07	4.64	26.71	10.28	2.81	1.82	0.82	0.42	0.46		
15	0.66	1.40	0.46	3.23	4.48	11.55	10.70	2.81	1.82	0.86	0.42	0.29		
16	0.66	1.10	0.50	2.81	4.89	8.52	7.76	5.43	1.82	0.82	1.00	0.29		
17	0.66	1.30	0.50	1.76	6.92	8.65	7.52	3.58	1.70	0.82	0.95	0.36		
18	0.66	3.86	0.62	1.05	7.40	8.78	6.58	4.56	1.82	0.86	1.25	0.30		
19	3.23	7.52	0.70	0.66	4.56	7.04	6.03	3.23	2.00	0.95	0.78	0.29		
20	2.36	11.04	0.70	0.66	3.79	5.61	5.61	3.02	1.82	1.00	0.62	0.40		
21	1.30	64.84	0.66	3.37	3.51	5.34	5.43	3.23	1.70	0.86	0.58	0.36		
22	1.05	22.84	0.50	6.03	4.08	4.98	5.43	2.74	1.64	0.95	0.54	0.30		
23	0.86	6.80	0.48	4.32	7.16	8.78	7.52	2.54	1.64	0.90	0.50	0.28		
24	0.86	5.07	0.48	7.16	4.16	8.52	6.25	2.54	1.58	0.86	0.46	0.27		
25	0.82	2.95	0.50	3.16	3.86	33.69	5.07	2.60	1.58	0.58	0.44	0.26		
26	0.66	2.48	0.54	1.94	4.89	28.24	4.80	2.60	1.58	0.74	0.38	0.26		
27	0.66	2.18	0.50	1.46	5.25	23.26	4.64	3.51	1.52	0.82	0.40	0.26		
28	0.66	1.88	0.54	1.25	4.32	11.55	4.64	3.23	1.40	0.70	0.42	0.25		
29	0.66	1.58	0.54	0.78	4.32	9.04	6.92	3.37	1.46	0.62	0.25	0.25		
30	0.74	1.25	0.66	1.15	3.30	9.04	4.72	2.88	1.46	0.66	0.26	0.26		
31		1.76		1.70	2.67		4.24		1.46	0.54		0.26		
Total	31.42	168.19	26.91	59.93	156.31	340.54	391.10	98.85	61.78	30.38	15.20	10.13	1390.74	CMSDAY
Mean	1.05	5.43	0.90	1.93	5.0									

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Li at Ban Lai Khaeo , Lamphun (P.85)**

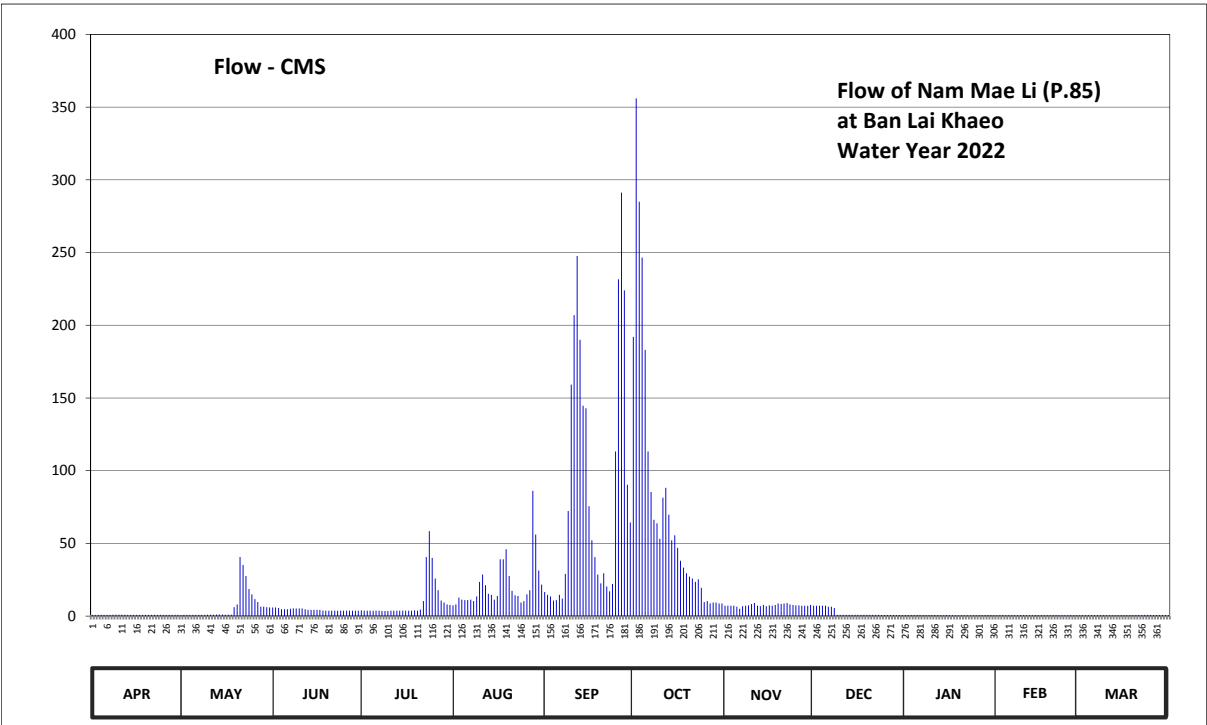
Lat 18 - 21 - 59 N Long 98 - 46 - 20 E

Location : on right bank at Ban Lai Khaeo.

	Ban	Lai Khaeo	Amphoe	Ban Hong	Changwat	Lamphun
Drainage Area	2,036	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+290.368 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On right bank at the abutment of the bridge.				Elevation	+295.123 m. (MSL.)
Gage Reading Frequency	Recording.					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2003 to date					
Rating Operation						
Period of Rating	2003 to date					
Rated by Float	-					
Rated by Current Meter	2003 to date					
Stability of Channel Regimes	Fairly stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 30 discharge measurements made in 2022.					

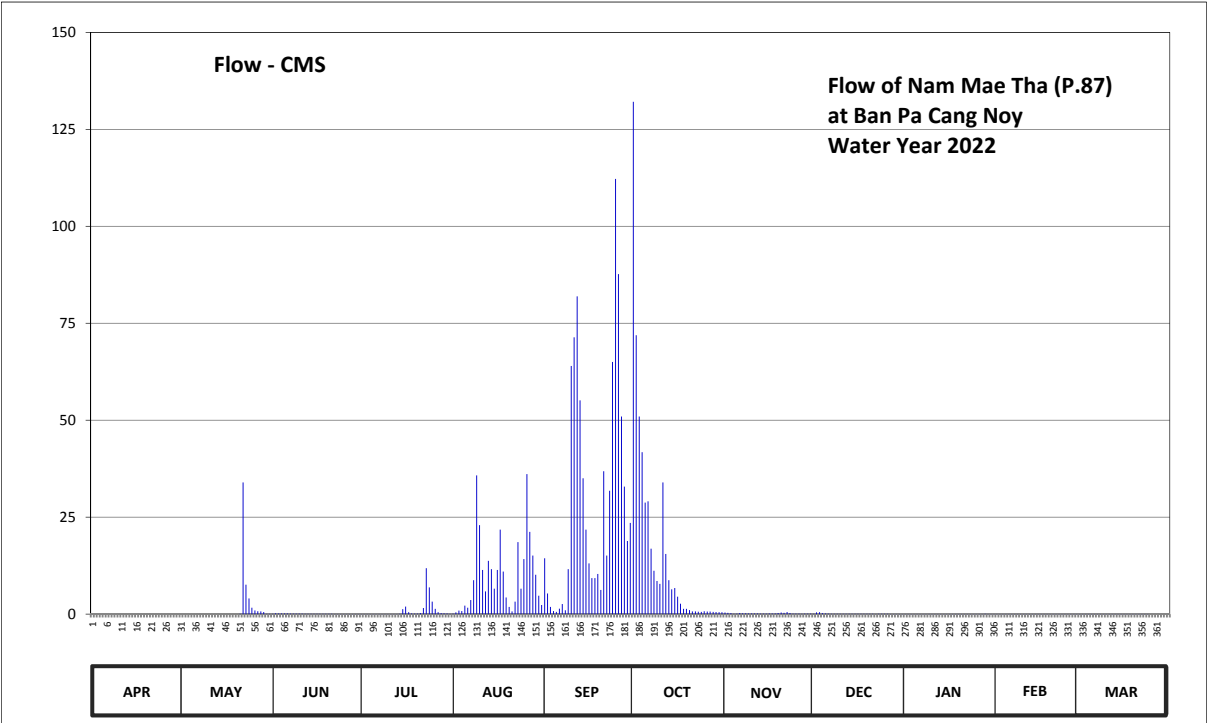
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	290.01	289.96	290.03	289.96	290.08	290.34	292.85	290.07	290.07	289.95	289.91	289.91	
2	290.01	289.97	290.03	289.95	290.10	290.29	294.23	290.07	290.07	289.93	289.91	289.91	
3	290.01	289.97	290.02	289.95	290.24	290.26	293.68	290.07	290.07	289.93	289.91	289.91	
4	290.01	289.98	289.99	289.95	290.20	290.18	293.37	290.07	290.07	289.93	289.91	289.91	
5	290.01	289.97	289.99	289.95	290.19	290.19	292.76	290.05	290.07	289.93	289.91	289.91	
6	290.01	289.97	289.99	289.95	290.19	290.29	291.99	290.00	290.05	289.92	289.91	289.91	
7	290.00	289.97	290.00	289.95	290.20	290.22	291.62	290.06	290.05	289.92	289.91	289.91	
8	290.03	289.98	290.01	289.94	290.17	290.62	291.32	290.07	290.02	289.92	289.91	289.91	
9	290.03	290.01	290.01	289.94	290.26	291.42	291.28	290.08	290.01	289.92	289.91	289.91	
10	290.03	290.02	290.01	289.94	290.50	292.51	291.10	290.11	290.01	289.92	289.91	289.91	
11	290.03	290.03	290.01	289.95	290.61	293.00	291.56	290.13	290.01	289.92	289.91	289.91	
12	290.03	290.03	289.99	289.95	290.45	293.38	291.66	290.07	290.01	289.92	289.91	289.91	
13	290.01	290.08	289.97	289.95	290.31	292.83	291.38	290.06	290.01	289.91	289.91	289.91	
14	290.01	290.07	289.97	289.95	290.29	292.35	291.08	290.09	290.01	289.91	289.91	289.91	
15	290.01	290.07	289.97	289.95	290.20	292.33	291.14	290.06	290.01	289.92	289.91	289.91	
16	290.00	290.05	289.97	289.95	290.27	291.47	290.99	290.08	290.01	289.90	289.91	289.91	
17	289.99	290.04	289.97	289.95	290.83	291.08	290.81	290.07	290.01	289.87	289.91	289.91	
18	289.97	290.02	289.95	289.95	290.83	290.86	290.71	290.09	289.99	289.85	289.91	289.93	
19	289.97	290.04	289.95	289.96	290.97	290.61	290.63	290.12	289.99	289.85	289.91	289.93	
20	289.97	290.10	289.95	289.95	290.59	290.48	290.58	290.11	289.99	289.85	289.91	289.93	
21	289.97	290.86	289.95	289.98	290.36	290.63	290.55	290.12	289.99	289.85	289.91	289.93	
22	289.99	290.75	289.95	290.17	290.28	290.43	290.50	290.13	289.97	289.85	289.91	289.94	
23	289.99	290.59	289.95	290.86	290.27	290.35	290.54	290.10	289.97	289.85	289.91	289.97	
24	289.99	290.39	289.95	291.19	290.14	290.47	290.41	290.09	289.96	289.85	289.91	289.97	
25	289.99	290.30	289.95	290.85	290.17	291.99	290.15	290.08	289.95	289.87	289.91	289.96	
26	289.97	290.21	289.95	290.55	290.30	293.24	290.17	290.08	289.95	289.93	289.91	289.93	
27	289.97	290.15	289.95	290.37	290.37	293.73	290.12	290.07	289.95	289.93	289.91	289.93	
28	289.97	290.05	289.95	290.18	291.63	293.17	290.14	290.07	289.95	289.93	289.91	289.93	
29	289.97	290.05	289.95	290.14	291.15	291.69	290.14	290.07	289.95	289.93		289.93	
30	289.97	290.04	289.95	290.10	290.67	291.29	290.12	290.09	289.95	289.91		289.92	
31		290.03		290.09	290.46		290.12		289.95	289.91		289.92	
Mean	290.00	290.12	289.98	290.11	290.43	291.39	291.22	290.08	290.00	289.90	289.91	289.92	
Max	290.03	290.86	290.03	291.19	291.63	293.73	294.23	290.13	290.07	289.95	289.91	289.97	294.23
Min	289.97	289.96	289.95	289.94	290.08	290.18	290.12	290.00	289.95	289.85	289.91	289.91	289.85
Annual Max Momentary Gage Height	294.50		m. (MSL.) ,				at 19.00 Hours , on Oct 2, 2022						
Zero Gage at Bottom Elevation		290.37	m. (MSL.) ,			River Bed	287.70	m. (MSL.)					
Left Bank Elevation		295.39	m. (MSL.) ,										
Right Bank Elevation		295.21	m. (MSL.) ,			Drainage Are	2,036	Square Kilometers					



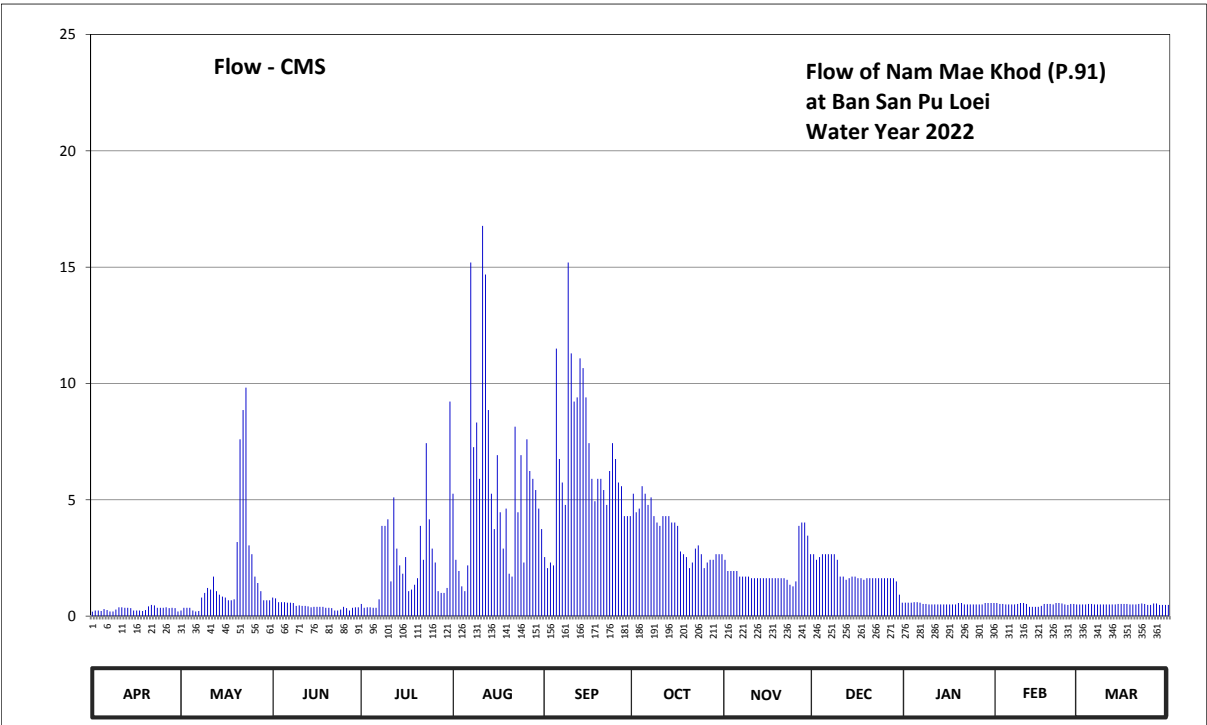
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.92	0.81	5.90	4.00	7.40	16.60	192.00	7.10	7.10	0.79	0.70	0.70	
2	0.92	0.83	5.90	3.75	8.00	14.63	356.05	7.10	7.10	0.74	0.70	0.70	
3	0.92	0.83	5.60	3.75	12.78	13.52	285.00	7.10	7.10	0.74	0.70	0.70	
4	0.92	0.86	4.75	3.75	11.30	10.64	246.55	7.10	7.10	0.74	0.70	0.70	
5	0.92	0.83	4.75	3.75	10.97	10.97	183.10	6.50	7.10	0.74	0.70	0.70	
6	0.92	0.83	4.75	3.75	10.97	14.63	113.20	5.00	6.50	0.72	0.70	0.70	
7	0.90	0.83	5.00	3.75	11.30	12.04	85.40	6.80	6.50	0.72	0.70	0.70	
8	0.97	0.86	5.30	3.50	10.31	29.04	66.20	7.10	5.60	0.72	0.70	0.70	
9	0.97	0.92	5.30	3.50	13.52	72.30	63.80	7.40	0.92	0.72	0.70	0.70	
10	0.97	0.95	5.30	3.50	23.50	159.18	53.25	8.33	0.92	0.72	0.70	0.70	
11	0.97	0.97	5.30	3.75	28.57	207.00	81.40	8.99	0.92	0.72	0.70	0.70	
12	0.97	0.97	4.75	3.75	21.25	247.70	88.20	7.10	0.92	0.72	0.70	0.70	
13	0.92	1.08	4.25	3.75	15.40	190.00	69.80	6.80	0.92	0.70	0.70	0.70	
14	0.92	1.06	4.25	3.75	14.63	144.63	52.10	7.70	0.92	0.70	0.70	0.70	
15	0.92	1.06	4.25	3.75	11.30	142.88	55.55	6.80	0.92	0.72	0.70	0.70	
16	0.90	1.01	4.25	3.75	13.89	75.55	47.00	7.40	0.92	0.68	0.70	0.70	
17	0.88	0.99	4.25	3.75	39.07	52.10	38.09	7.10	0.92	0.61	0.70	0.70	
18	0.83	0.95	3.75	3.75	39.07	40.54	33.28	7.70	0.88	0.56	0.70	0.74	
19	0.83	6.20	3.75	4.00	46.00	28.57	29.51	8.66	0.88	0.56	0.70	0.74	
20	0.83	8.00	3.75	3.75	27.64	22.60	27.18	8.33	0.88	0.56	0.70	0.74	
21	0.83	40.54	3.75	4.50	17.40	29.51	25.80	8.66	0.88	0.56	0.70	0.74	
22	0.88	35.20	3.75	10.31	14.26	20.35	23.50	8.99	0.83	0.56	0.70	0.77	
23	0.88	27.64	3.75	40.54	13.89	17.00	25.34	8.00	0.83	0.56	0.70	0.83	
24	0.88	18.60	3.75	58.42	9.32	22.15	19.45	7.70	0.81	0.56	0.70	0.83	
25	0.88	15.00	3.75	40.05	10.31	113.20	9.65	7.40	0.79	0.61	0.70	0.81	
26	0.83	11.67	3.75	25.80	15.00	231.60	10.31	7.40	0.79	0.74	0.70	0.74	
27	0.83	9.65	3.75	17.80	17.80	291.25	8.66	7.10	0.79	0.74	0.70	0.74	
28	0.83	6.50	3.75	10.64	86.10	224.00	9.32	7.10	0.79	0.74	0.70	0.74	
29	0.83	6.50	3.75	9.32	56.13	90.30	9.32	7.10	0.79	0.74		0.74	
30	0.83	6.20	3.75	8.00	31.39	64.40	8.66	7.70	0.79	0.70		0.72	
31		5.90		7.70	21.70		8.66		0.79	0.70		0.72	
Total	26.80	214.24	132.60	307.83	670.17	2608.88	2325.33	223.26	73.90	21.09	19.60	22.50	6646.20 CMSDAY
Mean	0.89	6.91	4.42	9.93	21.62	86.96	75.01	7.44	2.38	0.68	0.70	0.73	18.21 CMS
Max	0.97	40.54	5.90	58.42	86.10	291.25	356.05	8.99	7.10	0.79	0.70	0.83	356.05 CMS
Min	0.83	0.81	3.75	3.50	7.40	10.64	8.66	5.00	0.79	0.56	0.70	0.70	0.56 CMS
Runoff	2.32	18.51	11.46	26.60	57.90	225.41	200.91	19.29	6.38	1.82	1.69	1.94	574.23 MCM
Momentary Peak	392.50 CMS. at 294.50 m. (MSL.) at 19.00 Hours , on Oct 2, 2022												
Runoff Yield	8.94	Liters/Second/Square KM.			Momentary Peak Yield			192.78	Liters/Second/Square KM.				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.07	0.07	0.11	0.10	0.11	1.57	3.08	0.10	0.09	0.09	0.09	0.08		
2	0.07	0.08	0.11	0.11	0.11	1.57	2.68	0.10	0.09	0.09	0.09	0.08		
3	0.07	0.08	0.11	0.11	0.11	1.57	2.84	0.09	0.09	0.09	0.09	0.08		
4	0.07	0.08	0.11	0.11	0.11	1.57	2.92	0.09	0.09	0.09	0.09	0.08		
5	0.07	0.08	0.11	0.11	0.12	1.57	2.68	0.09	0.08	0.09	0.09	0.08		
6	0.07	0.08	0.11	0.11	1.92	1.57	2.68	0.09	0.09	0.09	0.09	0.08		
7	0.07	0.08	0.11	0.11	1.92	1.57	2.68	0.09	0.09	0.09	0.09	0.08		
8	0.07	0.08	0.11	0.11	1.92	2.06	2.68	0.09	0.09	0.09	0.09	0.09		
9	0.07	0.08	0.11	0.11	1.92	1.78	2.68	0.09	0.09	0.09	0.09	0.08		
10	0.07	0.08	0.11	0.11	1.92	2.52	2.68	0.09	0.09	0.09	0.09	0.08		
11	0.07	0.08	0.11	0.11	2.06	2.36	2.68	0.09	0.09	0.09	0.09	0.08		
12	0.07	0.08	0.11	0.11	2.68	12.57	2.68	0.09	0.09	0.09	0.09	0.08		
13	0.07	0.08	0.11	0.11	2.68	5.59	2.68	0.09	0.09	0.09	0.09	0.08		
14	0.07	0.08	0.11	0.11	2.44	3.24	2.68	0.09	0.09	0.09	0.09	0.08		
15	0.07	0.08	0.11	0.11	2.28	2.13	2.68	0.09	0.09	0.09	0.08	0.08		
16	0.07	0.08	0.11	0.11	2.20	2.84	2.68	0.09	0.09	0.09	0.08	0.08		
17	0.07	0.07	0.11	0.11	2.36	3.08	2.68	0.09	0.09	0.09	0.08	0.08		
18	0.07	0.08	0.11	0.11	2.20	3.00	2.36	0.09	0.09	0.09	0.08	0.08		
19	0.07	0.08	0.11	0.11	2.20	3.00	0.11	0.08	0.09	0.09	0.08	0.08		
20	0.07	0.12	0.11	0.11	2.20	3.00	0.11	0.08	0.09	0.09	0.08	0.08		
21	0.07	0.13	0.10	0.11	2.13	3.08	0.11	0.09	0.09	0.09	0.09	0.08		
22	0.07	0.12	0.09	0.11	1.92	3.08	0.10	0.09	0.10	0.09	0.09	0.09		
23	0.07	0.11	0.09	0.11	1.92	3.08	0.10	0.09	0.10	0.09	0.09	0.09		
24	0.07	0.11	0.09	0.11	2.13	3.08	0.10	0.09	0.09	0.09	0.08	0.08		
25	0.07	0.11	0.09	0.11	6.31	3.08	0.10	0.09	0.09	0.09	0.08	0.09		
26	0.08	0.11	0.09	0.11	3.08	3.08	0.10	0.09	0.09	0.09	0.08	0.09		
27	0.07	0.11	0.09	0.11	3.08	3.24	0.10	0.09	0.09	0.09	0.08	0.09		
28	0.07	0.11	0.09	0.11	3.08	3.24	0.10	0.09	0.09	0.09	0.08	0.08		
29	0.07	0.11	0.09	0.11	2.68	3.24	0.10	0.09	0.09	0.09	0.09	0.08		
30	0.07	0.11	0.09	0.11	1.57	3.24	0.10	0.09	0.09	0.09	0.09	0.08		
31		0.11		0.11	1.57		0.10		0.09	0.09		0.08		
Total	2.11	2.86	3.11	3.40	62.93	89.60	50.05	2.70	2.80	2.79	2.41	2.54	227.30	CMSDAY
Mean	0.07	0.09	0.10	0.11	2.03	2.99	1.61	0.09	0.09					



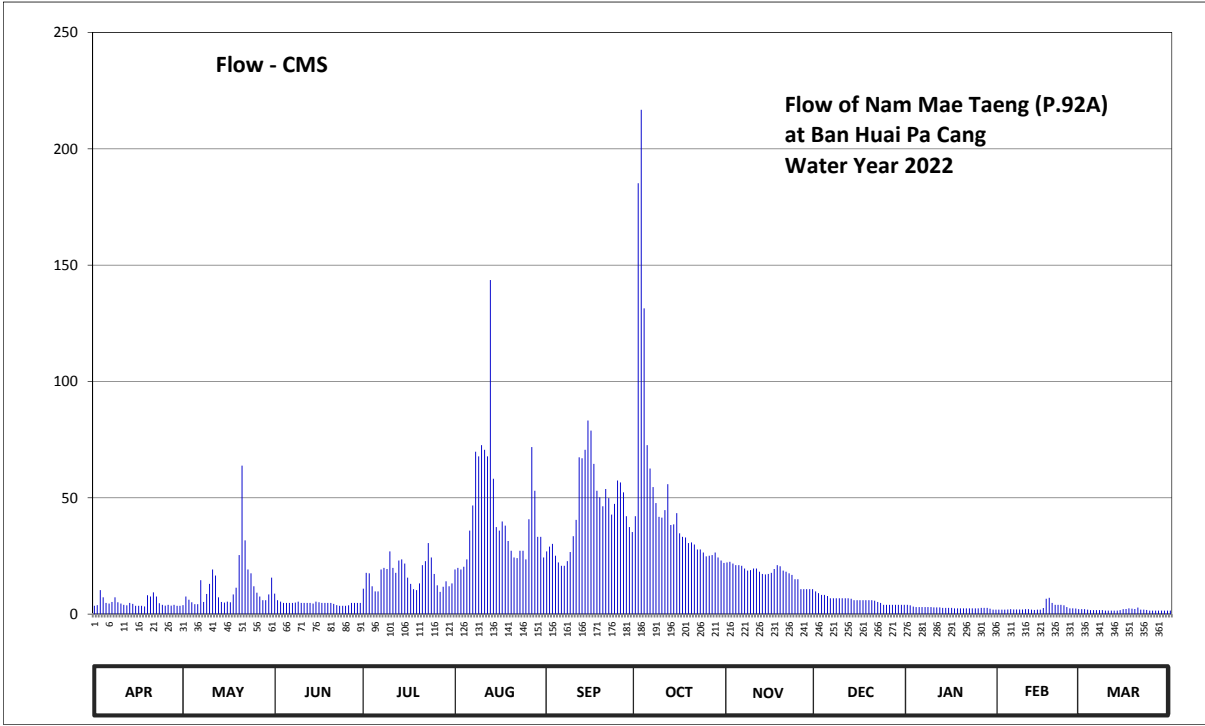
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.08	0.05	0.13	14.40	132.10	0.42	0.08	0.05	0.05	0.05		
2	0.00	0.00	0.22	0.05	0.46	5.34	71.92	0.32	0.44	0.05	0.05	0.05		
3	0.00	0.00	0.16	0.05	0.90	1.86	50.96	0.23	0.48	0.05	0.05	0.05		
4	0.00	0.00	0.15	0.05	0.78	0.78	41.77	0.09	0.24	0.05	0.05	0.05		
5	0.00	0.00	0.15	0.05	2.18	0.58	28.76	0.12	0.16	0.05	0.05	0.05		
6	0.00	0.00	0.15	0.05	1.64	1.40	29.07	0.29	0.11	0.05	0.05	0.05		
7	0.00	0.00	0.11	0.05	3.62	2.59	16.88	0.22	0.09	0.05	0.05	0.05		
8	0.00	0.00	0.11	0.05	8.73	0.98	11.19	0.22	0.10	0.05	0.05	0.05		
9	0.00	0.00	0.11	0.05	35.76	11.61	8.54	0.17	0.09	0.05	0.05	0.05		
10	0.00	0.00	0.11	0.05	22.93	64.01	7.78	0.17	0.07	0.05	0.05	0.05		
11	0.00	0.00	0.11	0.05	11.40	71.39	33.96	0.15	0.06	0.05	0.05	0.05		
12	0.00	0.00	0.10	0.05	5.87	81.94	15.53	0.15	0.10	0.05	0.05	0.05		
13	0.00	0.00	0.10	0.05	13.73	55.10	8.73	0.13	0.06	0.05	0.05	0.05		
14	0.00	0.00	0.08	0.07	11.61	35.04	6.38	0.14	0.06	0.05	0.05	0.05		
15	0.00	0.00	0.08	1.28	6.55	21.77	6.72	0.14	0.06	0.05	0.05	0.05		
16	0.00	0.00	0.08	1.94	11.40	13.08	4.50	0.16	0.06	0.05	0.05	0.05		
17	0.00	0.00	0.08	0.48	21.77	9.30	2.68	0.15	0.06	0.05	0.05	0.05		
18	0.00	0.00	0.06	0.16	10.98	9.30	1.34	0.16	0.06	0.05	0.05	0.04		
19	0.00	0.00	0.06	0.14	4.28	10.35	1.34	0.29	0.06	0.05	0.05	0.04		
20	0.00	0.00	0.06	0.13	1.86	6.21	1.02	0.40	0.06	0.05	0.05	0.04		
21	0.00	0.06	0.06	0.27	0.68	36.84	0.70	0.32	0.06	0.05	0.05	0.03		
22	0.00	33.96	0.05	1.58	3.22	15.08	0.68	0.52	0.05	0.05	0.05	0.03		
23	0.00	7.59	0.05	11.82	18.58	31.80	0.60	0.28	0.06	0.05	0.05	0.03		
24	0.00	4.06	0.05	6.89	6.55	65.03	0.56	0.12	0.06	0.05	0.05	0.03		
25	0.00	1.64	0.05	3.22	14.18	112.21	0.74	0.11	0.06	0.05	0.05	0.00		
26	0.00	0.94	0.05	1.34	36.12	87.69	0.66	0.11	0.06	0.05	0.05	0.00		
27	0.00	0.74	0.05	0.50	21.19	50.96	0.66	0.08	0.05	0.05	0.05	0.00		
28	0.00	0.70	0.05	0.23	15.08	32.88	0.56	0.14	0.05	0.06	0.05	0.00		
29	0.00	0.52	0.05	0.20	10.14	18.87	0.52	0.12	0.05	0.05	0.05	0.00		
30	0.00	0.10	0.05	0.18	4.74	23.51	0.50	0.11	0.05	0.05	0.05	0.00		
31		0.10		0.10	2.34		0.48		0.05	0.05	0.05	0.00		
Total	0.00	50.41	2.67	31.18	309.40	891.90	487.83	6.03	3.10	1.56	1.40	1.09	1786.57	CMSDAY
Mean	0.00	1.63	0.09	1.01	9.98	29.73	15.74	0.20	0.10	0.05	0.05	0.04	4.89	CMS
Max	0.00	33.96	0.22	11.82	36.12	112.21	132.10	0.52	0.48	0.06	0.05	0.05	132.10	CMS
Min	0.00	0.00	0.05	0.05	0.13	0.58	0.48	0.08	0.05	0.05	0.05	0.00	0.00	CMS
Runoff	0.00	4.36	0.23	2.69	26.73	77.06	42.15	0.52	0.27	0.13	0.12	0.09	154.36	MCM
Momentary Peak	182.30 CMS. at 294.48 m. (MSL.) at 11.00 Hours , on Oct 1, 2022													
Runoff Yield	5.15 Liters/Second/Square KM.				Momentary Peak Yield 191.89				Liters/Second/Square KM.					



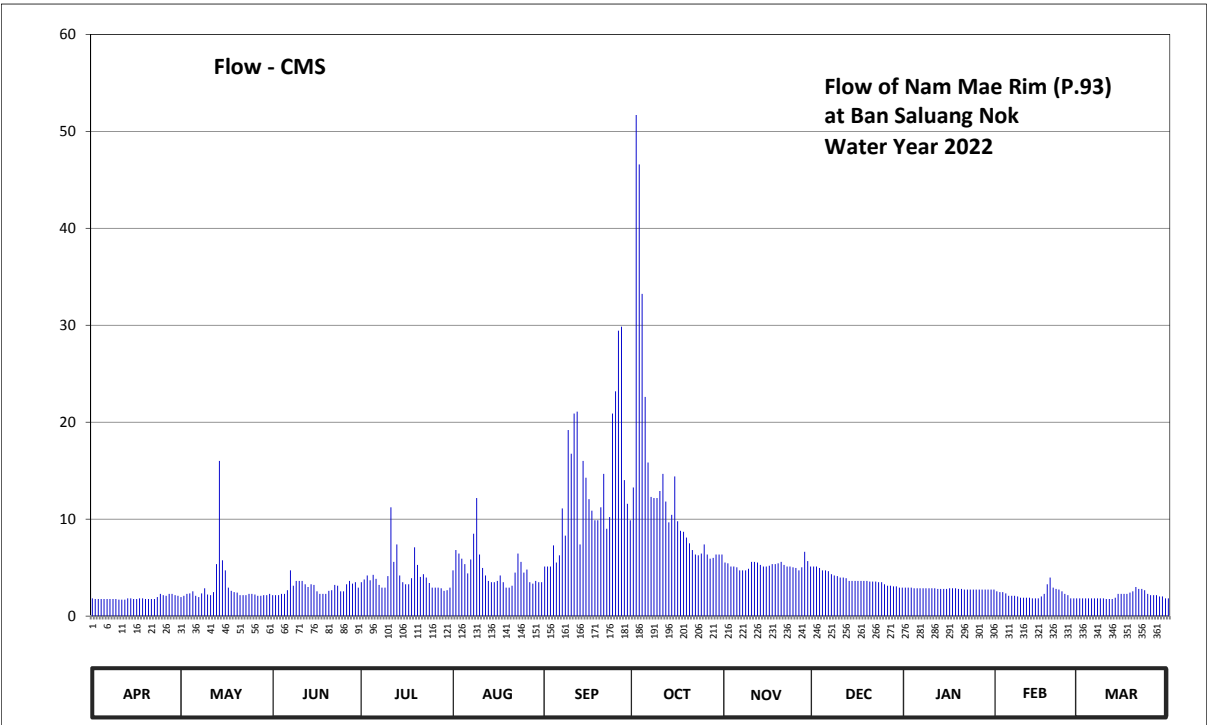
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.19	0.24	0.80	0.52	5.26	2.54	5.26	2.42	2.66	0.58	0.56	0.50	
2	0.24	0.36	0.76	0.36	2.42	2.06	4.46	1.94	2.42	0.58	0.52	0.50	
3	0.24	0.36	0.60	0.38	1.94	2.30	4.62	1.94	2.54	0.58	0.52	0.50	
4	0.22	0.36	0.60	0.38	1.28	2.18	5.58	1.94	2.66	0.60	0.50	0.52	
5	0.30	0.24	0.60	0.36	1.07	11.50	5.26	1.94	2.66	0.60	0.50	0.52	
6	0.26	0.20	0.58	0.36	2.18	6.75	4.78	1.70	2.66	0.58	0.50	0.50	
7	0.20	0.22	0.58	0.72	15.20	5.74	5.10	1.70	2.66	0.52	0.50	0.50	
8	0.20	0.80	0.56	3.88	7.26	4.78	4.30	1.70	2.66	0.52	0.52	0.50	
9	0.28	1.00	0.44	3.88	8.32	15.20	4.02	1.70	2.42	0.50	0.56	0.50	
10	0.38	1.21	0.46	4.16	5.90	11.29	3.88	1.63	1.70	0.50	0.56	0.50	
11	0.38	1.14	0.44	1.49	16.77	9.22	4.30	1.63	1.70	0.50	0.52	0.50	
12	0.36	1.70	0.44	5.10	14.68	9.40	4.30	1.63	1.56	0.50	0.40	0.50	
13	0.36	1.07	0.42	2.90	8.86	11.08	4.30	1.63	1.63	0.50	0.40	0.50	
14	0.34	0.92	0.38	2.18	5.26	10.66	4.02	1.63	1.70	0.50	0.40	0.52	
15	0.24	0.84	0.40	1.82	3.74	9.40	4.02	1.63	1.70	0.50	0.40	0.52	
16	0.24	0.80	0.40	2.54	6.92	7.43	3.88	1.63	1.63	0.50	0.44	0.52	
17	0.24	0.68	0.40	1.07	4.46	5.90	2.78	1.63	1.63	0.50	0.52	0.52	
18	0.22	0.68	0.40	1.14	2.90	4.94	2.66	1.63	1.56	0.50	0.52	0.50	
19	0.26	0.72	0.36	1.35	4.62	5.90	2.54	1.63	1.63	0.56	0.52	0.50	
20	0.42	3.18	0.36	1.63	1.82	5.90	2.06	1.63	1.63	0.56	0.50	0.50	
21	0.48	7.60	0.34	3.88	1.70	5.42	2.30	1.63	1.63	0.50	0.56	0.52	
22	0.46	8.86	0.24	2.42	8.14	4.78	2.90	1.56	1.63	0.50	0.56	0.54	
23	0.36	9.82	0.24	7.43	4.46	6.24	3.04	1.35	1.63	0.50	0.54	0.52	
24	0.36	3.04	0.28	4.16	6.92	7.43	2.66	1.28	1.63	0.50	0.50	0.48	
25	0.36	2.66	0.40	2.90	2.30	6.75	2.06	1.49	1.63	0.50	0.48	0.48	
26	0.38	1.70	0.34	2.30	7.60	5.74	2.30	3.88	1.63	0.50	0.52	0.54	
27	0.34	1.42	0.24	1.07	6.24	5.58	2.42	4.02	1.63	0.50	0.52	0.54	
28	0.36	1.07	0.36	1.00	5.90	4.30	2.42	4.02	1.63	0.56	0.50	0.48	
29	0.34	0.68	0.38	1.00	5.42	4.30	2.66	3.46	1.49	0.56		0.48	
30	0.20	0.68	0.38	1.21	4.62	4.30	2.66	2.66	0.92	0.56		0.48	
31		0.68		9.22	3.74		2.66		0.58	0.56		0.48	
Total	9.21	54.93	13.18	72.81	177.90	199.01	110.20	60.26	57.44	16.42	14.04	15.66	801.06 CMSDAY
Mean	0.31	1.77	0.44	2.35	5.74	6.63	3.55	2.01	1.85	0.53	0.50	0.51	2.19 CMS
Max	0.48	9.82	0.80	9.22	16.77	15.20	5.58	4.02	2.66	0.60	0.56	0.54	16.77 CMS
Min	0.19	0.20	0.24	0.36	1.07	2.06	2.06	1.28	0.58	0.50	0.40	0.48	0.19 CMS
Runoff	0.80	4.75	1.14	6.29	15.37	17.19	9.52	5.21	4.96	1.42	1.21	1.35	69.21 MCM
Momentary Peak	41.48	CMS. at 415.38 m. (MSL.) at 13.00 Hours , on Sep 5, 2022											
Runoff Yield	9.46	Liters/Second/Square KM.		Momentary Peak Yield		178.79	Liters/Second/Square KM.						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.70	8.79	12.78	13.12	29.20	36.80	85.50	13.80	7.32	2.78	1.10	1.00	
2	8.16	8.79	8.79	28.25	26.44	38.33	201.75	15.16	7.53	2.67	1.20	1.30	
3	13.46	7.74	7.11	19.96	28.25	26.87	173.60	14.48	6.90	2.45	0.90	1.20	
4	10.24	6.50	5.90	15.50	30.15	24.29	88.60	12.44	6.50	2.45	1.10	1.20	
5	8.58	5.90	6.10	10.55	33.00	20.34	77.00	11.48	5.90	2.34	1.00	1.20	
6	7.32	6.30	6.30	8.37	49.22	18.83	61.67	10.86	5.70	2.23	0.83	1.20	
7	9.62	15.87	6.30	12.10	46.49	19.20	52.00	10.55	5.70	2.23	0.76	1.20	
8	10.86	8.58	6.30	24.29	71.40	16.24	48.67	10.24	5.50	2.01	0.83	1.20	
9	8.16	19.58	5.90	19.58	95.25	30.15	42.92	9.93	5.30	2.01	1.20	1.20	
10	7.32	17.72	5.90	27.78	83.30	32.53	42.92	10.55	5.30	2.01	1.30	1.20	
11	6.90	34.90	5.70	32.53	81.90	52.00	48.11	10.24	5.10	2.12	1.30	1.20	
12	6.70	23.86	5.70	22.24	86.00	75.60	50.89	10.24	4.90	1.90	1.30	1.20	
13	6.10	10.55	5.70	21.48	54.80	79.80	35.38	9.93	4.90	1.80	1.20	1.20	
14	6.30	7.32	5.70	31.58	70.00	88.50	35.38	9.31	4.71	1.70	1.20	1.60	
15	6.70	5.70	6.30	26.01	49.22	88.50	43.94	9.31	4.52	1.70	1.20	1.60	
16	6.10	4.90	6.70	29.68	39.86	77.70	31.10	9.62	4.52	1.70	1.40	1.50	
17	4.14	4.71	6.10	22.62	42.92	66.43	28.25	10.86	4.52	1.90	4.33	1.60	
18	3.19	5.70	7.11	17.72	41.90	55.33	26.01	13.46	4.33	1.80	3.57	1.30	
19	9.00	15.87	6.30	15.50	33.48	52.00	23.86	11.79	3.76	1.70	1.90	1.20	
20	9.93	18.09	6.30	14.82	28.25	50.89	22.24	9.93	3.38	1.50	1.40	1.90	
21	12.78	75.60	4.90	19.58	28.25	63.46	21.10	9.62	3.38	1.50	1.20	1.70	
22	8.37	68.81	4.33	34.43	33.95	56.44	20.34	8.79	3.76	1.40	1.00	1.70	
23	7.11	34.90	4.14	33.48	28.25	49.22	21.10	9.00	3.19	1.30	0.90	1.60	
24	6.50	24.72	3.95	39.86	24.29	52.00	19.20	8.37	3.38	1.30	0.83	1.50	
25	7.32	24.29	3.95	32.05	21.86	54.22	17.72	8.37	3.00	1.30	0.76	1.40	
26	6.50	17.72	4.14	22.62	38.33	59.29	17.35	7.95	3.38	1.30	0.76	1.40	
27	7.11	13.80	5.50	17.72	50.89	54.77	20.72	8.16	3.00	1.20	0.76	1.30	
28	6.90	11.17	6.50	14.82	42.41	42.92	17.35	7.74	2.78	1.10	0.76	0.90	
29	7.32	9.93	6.10	15.50	32.05	37.31	16.24	7.74	2.78	1.10		0.83	
30	6.50	8.79	7.32	16.61	31.10	34.43	15.16	7.11	2.78	1.20		0.83	
31		12.78		20.34	26.01		14.14		2.78	1.10		0.69	
Total	230.89	539.88	183.82	680.69	1378.42	1454.39	1						

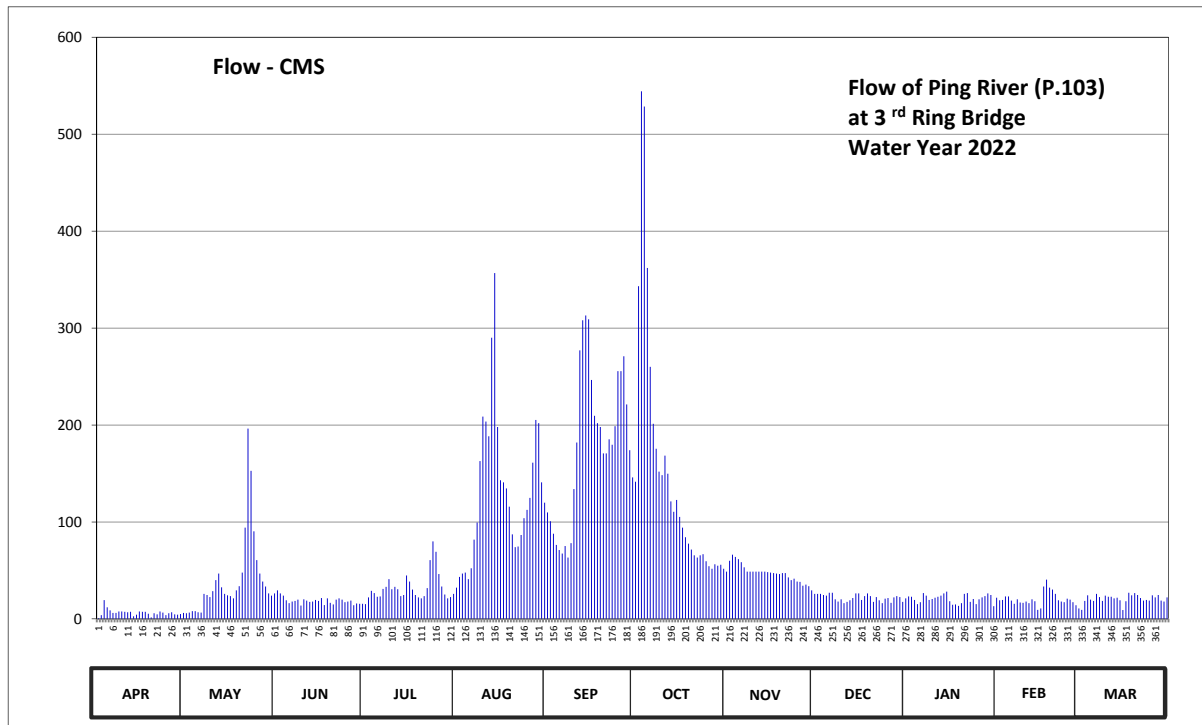


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	3.55	3.88	8.82	10.90	19.15	26.97	42.10	22.20	9.75	4.00	1.90	2.10		
	2	3.88	7.56	6.01	17.74	19.85	29.00	185.20	22.47	9.00	3.80	1.90	2.10		
	3	10.33	6.18	5.36	17.50	19.15	30.20	216.75	21.73	8.25	3.20	1.90	1.90		
	4	7.20	5.08	4.80	11.95	20.32	25.12	131.40	21.03	8.25	3.00	2.00	1.70		
	5	4.80	4.24	4.80	9.76	23.53	22.20	72.60	21.03	7.75	3.00	2.10	1.70		
	6	4.52	4.24	4.80	9.76	35.90	20.79	62.60	20.79	6.80	3.00	2.00	1.70		
	7	5.22	14.54	4.80	19.15	46.70	20.79	54.60	19.62	6.80	3.00	2.00	1.70		
	8	7.20	5.22	4.94	19.85	69.80	22.73	47.75	18.68	6.80	3.00	2.00	1.70		
	9	5.08	8.64	5.36	19.38	67.80	26.71	41.78	18.91	6.80	3.00	2.00	1.50		
	10	4.52	13.00	4.80	26.97	72.60	33.50	41.45	19.62	6.80	2.90	2.10	1.50		
	11	3.99	19.15	4.80	19.85	70.60	40.48	44.70	19.62	6.80	2.90	2.10	1.50		
	12	3.77	16.58	4.80	17.74	67.80	67.40	55.80	18.21	6.80	2.90	1.90	1.50		
	13	4.80	7.20	4.80	23.00	143.60	67.00	38.30	17.27	6.60	2.70	1.80	1.50		
	14	4.38	5.22	4.52	23.53	58.20	70.60	38.60	17.04	6.00	2.70	1.90	1.70		
	15	3.55	4.94	5.36	21.73	37.40	83.18	43.40	17.27	6.00	2.70	1.90	2.10		
	16	3.55	5.36	5.08	15.66	35.90	78.90	34.70	17.74	6.00	2.70	2.60	2.20		
	17	3.55	5.08	4.80	13.00	39.83	64.60	33.20	19.38	6.00	2.50	6.60	2.50		
	18	3.33	8.46	4.80	10.71	38.00	53.00	32.90	21.03	6.00	2.50	7.00	2.30		
	19	8.10	11.32	4.80	10.33	31.40	50.20	30.50	20.56	6.00	2.50	4.80	2.20		
	20	7.56	25.38	4.80	13.22	27.24	46.35	30.80	18.68	6.00	2.50	4.00	2.80		
	21	9.38	63.80	4.38	21.03	24.32	53.80	29.90	18.21	5.80	2.50	4.00	1.90		
	22	7.56	31.70	3.88	22.73	24.06	49.85	27.80	17.50	5.20	2.50	4.00	1.90		
	23	4.66	19.15	3.55	30.50	27.24	42.75	27.80	16.81	4.80	2.50	3.80	1.80		
	24	3.99	17.50	3.55	24.32	27.24	47.40	26.44	14.98	4.00	2.50	3.00	1.50		
	25	3.66	11.95	3.55	17.27	23.53	57.40	24.85	14.98	4.00	2.50	2.50	1.50		
	26	3.99	9.19	3.77	12.37	40.80	56.60	25.12	10.75	4.00	2.70	2.50	1.50		
	27	3.66	7.56	4.80	9.57	71.80	52.30	25.38	10.75	4.00	2.70	2.40	1.50		
	28	3.99	6.01	4.80	11.74	53.00	42.10	26.44	10.75	4.00	2.70	2.10	1.50		
	29	3.55	6.01	4.80	14.10	33.20	37.40	24.32	10.75	4.00	2.30		1.50		
	30	3.55	8.46	4.80	11.95	33.20	35.30	23.00	10.75	4.00	1.90		1.50		
	31		15.66		13.22	24.32		21.97		4.00	1.90		1.50		
Total		150.87	378.26	144.93	520.53	1327.48	1354.62	1562.15	529.11	187.00	85.20	78.80	55.50	6374.45	CMSDAY
Mean		5.03	12.20	4.83	16.79	42.82	45.15	50.39	17.64	6.03	2.75	2.81	1.79	17.46	CMS
Max		10.33	63.80	8.82	30.50	143.60	83.18	216.75	22.47	9.75	4.00	7.00	2.80	216.75	CMS
Min		3.33	3.88	3.55	9.57	19.15	20.79	21.97	10.75	4.00	1.90	1.80	1.50	1.50	CMS
Runoff		13.04	32.68	12.52	44.97	114.69	117.04	134.97	45.72	16.16	7.36	6.81	4.80	550.75	MCM
Momentary Peak		249.00	CMS.	at 352.56 m. (MSL.) at 24.00 Hours , on Oct 3, 2022											
Runoff Yield		9.32	Liters/Second/Square KM.			Momentary Peak Yield			132.94	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.83	1.96	2.16	3.49	4.72	5.12	13.26	5.52	5.12	2.94	2.55	1.83	
2	1.77	2.09	2.16	3.77	6.81	5.12	51.69	5.44	5.12	2.94	2.48	1.83	
3	1.77	2.29	2.16	4.19	6.45	5.12	46.59	5.12	4.96	2.94	2.48	1.83	
4	1.77	2.35	2.29	3.70	5.92	7.30	33.24	5.12	4.72	2.87	2.35	1.83	
5	1.77	2.55	2.29	4.26	5.36	5.52	22.61	5.04	4.72	2.87	2.09	1.83	
6	1.77	2.09	2.68	3.84	4.40	6.27	15.85	4.72	4.64	2.87	2.09	1.83	
7	1.77	1.96	4.72	3.21	5.84	11.10	12.30	4.72	4.33	2.87	2.09	1.83	
8	1.77	2.35	3.14	2.94	8.50	8.30	12.18	4.72	4.19	2.87	2.03	1.83	
9	1.77	2.87	3.63	2.94	12.18	19.20	12.18	4.88	4.12	2.87	1.90	1.83	
10	1.70	2.22	3.63	4.12	6.36	16.75	12.90	5.60	3.98	2.87	1.90	1.77	
11	1.70	2.16	3.63	11.22	4.96	20.90	14.67	5.60	3.98	2.87	1.90	1.77	
12	1.70	2.48	3.28	5.60	4.19	21.09	11.82	5.52	3.91	2.81	1.90	1.77	
13	1.83	5.36	3.00	7.40	3.63	7.40	9.67	5.28	3.63	2.81	1.83	1.90	
14	1.83	16.00	3.28	4.19	3.49	16.00	10.44	5.12	3.63	2.81	1.83	2.29	
15	1.77	5.76	3.21	3.49	3.49	14.28	14.41	5.12	3.63	2.81	1.83	2.29	
16	1.77	4.72	2.55	3.28	3.63	12.06	9.78	5.20	3.63	2.87	2.03	2.29	
17	1.83	2.94	2.29	3.28	4.19	10.88	8.80	5.36	3.63	2.87	2.29	2.29	
18	1.83	2.61	2.29	3.91	3.49	9.89	8.70	5.36	3.63	2.87	3.28	2.42	
19	1.77	2.48	2.29	7.10	2.94	9.89	8.10	5.44	3.63	2.81	3.98	2.55	
20	1.77	2.42	2.61	5.28	2.94	11.22	7.50	5.60	3.56	2.81	2.94	3.00	
21	1.77	2.16	2.68	4.05	3.14	14.67	6.81	5.28	3.56	2.74	2.81	2.81	
22	1.77	2.16	3.21	4.33	4.48	9.01	6.36	5.12	3.56	2.74	2.74	2.81	
23	1.96	2.16	3.14	3.98	6.45	10.22	6.27	5.12	3.49	2.74	2.55	2.68	
24	2.29	2.29	2.55	3.42	5.60	20.90	6.45	5.04	3.49	2.74	2.29	2.29	
25	2.16	2.29	2.55	2.94	4.48	23.18	7.40	4.96	3.28	2.74	2.16	2.16	
26	2.09	2.22	3.28	2.94	4.80	29.44	6.36	4.72	3.14	2.74	1.83	2.16	
27	2.29	2.09	3.63	2.94	3.49	29.86	5.92	5.04	3.14	2.74	1.83	2.16	
28	2.29	2.09	3.35	2.87	3.35	14.02	6.00	6.63	3.07	2.74	1.83	2.03	
29	2.16	2.16	3.49	2.61	3.63	11.58	6.36	5.68	3.07	2.74		2.03	
30	2.09	2.16	2.94	2.68	3.49	9.89	6.36	5.12	2.94	2.74		1.83	
31		2.29		2.94	3.49		6.36		2.94	2.74		1.83	
Total	56.36	93.73	88.11	126.91	149.89	396.18	407.34	157.19	118.44	87.39	63.81	65.60	1810.95 CMSDAY
Mean	1.88	3.02	2.94	4.09	4.84	13.21	13.14	5.24	3.82	2.82	2.28	2.12	4.96 CMS
Max	2.29	16.00	4.72	11.22	12.18	29.86	51.69	6.63	5.12	2.94	3.98	3.00	51.69 CMS
Min	1.70	1.96	2.16	2.61	2.94	5.12	5.92	4.72	2.94	2.74	1.83	1.77	1.70 CMS
Runoff	4.87	8.10	7.61	10.97	12.95	34.23	35.19	13.58	10.23	7.55	5.51	5.67	156.47 MCM
Momentary Peak	55.84 CMS. at 343.93 m. (MSL.) at 09.00 Hours , on Oct 2, 2022												
Runoff Yield	13.48	Liters/Second/Square KM.		Momentary Peak Yield		151.74	Liters/Second/Square KM.						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.74	5.76	29.40	15.26	32.20	109.80	141.60	48.71	25.86	21.16	21.84	10.79		
2	3.84	6.52	26.24	22.18	43.34	100.70	343.15	60.05	25.86	23.20	19.14	9.30		
3	19.40	8.04	23.96	29.00	46.75	87.80	544.20	66.20	25.86	22.86	19.47	18.48		
4	11.92	8.04	19.14	26.62	47.73	76.40	528.60	63.90	24.72	19.47	23.20	24.34		
5	8.80	6.90	16.19	22.86	40.94	71.00	362.10	61.70	23.96	15.26	23.20	19.80		
6	6.14	6.52	17.82	23.20	52.26	67.40	260.00	58.46	27.00	17.16	18.81	18.48		
7	6.14	25.86	18.48	31.00	81.80	75.20	201.20	53.28	27.00	26.62	15.57	25.86		
8	7.66	24.72	19.80	33.00	99.40	63.35	175.60	48.71	20.14	23.96	20.14	22.52		
9	7.66	22.52	13.71	40.94	162.80	78.20	152.00	48.71	17.82	19.47	16.83	18.48		
10	7.28	28.60	20.14	30.60	208.70	133.90	148.25	48.71	20.14	20.48	16.50	23.96		
11	6.90	39.98	18.81	33.00	203.60	182.00	168.40	48.71	16.19	21.84	17.82	22.86		
12	7.28	46.75	17.49	30.60	188.40	277.00	149.75	48.71	17.49	22.86	16.19	22.86		
13	2.68	32.60	17.82	23.58	290.00	308.00	121.30	48.71	19.14	23.96	20.14	21.16		
14	4.42	25.86	19.47	24.72	356.80	313.00	110.45	48.71	21.50	26.24	18.15	21.84		
15	7.66	24.34	18.48	44.79	198.00	309.00	122.70	48.22	26.24	28.20	9.30	19.14		
16	7.28	23.58	21.50	38.60	143.00	246.50	105.25	47.73	26.24	18.15	10.79	9.06		
17	7.28	21.16	14.33	30.20	140.90	209.60	94.20	47.24	19.47	14.64	33.40	18.15		
18	5.38	29.40	21.16	24.72	134.60	202.00	84.20	46.75	23.58	14.95	40.46	27.00		
19	1.55	33.80	16.50	22.18	115.70	198.00	77.60	46.26	26.24	13.40	32.20	24.34		
20	5.76	47.73	14.95	21.16	87.20	170.80	71.60	47.24	23.58	16.19	30.20	26.62		
21	4.71	94.20	19.80	23.58	74.00	170.80	65.60	47.24	17.49	25.86	25.86	24.72		
22	7.66	196.40	21.16	31.80	74.60	185.20	63.35	42.86	22.52	26.62	19.14	21.50		
23	6.52	152.75	19.80	60.60	86.60	179.60	65.60	39.98	19.14	17.49	17.82	18.81		
24	3.84	90.30	17.16	80.00	103.95	198.80	66.80	41.42	16.19	20.48	17.16	19.47		
25	5.76	60.60	17.82	69.20	112.40	255.50	59.50	38.60	20.82	15.26	20.82	18.81		
26	6.90	46.75	18.81	46.26	124.80	255.50	54.30	38.15	21.50	20.14	19.80	24.34		
27	4.71	38.60	14.02	33.40	161.20	271.00	51.75	34.20	16.50	22.18	17.16	22.18		
28	4.42	33.40	15.88	25.10	205.20	221.30	56.38	35.45	22.18	23.58	14.02	24.72		
29	5.00	26.24	15.57	21.16	202.00	174.00	54.82	33.80	23.58	26.24		18.81		
30	6.14	23.96	15.57	22.52	140.90	146.00	55.86	29.40	22.52	24.72		17.82		
31		26.24		25.86	119.90		51.75		17.49	13.11		22.18		
Total	191.43	1258.12	560.98	1007.69	4079.67	5337.35	4607.86	1417.81	677.96	645.75	575.13	638.40	20998.15	CMSDAY
Mean	6.38	40.58	18.70	32.51	131.60	177.91	148.64	47.26	21.87	20.83	20.54	20.59	57.53	CMS
Max	19.40	196.40	29.40	80.00	356.80	313.00	544.20	66.20	27.00	28.20	40.46	27.00	544.20	CMS
Min	0.74	5.76	13.71	15.26	32.20	63.35	51.75	29.40	16.19	13.11	9.30	9.06	0.74	CMS
Runoff	16.54	108.70	48.47	87.06	352.48	461.15	398.12	122.50	58.58	55.79	49.69	55.16	1814.24	MCM
Momentary Peak	570.60 CMS. at 308.43 m. (MSL.) at 16.00 Hours , on Oct 3, 2022													
Runoff Yield	9.57	Liters/Second/Square KM.			Momentary Peak Yield			94.88	Liters/Second/Square KM.					

WATER YEAR : 2022**WANG RIVER BASIN****Wang River at Setuwaree Bridge , Lampang (W.1C)**

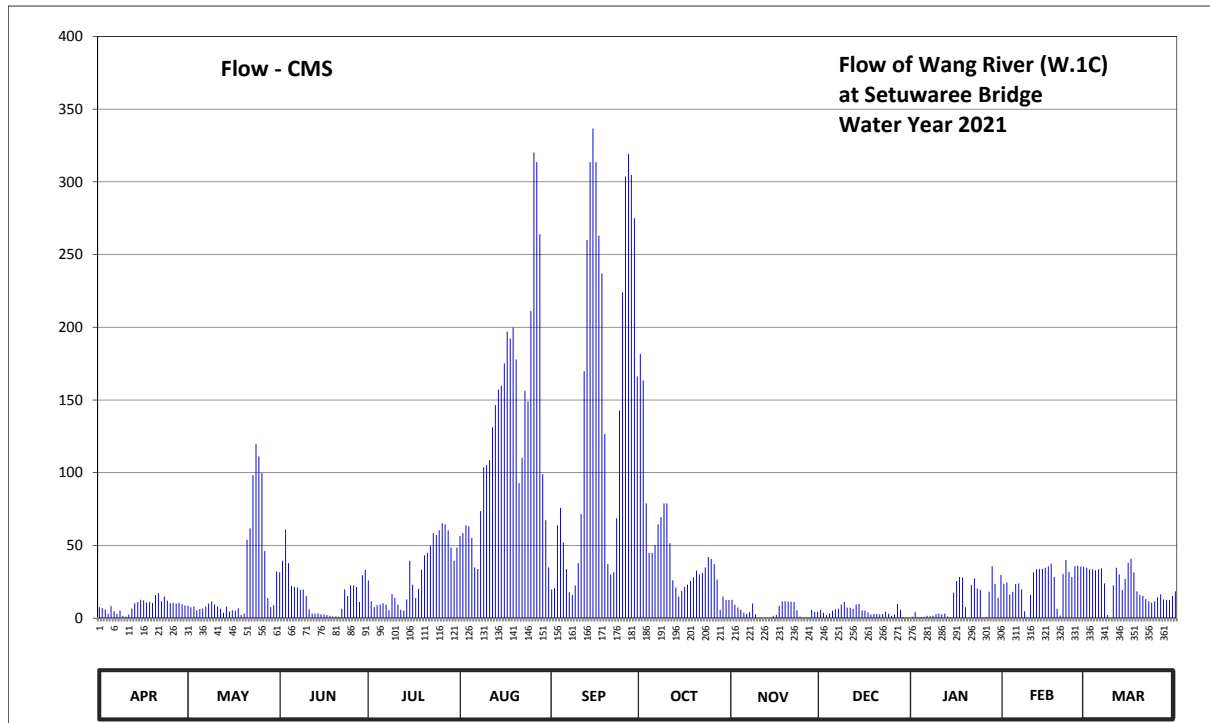
Lat 18 - 17 - 59 N Long 99 - 30 - 40 E

Location : on left bank at the bridge.

	Ban Setuwaree Bridge	Amphoe Mueang	Changwat Lampang
Drainge Area	3,434 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+229.300 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank at the approach of the bridge.	Elevation	+234.725 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1990 - 1998, 2006 to date		
Rating Operation			
Period of Rating	1990 - 1998, 2006 to date		
Rated by Float	-		
Rated by Current Meter	1990 - 1998, 2006 to date		
Stability of Channel Regimes	Fairly stable because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Stage-discharge relation defined by 42 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	229.54	229.59	229.51	229.40	229.93	229.27	231.45	229.78	228.94	228.69	230.14	230.46	
2	229.51	229.54	229.65	229.09	229.96	229.29	231.25	229.62	228.86	228.89	230.17	230.43	
3	229.47	229.57	230.00	229.00	230.04	230.04	230.25	229.53	228.77	228.66	229.91	230.43	
4	229.30	229.44	229.62	229.03	230.03	230.21	229.74	229.46	228.84	228.67	229.97	230.41	
5	229.58	229.48	229.32	229.04	229.91	229.86	229.74	229.35	228.92	228.69	230.14	230.43	
6	229.41	229.50	229.31	229.06	229.57	229.55	229.83	229.29	228.95	228.74	230.15	230.45	
7	229.28	229.56	229.30	229.04	229.55	229.23	230.05	229.38	228.96	228.72	230.02	230.15	
8	229.43	229.66	229.26	228.93	230.18	229.19	230.12	229.66	229.04	228.74	229.41	229.22	
9	229.15	229.72	229.27	229.20	230.57	229.33	230.25	229.26	229.08	228.81	228.99	228.92	
10	229.09	229.63	229.17	229.14	230.59	229.62	230.25	228.95	228.99	228.83	229.90	230.11	
11	229.26	229.57	228.95	229.04	230.63	230.15	229.85	228.82	228.98	228.80	230.37	230.46	
12	229.50	229.49	228.83	228.94	230.89	231.32	229.40	228.77	228.96	228.83	230.43	230.33	
13	229.67	229.35	228.83	228.92	231.06	232.25	229.30	228.72	229.04	228.71	230.44	230.01	
14	229.71	229.56	228.84	229.12	231.18	232.76	229.16	228.88	229.05	229.06	230.44	230.24	
15	229.78	229.40	228.80	229.65	231.21	232.97	229.25	229.14	228.93	229.95	230.46	230.56	
16	229.76	229.44	228.80	229.34	231.38	232.76	229.31	229.23	228.92	230.20	230.49	230.63	
17	229.69	229.43	228.77	229.14	231.61	232.28	229.34	229.59	228.87	230.28	230.54	230.37	
18	229.71	229.51	228.74	229.28	231.56	232.02	229.39	229.73	228.80	230.27	230.28	229.98	
19	229.68	229.23	228.71	229.54	231.64	230.84	229.44	229.73	228.82	229.54	229.49	229.90	
20	229.90	229.31	228.71	229.71	231.41	229.61	229.53	229.72	228.82	228.87	229.19	229.88	
21	229.94	229.89	228.70	229.74	230.43	229.48	229.48	229.72	228.80	230.12	230.34	229.80	
22	229.73	230.01	228.96	229.82	230.65	229.51	229.50	229.71	228.81	230.25	230.61	229.73	
23	229.86	230.50	229.27	229.96	231.17	230.11	229.57	229.44	228.90	230.04	230.38	229.69	
24	229.75	230.76	229.17	229.94	231.09	231.02	229.69	229.10	228.83	230.01	230.28	229.73	
25	229.67	230.66	229.33	229.99	231.76	231.89	229.67	229.02	228.73	228.94	230.49	229.84	
26	229.68	230.52	229.33	230.06	232.82	232.67	229.61	228.99	228.79	229.08	230.50	229.91	
27	229.66	229.76	229.31	230.05	232.76	232.81	229.41	228.97	229.05	229.97	230.48	229.79	
28	229.68	229.14	229.08	229.99	232.29	232.68	229.45	228.94	228.94	230.49	230.48	229.77	
29	229.64	229.00	229.47	229.80	230.51	232.40	229.86	228.89	228.63	230.14		229.77	
30	229.60	229.03	229.54	229.65	230.09	231.28	229.77	228.89	228.58	229.83		229.87	
31		229.52		229.80	229.57		229.77		228.56	230.32		229.98	
Mean	229.59	229.64	229.15	229.43	230.84	230.88	229.76	229.28	228.88	229.39	230.16	230.04	
Max	229.94	230.76	230.00	230.06	232.82	232.97	231.45	229.78	229.08	230.49	230.61	230.63	232.97
Min	229.09	229.00	228.70	228.92	229.55	229.19	229.16	228.72	228.56	228.66	228.99	228.92	228.56
Annual Max Momentary Gage Height	233.04		m. (MSL.) ,			at 07.00 Hours , on Sep 15, 2022							
Zero Gage at Bottom Elevation	229.30		m. (MSL.) ,			River Bed	227.55	m. (MSL.)					
Left Bank Elevation		234.44		m. (MSL.) ,									
Right Bank Elevation		235.10		m. (MSL.) ,		Drainage Are	3,434	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	7.44	8.49	31.55	26.00	56.45	19.65	181.75	12.66	5.74	0.93	23.55	34.60		
2	6.81	7.44	39.50	11.56	58.40	20.55	163.50	9.14	3.70	4.30	24.53	33.55		
3	5.97	8.07	61.00	7.60	63.80	63.80	78.88	7.23	2.05	0.72	16.30	33.55		
4	3.00	5.34	37.70	8.92	63.10	75.78	44.90	5.76	3.30	0.79	18.10	32.85		
5	8.28	6.18	22.00	9.36	55.15	52.10	44.90	3.75	5.12	0.93	23.55	33.55		
6	4.71	6.60	21.50	10.24	34.85	33.75	50.30	2.88	6.05	1.60	23.88	34.25		
7	2.76	7.86	21.00	9.36	33.75	17.85	64.50	4.20	6.36	1.30	19.65	23.88		
8	5.13	10.02	19.20	5.43	73.60	16.05	69.40	10.02	9.36	1.60	4.71	2.04		
9	1.40	11.34	19.65	16.50	103.68	22.50	78.88	2.52	11.12	2.70	0.30	0.26		
10	0.93	9.36	15.15	13.80	105.23	37.70	78.88	0.28	7.29	3.10	16.00	22.58		
11	2.52	8.07	6.05	9.36	108.55	71.50	51.50	0.21	6.98	2.50	31.45	34.60		
12	6.60	6.39	3.10	5.74	131.10	169.80	26.00	0.19	6.36	3.10	33.55	30.05		
13	10.24	3.75	3.10	5.12	146.40	260.00	21.00	0.16	9.36	1.15	33.90	19.33		
14	11.12	7.86	3.30	12.90	157.20	313.60	14.70	0.24	9.80	0.72	33.90	26.90		
15	12.66	4.50	2.50	39.50	159.90	336.70	18.75	1.32	5.43	17.50	34.60	38.10		
16	12.22	5.34	2.50	23.00	175.20	313.60	21.50	2.16	5.12	25.50	35.65	40.78		
17	10.68	5.13	2.05	13.80	196.95	263.00	23.00	8.49	3.90	28.30	37.40	31.45		
18	11.12	6.81	1.60	20.10	192.20	237.00	25.50	11.56	2.50	27.95	28.30	18.40		
19	10.46	2.16	1.15	33.20	199.80	126.60	28.00	11.56	2.90	7.44	6.39	16.00		
20	16.00	3.15	1.15	43.10	177.95	37.10	32.65	11.34	2.90	0.24	1.72	15.42		
21	17.20	53.90	1.00	44.90	92.83	30.00	30.00	11.34	2.50	22.90	30.40	13.10		
22	11.56	61.70	6.36	49.70	110.25	31.55	31.00	11.12	2.70	27.25	39.93	11.56		
23	14.84	98.25	19.65	58.40	156.30	68.70	34.85	5.34	4.50	20.30	31.80	10.68		
24	12.00	119.60	15.15	57.10	149.10	142.80	41.90	1.00	3.10	19.33	28.30	11.56		
25	10.24	111.10	22.50	60.35	211.20	224.00	40.70	0.44	1.45	0.27	35.65	14.26		
26	10.46	99.80	22.50	65.20	320.20	303.70	37.10	0.30	2.35	0.86	36.00	16.30		
27	10.02	46.10	21.50	64.50	313.60	319.10	26.50	0.29	9.80	18.10	35.30	12.88		
28	10.46	13.80	11.12	60.35	264.00	304.80	5.55	5.74	5.74	35.65	35.30	12.44		
29	9.58	7.60	29.50	48.50	99.03	275.00	14.84	4.30	0.51	23.55		12.44		
30	8.70	8.92	33.20	39.50	67.30	166.20	12.44	4.30	0.26	13.97		15.13		
31		32.10		48.50	34.85		12.44		0.22	29.70		18.40		
Total	265.11	786.73	497.23	921.59	4111.92	4354.48	1405.81	149.84	148.47	344.25	720.11	670.89	14376.43	CMSDAY
Mean	8.84	25.38	16.57	29.73	132.64	145.15	45.35	4.99	4.79	11.10	25.72	21.64	39.39	CMS
Max	17.20	119.60	61.00	65.20	320.20	336.70	181.75	12.66	11.12	35.65	39.93	40.78	336.70	CMS
Min	0.93	2.16	1.00	5.12	33.75	16.05	5.55	0.16	0.22	0.24	0.30	0.26	0.16	CMS
Runoff	22.91	67.97	42.96	79.63	355.27	376.23	121.46	12.95	12.83	29.74	62.22	57.96	1242.12	MCM
Momentary Peak	CMS. at 233.04 m. (MSL.) at 07.00 Hours , on Sep 15, 2022													
Runoff Yield	11.47	Liters/Second/Square KM.			Momentary Peak Yield			100.29	Liters/Second/Square KM.					

WATER YEAR : 2022

WANG RIVER BASIN

Wang River at Ban Don Chai , Lampang (W.3A)

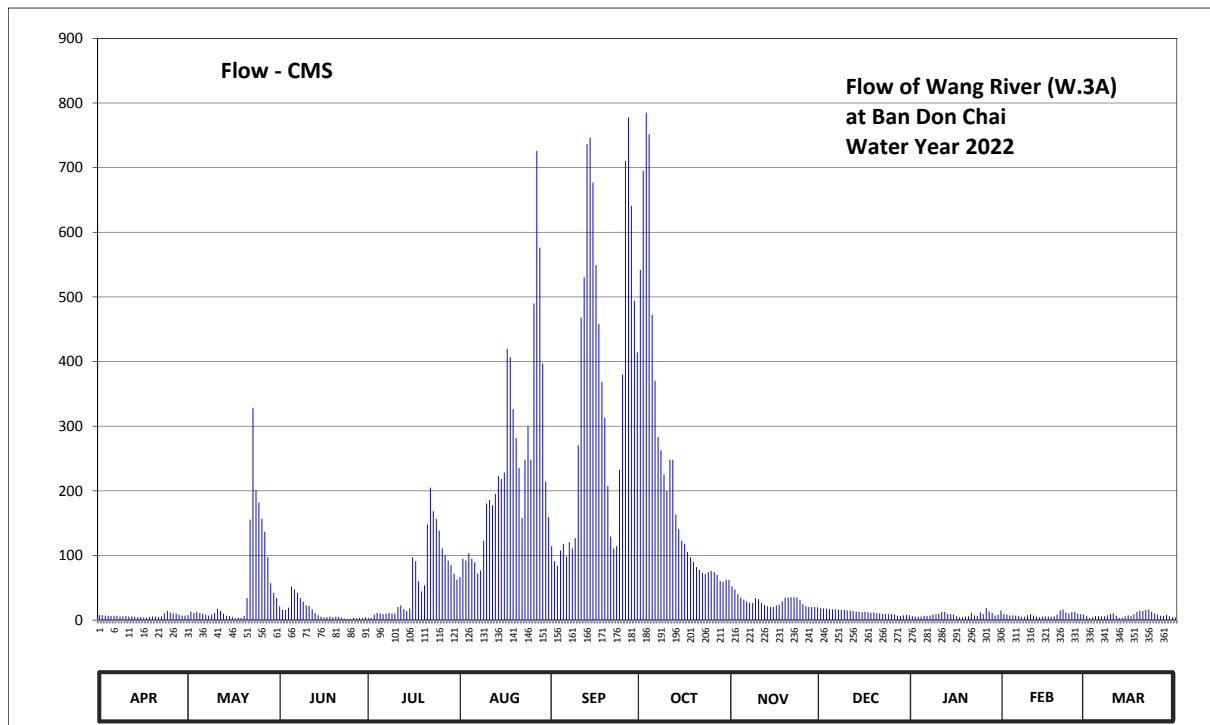
Lat 17 - 38 - 29 N Long 99 - 13 - 55 E

Location : on right bank about 30 meters upstream from Siriyong Bridge.

	Ban Don Chai	Amphoe Thoen	Changwat Lampang
Drainge Area	8,929 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+161.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank about 15 meters from automatic gage building	Elevation	+167.074 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1967 to date		
Rating Operation			
Period of Rating	1967 to date		
Rated by Float	-		
Rated by Current Meter	1967 to date		
Stability of Channel Regimes	Fairly stable because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. The channel is filled of the Mimosa pudica plants. Stage-discharge relation defined by 33 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	160.58	160.58	160.83	160.42	161.33	161.81	164.40	161.14	160.54	160.15	160.28	160.18	
2	160.58	160.71	160.76	160.43	161.63	161.59	165.01	161.08	160.52	160.12	160.25	160.01	
3	160.56	160.66	160.75	160.61	161.60	161.52	165.36	160.97	160.52	160.10	160.19	160.09	
4	160.55	160.70	160.81	160.67	161.71	161.75	165.23	160.88	160.51	160.11	160.21	160.15	
5	160.54	160.66	161.14	160.65	161.63	161.84	164.08	160.82	160.49	160.18	160.19	160.16	
6	160.55	160.63	161.08	160.62	161.57	161.66	163.55	160.77	160.49	160.16	160.17	160.14	
7	160.55	160.60	161.01	160.64	161.40	161.86	163.05	160.73	160.48	160.19	160.10	160.14	
8	160.51	160.56	160.95	160.67	161.45	161.78	162.92	160.72	160.47	160.25	160.12	160.21	
9	160.52	160.61	160.91	160.65	161.88	161.91	162.66	160.86	160.47	160.27	160.21	160.28	
10	160.53	160.66	160.85	160.64	162.33	162.97	162.47	160.83	160.44	160.30	160.27	160.32	
11	160.52	160.78	160.84	160.82	162.37	164.06	162.82	160.72	160.43	160.37	160.19	160.17	
12	160.52	160.73	160.77	160.85	162.31	164.35	162.82	160.65	160.41	160.38	160.11	160.02	
13	160.50	160.64	160.66	160.77	162.44	165.17	162.20	160.61	160.40	160.28	160.06	160.01	
14	160.48	160.56	160.57	160.73	162.64	165.21	162.02	160.59	160.39	160.27	160.12	160.13	
15	160.47	160.54	160.50	160.79	162.61	164.94	161.88	160.59	160.37	160.24	160.13	160.21	
16	160.44	160.50	160.46	161.65	162.68	164.43	161.84	160.64	160.38	160.15	160.11	160.18	
17	160.45	160.40	160.47	161.59	163.81	164.01	161.73	160.66	160.36	160.06	160.11	160.27	
18	160.49	160.45	160.52	161.24	163.74	163.54	161.65	160.77	160.35	160.06	160.14	160.38	
19	160.52	160.43	160.48	161.04	163.31	163.23	161.58	160.87	160.35	160.13	160.25	160.44	
20	160.51	160.53	160.50	161.16	163.04	162.53	161.50	160.88	160.32	160.14	160.45	160.42	
21	160.50	160.95	160.48	162.08	162.73	161.93	161.46	160.89	160.31	160.34	160.49	160.47	
22	160.52	162.14	160.44	162.51	162.16	161.78	161.41	160.89	160.30	160.20	160.35	160.48	
23	160.65	163.32	160.34	162.24	162.82	161.81	161.39	160.88	160.29	160.17	160.31	160.39	
24	160.73	162.48	160.29	162.15	163.15	162.71	161.42	160.81	160.27	160.36	160.38	160.31	
25	160.68	162.34	160.32	162.00	162.82	163.60	161.44	160.68	160.27	160.27	160.37	160.24	
26	160.65	162.15	160.43	161.78	164.17	165.07	161.42	160.61	160.25	160.54	160.30	160.18	
27	160.64	161.99	160.39	161.68	165.13	165.33	161.37	160.58	160.18	160.40	160.27	160.15	
28	160.60	161.65	160.42	161.60	164.54	164.80	161.25	160.58	160.15	160.33	160.24	160.23	
29	160.56	161.21	160.41	161.53	163.69	164.19	161.23	160.58	160.21	160.19		160.15	
30	160.56	161.01	160.48	161.40	162.58	163.78	161.27	160.57	160.24	160.24		160.07	
31		160.95		161.28	162.17		161.27		160.22	160.44		160.05	
Mean	160.55	161.04	160.63	161.19	162.63	163.17	162.38	160.76	160.37	160.24	160.23	160.21	
Max	160.73	163.32	161.14	162.51	165.13	165.33	165.36	161.14	160.54	160.54	160.49	160.48	165.36
Min	160.44	160.40	160.29	160.42	161.33	161.52	161.23	160.57	160.15	160.06	160.06	160.01	160.01
Annual Max Momentary Gage Height	165.52	m. (MSL.) ,		at 01.00 Hours , on Sep 14, 2022									
Zero Gage at Bottom Elevation	161.00	m. (MSL.) ,		River Bed		158.97	m. (MSL.)						
Left Bank Elevation		169.12	m. (MSL.) ,										
Right Bank Elevation		169.08	m. (MSL.) ,		Drainage Are		8,929	Square Kilometers					

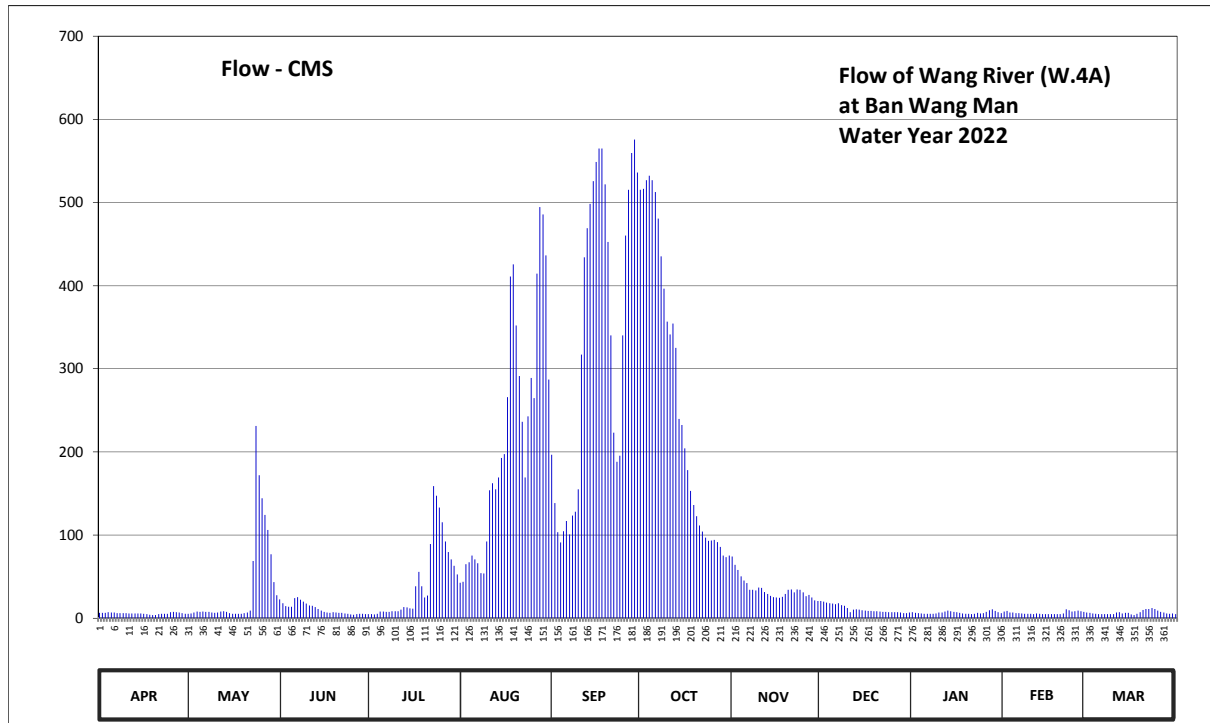


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	7.66	7.66	21.05	3.26	66.66	114.25	542.00	52.18	18.60	6.15	9.44	6.78		
2	7.66	13.10	16.10	3.49	95.15	91.00	695.07	47.60	17.80	5.52	8.60	3.48		
3	7.02	10.82	15.50	8.72	92.00	84.00	785.20	39.85	17.80	5.10	6.99	4.92		
4	6.70	12.50	19.35	11.24	103.55	107.75	751.73	34.90	17.40	5.31	7.48	6.15		
5	6.38	10.82	51.65	10.40	95.15	118.00	472.00	31.60	16.64	6.78	6.99	6.36		
6	6.70	9.56	47.30	9.14	89.00	98.30	370.50	29.00	16.64	6.36	6.57	5.94		
7	6.70	8.30	42.23	9.98	72.00	120.50	283.25	27.00	16.28	6.99	5.10	5.94		
8	5.42	7.02	34.25	11.24	77.00	110.90	263.00	26.50	15.92	8.60	5.52	7.48		
9	5.74	8.72	28.45	10.40	123.00	126.75	225.40	33.80	15.92	9.16	7.48	9.44		
10	6.06	10.82	22.75	9.98	180.55	270.50	199.45	32.15	14.84	10.00	9.16	10.68		
11	5.74	17.30	21.90	20.20	185.95	468.00	248.00	26.50	14.48	12.38	6.99	6.57		
12	5.74	14.30	16.70	22.75	177.85	530.50	248.00	23.25	13.76	12.72	5.31	3.66		
13	5.10	9.98	10.82	16.70	195.40	736.28	163.00	21.45	13.40	9.44	4.38	3.48		
14	4.64	7.02	7.34	14.30	222.60	746.58	140.50	20.60	13.06	9.16	5.52	5.73		
15	4.41	6.38	5.10	17.90	218.40	677.05	123.00	20.60	12.38	8.32	5.73	7.48		
16	3.72	5.10	4.18	97.25	228.20	549.35	118.00	22.80	12.72	6.15	5.31	6.78		
17	3.95	2.80	4.41	91.00	419.90	458.00	105.65	23.70	12.04	4.38	5.31	9.16		
18	4.87	3.95	5.74	59.80	406.60	368.60	97.25	29.00	11.70	4.38	5.94	12.72		
19	5.74	3.49	4.64	44.55	326.70	313.10	90.00	34.35	11.70	5.73	8.60	14.84		
20	5.42	6.06	5.10	53.70	281.60	207.55	82.00	34.90	10.68	5.94	15.20	14.12		
21	5.10	34.25	4.64	148.00	235.20	129.25	78.00	35.45	10.34	11.36	16.64	15.92		
22	5.74	155.50	3.72	204.85	158.00	110.90	73.00	35.45	10.00	7.20	11.70	16.28		
23	10.40	328.40	2.20	168.40	248.00	114.25	71.24	34.90	9.72	6.57	10.34	13.06		
24	14.30	200.80	1.74	156.75	299.75	232.40	74.00	31.05	9.16	12.04	12.72	10.34		
25	11.66	181.90	2.00	138.00	248.00	380.00	76.00	24.60	9.16	9.16	12.38	8.32		
26	10.40	156.75	3.49	110.90	490.00	710.52	74.00	21.45	8.60	18.60	10.00	6.78		
27	9.98	136.75	2.70	100.40	725.97	777.48	69.71	20.20	6.78	13.40	9.16	6.15		
28	8.30	97.25	3.26	92.00	576.30	641.00	60.56	20.20	6.15	11.02	8.32	8.04		
29	7.02	56.80	3.03	85.00	397.10	494.00	59.04	20.20	7.48	6.99		6.15		
30	7.02	42.23	4.64	72.00	214.30	414.20	62.09	19.80	8.32	8.32		4.56		
31		34.25		62.85	159.25		62.09		7.76	14.84		4.20		
Total	205.29	1600.58	415.98	1865.15	7409.13	10300.96	6762.73	875.03	387.23	268.07	232.88	251.51	30574.54	CMSDAY
Mean	6.84	51.63	13.87	60.17	239.00	343.37	218.15	29.17	12.49	8.65	8.32	8.11	83.77	CMS
Max	14.30	328.40	51.65	204.85	725.97	777.48	785.20	52.18	18.60	18.60	16.64	16.28	785.20	CMS
Min	3.72	2.80	1.74	3.26	66.66	84.00	59.04	19.80	6.15	4.38	4.38	3.48	1.74	CMS
Runoff	17.74	138.29	35.94	161.15	640.15	890.00	584.30	75.60	33.46	23.16	20.12	21.73	2641.64	MCM
Momentary Peak	826.40	CMS.	at 165.52 m. (MSL.)	at 01.00 Hours	, on Sep 14, 2022									
Runoff Yield	9.38	Liters/Second/Square KM.			Momentary Peak Yield	92.55	Liters/Second/Square KM.							

	Ban	Wang Man	Amphoe	Sam Ngao	Changwat	Tak
Drainage Area	10,311	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+130.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	In front of Wat Wang Man				Elevation	+143.060 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1968 to date					
Rating Operation						
Period of Rating	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 19 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	130.86	130.78	131.38	130.74	131.81	133.99	136.74	132.38	131.33	130.90	130.93	130.88	
2	130.85	130.82	131.26	130.76	131.83	133.32	136.75	132.21	131.31	130.86	130.97	130.86	
3	130.85	130.88	131.17	130.73	132.22	132.85	136.83	132.10	131.28	130.83	130.88	130.82	
4	130.89	130.94	131.14	130.78	132.26	132.66	136.87	131.96	131.26	130.82	130.87	130.77	
5	130.87	130.92	131.14	130.93	132.40	132.87	136.83	131.86	131.25	130.80	130.83	130.75	
6	130.87	130.94	131.41	130.94	132.32	133.04	136.72	131.80	131.23	130.80	130.83	130.74	
7	130.84	130.91	131.44	130.91	132.24	132.81	136.47	131.63	131.26	130.79	130.81	130.74	
8	130.83	130.91	131.37	130.91	132.03	133.13	136.11	131.63	131.21	130.79	130.78	130.74	
9	130.83	130.88	131.31	130.96	132.02	133.19	135.79	131.61	131.18	130.81	130.77	130.74	
10	130.83	130.85	131.25	130.96	132.68	133.52	135.46	131.69	131.09	130.87	130.77	130.76	
11	130.81	130.87	131.20	130.95	133.51	135.12	135.33	131.68	130.89	130.88	130.76	130.87	
12	130.81	130.94	131.18	131.03	133.61	136.10	135.44	131.57	131.03	130.94	130.82	130.89	
13	130.81	130.96	131.13	131.13	133.52	136.38	135.19	131.52	131.04	130.99	130.79	130.82	
14	130.82	130.91	131.06	131.12	133.69	136.61	134.42	131.47	131.03	130.96	130.76	130.85	
15	130.81	130.84	130.98	131.08	133.95	136.82	134.35	131.44	131.01	130.91	130.76	130.86	
16	130.77	130.79	130.92	131.07	134.00	137.00	134.07	131.43	130.99	130.89	130.75	130.72	
17	130.74	130.78	130.88	131.72	134.66	137.12	133.79	131.42	130.97	130.85	130.75	130.65	
18	130.68	130.78	130.86	132.06	135.91	137.12	133.50	131.45	130.97	130.81	130.75	130.80	
19	130.65	130.77	130.89	131.72	136.03	136.79	133.29	131.52	130.95	130.78	130.75	130.90	
20	130.64	130.84	130.87	131.43	135.42	136.25	133.12	131.63	130.95	130.77	130.74	131.02	
21	130.74	130.87	130.86	131.48	134.89	135.32	132.97	131.64	130.94	130.76	130.82	131.05	
22	130.78	130.98	130.86	132.63	134.39	134.26	132.86	131.56	130.92	130.77	131.04	131.06	
23	130.78	132.29	130.82	133.57	133.69	133.90	132.75	131.64	130.91	130.86	131.01	131.09	
24	130.77	134.34	130.77	133.43	134.45	133.98	132.69	131.63	130.90	130.81	130.94	131.06	
25	130.90	133.72	130.73	133.25	134.87	135.32	132.70	131.56	130.89	130.84	130.95	130.99	
26	130.92	133.39	130.68	133.02	134.65	136.31	132.71	131.46	130.89	130.92	130.99	130.92	
27	130.89	133.14	130.74	132.68	135.94	136.74	132.67	131.50	130.90	131.00	130.95	130.87	
28	130.87	132.89	130.78	132.47	136.58	137.08	132.58	131.43	130.87	131.04	130.91	130.81	
29	130.84	132.43	130.77	132.32	136.51	137.20	132.40	131.35	130.84	130.97		130.79	
30	130.78	131.82	130.74	132.19	136.12	136.90	132.37	131.33	130.84	130.90		130.82	
31		131.49		132.00	134.85		132.40		130.87	130.84		130.76	
Mean	130.81	131.44	131.02	131.64	133.97	135.12	134.39	131.64	131.03	130.86	130.85	130.85	
Max	130.92	134.34	131.44	133.57	136.58	137.20	136.87	132.38	131.33	131.04	131.04	131.09	137.20
Min	130.64	130.77	130.68	130.73	131.81	132.66	132.37	131.33	130.84	130.76	130.74	130.65	130.64
Annual Max Momentary Gage Height		137.25	m. (MSL.) , at 17.00 Hours , on Sep 28, 2022										
Zero Gage at Bottom Elevation		130.00	m. (MSL.) , River Bed 129.53 m. (MSL.)										
Left Bank Elevation		142.77	m. (MSL.) ,										
Right Bank Elevation		142.72	m. (MSL.) , Drainage Area 10,311 Square Kilometers										



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	6.57	5.19	22.69	4.77	42.72	196.29	515.06	74.04	20.67	7.35	7.94	6.96		
2	6.38	5.79	17.83	4.98	43.75	138.44	516.35	64.18	19.86	6.57	8.72	6.57		
3	6.38	6.96	14.49	4.67	64.76	103.33	526.67	58.05	18.64	5.99	6.96	5.79		
4	7.16	8.13	13.57	5.19	67.08	90.87	531.83	50.44	17.83	5.79	6.77	5.09		
5	6.77	7.74	13.57	7.94	75.20	104.70	526.67	45.29	17.43	5.40	5.99	4.88		
6	6.77	8.13	23.96	8.13	70.56	116.66	512.48	42.20	16.62	5.40	5.99	4.77		
7	6.18	7.55	25.34	7.55	65.92	100.59	480.36	34.13	17.83	5.30	5.60	4.77		
8	5.99	7.55	22.29	7.55	54.17	123.55	435.04	34.13	15.81	5.30	5.19	4.77		
9	5.99	6.96	19.86	8.52	53.61	128.14	395.98	33.18	14.79	5.60	5.09	4.77		
10	5.99	6.38	17.43	8.52	92.16	154.76	356.42	36.98	12.05	6.77	5.09	4.98		
11	5.60	6.77	15.40	8.33	153.93	316.88	341.21	36.50	7.16	6.96	4.98	6.77		
12	5.60	8.13	14.79	10.22	162.28	433.80	354.08	31.32	10.22	8.13	5.79	7.16		
13	5.60	8.52	13.27	13.27	154.76	468.84	324.86	29.02	10.52	9.11	5.30	5.79		
14	5.79	7.55	11.13	12.96	169.32	498.29	239.40	26.72	10.22	8.52	4.98	6.38		
15	5.60	6.18	8.91	11.74	192.65	525.38	232.20	25.34	9.61	7.55	4.98	6.57		
16	5.09	5.30	7.74	11.44	197.20	548.60	204.20	24.88	9.11	7.16	4.88	4.56		
17	4.77	5.19	6.96	38.40	265.80	564.74	178.12	24.42	8.72	6.38	4.88	3.83		
18	4.14	5.19	6.57	55.83	410.62	564.74	153.10	25.80	8.72	5.60	4.88	5.40		
19	3.83	5.09	7.16	38.40	425.26	521.51	136.06	29.02	8.33	5.19	4.88	7.35		
20	3.72	6.18	6.77	24.88	351.74	452.40	122.78	34.13	8.33	5.09	4.77	9.91		
21	4.77	6.77	6.57	27.18	291.10	340.04	111.55	34.60	8.13	4.98	5.79	10.83		
22	5.19	8.91	6.57	88.94	236.20	223.20	104.01	30.86	7.74	5.09	10.52	11.13		
23	5.19	68.82	5.79	158.91	169.32	188.10	96.68	34.60	7.55	6.57	9.61	12.05		
24	5.09	231.20	5.09	147.29	242.70	195.38	92.81	34.13	7.35	5.60	8.13	11.13		
25	7.35	171.96	4.67	132.88	288.90	340.04	93.45	30.86	7.16	6.18	8.33	9.11		
26	7.74	144.01	4.14	115.13	264.70	459.88	94.10	26.26	7.16	7.74	9.11	7.74		
27	7.16	124.31	4.77	92.16	414.28	515.06	91.52	28.10	7.35	9.30	8.33	6.77		
28	6.77	106.07	5.19	79.33	494.44	559.36	85.82	24.88	6.77	10.52	7.55	5.60		
29	6.18	76.97	5.09	70.56	485.48	575.50	75.20	21.48	6.18	8.72		5.30		
30	5.19	43.23	4.77	63.05	436.28	535.70	73.46	20.67	6.18	7.35		5.79		
31		27.64		52.50	286.70		75.20		6.77	6.18		4.98		
Total	174.55	1144.37	342.38	1321.22	6723.59	10084.77	8076.67	1046.21	340.81	207.39	181.03	207.50	29850.49	CMSDAY
Mean	5.82	36.92	11.41	42.62	216.89	336.16	260.54	34.87	10.99	6.69	6.47	6.69	81.78	CMS
Max	7.74	231.20	25.34	158.91	494.44	575.50	531.83	74.04	20.67	10.52	10.52	12.05	575.50	CMS
Min	3.72	5.09	4.14	4.67	42.72	90.87	73.46	20.67	6.18	4.98	4.77	3.83	3.72	CMS
Runoff	15.08	98.87	29.58	114.15	580.92	871.32	697.82	90.39	29.45	17.92	15.64	17.93	2579.08	MCM
Momentary Peak	582.25 CMS. at 137.25 m. (MSL.) at 17.00 Hours , on Sep 28, 2022													
Runoff Yield	7.93	Liters/Second/Square KM.			Momentary Peak Yield			56.47	Liters/Second/Square KM.					

WATER YEAR : 2022**WANG RIVER BASIN****Wang River at Ban Don Mun , Lampang (W.10B)**

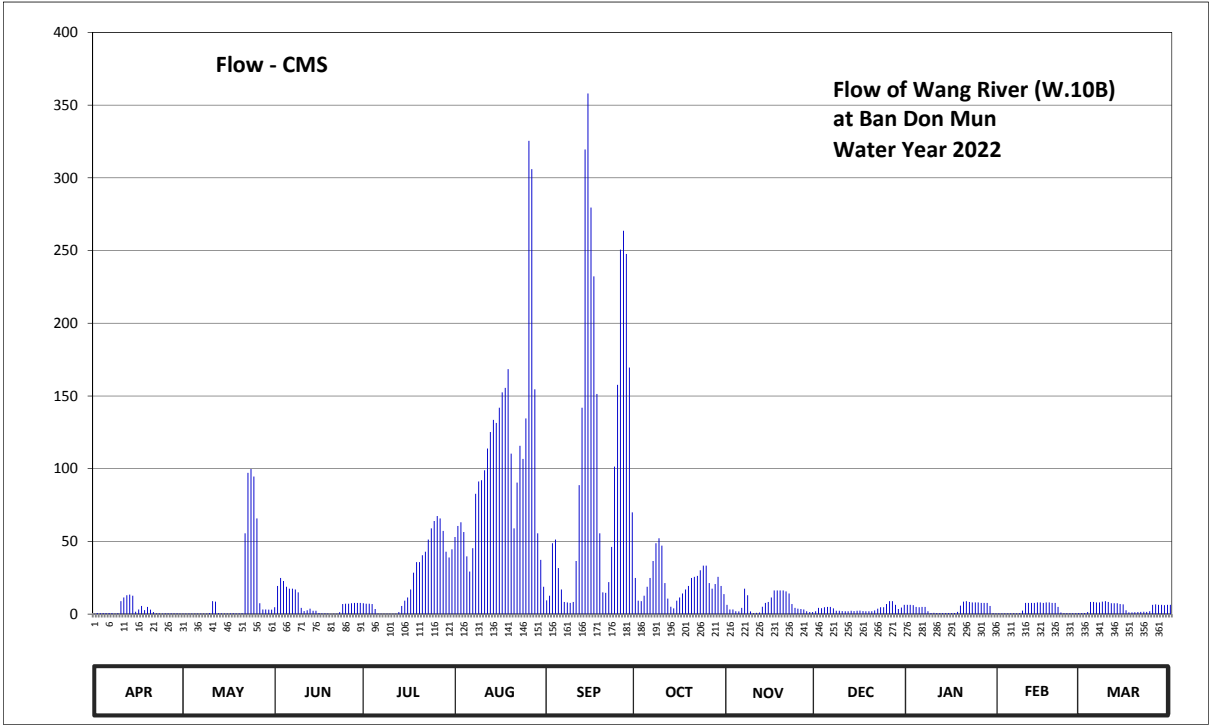
Lat 18 - 31 - 07 N Long 99 - 37 - 58 E

Location : on left bank at Ban Don Mun

	Ban	Don Mun	Amphoe	Mueang	Changwat	Lampang
Drainage Area	2,777	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+257.300 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the bridge.				Elevation	+270.290 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2021 to date					
Rating Operation						
Period of Rating	2021 to date					
Rated by Float	-					
Rated by Current Meter	2021 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 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	258.52	258.63	259.17	259.28	260.00	259.35	259.65	259.24	258.99	259.24	258.66	258.77	
2	258.77	258.63	259.57	259.27	260.09	259.44	259.34	259.09	259.15	259.24	258.65	258.77	
3	258.75	258.63	259.65	259.27	260.12	259.95	259.33	259.09	259.14	259.23	258.65	258.93	
4	258.77	258.63	259.62	259.26	260.04	259.98	259.44	259.00	259.17	259.18	258.66	259.31	
5	258.78	258.63	259.56	259.11	259.84	259.74	259.56	258.98	259.18	259.17	258.68	259.31	
6	258.78	258.63	259.54	258.59	259.71	259.53	259.65	259.15	259.18	259.18	258.70	259.30	
7	258.76	258.63	259.54	258.56	259.91	259.31	259.80	259.54	259.13	259.18	258.68	259.30	
8	258.64	258.64	259.53	258.57	260.35	259.30	259.95	259.45	259.02	258.99	258.71	259.32	
9	258.73	258.62	259.50	258.55	260.45	259.29	259.99	258.98	259.02	258.80	259.03	259.33	
10	259.33	258.78	259.15	258.56	260.46	259.31	259.93	258.74	259.01	258.81	259.29	259.31	
11	259.41	259.33	259.01	258.57	260.54	259.80	259.60	258.83	259.00	258.78	259.29	259.28	
12	259.45	259.32	259.05	258.57	260.71	260.42	259.39	258.86	259.00	258.79	259.29	259.28	
13	259.46	258.70	259.12	258.93	260.83	260.99	259.19	259.19	259.02	258.79	259.29	259.28	
14	259.44	258.65	259.02	259.21	260.91	262.35	259.13	259.29	259.01	258.78	259.30	259.26	
15	258.96	258.64	259.02	259.34	260.89	262.60	259.34	259.31	259.02	258.77	259.30	259.25	
16	259.09	258.64	258.80	259.41	260.99	262.08	259.41	259.41	259.03	258.77	259.29	259.05	
17	259.21	258.66	258.67	259.53	261.09	261.75	259.48	259.52	259.01	258.77	259.30	258.89	
18	259.06	258.72	258.67	259.70	261.12	261.08	259.53	259.52	258.99	258.94	259.30	258.89	
19	259.18	258.69	258.59	259.79	261.24	260.03	259.57	259.52	259.00	259.22	259.29	258.91	
20	259.08	258.69	258.53	259.79	260.67	259.50	259.65	259.52	259.00	259.32	259.29	258.93	
21	258.93	258.73	258.54	259.85	260.07	259.49	259.66	259.51	259.04	259.33	259.18	258.94	
22	258.69	260.03	258.54	259.88	260.44	259.61	259.67	259.48	259.12	259.31	258.86	258.95	
23	258.67	260.52	258.92	259.98	260.73	259.92	259.72	259.26	259.17	259.30	258.74	258.94	
24	258.64	260.55	259.26	260.07	260.63	260.57	259.76	259.15	259.17	259.30	258.73	258.99	
25	258.65	260.49	259.27	260.13	260.92	261.14	259.76	259.12	259.26	259.30	258.73	259.24	
26	258.66	260.15	259.27	260.17	262.39	261.88	259.60	259.11	259.33	259.29	258.73	259.25	
27	258.66	259.28	259.28	260.15	262.26	261.97	259.54	259.09	259.33	259.29	258.75	259.24	
28	258.65	259.09	259.29	260.05	261.11	261.86	259.59	259.00	259.24	259.29	258.76	259.24	
29	258.65	259.09	259.29	259.88	260.03	261.25	259.66	258.93	259.11	259.21		259.23	
30	258.64	259.08	259.29	259.83	259.81	260.20	259.57	258.93	259.16	258.70		259.24	
31		259.08		259.90	259.56		259.47		259.24	258.66		259.24	
Mean	258.90	259.05	259.14	259.41	260.58	260.46	259.58	259.19	259.10	259.06	258.97	259.13	
Max	259.46	260.55	259.65	260.17	262.39	262.60	259.99	259.54	259.33	259.33	259.30	259.33	262.60
Min	258.52	258.62	258.53	258.55	259.56	259.29	259.13	258.74	258.99	258.66	258.65	258.77	258.52
Annual Max Momentary Gage Height	262.69	m. (MSL.) ,		at 22.00 Hours , on Sep 14, 2022									
Zero Gage at Bottom Elevation	257.30	m. (MSL.) ,		River Bed		257.14	m. (MSL.)						
Left Bank Elevation	269.98	m. (MSL.) ,											
Right Bank Elevation	269.86	m. (MSL.) ,		Drainage Are		2,777	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.24	0.46	4.70	7.46	53.00	9.50	24.90	6.38	1.92	6.38	0.52	0.74		
2	0.74	0.46	19.41	7.19	60.65	12.60	9.20	3.17	4.30	6.38	0.50	0.74		
3	0.70	0.46	24.90	7.19	63.20	48.75	8.90	3.17	4.10	6.11	0.50	1.44		
4	0.74	0.46	22.74	6.92	56.40	51.30	12.60	2.00	4.70	4.90	0.52	8.30		
5	0.76	0.46	18.78	3.50	39.70	31.70	18.78	1.84	4.90	4.70	0.56	8.30		
6	0.76	0.46	17.52	0.38	29.30	16.89	24.90	4.30	4.90	4.90	0.60	8.00		
7	0.72	0.46	17.52	0.32	45.35	8.30	36.50	17.52	3.90	4.90	0.56	8.00		
8	0.48	0.48	16.89	0.34	82.75	8.00	48.75	13.00	2.26	1.92	0.62	8.60		
9	0.66	0.44	15.00	0.30	91.25	7.73	52.15	1.84	2.26	0.80	2.39	8.90		
10	8.90	0.76	4.30	0.32	92.10	8.30	47.05	0.68	2.13	0.84	7.73	8.30		
11	11.40	8.90	2.13	0.34	98.90	36.50	21.30	0.92	2.00	0.76	7.73	7.46		
12	13.00	8.60	2.65	0.34	113.90	88.70	10.70	1.04	2.00	0.78	7.73	7.46		
13	13.40	0.60	3.70	1.44	125.15	141.95	5.10	5.10	2.26	0.78	7.73	7.46		
14	12.60	0.50	2.26	5.57	133.55	319.50	3.90	7.73	2.13	0.76	8.00	6.92		
15	1.68	0.48	2.26	9.20	131.45	358.00	9.20	8.30	2.26	0.74	8.00	6.65		
16	3.17	0.48	0.80	11.40	141.95	279.60	11.40	11.40	2.39	0.74	7.73	2.65		
17	5.57	0.52	0.54	16.89	152.45	232.25	14.20	16.26	2.13	0.74	8.00	1.16		
18	2.78	0.64	0.54	28.50	155.60	151.40	16.89	16.26	1.92	1.52	8.00	1.16		
19	4.90	0.58	0.38	35.70	168.40	55.55	19.41	16.26	2.00	5.84	7.73	1.28		
20	3.04	0.58	0.26	35.70	110.30	15.00	24.90	16.26	2.00	8.60	7.73	1.44		
21	1.44	0.66	0.28	40.50	58.95	14.60	25.62	15.63	2.52	8.90	4.90	1.52		
22	0.58	55.55	0.28	42.90	90.40	22.02	26.34	14.20	3.70	8.30	1.04	1.60		
23	0.54	97.20	1.36	51.30	115.70	46.20	30.10	6.92	4.70	8.00	0.68	1.52		
24	0.48	99.75	6.92	58.95	106.70	101.45	33.30	4.30	4.70	8.00	0.66	1.92		
25	0.50	94.65	7.19	64.05	134.60	157.70	33.30	3.70	6.92	8.00	0.66	6.38		
26	0.52	65.75	7.19	67.45	325.50	250.60	21.30	3.50	8.90	7.73	0.66	6.65		
27	0.52	7.46	7.46	65.75	306.00	263.65	17.52	3.17	8.90	7.73	0.70	6.38		
28	0.50	3.17	7.73	57.25	154.55	247.70	20.67	2.00	6.38	7.73	0.72	6.38		
29	0.50	3.17	7.73	42.90	55.55	169.50	25.62	1.44	3.50	5.57		6.11		
30	0.48	3.04	7.73	38.90	37.30	70.00	19.41	1.44	4.50	0.60		6.38		
31		3.04		44.50	18.78		13.80		6.38	0.52		6.38		
Total	92.30	460.22	231.15	753.45	3349.38	3224.94	687.71	209.73	117.56	134.17	102.90	156.18	9519.69	CMSDAY
Mean	3.08	14.85	7.70	24.30	108.04	107.50	22.18	6.99	3.79	4.33	3.68	5.04	26.08	CMS
Max	13.40	99.75	24.90	67.45	325.50	358.00	52.15	17.52	8.90	8.90	8.00	8.90	358.00	CMS
Min	0.24	0.44	0.26	0.30	18.78	7.73	3.90	0.68	1.92	0.52	0.50	0.74	0.24	CMS
Runoff	7.97	39.76	19.97	65.10	289.39	278.63	59.42	18.12	10.16	11.59	8.89	13.49	822.50	MCM
Momentary Peak	373.30 CMS. at 262.69 m. (MSL.) at 22.00 Hours , on Sep 14, 2022													
Runoff Yield	9.39	Liters/Second/Square KM.				Momentary Peak Yield 134.43				Liters/Second/Square KM.				

WATER YEAR : 2022

WANG RIVER BASIN

Wang River at Ban Hai , Lampang (W.16A)

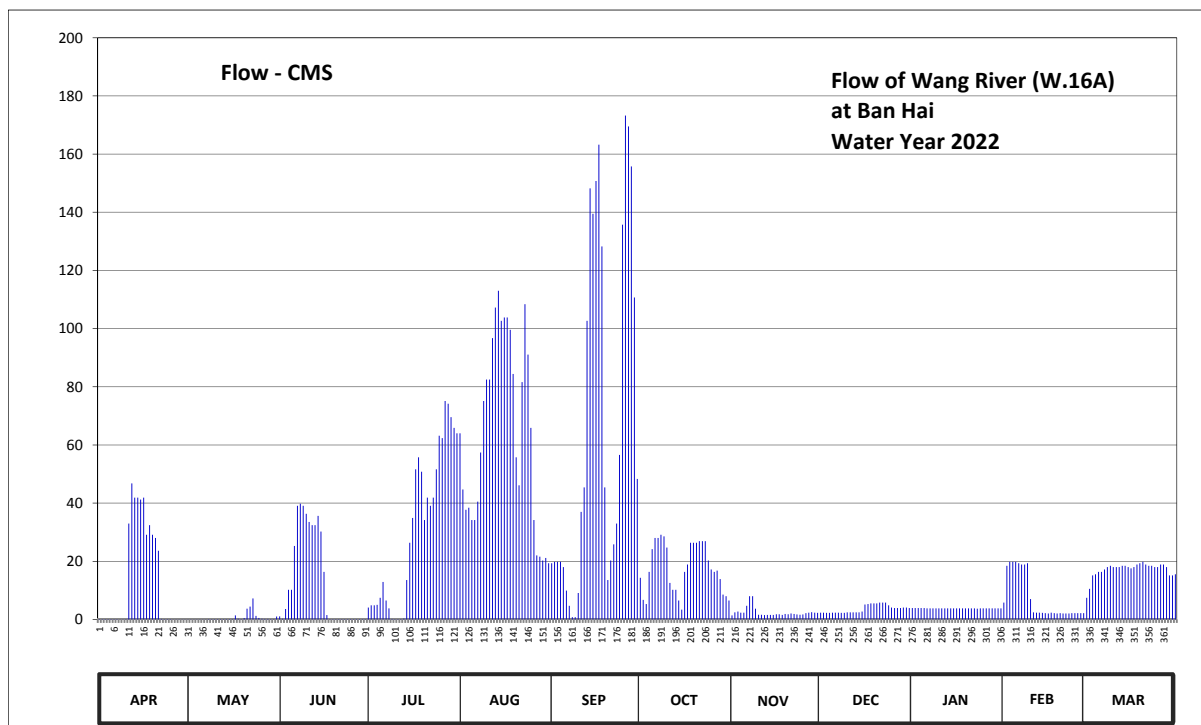
Lat 18 - 47 - 07 N Long 99 - 37 - 49 E

Location : on left bank at Ban Hai

	Ban Hai	Amphoe Chae Hom	Changwat Lampang
Drainge Area	1,395 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+304.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 10.00 meters from the top staff gage.	Elevation	+310.113 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1995 to date		
Rating Operation			
Period of Rating	1995 to date		
Rated by Float	-		
Rated by Current Meter	1995 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good.The pumping station is located about 150 meters upstream from the gage site. Stage-discharge relation defined by 31 discharge measurements made in 2022.		

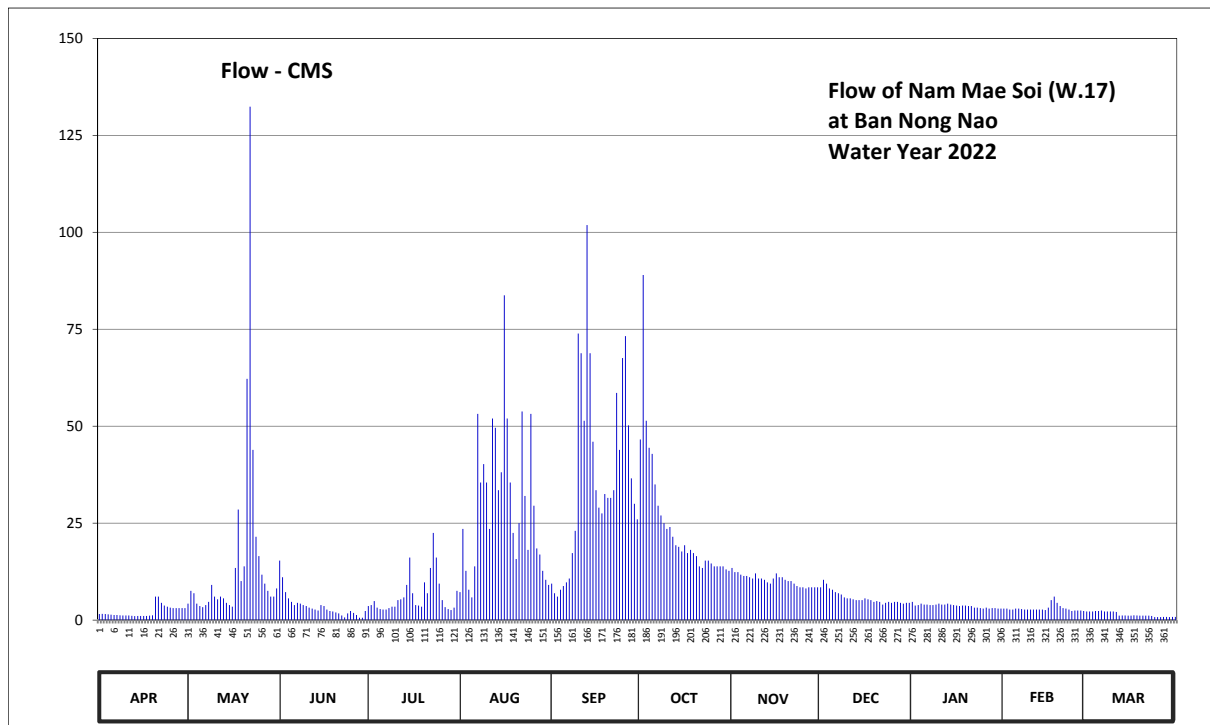
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	304.68	304.57	304.91	305.22	306.40	305.73	305.61	304.95	305.06	305.21	305.32	305.39	
2	304.67	304.57	304.77	305.27	306.16	305.74	305.36	305.07	305.06	305.21	305.71	305.50	
3	304.67	304.57	305.18	305.27	306.06	305.74	305.30	305.10	305.05	305.21	305.74	305.63	
4	304.64	304.57	305.49	305.28	306.07	305.74	305.66	305.06	305.05	305.21	305.74	305.64	
5	304.62	304.56	305.49	305.39	306.01	305.70	305.83	305.06	305.06	305.21	305.74	305.66	
6	304.60	304.56	305.85	305.57	306.01	305.48	305.90	305.26	305.06	305.20	305.73	305.66	
7	304.59	304.57	306.08	305.35	306.10	305.26	305.90	305.41	305.06	305.20	305.72	305.68	
8	304.58	304.59	306.09	305.20	306.32	304.87	305.92	305.41	305.05	305.20	305.72	305.70	
9	304.58	304.60	306.08	304.71	306.52	304.87	305.91	305.19	305.05	305.20	305.73	305.71	
10	304.66	304.60	306.04	304.67	306.60	305.45	305.84	304.98	305.07	305.20	305.37	305.70	
11	305.99	304.59	306.00	304.67	306.60	306.05	305.56	304.98	305.07	305.20	305.07	305.70	
12	306.19	304.60	305.98	304.68	306.75	306.17	305.49	304.96	305.07	305.20	305.06	305.70	
13	306.12	304.62	305.98	304.80	306.85	306.81	305.49	304.97	305.07	305.20	305.06	305.71	
14	306.12	304.63	306.03	305.59	306.90	307.19	305.35	304.97	305.07	305.20	305.05	305.71	
15	306.11	304.61	305.94	305.87	306.81	307.12	305.16	304.97	305.10	305.20	305.04	305.70	
16	306.12	304.60	305.66	306.02	306.82	307.21	305.66	305.00	305.29	305.20	305.03	305.69	
17	305.92	304.95	304.96	306.25	306.82	307.31	305.72	305.00	305.30	305.20	305.06	305.70	
18	305.98	304.76	304.66	306.30	306.78	307.03	305.87	304.97	305.31	305.20	305.04	305.72	
19	305.92	304.66	304.63	306.24	306.62	306.17	305.87	305.01	305.31	305.20	305.03	305.73	
20	305.90	304.82	304.61	306.01	306.30	305.59	305.87	305.00	305.31	305.20	305.04	305.74	
21	305.82	305.19	304.60	306.12	306.18	305.75	305.88	305.03	305.32	305.20	305.03	305.72	
22	304.71	305.24	304.59	306.08	306.59	305.86	305.88	305.01	305.32	305.20	305.03	305.71	
23	304.62	305.38	304.59	306.12	306.86	305.99	305.88	304.99	305.32	305.19	305.03	305.71	
24	304.60	304.93	304.61	306.25	306.69	306.31	305.75	304.98	305.27	305.20	305.04	305.70	
25	304.59	304.83	304.61	306.39	306.42	307.09	305.68	304.99	305.22	305.20	305.04	305.70	
26	304.58	304.75	304.61	306.38	306.01	307.39	305.66	305.04	305.21	305.20	305.04	305.72	
27	304.58	304.71	304.60	306.52	305.79	307.36	305.67	305.06	305.21	305.20	305.04	305.72	
28	304.57	304.72	304.61	306.51	305.78	307.25	305.60	305.08	305.21	305.20	305.04	305.70	
29	304.57	304.70	304.69	306.46	305.75	306.88	305.43	305.06	305.22	305.20		305.63	
30	304.56	304.67	304.68	306.42	305.77	306.21	305.41	305.05	305.22	305.20		305.63	
31		304.90		306.40	305.73		305.35		305.21	305.20		305.64	
Mean	305.13	304.73	305.22	305.74	306.36	306.24	305.66	305.05	305.17	305.20	305.26	305.68	
Max	306.19	305.38	306.09	306.52	306.90	307.39	305.92	305.41	305.32	305.21	305.74	305.74	307.39
Min	304.56	304.56	304.59	304.67	305.73	304.87	305.16	304.95	305.05	305.19	305.03	305.39	304.56
Annual Max Momentary Gage Height	307.41	m. (MSL.) , at 23.00 Hours , on Sep 25, 2022											
Zero Gage at Bottom Elevation	304.00	m. (MSL.) , River Bed 303.80 m. (MSL.)											
Left Bank Elevation	310.13	m. (MSL.) ,											
Right Bank Elevation	310.11	m. (MSL.) , Drainage Are 1,395 Square Kilometers											



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.14	0.09	1.08	4.10	64.00	19.35	14.31	1.40	2.34	3.95	5.78	7.46		
2	0.14	0.09	0.26	4.85	44.70	19.80	6.74	2.43	2.34	3.95	18.45	10.50		
3	0.14	0.09	3.58	4.85	37.70	19.80	5.30	2.70	2.25	3.95	19.80	15.13		
4	0.12	0.09	10.22	5.00	38.40	19.80	16.36	2.34	2.25	3.95	19.80	15.54		
5	0.11	0.08	10.22	7.46	34.20	18.00	24.15	2.34	2.34	3.95	19.80	16.36		
6	0.10	0.08	25.25	12.88	34.20	9.94	28.00	4.70	2.34	3.80	19.35	16.36		
7	0.10	0.09	39.10	6.50	40.50	4.70	28.00	7.98	2.34	3.80	18.90	17.18		
8	0.09	0.10	39.80	3.80	57.40	0.79	29.10	7.98	2.25	3.80	18.90	18.00		
9	0.09	0.10	39.10	0.17	75.10	0.79	28.55	3.69	2.25	3.80	19.35	18.45		
10	0.13	0.10	36.30	0.14	82.50	9.10	24.70	1.64	2.43	3.80	6.98	18.00		
11	32.95	0.10	33.50	0.14	82.50	37.00	12.54	1.64	2.43	3.80	2.43	18.00		
12	46.80	0.10	32.40	0.14	96.75	45.40	10.22	1.48	2.43	3.80	2.34	18.00		
13	41.90	0.11	32.40	0.30	107.25	102.65	10.22	1.56	2.43	3.80	2.34	18.45		
14	41.90	0.12	35.60	13.56	113.00	148.25	6.50	1.56	2.43	3.80	2.25	18.45		
15	41.20	0.11	30.20	26.35	102.65	139.50	3.36	1.56	2.70	3.80	2.16	18.00		
16	41.90	0.10	16.36	34.90	103.80	150.75	16.36	1.80	5.15	3.80	2.07	17.59		
17	29.10	1.40	1.48	51.62	103.80	163.25	18.90	1.80	5.30	3.80	2.34	18.00		
18	32.40	0.24	0.13	55.75	99.60	128.25	26.35	1.56	5.54	3.80	2.16	18.90		
19	29.10	0.13	0.12	50.80	84.40	45.40	26.35	1.89	5.54	3.80	2.07	19.35		
20	28.00	0.44	0.11	34.20	55.75	13.56	26.35	1.80	5.54	3.80	2.16	19.80		
21	23.60	3.69	0.10	41.90	46.10	20.25	26.90	2.07	5.78	3.80	2.07	18.90		
22	0.17	4.40	0.10	39.10	81.58	25.80	26.90	1.89	5.78	3.80	2.07	18.45		
23	0.11	7.22	0.10	41.90	108.40	32.95	26.90	1.72	5.78	3.69	2.07	18.45		
24	0.10	1.24	0.11	51.62	91.05	56.58	20.25	1.64	4.85	3.80	2.16	18.00		
25	0.10	0.51	0.11	63.18	65.85	135.75	17.18	1.72	4.10	3.80	2.16	18.00		
26	0.09	0.23	0.11	62.35	34.20	173.25	16.36	2.16	3.95	3.80	2.16	18.90		
27	0.09	0.17	0.10	75.10	22.05	169.50	16.77	2.34	3.95	3.80	2.16	18.90		
28	0.09	0.18	0.11	74.18	21.60	155.75	13.90	2.52	3.95	3.80	2.16	18.00		
29	0.09	0.15	0.15	69.55	20.25	110.70	8.54	2.34	4.10	3.80		15.13		
30	0.08	0.14	0.14	65.85	21.15	48.32	7.98	2.25	4.10	3.80		15.13		
31		1.00		64.00	19.35		6.50		3.95	3.80		15.54		
Total	390.93	22.69	388.34	966.24	1989.78	2024.93	550.54	74.50	112.91	118.44	206.44	530.92	7376.66	CMSDAY
Mean	13.03	0.73	12.94	31.17	64.19	67.50	17.76	2.48	3.64	3.82	7.37	17.13	20.21	CMS
Max	46.80	7.22	39.80	75.10	113.00	173.25	29.10	7.98	5.78	3.95	19.80	19.80	173.25	CMS
Min	0.08	0.08	0.10	0.14	19.35	0.79	3.36	1.40	2.25	3.69	2.07	7.46	0.08	CMS
Runoff	33.78	1.96	33.55	83.48	171.92	174.95	47.57	6.44	9.76	10.23	17.84	45.87	637.34	MCM
Momentary Peak	175.78	CMS. at 307.41 m. (MSL.) at 23.00 Hours , on Sep 25, 2022												
Runoff Yield	14.49	Liters/Second/Square KM.				Momentary Peak Yield		126.01	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.56	4.23	15.36	3.61	7.23	9.40	46.60	13.46	8.47	4.69	2.96	2.22		
2	1.60	7.54	11.05	3.87	23.50	6.92	89.00	12.37	10.39	3.74	2.96	2.22		
3	1.56	6.92	7.23	4.92	12.70	6.07	51.40	12.37	9.40	3.87	2.70	2.22		
4	1.48	4.23	5.61	3.22	7.85	7.85	44.43	11.71	8.16	4.23	2.70	2.34		
5	1.40	3.61	4.69	2.83	5.84	8.78	42.85	11.38	7.85	4.00	2.96	2.34		
6	1.32	3.35	3.87	2.70	13.84	9.73	35.00	11.38	7.23	4.00	2.96	2.46		
7	1.32	3.87	4.46	2.70	53.20	10.72	29.50	11.05	6.92	3.87	2.83	2.22		
8	1.24	4.69	4.23	3.09	35.50	17.30	27.00	10.72	6.61	3.87	2.70	2.22		
9	1.20	9.09	3.87	3.48	40.23	23.00	25.00	12.04	5.84	4.00	2.70	2.22		
10	1.20	6.07	3.61	3.48	35.50	73.90	23.50	10.72	5.61	4.23	2.70	2.22		
11	1.20	5.38	3.22	5.15	23.50	68.80	24.00	10.72	5.61	4.00	2.70	2.10		
12	1.12	6.07	2.96	5.38	52.00	51.40	21.50	10.39	5.38	4.00	2.70	1.16		
13	1.04	5.61	2.70	5.84	49.60	101.88	19.30	9.73	5.15	4.23	2.70	1.20		
14	1.08	4.46	2.46	9.09	33.50	68.80	18.90	9.40	5.15	4.00	2.70	1.20		
15	1.08	3.87	3.87	16.12	38.13	46.00	17.70	10.72	5.15	3.87	2.58	1.16		
16	1.08	3.48	3.61	6.92	83.75	33.50	19.30	12.04	5.61	3.74	3.22	1.16		
17	1.08	13.46	2.70	3.87	52.00	29.00	17.30	11.05	5.38	3.61	5.15	1.24		
18	1.16	28.50	2.34	3.74	35.50	27.50	18.10	11.05	5.15	3.74	6.07	1.20		
19	1.24	10.06	2.22	3.48	22.50	32.50	17.30	10.39	4.69	3.74	4.46	1.16		
20	6.07	13.84	1.98	9.73	15.74	31.50	16.50	10.06	4.92	3.61	3.61	1.16		
21	6.07	62.20	1.74	6.92	25.00	31.50	13.84	10.06	4.69	3.61	3.09	1.16		
22	4.46	132.40	1.20	13.46	53.80	33.50	13.46	9.40	4.00	3.22	2.96	1.16		
23	3.74	43.90	0.70	22.50	32.00	58.60	15.36	8.78	4.46	3.22	2.70	1.08		
24	3.48	21.50	1.74	16.12	18.10	43.90	15.36	8.47	4.69	3.09	2.34	0.80		
25	3.22	16.50	2.34	9.40	53.20	67.60	14.60	8.47	4.46	2.96	2.46	0.80		
26	3.09	11.71	1.86	5.15	29.50	73.25	13.84	8.16	4.69	3.22	2.46	0.80		
27	3.09	9.40	1.30	3.35	18.50	50.20	13.84	8.47	4.69	2.96	2.46	0.84		
28	3.09	7.54	0.60	2.83	16.90	36.55	13.84	8.47	4.46	3.09	2.34	0.84		
29	3.09	6.07	0.60	2.58	12.70	30.00	13.84	8.47	4.23	3.09		0.80		
30	3.09	6.07	2.34	3.22	10.39	26.00	13.08	8.47	4.46	2.96		0.84		
31		8.16		7.54	9.09		12.70		4.46	2.96		0.84		
Total	66.45	473.78	106.46	196.29	920.79	1115.65	757.94	309.97	177.96	113.42	84.87	45.38	4368.96	CMSDAY
Mean	2.22	15.28	3.55	6.33	29.70	37.19	24.45	10.33	5.74	3.66	3.03	1.46	11.97	CMS
Max	6.07	132.40	15.36	22.50	83.75	101.88	89.00	13.46	10.39	4.69	6.07	2.46	132.40	CMS
Min	1.04	3.35	0.60	2.58	5.84	6.07	12.70	8.16	4.00	2.96	2.34	0.80	0.60	CMS
Runoff	5.74	40.93	9.20	16.96	79.56	96.39	65.49	26.78	15.38	9.80	7.33	3.92	377.48	MCM
Momentary Peak	253.58	CMS. at 294.77 m. (MSL.) at 03.00 Hours , on May 22, 2022												
Runoff Yield	16.65	Liters/Second/Square KM.				Momentary Peak Yield	352.68	Liters/Second/Square KM.						

WATER YEAR : 2022

WANG RIVER BASIN

Nam Mae Tui at Ban Tha Lo , Lampang (W.20)

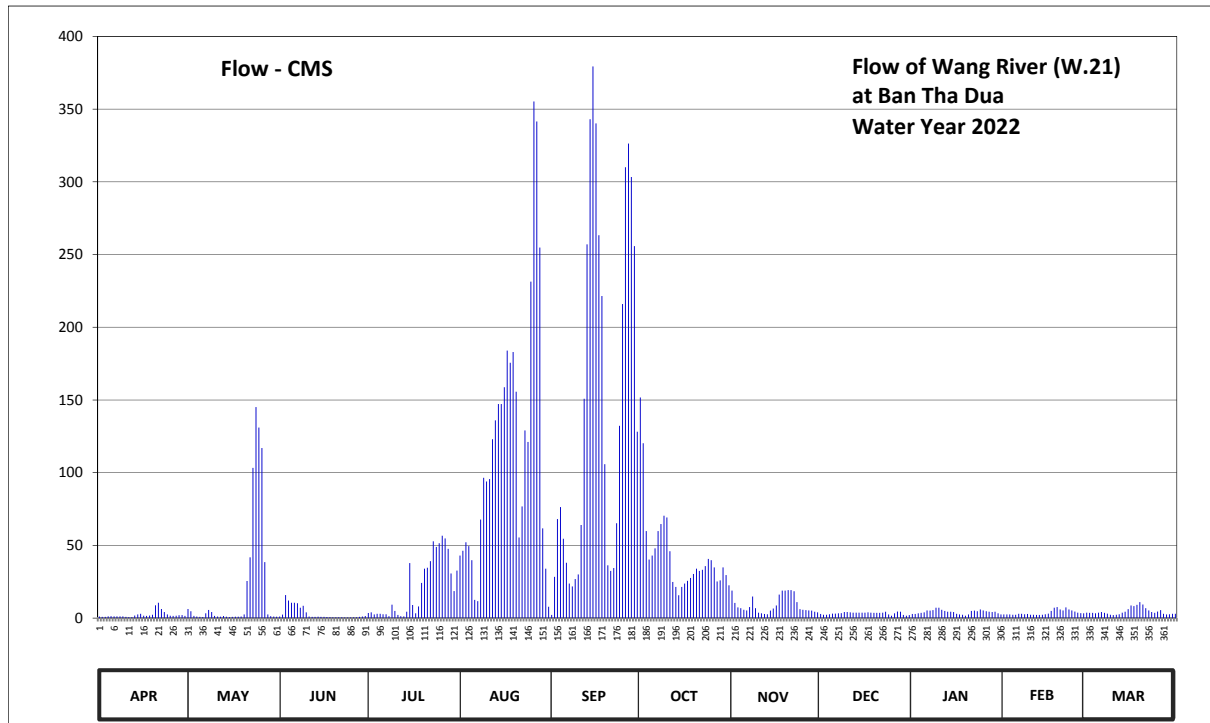
Lat 18 - 18 - 39 N Long 99 - 27 - 28 E

Location : on left bank at the bridge of Lampang - Hang Chat Highway.

	Ban Tha Lo	Amphoe Mueang	Changwat Lampang
Drainge Area	742	sq.km.	
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+230.420 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank at the approach of the bridge.		Elevation +237.644 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.		
Period of Available Gage Records	1993 to date		
Rating Operation			
Period of Rating	1993 to date		
Rated by Float	-		
Rated by Current Meter	1993 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good.Flow effected by the local weir about 200 meters downstream from the gage site. Stage-discharge relation defined by 34 discharge measurements made in 2022.		

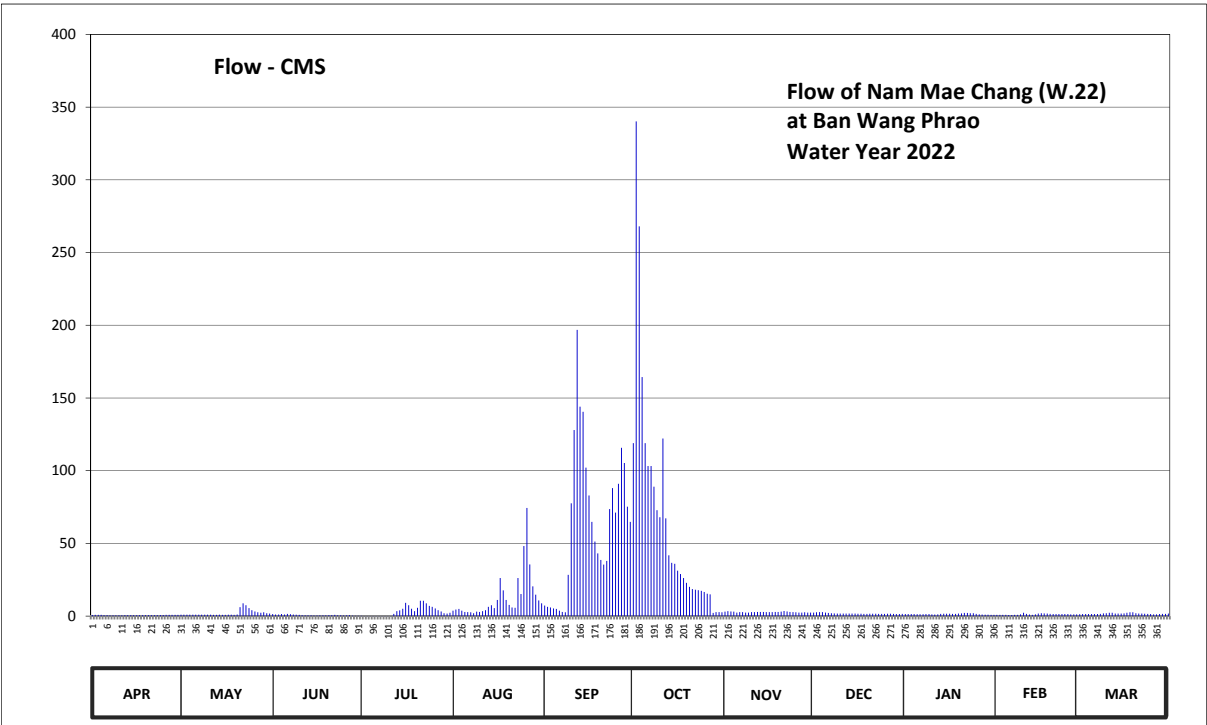
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	230.07	230.83	230.34	230.14	231.10	230.36	232.48	230.08	230.68	229.67	230.62	230.52	
2	230.16	230.75	230.34	230.60	230.92	230.36	231.89	230.60	230.69	229.66	230.62	230.58	
3	230.38	230.68	230.57	230.66	230.85	230.28	231.28	230.63	230.70	229.68	230.60	230.63	
4	230.62	230.65	230.69	230.63	230.79	230.23	231.15	230.60	230.70	229.69	230.59	230.62	
5	230.63	230.64	230.73	230.60	230.76	230.23	231.34	230.59	230.67	229.69	230.59	230.61	
6	230.65	230.61	230.75	230.70	230.76	230.29	231.15	230.58	230.67	229.72	230.54	230.63	
7	230.68	230.61	230.69	230.71	231.04	230.27	230.90	230.62	230.68	229.77	230.48	230.60	
8	230.68	230.88	230.65	230.74	231.31	230.26	230.80	230.64	230.65	229.88	230.49	230.50	
9	230.64	230.77	230.62	230.68	231.41	230.73	230.69	230.67	230.65	230.22	230.60	230.35	
10	230.61	230.70	230.60	230.69	231.12	231.44	230.69	230.68	230.64	230.55	230.61	230.18	
11	230.58	230.66	230.59	230.61	230.98	233.05	230.73	230.67	230.62	230.63	230.52	230.01	
12	230.54	230.66	230.48	230.56	231.01	233.93	230.56	230.67	230.56	230.61	230.34	229.84	
13	230.50	230.64	230.08	230.47	231.21	232.67	230.49	230.67	230.51	230.60	230.16	229.71	
14	230.47	230.63	230.07	230.88	231.02	232.68	230.46	230.70	230.44	230.56	230.04	229.63	
15	230.41	230.62	230.06	231.50	230.66	231.42	230.47	230.67	230.36	230.61	230.11	229.65	
16	230.32	230.67	230.02	231.11	231.35	231.04	230.42	230.67	230.30	230.64	230.02	229.69	
17	230.23	230.77	230.31	230.86	231.18	230.84	230.34	230.70	230.17	230.65	230.04	229.74	
18	230.14	230.91	230.78	230.76	230.95	230.84	230.25	230.70	229.95	230.64	230.14	229.92	
19	230.10	230.96	230.71	230.78	230.77	230.76	230.21	230.71	229.77	230.64	230.46	230.39	
20	230.16	230.99	230.65	231.34	230.57	230.65	230.17	230.71	229.72	230.65	230.63	230.69	
21	230.40	232.15	230.62	230.84	230.49	230.60	230.15	230.72	229.72	230.63	230.64	230.68	
22	230.59	233.71	230.59	230.74	232.48	230.50	230.15	230.71	229.74	230.63	230.63	230.68	
23	230.63	231.37	230.51	230.98	231.79	230.77	230.21	230.69	229.69	230.62	230.63	230.63	
24	230.64	230.94	230.42	230.79	230.83	230.78	230.16	230.69	229.68	230.69	230.63	230.61	
25	230.66	230.66	230.23	230.60	231.94	231.51	230.16	230.69	229.70	230.66	230.62	230.60	
26	230.67	230.55	230.18	230.82	232.58	231.74	230.14	230.69	229.71	230.64	230.59	230.58	
27	230.68	230.46	230.14	230.75	231.23	231.46	230.14	230.69	229.73	230.65	230.55	230.54	
28	230.69	230.40	230.06	230.72	230.83	231.05	230.14	230.67	229.71	230.64	230.51	230.56	
29	230.70	230.37	230.05	230.69	230.58	230.79	230.15	230.68	229.68	230.63		230.63	
30	230.68	230.31	230.04	230.67	230.47	230.74	230.12	230.68	229.68	230.63		230.64	
31		230.27		230.85	230.38		230.08		229.68	230.62		230.64	
Mean	230.50	230.83	230.42	230.76	231.08	231.08	230.58	230.65	230.19	230.38	230.46	230.36	
Max	230.70	233.71	230.78	231.50	232.58	233.93	232.48	230.72	230.70	230.69	230.64	230.69	233.93
Min	230.07	230.27	230.02	230.14	230.38	230.23	230.08	230.08	229.68	229.66	230.02	229.63	229.63
Annual Max Momentary Gage Height	234.81		m. (MSL.) ,		at 12.00 Hours , on Sep 12, 2022								
Zero Gage at Bottom Elevation	230.42		m. (MSL.) ,		River Bed	229.12	m. (MSL.)						
Left Bank Elevation			238.02		m. (MSL.) ,								
Right Bank Elevation			238.07		m. (MSL.) ,		Drainage Are	742	Square Kilometers				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.17	2.80	9.72	5.78	36.00	10.28	101.50	4.78	1.48	0.03	1.12	0.76	
2	0.26	2.05	9.72	18.20	29.52	10.28	69.87	1.00	1.54	0.03	1.12	0.94	
3	0.48	1.48	17.18	20.30	27.00	8.24	42.96	1.18	1.60	0.04	1.00	1.18	
4	1.12	1.30	21.35	19.25	24.85	7.34	37.80	1.00	1.60	0.04	0.97	1.12	
5	1.18	1.24	22.75	18.20	23.80	7.34	45.48	0.97	1.42	0.04	0.97	1.06	
6	1.30	1.06	23.45	21.70	23.80	8.42	37.80	0.94	1.42	0.04	0.82	1.18	
7	1.48	1.06	21.35	22.05	33.84	8.06	28.80	1.12	1.48	0.05	0.66	1.00	
8	1.48	3.30	19.95	23.10	44.22	7.88	25.20	1.24	1.30	0.08	0.68	0.70	
9	1.24	2.23	18.90	21.00	48.42	22.75	21.35	1.42	1.30	0.32	1.00	0.45	
10	1.06	1.60	18.20	21.35	36.72	49.68	21.35	1.48	1.24	0.85	1.06	0.28	
11	0.94	1.36	17.86	18.55	31.68	137.13	22.75	1.42	1.12	1.18	0.76	0.11	
12	0.82	1.36	14.12	16.84	32.76	197.75	16.84	1.42	0.88	1.06	0.44	0.07	
13	0.70	1.24	4.78	13.78	40.02	113.38	14.46	1.42	0.73	1.00	0.26	0.04	
14	0.64	1.18	4.62	28.08	33.12	114.00	13.44	1.60	0.58	0.88	0.14	0.03	
15	0.52	1.12	4.46	52.20	20.30	48.84	13.78	1.42	0.46	1.06	0.21	0.03	
16	0.42	1.42	3.82	36.36	45.90	33.84	12.08	1.42	0.40	1.24	0.12	0.04	
17	0.33	2.23	8.88	27.36	38.88	26.64	9.72	1.60	0.27	1.30	0.14	0.05	
18	0.24	3.61	24.50	23.80	30.60	26.64	7.70	1.60	0.09	1.24	0.24	0.08	
19	0.20	4.16	22.05	24.50	24.15	23.80	6.98	1.69	0.05	1.24	0.62	0.49	
20	0.26	4.49	19.95	45.48	17.18	19.95	6.29	1.69	0.04	1.30	1.18	1.54	
21	0.50	82.93	18.90	26.64	14.46	18.20	5.95	1.78	0.04	1.18	1.24	1.48	
22	0.97	181.25	17.86	23.10	101.50	14.80	5.95	1.69	0.05	1.18	1.18	1.48	
23	1.18	46.74	15.14	31.68	65.05	24.15	6.98	1.54	0.04	1.12	1.18	1.18	
24	1.24	30.24	12.08	24.85	26.28	24.50	6.12	1.54	0.04	1.54	1.18	1.06	
25	1.36	20.30	7.34	18.20	72.29	52.62	6.12	1.54	0.04	1.36	1.12	1.00	
26	1.42	16.50	6.46	25.92	107.75	62.77	5.78	1.54	0.04	1.24	0.97	0.94	
27	1.48	13.44	5.78	23.45	40.86	50.52	5.78	1.54	0.05	1.30	0.85	0.82	
28	1.54	11.40	4.46	22.40	26.28	34.20	5.78	1.42	0.04	1.24	0.73	0.88	
29	1.60	10.56	4.30	21.35	17.52	24.85	5.95	1.48	0.04	1.18		1.18	
30	1.48	8.88	4.14	20.65	13.78	23.10	5.44	1.48	0.04	1.18		1.24	
31		8.06		27.00	10.84		4.78		0.04	1.12		1.24	
Total	27.61	470.59	404.07	743.12	1139.37	1211.95	620.78	45.96	19.46</				



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

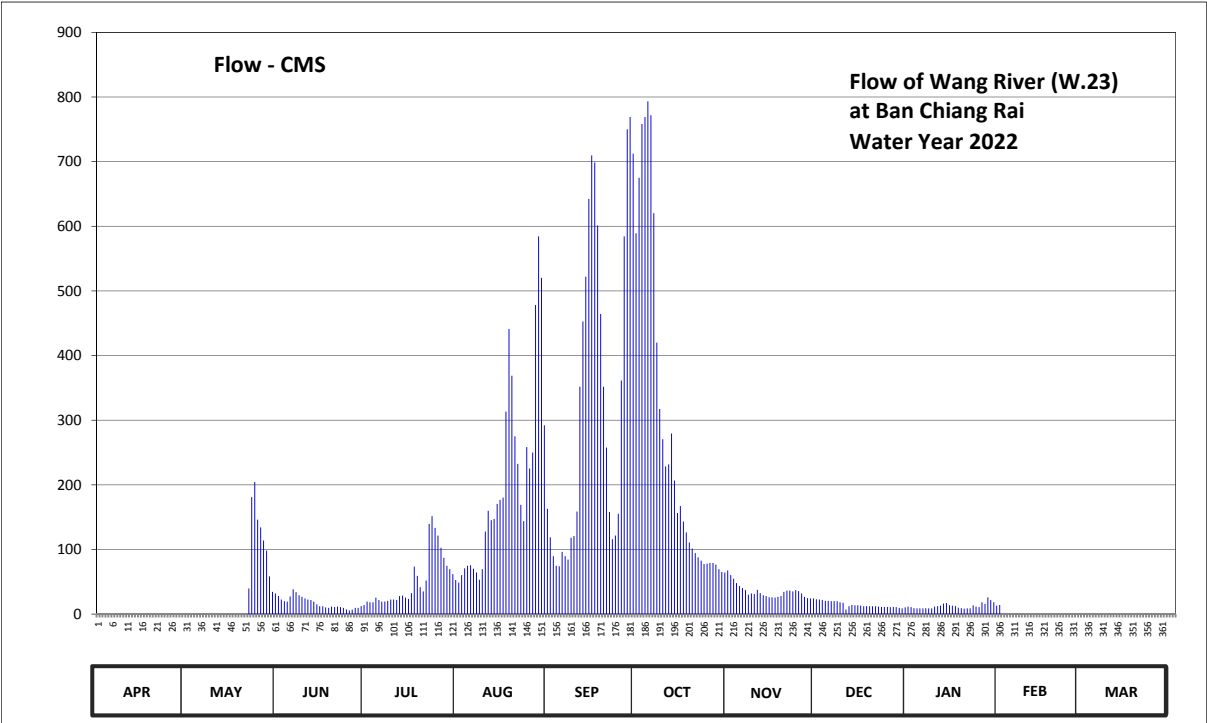
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.04	6.24	1.12	3.55	43.05	2.20	151.70	18.87	2.80	2.80	2.50	3.78		
2	0.92	4.72	2.40	4.00	46.30	28.40	120.20	10.41	2.35	2.80	2.50	3.59		
3	0.86	1.50	15.85	2.50	52.15	68.10	59.83	7.40	2.35	3.25	2.50	3.59		
4	1.16	1.14	12.10	2.95	49.55	76.40	40.30	6.77	2.65	3.59	2.35	3.25		
5	1.26	0.88	10.50	2.95	39.80	54.58	43.00	5.72	3.10	3.97	2.35	3.78		
6	1.18	0.78	10.50	2.65	12.50	38.05	48.00	5.30	3.10	5.30	2.95	4.16		
7	1.18	3.25	10.25	2.65	11.70	23.72	59.83	7.62	3.25	5.11	2.95	3.59		
8	1.20	5.62	7.12	1.26	67.75	21.83	64.65	14.82	3.40	5.51	2.65	3.10		
9	1.16	4.18	8.50	9.25	96.50	26.80	70.40	6.77	4.16	7.19	2.80	2.35		
10	0.84	1.50	4.00	4.90	93.95	30.00	69.25	3.78	4.16	7.19	2.35	2.05		
11	0.70	1.06	1.12	2.20	95.65	64.08	46.00	3.25	3.97	5.72	2.35	2.35		
12	0.66	0.94	0.90	1.26	123.00	150.85	24.86	2.80	3.78	4.92	2.20	2.65		
13	1.80	1.41	0.92	1.20	136.00	257.00	21.46	2.65	3.78	4.35	2.20	3.78		
14	2.50	1.02	0.96	4.36	147.25	343.00	15.78	5.11	3.78	4.35	2.35	4.35		
15	2.95	0.68	0.84	37.85	147.25	379.40	21.46	6.56	3.78	4.16	2.65	6.14		
16	1.60	0.82	0.84	9.00	158.80	340.20	23.72	8.72	3.78	2.95	3.10	8.72		
17	1.50	1.00	0.72	3.25	184.00	263.25	25.62	16.12	3.97	2.50	4.92	8.28		
18	1.70	1.00	0.60	8.00	175.60	221.50	27.60	18.87	3.78	2.35	7.19	9.16		
19	2.30	1.12	0.55	24.20	182.95	105.80	30.40	18.87	3.59	1.62	7.62	10.95		
20	8.75	2.50	0.54	33.95	155.65	36.25	34.00	19.24	3.59	2.50	5.93	9.38		
21	10.50	25.50	0.52	34.60	55.40	32.40	32.40	19.24	3.59	4.92	5.30	6.77		
22	6.24	41.75	0.49	39.15	76.75	34.45	33.20	18.50	3.78	5.11	7.40	5.30		
23	4.18	103.30	0.46	52.80	129.00	65.23	35.80	10.95	4.35	4.73	5.93	4.16		
24	2.50	145.15	0.45	48.90	121.15	132.20	40.75	6.14	2.50	5.93	5.30	3.59		
25	1.60	131.00	0.47	51.50	231.40	216.00	39.85	5.72	1.62	5.30	4.54	4.54		
26	1.50	116.90	0.50	56.70	355.30	310.10	34.90	5.51	3.25	4.73	3.78	5.51		
27	1.60	38.50	0.59	54.75	341.50	326.30	25.24	5.30	4.54	4.35	3.40	2.95		
28	2.00	2.50	0.84	47.60	254.80	303.35	26.00	5.11	4.35	4.16	3.25	2.50		
29	2.10	1.29	1.14	30.70	61.75	255.75	34.90	4.35	2.20	4.35		2.65		
30	1.50	1.08	1.47	18.55	33.95	128.20	29.60	3.97	1.62	3.25		2.95		
31		1.02		32.65	7.78		22.58		2.05	2.50		2.95		
Total	68.98	649.35	97.26	629.83	3688.18	4335.39	1353.28	274.44	102.97	131.46	105.31	142.87	11579.32	CMSDAY
Mean	2.30	20.95	3.24	20.32	118.97	144.51	43.65	9.15	3.32	4.24	3.76	4.61	31.72	CMS
Max	10.50	145.15	15.85	56.70	355.30	379.40	151.70	19.24	4.54	7.19	7.62	10.95	379.40	CMS
Min	0.66	0.68	0.45	1.20	7.78	2.20	15.78	2.65	1.62	1.62	2.20	2.05	0.45	CMS
Runoff	5.96	56.10	8.40	54.42	318.66	374.58	116.92	23.71	8.90	11.36	9.10	12.34	1000.45	MCM
Momentary Peak	390.60 CMS. at 236.44 m. (MSL.) at 08.00 Hours , on Sep 15, 2022													
Runoff Yield	9.48	Liters/Second/Square KM.		Momentary Peak Yield		116.67	Liters/Second/Square KM.							



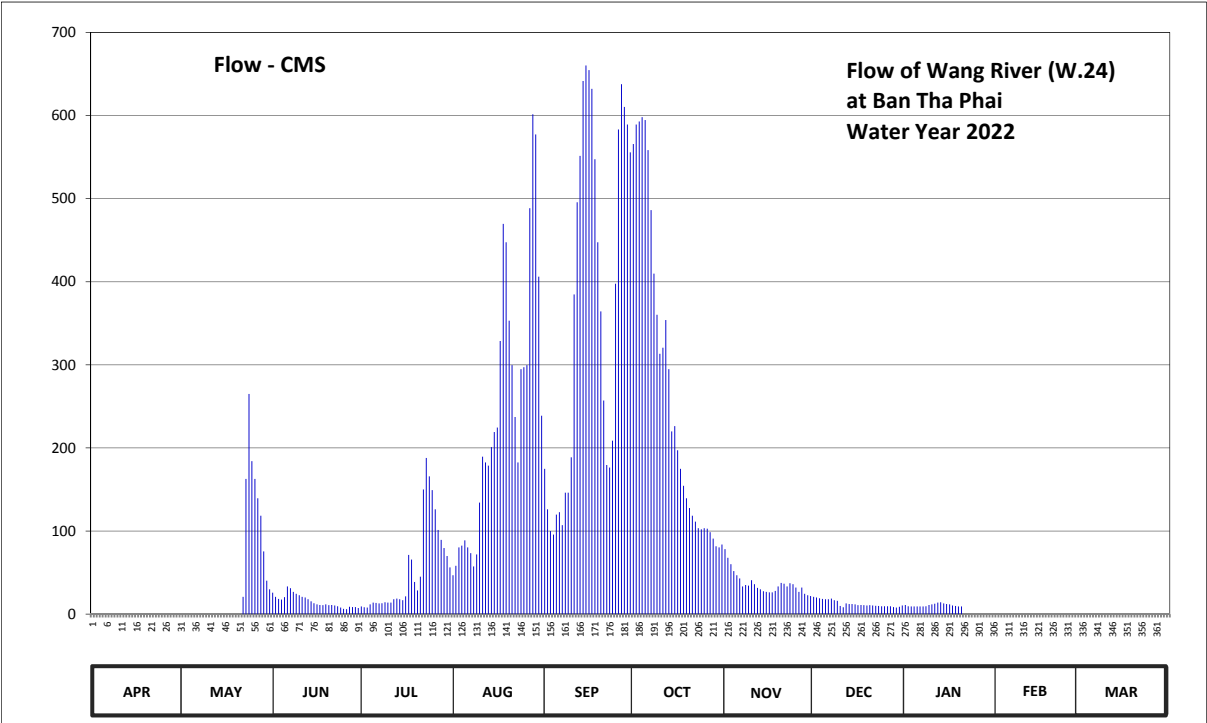
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.76	0.94	1.37	0.22	3.70	7.26	118.90	3.05	2.45	1.44	0.82	1.30	
2	0.82	0.94	1.12	0.15	4.50	6.38	340.20	3.35	2.60	1.44	0.82	1.37	
3	0.82	0.94	1.12	0.12	4.90	5.94	268.05	3.20	2.75	1.37	0.82	1.37	
4	0.82	0.94	1.44	0.11	3.70	5.30	164.40	3.05	2.75	1.37	0.82	1.44	
5	0.70	0.94	1.12	0.11	2.90	4.90	118.90	2.45	2.45	1.30	0.76	1.37	
6	0.62	0.94	1.58	0.13	2.75	3.70	103.15	2.75	2.15	1.30	0.76	1.44	
7	0.58	0.94	1.30	0.15	2.60	2.90	103.15	2.75	1.93	1.30	0.82	1.44	
8	0.58	0.94	1.06	0.13	2.00	2.60	89.00	2.45	1.86	1.37	0.82	1.58	
9	0.58	0.94	1.00	0.12	3.05	28.35	72.80	2.45	1.72	1.37	1.24	1.86	
10	0.58	0.94	0.82	0.11	2.90	77.60	68.00	2.75	1.79	1.18	2.30	2.00	
11	0.58	0.94	0.62	0.11	3.35	127.90	122.15	2.75	1.79	1.12	1.51	2.30	
12	0.62	0.88	0.50	1.51	4.10	196.80	67.20	2.90	1.79	1.18	1.06	2.30	
13	0.66	0.88	0.58	3.35	6.38	144.00	41.85	2.90	1.79	1.58	0.82	1.79	
14	0.66	0.94	0.50	3.90	7.48	140.55	36.65	2.90	1.72	1.65	1.18	1.72	
15	0.66	0.88	0.38	5.10	5.50	102.10	36.00	2.75	1.72	1.65	1.79	1.79	
16	0.66	0.88	0.46	9.10	11.14	83.00	31.20	2.75	1.65	1.65	1.93	1.86	
17	0.66	0.94	0.54	7.48	26.18	64.80	28.90	2.75	1.65	1.58	1.86	2.30	
18	0.70	0.94	0.58	5.10	17.70	51.25	26.15	2.90	1.58	1.58	1.79	2.60	
19	0.66	0.88	0.58	3.35	11.14	43.15	22.85	2.90	1.58	1.72	1.58	2.60	
20	0.66	1.06	0.66	5.72	7.70	38.60	20.10	3.05	1.65	1.86	1.37	2.00	
21	0.62	6.16	0.66	10.50	5.94	35.40	18.60	3.50	1.65	2.15	1.37	1.72	
22	0.62	8.82	0.82	10.50	5.72	37.95	18.20	3.20	1.65	2.15	1.37	1.72	
23	0.66	7.48	0.54	8.82	26.18	73.60	17.80	2.90	1.58	2.00	1.44	1.65	
24	0.76	5.50	0.54	7.04	15.14	88.00	17.40	2.75	1.58	2.00	1.44	1.51	
25	0.76	4.10	0.42	6.38	48.21	71.20	16.60	2.60	1.58	1.58	1.44	1.44	
26	0.82	3.20	0.58	5.30	74.33	91.00	15.40	2.45	1.65	1.24	1.24	1.18	
27	0.82	2.60	0.66	4.10	35.57	115.75	15.00	2.45	1.65	1.12	1.18	1.18	
28	0.82	2.30	0.34	3.20	20.46	105.25	2.15	2.60	1.51	1.00	1.24	1.37	
29	0.88	2.60	0.26	2.00	14.78	75.20	2.75	2.45	1.44	0.94		1.51	
30	0.88	2.00	0.26	1.72	10.82	64.80	2.75	2.45	1.44	0.88		1.58	
31		1.79		2.30	8.82		2.60		1.51	0.82		1.72	
Total	21.02	65.17	22.41	107.93	399.64	1895.23	2008.85	84.15	56.61	44.89	35.59	53.01	4794.50 CMSDAY
Mean	0.70	2.10	0.75	3.48	12.89	63.17	64.80	2.80	1.83	1.45	1.27	1.71	13.14 CMS
Max	0.88	8.82	1.58	10.50	74.33	196.80	340.20	3.50	2.75	2.15	2.30	2.60	340.20 CMS
Min	0.58	0.88	0.26	0.11	2.00	2.60	2.15	2.45	1.44	0.82	0.76	1.18	0.11 CMS
Runoff	1.82	5.63	1.94	9.33	34.53	163.75	173.56	7.27	4.89	3.88	3.07	4.58	414.24 MCM
Momentary Peak	372.20 CMS. at 218.57 m. (MSL.) at 09.00 Hours , on Oct 2, 2022												
Runoff Yield	8.60	Liters/Second/Square KM.		Momentary Peak Yield		243.75	Liters/Second/Square KM.						

	Ban	Chiang Rai	Amphoe	Sam Ngao	Changwat	Tak
Drainage Area	9,888	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+141.291	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+149.509 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.					
Period of Available Gage Records	2001 to date					
Rating Operation						
Period of Rating	2001 to date					
Rated by Float	-					
Rated by Current Meter	2001 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good.Stage-discharge relation defined by 19 discharge measurements made in 2022.					

Gage Height in Meter (MSL.)														Water Year April 1, 2022 to March 31, 2023	
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual		
1	142.49	142.39	142.53	142.39	142.85	143.91	148.68	143.03	142.44	142.22	142.45	142.30			
2	142.49	142.44	142.44	142.37	143.03	143.48	148.99	142.94	142.43	142.18	142.45	142.24			
3	142.50	142.44	142.40	142.37	143.19	143.25	149.03	142.84	142.41	142.17	142.33	142.18			
4	142.50	142.47	142.39	142.49	143.25	143.24	149.12	142.77	142.41	142.17	142.25	142.16			
5	142.50	142.49	142.52	142.43	143.26	143.58	149.04	142.72	142.40	142.17	142.25	142.16			
6	142.50	142.45	142.69	142.39	143.18	143.48	148.46	142.67	142.40	142.18	142.23	142.16			
7	142.49	142.44	142.62	142.39	143.09	143.40	147.33	142.56	142.40	142.17	142.20	142.16			
8	142.49	142.44	142.55	142.41	142.92	143.90	146.45	142.59	142.37	142.17	142.19	142.16			
9	142.49	142.42	142.51	142.44	143.17	143.94	145.94	142.58	142.36	142.24	142.18	142.18			
10	142.49	142.38	142.47	142.44	144.04	144.48	145.43	142.68	142.13	142.26	142.18	142.31			
11	142.49	142.46	142.44	142.43	144.50	146.79	145.47	142.60	142.25	142.28	142.28	142.37			
12	142.49	142.53	142.43	142.53	144.29	147.56	146.04	142.55	142.30	142.34	142.24	142.25			
13	142.49	142.48	142.39	142.54	144.32	147.98	145.15	142.53	142.29	142.35	142.20	142.21			
14	142.49	142.44	142.32	142.49	144.65	148.55	144.45	142.50	142.29	142.29	142.19	142.31			
15	142.47	142.34	142.25	142.46	144.74	148.81	144.60	142.50	142.28	142.28	142.18	142.06			
16	142.42	142.34	142.25	142.60	144.79	148.77	144.26	142.49	142.25	142.26	142.19	141.98			
17	142.39	142.33	142.21	143.23	146.41	148.38	144.02	142.51	142.26	142.20	142.18	142.16			
18	142.37	142.29	142.19	143.01	147.48	147.64	143.80	142.53	142.25	142.18	142.18	142.27			
19	142.37	142.29	142.24	142.74	146.93	146.79	143.66	142.63	142.25	142.16	142.18	142.38			
20	142.41	142.29	142.22	142.64	145.99	145.79	143.55	142.66	142.25	142.17	142.21	142.44			
21	142.49	142.40	142.24	142.90	145.48	144.47	143.45	142.66	142.24	142.17	142.50	142.42			
22	142.49	142.71	142.22	144.21	144.63	143.87	143.37	142.64	142.23	142.29	142.53	142.45			
23	142.49	144.80	142.19	144.38	144.27	143.95	143.29	142.67	142.23	142.24	142.45	142.43			
24	142.49	145.12	142.13	144.12	145.80	144.43	143.30	142.65	142.23	142.22	142.41	142.36			
25	142.54	144.30	142.09	143.95	145.39	146.87	143.32	142.59	142.22	142.37	142.44	142.28			
26	142.45	144.13	142.12	143.68	145.70	148.31	143.32	142.51	142.23	142.33	142.43	142.21			
27	142.44	143.84	142.19	143.44	147.73	148.96	143.28	142.48	142.22	142.50	142.38	142.13			
28	142.44	143.61	142.19	143.25	148.31	149.03	143.17	142.47	142.19	142.43	142.34	142.11			
29	142.39	143.00	142.26	143.17	147.97	148.82	143.10	142.47	142.17	142.37		142.18			
30	142.37	142.63	142.30	143.05	146.18	148.33	143.09	142.45	142.21	142.28		142.10			
31		142.59		142.91	144.54		143.14		142.24	142.30		142.02			
Mean	142.46	142.82	142.33	142.90	144.91	146.03	145.14	142.62	142.28	142.26	142.29	142.23			
Max	142.54	145.12	142.69	144.38	148.31	149.03	149.12	143.03	142.44	142.50	142.53	142.45	149.12		
Min	142.37	142.29	142.09	142.37	142.85	143.24	143.09	142.45	142.13	142.16	142.18	141.98	141.99		
Annual Max Momentary Gage Height	149.13		m. (MSL.) ,		at 18.00 Hours , on Oct 4, 2022										
Zero Gage at Bottom Elevation	141.29		m. (MSL.) ,		River Bed		141.86	m. (MSL.)							
Left Bank Elevation	150.10		m. (MSL.) ,												
Right Bank Elevation	150.50		m. (MSL.) ,		Drainage Are		9.888	Square Kilometers							



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	27.95	19.40	48.75	118.70	675.00	60.45	22.40	10.80	0.00	0.00	
2	0.00	0.00	22.40	18.20	60.45	89.70	758.30	54.60	21.80	9.20	0.00	0.00	
3	0.00	0.00	20.00	18.20	70.85	74.75	769.10	48.10	20.60	8.80	0.00	0.00	
4	0.00	0.00	19.40	25.40	74.75	74.10	793.40	43.55	20.60	8.80	0.00	0.00	
5	0.00	0.00	27.30	21.80	75.40	96.20	771.80	40.30	20.00	8.80	0.00	0.00	
6	0.00	0.00	38.35	19.40	70.20	89.70	620.40	37.05	20.00	9.20	0.00	0.00	
7	0.00	0.00	33.80	19.40	64.35	84.50	420.20	29.90	20.00	8.80	0.00	0.00	
8	0.00	0.00	29.25	20.60	53.30	118.00	317.25	31.85	18.20	8.80	0.00	0.00	
9	0.00	0.00	26.65	22.40	69.55	120.80	270.60	31.20	17.60	11.60	0.00	0.00	
10	0.00	0.00	24.20	22.40	127.80	158.60	228.40	37.70	7.20	12.40	0.00	0.00	
11	0.00	0.00	22.40	21.80	160.00	351.80	231.60	32.50	12.00	13.20	0.00	0.00	
12	0.00	0.00	21.80	27.95	145.30	452.70	279.60	29.25	14.00	16.40	0.00	0.00	
13	0.00	0.00	19.40	28.60	147.40	522.00	206.75	27.95	13.60	17.00	0.00	0.00	
14	0.00	0.00	15.20	25.40	170.50	642.50	156.50	26.00	13.60	13.60	0.00	0.00	
15	0.00	0.00	12.00	23.60	176.80	709.70	167.00	26.00	13.20	13.20	0.00	0.00	
16	0.00	0.00	12.00	32.50	180.30	698.90	143.20	25.40	12.00	12.40	0.00	0.00	
17	0.00	0.00	10.40	73.45	313.45	601.20	126.40	26.65	12.40	10.00	0.00	0.00	
18	0.00	0.00	9.60	59.15	441.20	464.30	111.00	27.95	12.00	9.20	0.00	0.00	
19	0.00	0.00	11.60	41.60	368.75	351.80	101.40	34.45	12.00	8.40	0.00	0.00	
20	0.00	0.00	10.80	35.10	275.10	257.65	94.25	36.40	12.00	8.80	0.00	0.00	
21	0.00	0.00	11.60	52.00	232.40	157.90	87.75	36.40	11.60	8.80	0.00	0.00	
22	0.00	39.65	10.80	139.70	169.10	115.90	82.55	35.10	11.20	13.60	0.00	0.00	
23	0.00	181.00	9.60	151.60	143.90	121.50	77.35	37.05	11.20	11.60	0.00	0.00	
24	0.00	204.50	7.20	133.40	258.50	155.10	78.00	35.75	11.20	10.80	0.00	0.00	
25	0.00	146.00	5.70	121.50	225.20	361.40	79.30	31.85	10.80	18.20	0.00	0.00	
26	0.00	134.10	6.80	102.70	250.00	584.40	79.30	26.65	11.20	15.80	0.00	0.00	
27	0.00	113.80	9.60	87.10	478.25	750.20	76.70	24.80	10.80	26.00	0.00	0.00	
28	0.00	98.15	9.60	74.75	584.40	769.10	69.55	24.20	9.60	21.80	0.00	0.00	
29	0.00	58.50	12.40	69.55	520.25	712.40	65.00	24.20	8.80	18.20	0.00	0.00	
30	0.00	34.45	14.00	61.75	292.20	589.20	64.35	23.00	10.40	13.20	0.00	0.00	
31		31.85		52.65	162.80		67.60		11.60	14.00		0.00	
Total	0.00	1042.00	511.80	1623.05	6411.20	10394.70	8069.60	1006.25	433.60	391.40	0.00	0.00	29883.60 CMSDAY
Mean	0.00	33.61	17.06	52.36	206.81	346.49	260.31	33.54	13.99	12.63	0.00	0.00	81.87 CMS
Max	0.00	204.50	38.35	151.60	584.40	769.10	793.40	60.45	22.40	26.00	0.00	0.00	793.40 CMS
Min	0.00	0.00	5.70	18.20	48.75	74.10	64.35	23.00	7.20	8.40	0.00	0.00	0.00 CMS
Runoff	0.00	90.03	44.22	140.23	553.93	898.10	697.21	86.94	37.46	33.82	0.00	0.00	2581.94 MCM
Momentary Peak	796.10 CMS. at 149.13 m. (MSL.) at 18.00 Hours , on Oct 4, 2022												
Runoff Yield	8.28	Liters/Second/Square KM.		Momentary Peak Yield		80.51	Liters/Second/Square KM.						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	25.77	9.14	46.70	174.80	565.68	78.20	20.87	11.00	0.00	0.00		
2	0.00	0.00	20.87	8.21	58.04	126.15	589.26	67.70	19.98	9.45	0.00	0.00		
3	0.00	0.00	18.20	7.90	80.30	99.90	592.78	60.00	19.09	9.14	0.00	0.00		
4	0.00	0.00	17.48	11.72	82.40	95.70	598.06	51.74	18.20	9.14	0.00	0.00		
5	0.00	0.00	20.43	13.88	88.70	119.76	594.54	46.70	17.84	9.14	0.00	0.00		
6	0.00	0.00	33.33	13.52	80.30	122.60	558.40	42.96	17.84	9.14	0.00	0.00		
7	0.00	0.00	31.11	12.80	73.30	106.98	486.15	33.33	18.65	9.14	0.00	0.00		
8	0.00	0.00	26.66	13.16	57.41	146.20	409.77	35.11	16.76	9.45	0.00	0.00		
9	0.00	0.00	24.43	14.24	71.90	146.20	360.33	34.22	16.04	11.00	0.00	0.00		
10	0.00	0.00	22.65	13.88	134.20	188.66	313.35	40.82	9.76	11.72	0.00	0.00		
11	0.00	0.00	20.87	13.88	189.43	384.66	320.64	36.00	8.21	12.44	0.00	0.00		
12	0.00	0.00	19.98	17.84	182.50	495.64	353.85	31.55	12.80	13.88	0.00	0.00		
13	0.00	0.00	17.84	18.65	178.65	551.50	294.72	29.77	12.08	14.24	0.00	0.00		
14	0.00	0.00	15.32	17.84	200.98	641.50	219.82	27.55	12.08	12.80	0.00	0.00		
15	0.00	0.00	13.16	16.76	219.03	660.30	226.14	26.66	11.72	12.08	0.00	0.00		
16	0.00	0.00	11.72	21.32	224.56	654.66	197.13	26.21	10.69	11.72	0.00	0.00		
17	0.00	0.00	11.00	71.20	328.74	632.10	174.80	26.21	11.00	10.38	0.00	0.00		
18	0.00	0.00	10.69	65.60	469.52	547.36	154.45	27.99	10.69	9.76	0.00	0.00		
19	0.00	0.00	11.72	38.68	447.54	447.54	139.45	33.33	10.38	9.14	0.00	0.00		
20	0.00	0.00	10.69	28.44	353.04	364.38	127.57	37.61	10.69	9.14	0.00	0.00		
21	0.00	0.00	11.00	45.10	299.58	256.95	118.34	36.54	10.38	0.00	0.00	0.00		
22	0.00	20.87	10.38	149.95	237.20	179.42	111.24	33.33	10.07	0.00	0.00	0.00		
23	0.00	162.72	9.45	187.89	182.50	176.34	103.43	37.07	9.76	0.00	0.00	0.00		
24	0.00	264.85	7.90	165.74	294.72	208.76	102.01	36.00	9.45	0.00	0.00	0.00		
25	0.00	184.04	6.35	149.20	297.15	397.68	103.43	32.00	9.45	0.00	0.00	0.00		
26	0.00	162.72	6.04	126.15	299.58	583.14	102.72	26.66	9.45	0.00	0.00	0.00		
27	0.00	139.45	8.83	101.30	488.52	637.74	98.50	32.00	9.45	0.00	0.00	0.00		
28	0.00	118.34	8.52	89.40	601.58	610.38	90.80	24.43	8.52	0.00	0.00	0.00		
29	0.00	75.40	8.52	79.60	577.32	589.26	81.70	22.65	7.90	0.00	0.00	0.00		
30	0.00	40.28	7.28	69.80	406.05	555.64	80.30	21.76	8.83	0.00	0.00	0.00		
31		29.77		56.15	238.78		83.80		10.38	0.00		0.00		
Total	0.00	1198.44	468.19	1648.94	7490.22	10901.90	8353.16	1096.10	389.01	213.90	0.00	0.00	31759.86	CMSDAY
Mean	0.00	38.66	15.61	53.19	241.62	363.40	269.46	36.54	12.55	6.90	0.00	0.00	87.01	CMS
Max	0.00	264.85	33.33	187.89	601.58	660.30	598.06	78.20	20.87	14.24	0.00	0.00	660.30	CMS
Min	0.00	0.00	6.04	7.90	46.70	95.70	80.30	21.76	7.90	0.00	0.00	0.00	0.00	CMS
Runoff	0.00	103.55	40.45	142.47	647.16	941.92	721.71	94.70	33.61	18.48	0.00	0.00	2744.05	MCM
Momentary Peak	660.30 CMS. at 144.80 m. (MSL.) at 01.00 Hours , on Sep 15, 2022													
Runoff Yield	8.54	Liters/Second/Square KM.					Momentary Peak Yield	64.79	Liters/Second/Square KM.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.51	0.42	8.32	38.00	11.13	21.20	47.50	6.62	4.23	0.82	0.18	0.24	
2	1.58	0.38	5.90	62.00	18.40	19.20	62.00	6.26	4.67	1.00	0.18	0.24	
3	1.58	0.38	5.00	25.20	12.97	11.59	44.75	6.08	4.34	0.70	0.18	0.24	
4	1.24	0.38	4.12	20.00	9.80	9.80	53.75	5.90	4.12	0.62	0.18	0.22	
5	1.44	0.38	3.60	8.70	8.51	53.00	47.50	5.90	4.01	0.50	0.18	0.16	
6	0.66	0.38	3.10	4.45	26.80	49.70	34.00	5.90	3.90	0.58	0.18	0.16	
7	0.58	0.34	2.45	3.90	34.50	30.00	31.20	5.90	3.70	0.58	0.18	0.16	
8	0.62	0.50	2.18	5.00	37.00	16.40	29.20	5.72	3.20	0.70	0.20	0.18	
9	0.70	0.94	2.00	25.60	75.20	72.50	24.00	5.00	2.36	0.70	0.18	0.24	
10	0.70	0.54	1.79	14.60	49.15	33.00	21.60	5.00	1.44	0.54	0.18	0.18	
11	0.70	0.42	1.72	15.44	35.50	56.75	25.60	4.78	1.30	0.38	0.18	0.16	
12	0.70	0.50	1.30	14.32	89.00	49.70	20.00	4.56	1.24	0.42	0.18	0.16	
13	0.70	0.70	1.24	26.40	66.50	77.00	17.60	4.45	1.12	0.38	0.18	0.18	
14	0.70	0.58	1.24	72.50	42.00	58.25	16.00	4.45	1.06	0.28	0.18	0.26	
15	0.70	0.58	1.58	47.50	29.20	34.00	14.88	4.56	1.06	0.28	0.18	0.20	
16	0.70	0.76	1.79	23.20	28.40	28.80	14.04	4.78	1.12	0.28	0.16	0.18	
17	0.70	39.00	2.63	14.88	37.00	24.00	13.48	4.78	1.00	0.28	0.38	0.26	
18	1.18	5.18	4.45	10.02	30.80	32.00	11.82	5.00	1.00	0.22	1.58	0.26	
19	25.60	2.72	1.86	7.94	19.20	36.50	10.68	7.56	0.94	0.24	1.37	0.24	
20	8.51	7.37	2.00	95.00	16.00	31.60	9.80	5.54	0.76	0.24	1.00	0.20	
21	2.81	94.00	0.66	21.20	85.10	38.50	9.36	4.45	0.88	0.24	0.94	0.18	
22	2.09	149.40	0.62	63.50	80.60	28.40	9.80	4.45	0.88	0.22	0.76	0.18	
23	1.58	110.20	0.62	120.00	44.20	71.60	11.59	4.45	0.70	0.22	0.62	0.14	
24	1.24	44.75	0.54	50.25	28.00	57.50	10.46	4.34	0.66	0.22	0.42	0.14	
25	2.90	24.80	0.50	25.20	35.50	86.00	9.58	4.34	0.70	0.22	0.30	0.14	
26	1.65	15.44	0.46	20.00	24.80	106.00	8.51	4.34	0.62	0.22	0.26	0.14	
27	0.62	12.51	0.46	13.20	21.60	53.00	7.75	3.90	0.62	0.20	0.26	0.14	
28	0.50	11.36	0.46	9.80	18.00	38.00	8.51	4.01	0.54	0.20	0.24	0.14	
29	0.50	15.16	0.46	8.32	14.04	30.00	8.13	4.01	0.58	0.18		0.14	
30	0.42	9.80	6.44	7.75	11.36	27.20	7.37	4.34	0.62	0.18		0.14	
31		7.94		12.74	8.70		6.99		0.70	0.18		0.14	
Total	65.11	557.81	69.49	886.61	1048.96	1281.19	647.45	151.37	54.07	12.02	11.01		

WATER YEAR : 2022

WANG RIVER BASIN

Huai Mae Ta at Ban Muang My , Lampang (W.26)

Lat 18 - 35 - 46 N Long 99 - 37 - 19 E

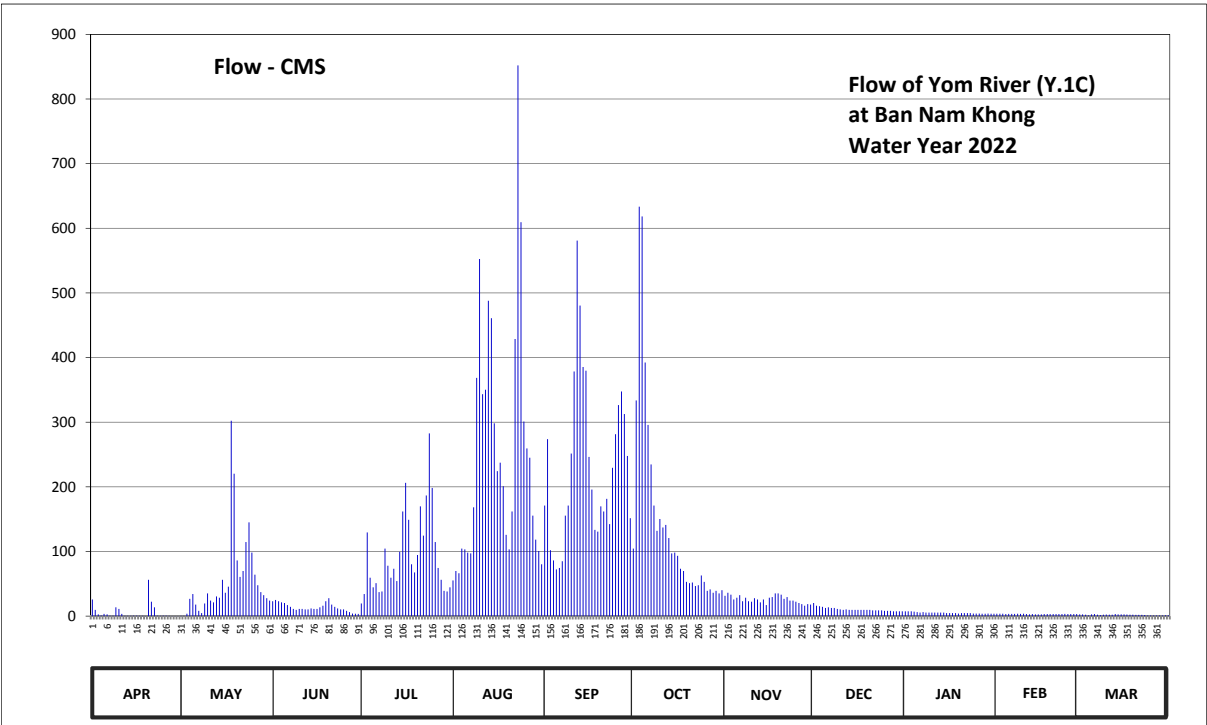
Location : on left bank at Ban Muang My.

	Ban Muang My	Amphoe Chae Hom	Changwat Lampang
Drainge Area	150 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+286.470 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank at the approach of the bridge.	Elevation	+290.173 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.		
Period of Available Gage Records	2011 to date		
Rating Operation			
Period of Rating	2011 to date		
Rated by Float	-		
Rated by Current Meter	2011 to date		
Stability of Channel Regimes	Fairly stable because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair.Stage-discharge relation defined by 29 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	286.00	285.96	286.23	286.04	286.17	286.51	286.93	286.26	286.20	286.04	286.42	286.30	
2	286.00	285.99	286.08	286.05	286.15	286.42	287.18	286.26	286.19	286.02	286.41	286.30	
3	286.05	286.04	286.05	286.03	286.14	286.40	286.89	286.24	286.18	285.99	286.40	286.30	
4	286.04	286.04	286.23	286.04	286.12	286.46	286.89	286.23	286.17	286.01	286.38	286.31	
5	285.95	286.02	286.18	286.02	286.14	286.41	286.91	286.25	286.15	286.01	286.38	286.31	
6	285.99	285.99	286.17	286.00	286.27	286.41	286.80	286.27	286.13	286.03	286.36	286.32	
7	285.93	285.98	286.17	285.99	286.60	286.43	286.73	286.28	286.12	286.04	286.35	286.29	
8	285.94	286.00	286.15	285.99	286.53	286.48	286.67	286.27	286.14	286.03	286.34	286.27	
9	285.93	286.07	286.11	285.98	287.01	286.60	286.69	286.27	286.14	286.03	286.32	286.26	
10	285.91	286.11	286.14	286.13	287.08	286.79	286.65	286.25	286.11	286.03	286.34	286.30	
11	285.92	286.06	286.13	286.23	287.08	286.89	286.64	286.23	286.11	285.99	286.35	286.35	
12	285.89	286.09	286.13	286.35	288.11	287.01	286.61	286.24	286.11	286.01	286.37	286.38	
13	285.89	286.15	286.14	286.25	286.98	287.11	286.57	286.25	286.13	286.01	286.40	286.39	
14	285.90	286.11	286.11	286.51	286.71	286.90	286.45	286.25	286.10	286.02	286.38	286.41	
15	285.94	286.07	286.15	286.57	286.68	286.79	286.43	286.25	286.05	286.02	286.37	286.42	
16	285.99	286.22	286.18	286.38	286.91	286.67	286.44	286.26	286.07	286.02	286.36	286.40	
17	286.01	286.81	286.15	286.30	286.87	286.70	286.42	286.26	286.08	286.00	286.39	286.42	
18	286.02	286.63	286.06	286.19	286.72	286.69	286.42	286.26	286.09	286.00	286.50	286.44	
19	286.11	286.33	286.03	286.19	286.67	286.69	286.39	286.27	286.09	285.99	286.55	286.45	
20	286.17	286.47	285.99	286.32	286.56	286.67	286.33	286.26	286.05	285.99	286.50	286.46	
21	286.21	286.93	285.94	286.26	286.73	286.71	286.33	286.27	286.08	286.02	286.46	286.41	
22	286.13	287.12	285.94	286.84	287.41	286.80	286.34	286.25	286.08	286.29	286.45	286.40	
23	286.06	286.75	285.96	286.78	286.70	287.26	286.35	286.24	286.07	286.56	286.43	286.43	
24	286.04	286.45	285.96	286.48	286.71	287.16	286.33	286.20	286.01	286.57	286.39	286.38	
25	286.04	286.42	285.94	286.26	288.01	287.59	286.31	286.23	285.99	286.56	286.30	286.25	
26	286.04	286.30	285.99	286.33	287.51	286.80	286.31	286.25	285.95	286.56	286.30	286.22	
27	286.01	286.25	285.98	286.27	287.06	286.77	286.32	286.23	285.95	286.55	286.30	286.09	
28	285.98	286.20	285.95	286.22	286.61	286.81	286.33	286.21	286.00	286.51	286.29	285.85	
29	285.95	286.12	285.96	286.17	286.75	286.73	286.31	286.25	286.06	286.42		285.83	
30	285.94	286.24	285.97	286.20	286.61	286.74	286.29	286.19	286.10	286.41		285.83	
31		286.68		286.27	286.55		286.28		286.04	286.42		285.86	
Mean	286.00	286.28	286.07	286.25	286.78	286.75	286.53	286.25	286.09	286.17	286.39	286.28	
Max	286.21	287.12	286.23	286.84	288.11	287.59	287.18	286.28	286.20	286.57	286.55	286.46	288.11
Min	285.89	285.96	285.94	285.98	286.12	286.40	286.28	286.19	285.95	285.99	286.29	285.83	285.83
Annual Max Momentary Gage Height	289.42		m. (MSL.) ,			at 14.00 Hours ,	on Aug 25, 2022						
Zero Gage at Bottom Elevation		286.47	m. (MSL.) ,			River Bed	285.66	m. (MSL.)					
Left Bank Elevation		291.23	m. (MSL.) ,										
Right Bank Elevation		291.27	m. (MSL.) ,			Drainage Are	150	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.20	0.18	0.66	0.24	0.48	1.86	5.00	0.76	0.55	0.24	0.13	0.10	
2	0.20	0.20	0.28	0.25	0.43	1.40	7.59	0.76	0.53	0.22	0.12	0.10	
3	0.25	0.24	0.25	0.23	0.40	1.30	4.61	0.69	0.50	0.20	0.12	0.10	
4	0.24	0.24	0.66	0.24	0.35	1.60	4.61	0.66	0.48	0.21	0.12	0.10	
5	0.18	0.22	0.50	0.22	0.40	1.35	4.80	0.73	0.43	0.21	0.12	0.10	
6	0.20	0.20	0.48	0.20	0.80	1.35	3.80	0.80	0.38	0.23	0.11	0.10	
7	0.17	0.19	0.48	0.20	2.40	1.45	3.28	0.83	0.35	0.24	0.11	0.10	
8	0.17	0.20	0.43	0.20	1.98	1.70	2.86	0.80	0.40	0.23	0.11	0.09	
9	0.17	0.27	0.33	0.19	5.81	2.40	2.99	0.80	0.40	0.23	0.10	0.09	
10	0.16	0.33	0.40	0.38	6.54	3.73	2.73	0.73	0.33	0.23	0.11	0.10	
11	0.16	0.26	0.38	0.66	6.54	4.61	2.66	0.66	0.33	0.20	0.11	0.11	
12	0.15	0.29	0.38	1.10	23.05	5.81	2.47	0.69	0.33	0.21	0.11	0.12	
13	0.15	0.43	0.40	0.73	5.50	6.86	2.22	0.73	0.38	0.21	0.12	0.12	
14	0.15	0.33	0.33	1.86	3.13	4.70	1.55	0.73	0.30	0.22	0.12	0.12	
15	0.17	0.27	0.43	2.22	2.92	3.73	1.45	0.73	0.25	0.22	0.11	0.13	
16	0.20	0.62	0.50	1.22	4.80	2.86	1.50	0.76	0.27	0.22	0.11	0.12	
17	0.21	3.89	0.43	0.90	4.43	3.05	1.40	0.76	0.28	0.20	0.12	0.13	
18	0.22	2.60	0.26	0.53	3.20	2.99	1.40	0.76	0.29	0.20	0.15	0.13	
19	0.33	1.02	0.23	0.53	2.86	2.99	1.26	0.80	0.29	0.20	0.18	0.14	
20	0.48	1.65	0.20	0.98	2.16	2.86	1.02	0.76	0.25	0.20	0.15	0.14	
21	0.59	5.00	0.17	0.76	3.28	3.13	1.02	0.80	0.28	0.22	0.14	0.12	
22	0.38	6.96	0.17	4.16	10.85	3.80	1.06	0.73	0.28	0.10	0.14	0.12	
23	0.26	3.43	0.18	3.65	3.05	8.67	1.10	0.69	0.27	0.18	0.13	0.13	
24	0.24	1.55	0.18	1.70	3.13	7.38	1.02	0.55	0.21	0.19	0.12	0.12	
25	0.24	1.40	0.17	0.76	21.10	13.55	0.94	0.66	0.20	0.18	0.10	0.09	
26	0.24	0.90	0.20	1.02	12.35	3.80	0.94	0.73	0.18	0.18	0.10	0.08	
27	0.21	0.73	0.19	0.80	6.33	3.58	0.98	0.66	0.18	0.18	0.10	0.06	
28	0.19	0.55	0.18	0.62	2.47	3.89	1.02	0.59	0.20	0.16	0.10	0.03	
29	0.18	0.35	0.18	0.48	3.43	3.28	0.94	0.73	0.26	0.13		0.02	
30	0.17	0.69	0.19	0.55	2.47	3.35	0.87	0.53	0.30	0.12		0.02	
31		2.92		0.80	2.10		0.83		0.24	0.13		0.03	
Total	6.86	38.11	9.82	28.38	148.74	113.03	69.92	21.61	9.92	6.09	3.36	3.06	458.90
Mean	0.23	1.23	0.33	0.92	4.80	3.77	2.26	0.72	0.32	0.20			



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	25.80	0.46	23.10	19.50	55.20	171.00	104.50	31.35	20.40	7.50	3.70	2.80		
2	9.60	0.38	24.90	34.20	69.85	273.70	333.60	36.10	16.10	7.50	3.70	2.80		
3	2.80	3.70	23.10	129.50	66.40	102.00	633.50	33.25	15.25	7.50	3.70	2.20		
4	0.88	26.70	21.30	59.50	104.50	86.10	618.50	25.80	14.40	6.80	3.10	1.30		
5	3.40	34.20	20.40	44.45	103.25	72.15	392.40	28.50	12.70	6.10	3.40	2.80		
6	2.80	17.80	16.95	50.90	98.25	74.45	295.80	32.30	13.55	5.40	3.40	3.10		
7	0.80	8.20	14.40	37.05	97.00	84.90	234.70	23.10	12.70	6.10	3.40	2.20		
8	0.68	4.70	11.00	38.00	168.40	155.40	171.00	28.50	12.70	5.40	3.70	1.60		
9	13.55	19.50	9.60	104.50	368.60	171.00	132.00	23.10	11.00	5.40	3.40	2.20		
10	11.00	35.15	11.00	77.90	552.50	251.60	150.20	22.20	10.30	5.40	3.70	2.50		
11	3.40	24.00	11.00	59.50	343.40	378.40	137.20	27.60	9.60	5.40	3.10	2.20		
12	0.58	21.30	10.30	73.30	350.40	581.00	141.10	25.80	10.30	5.40	2.80	2.20		
13	0.42	30.40	10.30	54.13	488.00	480.60	120.75	21.30	9.60	5.40	3.10	3.10		
14	0.56	28.50	11.85	99.50	461.00	385.40	97.00	25.80	9.60	5.40	2.80	2.80		
15	0.80	56.28	11.00	161.90	298.40	379.80	98.25	16.95	9.60	4.70	2.80	2.80		
16	0.68	36.10	11.00	206.10	224.30	246.40	93.30	28.50	9.60	4.70	2.80	2.80		
17	0.50	45.53	13.55	148.90	237.30	195.70	73.30	29.45	9.60	4.70	3.10	2.50		
18	0.38	302.30	16.10	80.20	200.90	133.30	69.85	35.15	9.60	4.70	3.10	2.20		
19	0.32	220.40	23.10	67.55	125.75	130.75	53.05	35.15	9.60	4.00	3.10	2.20		
20	56.28	86.10	27.60	94.50	103.25	169.70	50.90	33.25	9.60	4.70	3.10	1.90		
21	22.20	60.65	17.80	169.70	161.90	161.90	51.98	26.70	8.90	4.70	3.10	1.90		
22	13.55	69.85	14.40	124.50	428.80	181.40	46.60	29.45	8.90	4.70	3.10	1.90		
23	0.84	114.50	11.85	186.60	852.00	142.40	47.68	24.00	8.90	4.70	3.10	1.60		
24	0.54	145.00	10.30	282.80	609.50	229.50	62.95	24.00	8.90	4.00	3.40	0.96		
25	0.84	98.25	10.30	198.30	301.00	281.50	53.05	22.20	8.20	4.00	3.10	1.00		
26	0.68	64.10	8.20	114.50	259.40	326.60	39.08	20.40	8.20	4.00	3.10	0.96		
27	0.48	47.68	6.10	74.45	245.10	347.60	41.23	18.65	8.20	3.70	3.10	0.92		
28	0.17	37.05	4.00	56.28	155.40	312.70	36.10	16.10	7.50	3.70	3.10	0.96		
29	0.14	32.30	3.70	39.08	118.25	247.70	39.08	18.65	7.50	4.00		1.00		
30	0.15	27.60	3.40	38.00	100.75	151.50	35.15	17.80	7.50	3.70		1.30		
31		24.00		44.45	80.20		40.15		7.50	3.70		1.30		
Total	174.82	1722.68	411.60	2969.74	7828.95	6906.15	4493.95	781.10	326.00	157.10	90.10	62.00	25924.19	CMSDAY
Mean	5.83	55.57	13.72	95.80	252.55	230.20	144.97	26.04	10.52	5.07	3.22	2.00	71.03	CMS
Max	56.28	302.30	27.60	282.80	852.00	581.00	633.50	36.10	20.40	7.50	3.70	3.10	852.00	CMS
Min	0.14	0.38	3.40	19.50	55.20	72.15	35.15	16.10	7.50	3.70	2.80	0.92	0.14	CMS
Runoff	15.10	148.84	35.56	256.59	676.42	596.69	388.28	67.49	28.17	13.57	7.78	5.36	2239.85	MCM
Momentary Peak	914.40	CMS.	at 151.19 m. (MSL.) at 17.00 Hours , on Aug 23, 2022											
Runoff Yield	9.27	Liters/Second/Square KM.			Momentary Peak Yield		119.36	Liters/Second/Square KM.						

WATER YEAR : 2022

YOM RIVER BASIN

Yom River at Ban Wang Mai Khon , Sukhothai (Y.3A)

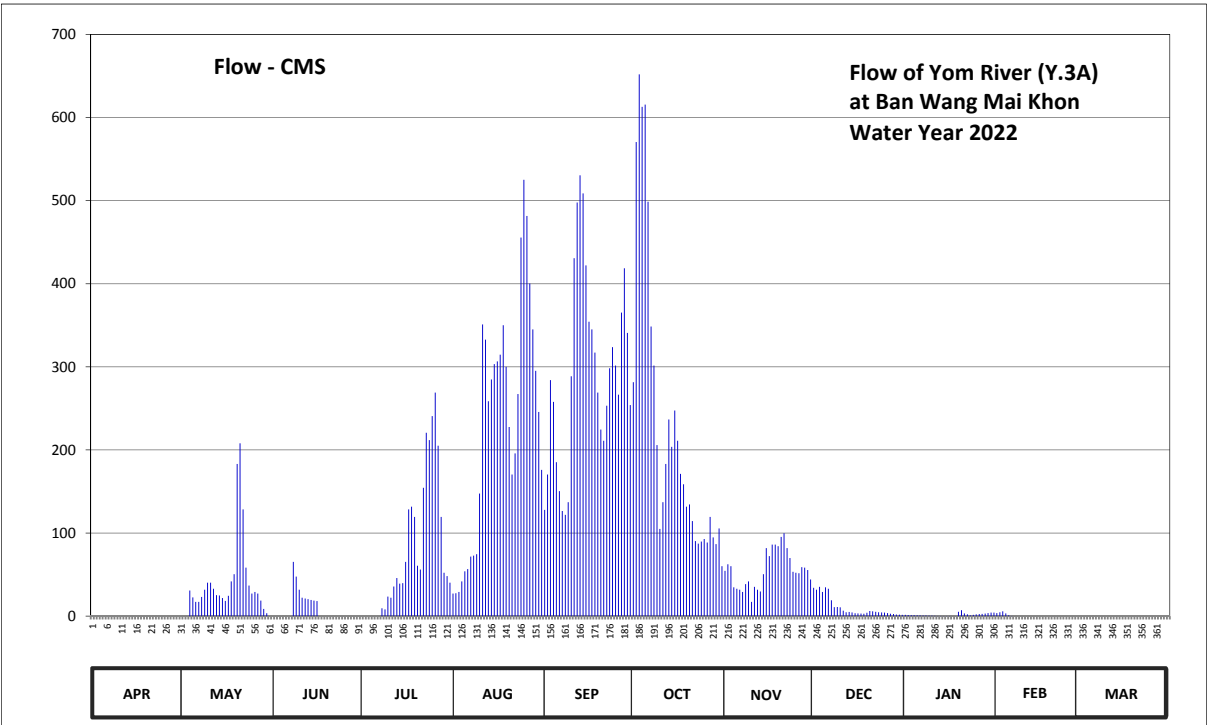
Lat 17 - 18 - 46 N Long 99 - 49 - 37 E

Location : on right bank about 100 meters downstream from the bridge on highway.

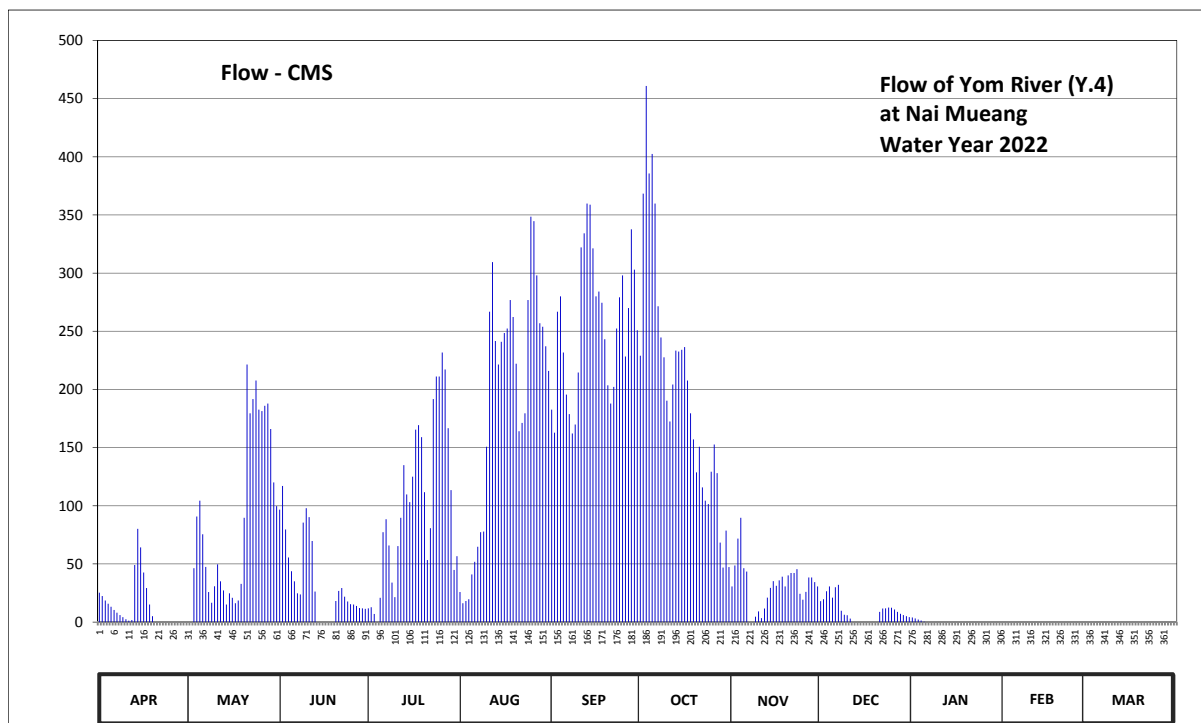
	Ban Wang Mai Khon	Amphoe Sawankhalok	Changwat Sukhothai
Drainge Area	12,757 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+51.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	In front of automatic gage building.	Elevation	+65.475 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1967 to date		
Rating Operation			
Period of Rating	1967 to date		
Rated by Float	-		
Rated by Current Meter	1967 to date		
Stability of Channel Regimes	Stable because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 23 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	52.08	51.86	51.47	51.64	51.78	53.47	55.56	52.27	51.91	50.66	50.89	50.29	
2	52.06	51.96	50.95	51.63	51.79	54.09	58.89	52.41	51.87	50.64	50.98	50.29	
3	52.05	51.88	50.88	51.45	51.82	55.59	59.77	52.37	51.93	50.63	51.06	50.51	
4	52.04	51.85	50.88	51.32	52.05	55.26	59.35	51.92	51.82	50.62	50.85	51.03	
5	52.05	51.68	50.89	51.58	52.26	54.30	59.38	51.89	51.92	50.61	50.61	50.29	
6	52.05	51.54	51.05	51.76	52.31	53.80	58.10	51.87	51.89	50.60	50.53	50.27	
7	52.04	51.54	51.37	51.53	52.57	53.45	56.38	51.82	51.60	50.59	50.49	50.26	
8	52.05	51.69	52.46	51.26	52.59	53.38	55.81	51.99	51.32	50.58	50.46	50.23	
9	52.11	51.87	52.15	51.20	52.62	53.61	54.59	52.05	51.33	50.57	50.42	50.22	
10	52.10	52.02	51.87	51.70	53.76	55.65	53.11	51.54	51.31	50.57	50.38	50.25	
11	52.00	52.02	51.67	51.67	56.41	57.34	53.61	51.93	51.11	50.55	50.35	50.25	
12	51.99	51.89	51.65	51.94	56.19	58.09	54.27	51.87	50.99	50.53	50.36	50.23	
13	51.97	51.74	51.63	52.12	55.27	58.45	55.00	51.83	51.01	50.53	50.37	50.23	
14	51.84	51.73	51.61	52.00	55.60	58.21	54.56	52.20	50.96	50.52	50.34	50.25	
15	51.71	51.66	51.59	52.01	55.83	57.24	55.13	52.74	50.87	50.52	50.33	50.25	
16	51.69	51.58	51.57	52.46	55.87	56.45	54.66	52.58	50.84	50.51	50.57	50.25	
17	51.68	51.72	51.57	53.48	55.97	56.34	54.10	52.81	50.82	50.50	50.66	50.22	
18	51.68	52.05	51.67	53.53	56.40	56.00	53.92	52.81	50.80	50.50	50.86	50.22	
19	51.67	52.20	51.86	53.34	55.79	55.40	53.53	52.78	50.92	51.03	50.63	50.22	
20	51.66	54.27	51.74	52.38	54.88	54.84	53.57	52.96	51.09	51.15	50.42	50.24	
21	51.66	54.62	51.73	52.30	54.09	54.66	53.26	53.03	51.06	50.84	50.34	50.24	
22	51.66	53.48	51.71	53.86	54.45	55.20	52.88	52.74	51.02	50.73	50.30	50.24	
23	51.66	52.34	51.70	54.79	55.38	55.77	52.83	52.54	50.99	50.60	50.30	50.24	
24	51.65	51.96	51.69	54.67	57.62	56.08	52.87	52.25	50.96	50.67	50.28	50.24	
25	51.67	51.78	51.69	55.05	58.39	55.81	52.92	52.23	50.94	50.73	50.27	50.24	
26	51.69	51.82	51.69	55.40	57.91	55.37	52.85	52.22	50.89	50.77	50.28	50.20	
27	51.69	51.78	51.68	54.58	56.99	56.58	53.34	52.35	50.81	50.79	50.27	50.21	
28	51.68	51.59	51.66	53.34	56.34	57.20	52.95	52.34	50.77	50.83	50.26	50.20	
29	51.69	51.23	51.65	52.23	55.73	56.29	52.82	52.29	50.72	50.88		50.22	
30	51.76	50.87	51.65	52.16	55.11	55.21	53.12	52.09	50.70	50.94		50.23	
31		51.04		52.02	54.17		52.37		50.68	50.94		50.23	
Mean	51.84	51.98	51.58	52.59	54.77	55.64	54.69	52.29	51.16	50.68	50.49	50.27	
Max	52.11	54.62	52.46	55.40	58.39	58.45	59.77	53.03	51.93	51.15	51.06	51.03	59.77
Min	51.65	50.87	50.88	51.20	51.78	53.38	52.37	51.54	50.68	50.50	50.26	50.20	50.20
Annual Max Momentary Gage Height	60.22		m. (MSL.) ,				at 01.00 Hours , on Oct 3, 2022						
Zero Gage at Bottom Elevation		51.00	m. (MSL.) ,			River Bed	49.99	m. (MSL.)					
Left Bank Elevation		62.51	m. (MSL.) ,										
Right Bank Elevation		62.99	m. (MSL.) ,			Drainage Are	12,757	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	27.10	127.76	281.54	54.39	34.05	1.44	3.70	0.00	
2	0.00	0.00	0.00	0.00	27.55	170.46	570.49	62.37	31.85	1.26	4.60	0.00	
3	0.00	0.00	0.00	0.00	29.10	283.91	651.91	60.09	35.15	1.17	5.76	0.00	
4	0.00	30.75	0.00	0.00	41.85	257.84	612.85	34.60	29.10	1.08	3.30	0.00	
5	0.00	22.60	0.00	0.00	53.82	185.20	615.64	32.95	34.60	0.99	0.99	0.00	
6	0.00	17.08	0.00	0.00	56.67	150.30	498.60	31.85	32.95	0.90	0.27	0.00	
7	0.00	17.08	0.00	0.00	71.63	126.43	348.42	29.10	19.00	0.81	0.00	0.00	
8	0.00	23.05	65.22	9.38	72.81	121.84	301.52	38.45	10.76	0.72	0.00	0.00	
9	0.00	31.85	47.55	8.00	74.58	137.10	205.79	41.85	10.99	0.63	0.00	0.00	
10	0.00	40.14	31.85	23.50	147.52	288.70	104.83	17.08	10.53	0.63	0.00	0.00	
11	0.00	40.14	22.15	22.15	350.94	430.68	137.10	35.15	6.56	0.45	0.00	0.00	
12	0.00	32.95	21.25	35.70	332.68	497.70	183.07	31.85	4.70	0.27	0.00	0.00	
13	0.00	25.30	20.35	45.84	258.63	530.45	236.60	29.65	4.96	0.27	0.00	0.00	
14	0.00	24.85	19.45	39.00	284.70	508.61	203.66	50.40	4.40	0.18	0.00	0.00	
15	0.00	21.70	18.68	39.57	303.16	421.98	247.33	81.76	3.50	0.18	0.00	0.00	
16	0.00	18.36	18.04	65.22	306.44	354.30	210.97	72.22	3.20	0.09	0.00	0.00	
17	0.00	24.40	0.00	128.42	314.64	345.06	171.15	86.07	3.00	0.00	0.00	0.00	
18	0.00	41.85	0.00	131.75	350.10	317.10	158.64	86.07	2.80	0.00	0.00	0.00	
19	0.00	50.40	0.00	119.32	299.90	268.90	131.75	84.22	4.00	5.28	0.00	0.00	
20	0.00	183.07	0.00	60.66	227.48	224.44	134.41	95.38	6.24	7.20	0.00	0.00	
21	0.00	207.99	0.00	56.10	170.46	210.97	114.28	99.79	5.76	3.20	0.00	0.00	
22	0.00	128.42	0.00	154.47	195.85	253.10	90.37	81.76	5.12	2.10	0.00	0.00	
23	0.00	58.38	0.00	220.66	267.32	298.30	87.30	69.86	4.70	0.90	0.00	0.00	
24	0.00	36.80	0.00	211.72	455.48	323.66	89.76	53.25	4.40	1.53	0.00	0.00	
25	0.00	27.10	0.00	240.73	524.99	301.52	92.86	52.11	4.20	2.10	0.00	0.00	
26	0.00	29.10	0.00	268.90	481.50	266.53	88.53	51.54	3.70	2.50	0.00	0.00	
27	0.00	27.10	0.00	205.08	400.24	365.22	119.32	58.95	2.90	2.70	0.00	0.00	
28	0.00	18.68	0.00	119.32	345.06	418.50	94.75	58.38	2.50	3.10	0.00	0.00	
29	0.00	8.69	0.00	52.11	295.10	340.88	86.68	55.53	2.00	3.60	0.00	0.00	
30	0.00	3.50	0.00	48.12	245.68	253.89	105.46	44.13	1.80	4.20	0.00	0.00	
31	0.00	0.00	0.00	40.14	176.02	0.00	60.09	0.00	1.62	4.20	0.00	0.00	
Total	0.00	1191.33	264.54	2345.86	7189.00	8781.33	7035.67	1680.80	331.04	53.68	18.62	0.00	28891.87 CMSDAY
Mean	0.00	38.43	8.82	75.67	231.90	292.71	226.96	56.03	10.68	1.73	0.66	0.00	79.16 CMS
Max	0.00	207.99	65.22	268.90	524.99	530.45	651.91	99.79	35.15	7.20	5.76	0.00	651.91 CMS
Min	0.00	0.00	0.00	0.00	27.10	121.84	60.09	17.08	1.62	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	102.93	22.86	202.68	621.13	758.71	607.88	145.22	28.60	4.64	1.61	0.00	2496.26 MCM
Momentary Peak	694.21	CMS.	at 60.22 m. (MSL.)	at 01.00 Hours	on Oct 3, 2022								
Runoff Yield	6.20	Liters/Second/Square KM.		Momentary Peak Yield	54.42	Liters/Second/Square KM.							



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	25.30	0.00	96.71	11.78	25.79	182.68	229.02	30.65	18.00	3.97	0.00	0.00	
2	22.36	0.00	117.03	12.80	16.22	162.84	368.25	48.65	19.60	3.13	0.00	0.00	
3	18.50	46.40	79.60	7.02	18.12	266.82	460.88	71.75	26.56	2.15	0.00	0.00	
4	15.84	90.81	55.58	0.00	19.64	280.05	385.65	89.69	30.62	1.40	0.00	0.00	
5	13.18	104.40	43.70	20.89	41.00	231.80	402.45	46.40	21.08	0.40	0.00	0.00	
6	10.42	75.54	35.06	77.28	51.80	195.62	359.74	43.39	30.04	0.00	0.00	0.00	
7	8.04	47.48	24.81	88.45	64.76	178.84	271.44	0.00	31.99	0.00	0.00	0.00	
8	6.00	25.79	23.83	65.84	77.28	162.20	244.72	0.00	9.73	0.00	0.00	0.00	
9	4.20	16.60	85.50	33.98	77.86	169.88	227.63	4.60	6.36	0.00	0.00	0.00	
10	2.40	30.74	97.89	21.38	150.71	214.48	190.36	9.14	5.92	0.00	0.00	0.00	
11	1.20	49.64	90.22	65.30	266.82	322.13	172.44	3.40	3.00	0.00	0.00	0.00	
12	1.80	35.06	69.74	89.63	309.48	334.20	204.20	11.71	0.00	0.00	0.00	0.00	
13	49.10	27.26	26.28	134.96	241.68	359.74	233.32	21.08	0.00	0.00	0.00	0.00	
14	80.19	15.08	0.00	109.80	221.38	358.80	232.56	29.46	0.00	0.00	0.00	0.00	
15	64.22	24.81	0.00	103.20	240.92	321.29	234.08	35.15	0.00	0.00	0.00	0.00	
16	42.62	20.89	0.00	124.96	248.52	280.05	236.36	31.20	0.00	0.00	0.00	0.00	
17	29.22	16.22	0.00	165.40	252.32	284.12	207.63	35.94	0.00	0.00	0.00	0.00	
18	15.08	18.50	0.00	169.24	276.83	274.52	179.48	39.10	0.00	0.00	0.00	0.00	
19	5.10	32.90	0.00	159.00	262.20	243.20	157.08	30.62	0.00	0.00	0.00	0.00	
20	0.00	89.63	18.12	111.60	222.07	203.54	128.66	40.16	0.00	0.00	0.00	0.00	
21	0.00	221.38	26.77	53.42	164.12	187.80	150.71	42.28	8.85	0.00	0.00	0.00	
22	0.00	179.48	29.22	80.78	171.16	202.22	115.81	42.28	11.70	0.00	0.00	0.00	
23	0.00	191.66	21.87	191.66	179.48	252.32	104.40	45.46	11.85	0.00	0.00	0.00	
24	0.00	207.63	17.74	211.05	276.83	279.23	101.43	24.32	12.45	0.00	0.00	0.00	
25	0.00	182.68	15.46	211.05	348.46	298.00	129.29	19.20	12.30	0.00	0.00	0.00	
26	0.00	181.40	15.08	231.80	344.70	228.33	152.60	25.98	10.80	0.00	0.00	0.00	
27	0.00	185.88	13.94	217.22	298.00	269.90	128.03	38.31	8.85	0.00	0.00	0.00	
28	0.00	187.80	12.12	166.68	256.88	337.70	68.28	38.31	7.13	0.00	0.00	0.00	
29	0.00	166.04	11.78	113.40	253.84	302.92	46.85	34.36	6.00	0.00		0.00	
30	0.00	120.08	11.44	44.78	237.12	250.80	78.70	30.62	5.09	0.00		0.00	
31		99.66		56.66	215.85		47.30		4.32	0.00		0.00	
Total	414.77	2691.44	1039.49	3151.01	5831.84	7636.02	6249.35	963.21	302.24	11.05	0.00	0.00	28290.42
Mean	13.83	86.82	34.65	101.65	188.12	254.53	201.59	32.11	9.75	0.36	0.00	0.00	77.51
Max	80.19	221.38	117.03	231.80	348.46	359.74	460.88	89.69	31.99	3.97	0.00	0.00	460.88
Min	0.00	0.00	0.00	0.00	16.22	162.20	46.85	0.00	0.00	0.00	0.00	0.00	0.00
Runoff	35.84	232.54	89.81	272.25	503.87	659.75	539.94	83.22	26.11	0.95	0.00	0.00	2444.29
Momentary Peak	CMS. at 51.38 m. (MSL.) at 04.00 Hours , on Oct 3, 2022												
Runoff Yield	4.65	Liters/Second/Square KM.				Momentary Peak Yield		29.36	Liters/Second/Square KM.				

WATER YEAR : 2022**YOM RIVER BASIN****Yom River at Ban Kaeng Luang , Sukhothai (Y.6)**

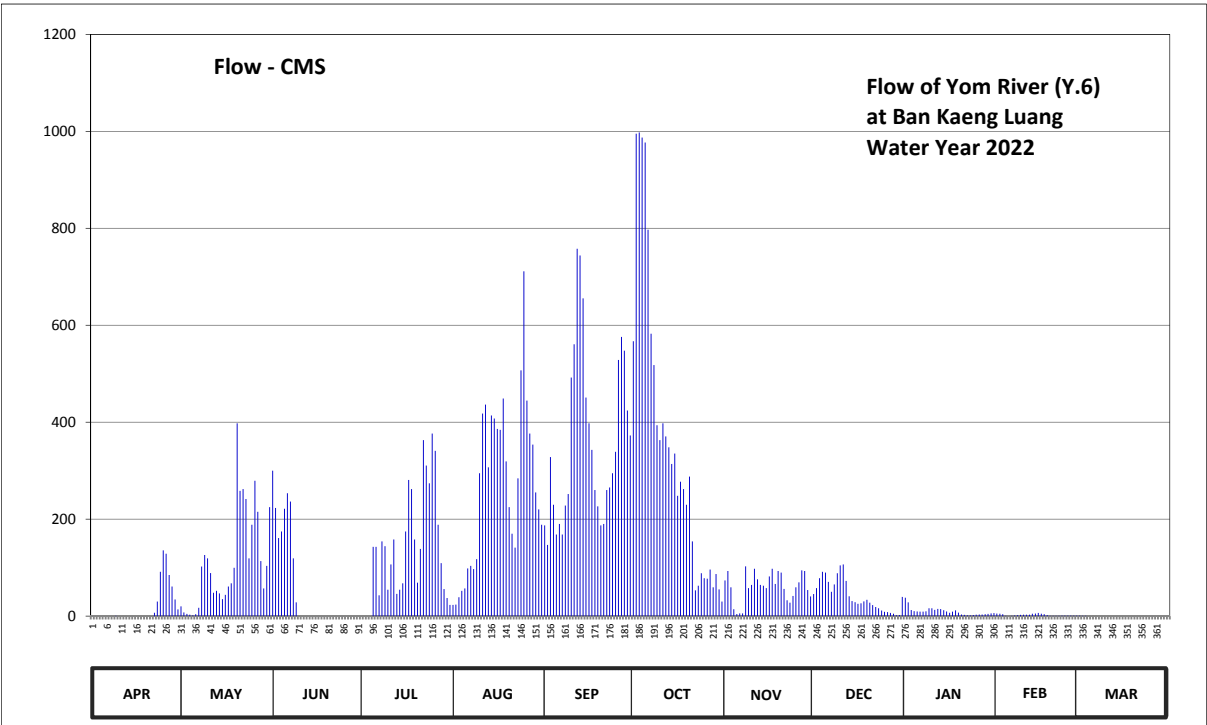
Lat 17 - 26 - 12 N Long 99 - 47 - 15 E

Location : on left bank about 150 meters upstream from Kaeng Luang.

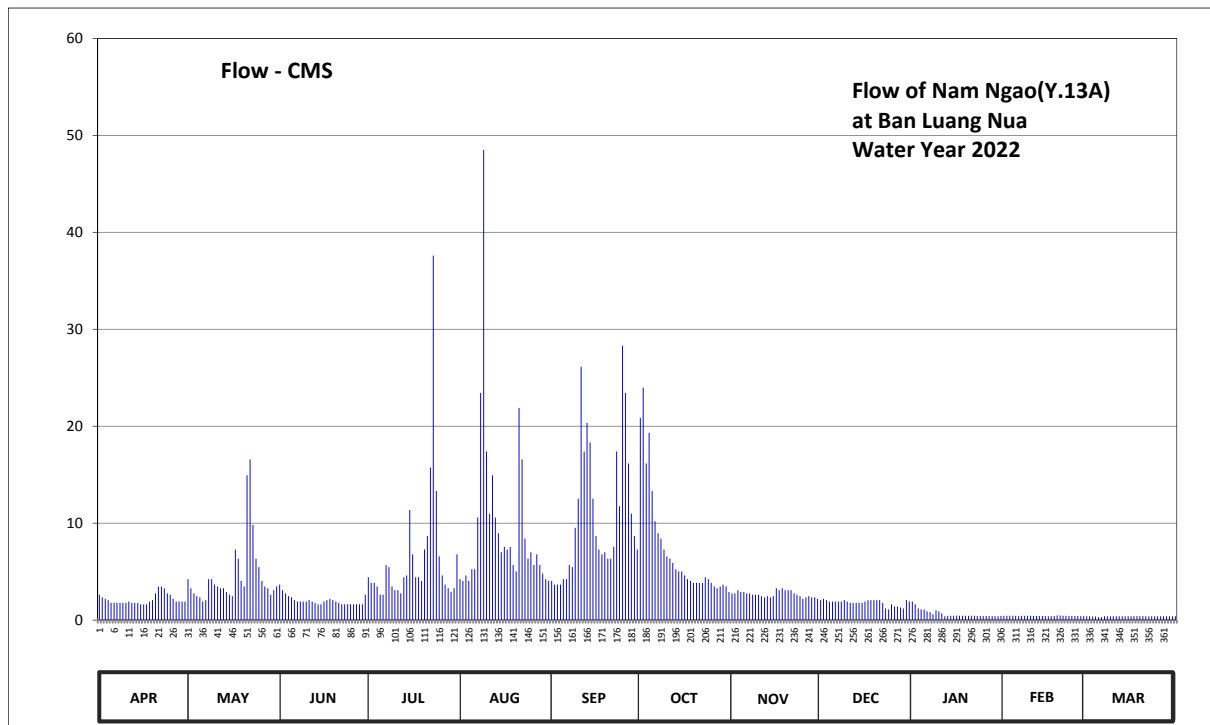
	Ban	Kaeng Luang	Amphoe	Si Satchanalai	Changwat	Sukhothai
Drainge Area	12,619	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+59.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near automatic gage building				Elevation	+68.925 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1952 to date					
Rating Operation						
Period of Rating	1952 to date					
Rated by Flot	-					
Rated by Current Meter	1952 to date					
Stability of Channel Regimes	Fairly stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 24 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	59.22	60.74	62.83	60.94	60.80	62.15	64.17	62.40	62.06	61.03	59.92	59.24	
2	59.28	60.23	62.38	60.95	60.81	61.88	65.95	62.55	62.23	60.89	59.86	59.22	
3	59.31	59.82	61.98	60.96	61.04	62.99	65.96	62.25	62.44	60.57	59.75	59.19	
4	59.32	59.57	62.07	60.89	61.18	62.42	65.92	61.42	62.54	60.49	59.22	59.05	
5	59.33	59.37	62.37	61.85	61.22	62.03	65.88	61.14	62.53	60.44	59.09	58.89	
6	59.34	59.73	62.56	61.85	61.53	62.17	65.16	61.18	62.37	60.41	59.21	58.87	
7	60.50	60.68	62.46	61.09	61.57	62.03	64.24	61.18	62.13	60.42	59.29	58.87	
8	60.95	61.56	61.68	61.93	61.52	62.41	63.94	62.61	62.32	60.46	59.43	58.87	
9	61.02	61.73	60.89	61.86	61.67	62.55	63.34	62.23	62.52	60.66	59.53	58.85	
10	60.92	61.68	59.62	61.20	62.80	63.82	63.18	62.31	62.62	60.66	59.59	58.80	
11	60.89	61.46	59.56	61.59	63.46	64.14	63.36	62.58	62.63	60.58	59.57	58.78	
12	60.83	61.14	59.70	61.96	63.55	65.00	63.22	62.42	62.39	60.63	59.59	58.77	
13	60.64	61.18	59.67	61.12	62.87	64.94	63.10	62.31	61.99	60.62	59.88	58.76	
14	60.23	61.13	59.67	61.20	63.44	64.56	62.91	62.29	61.81	60.56	59.92	58.75	
15	59.98	60.99	59.69	61.30	63.41	63.62	63.03	62.23	61.76	60.44	60.12	58.74	
16	59.85	61.10	60.91	62.07	63.30	63.36	62.53	62.47	61.69	60.16	59.87	58.72	
17	59.92	61.25	61.13	62.72	63.29	63.07	62.70	62.58	61.71	60.41	59.74	58.71	
18	60.05	61.30	61.54	62.61	63.61	62.60	62.61	62.33	61.80	60.55	59.43	58.71	
19	60.07	61.54	61.26	61.96	62.94	62.40	62.42	62.55	61.86	60.22	59.23	58.70	
20	60.07	63.36	60.98	61.31	62.39	62.15	62.76	62.53	61.74	59.63	59.22	58.70	
21	60.06	62.59	60.74	61.82	62.04	62.17	61.93	62.21	61.63	59.54	59.22	58.69	
22	60.17	62.61	60.59	63.18	61.84	62.60	62.17	61.84	61.54	59.38	59.23	58.69	
23	60.92	62.49	60.68	62.89	62.74	62.63	62.29	61.74	61.48	59.38	59.24	58.68	
24	61.48	61.68	60.72	62.68	63.89	62.80	62.52	62.00	61.35	59.48	59.25	58.68	
25	61.80	62.16	61.01	63.25	64.80	63.05	62.44	62.25	61.27	59.60	59.26	58.95	
26	61.75	62.71	61.15	63.06	63.59	63.99	62.43	62.36	61.25	59.62	59.26	59.10	
27	61.43	62.33	61.05	62.16	63.25	64.21	62.57	62.56	61.21	59.66	59.26	59.09	
28	61.25	61.64	61.02	61.61	63.13	64.08	62.25	62.55	61.16	59.73	59.25	59.07	
29	60.98	61.22	60.96	61.21	62.57	63.49	62.51	62.18	61.07	59.84		59.04	
30	60.61	61.57	60.95	61.02	62.36	63.23	62.20	61.98	61.08	59.98		59.05	
31		62.39		60.80	62.16		61.79		61.05	60.08		59.05	
Mean	60.41	61.39	61.06	61.78	62.54	63.08	63.27	62.17	61.85	60.20	59.48	58.88	
Max	61.80	63.36	62.83	63.25	64.80	65.00	65.96	62.61	62.63	61.03	60.12	59.24	65.96
Min	59.22	59.37	59.56	60.80	60.80	61.88	61.79	61.14	61.05	59.38	59.09	58.68	58.68
Annual Max Momentary Gage Height	66.06		m. (MSL.) ,				at 06.00 Hours , on Oct 3, 2022						
Zero Gage at Bottom Elevation		59.00	m. (MSL.) ,			River Bed	57.29	m. (MSL.)					
Left Bank Elevation		68.96	m. (MSL.) ,										
Right Bank Elevation		68.57	m. (MSL.) ,			Drainage Are	12,619	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	20.00	299.90	0.00	23.00	187.05	567.14	73.60	45.38	37.99	5.24	0.84		
2	0.00	7.47	223.15	0.00	23.58	147.00	995.25	92.95	57.66	28.22	4.82	0.72		
3	0.00	4.54	161.00	0.00	38.82	328.14	997.88	59.30	78.24	12.60	4.05	0.54		
4	0.00	2.82	174.65	0.00	52.28	229.69	987.36	14.12	91.40	10.35	0.72	0.00		
5	0.00	1.62	221.58	142.80	57.02	168.45	977.04	4.36	89.85	9.60	0.00	0.00		
6	0.00	3.91	253.42	142.80	98.28	190.15	797.20	5.72	70.54	9.15	0.66	0.00		
7	0.00	17.10	236.47	42.97	103.72	168.45	582.52	5.72	50.09	9.30	1.14	0.00		
8	0.00	102.36	119.00	154.00	96.92	228.00	517.72	102.63	65.44	9.90	1.98	0.00		
9	0.60	126.00	28.22	144.20	117.60	251.73	393.89	57.66	88.30	16.20	2.58	0.00		
10	0.00	119.00	0.00	54.40	294.60	492.16	363.11	64.42	104.56	16.20	2.94	0.00		
11	0.00	88.76	0.00	106.44	417.86	560.67	397.76	97.60	106.49	12.90	2.82	0.00		
12	0.00	48.04	0.00	158.20	436.40	758.00	370.67	75.92	72.58	14.85	2.94	0.00		
13	0.00	52.28	0.00	45.92	306.96	743.96	348.35	64.42	41.02	14.40	4.96	0.00		
14	0.00	46.98	0.00	54.40	413.74	655.40	314.02	62.58	31.03	12.30	5.24	0.00		
15	0.00	34.83	0.00	67.50	407.56	450.82	335.44	57.66	28.62	9.60	6.64	0.00		
16	0.00	43.80	0.00	174.65	386.15	397.76	248.34	81.72	25.36	6.92	4.89	0.00		
17	0.00	60.95	0.00	280.84	384.22	342.82	277.40	97.60	26.27	9.15	3.98	0.00		
18	0.00	67.50	0.00	261.92	448.76	260.20	261.92	66.46	30.50	12.00	1.98	0.00		
19	0.00	99.64	0.00	158.20	319.31	226.30	229.69	92.95	33.68	7.38	0.78	0.00		
20	0.00	397.76	0.00	68.81	224.73	187.05	287.72	89.85	27.68	3.21	0.72	0.00		
21	0.00	258.51	0.00	138.60	170.00	190.15	154.00	56.02	22.72	2.64	0.72	0.00		
22	6.99	261.92	0.00	363.11	141.40	260.20	53.01	32.62	18.76	1.68	0.78	0.00		
23	30.14	241.56	0.00	310.49	284.28	265.36	62.58	27.68	16.28	1.68	0.84	0.00		
24	91.48	119.00	0.00	273.96	507.07	294.60	88.30	41.60	11.60	2.28	0.90	0.00		
25	135.80	188.60	0.00	376.48	711.20	339.13	78.24	59.30	8.78	3.00	0.96	0.00		
26	128.80	279.12	0.00	340.97	444.64	528.37	77.08	69.52	8.10	3.14	0.96	0.00		
27	84.68	215.28	0.00	188.60	376.48	575.83	96.05	94.50	6.74	3.42	0.96	0.00		
28	60.95	113.40	0.00	109.20	353.89	547.74	59.30	92.95	5.04	3.91	0.90	0.00		
29	34.16	57.02	0.00	55.71	255.12	424.04	86.75	53.74	2.10	4.68		0.00		
30	13.95	103.72	0.00	37.16	220.00	372.61	55.20	40.44	2.40	5.66		0.00		
31		224.73		23.00	188.60		30.03		39.65	6.36		0.00		
Total	587.55	3408.22	1717.39	4275.33	8304.19	10771.83	11090.96	1835.61	1306.86	300.67	66.10	2.10	43666.81	CMSDAY
Mean	19.59	109.94	57.25	137.91	267.88	359.06	357.77	61.19	42.16	9.70	2.36	0.07	119.64	CMS
Max	135.80	397.76	299.90	376.48	711.20	758.00	997.88	102.63	106.49	37.99	6.64	0.84	997.88	CMS
Min	0.00	1.62	0.00	0.00	23.00	147.00	30.03	4.36	2.10	1.68	0.00	0.00	0.00	CMS
Runoff	50.76	294.47	148.38	369.39	717.48	930.69	958.26	158.60	112.91	25.98	5.71	0.18	3772.81	MCM
Momentary Peak	1024.18 CMS. at 66.06 m. (MSL.) at 06.00 Hours , on Oct 3, 2022													
Runoff Yield	9.48	Liters/Second/Square KM.			Momentary Peak Yield			81.16	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.62	4.23	3.66	4.42	4.23	4.04	20.86	2.76	2.06	1.92	0.45	0.40		
2	2.34	3.28	3.09	3.85	4.04	3.66	23.98	2.76	2.20	1.64	0.45	0.40		
3	2.20	2.76	2.76	3.85	4.61	3.66	16.16	3.09	2.06	1.20	0.45	0.38		
4	2.06	2.48	2.48	3.47	4.04	3.66	19.33	2.90	1.92	1.10	0.44	0.36		
5	1.78	2.34	2.34	2.62	5.24	4.23	13.31	2.90	1.92	1.10	0.44	0.32		
6	1.78	1.92	2.06	2.62	5.24	4.23	10.19	2.76	1.92	0.90	0.43	0.31		
7	1.78	2.06	1.92	5.68	10.58	5.68	8.96	2.76	1.92	0.80	0.44	0.39		
8	1.78	4.23	1.92	5.46	23.44	5.46	8.40	2.62	1.92	0.60	0.44	0.40		
9	1.78	4.23	1.92	3.47	48.50	9.52	7.28	2.62	2.06	1.00	0.44	0.40		
10	1.78	3.66	1.92	3.09	17.39	12.53	6.56	2.62	1.92	0.90	0.44	0.40		
11	1.92	3.47	2.06	3.09	10.97	26.14	6.34	2.48	1.78	0.70	0.43	0.40		
12	1.78	3.28	1.92	2.76	14.93	17.39	5.90	2.34	1.78	0.40	0.43	0.39		
13	1.78	3.28	1.78	4.42	10.58	20.35	5.24	2.48	1.78	0.45	0.43	0.40		
14	1.78	2.90	1.64	4.61	8.96	18.31	5.02	2.34	1.78	0.45	0.43	0.40		
15	1.64	2.62	1.64	11.36	7.00	12.53	5.02	2.48	1.78	0.45	0.42	0.41		
16	1.64	2.48	1.92	6.78	7.56	8.68	4.61	3.28	1.92	0.46	0.40	0.40		
17	1.64	7.28	2.06	4.42	7.28	7.28	4.23	3.09	2.06	0.44	0.41	0.41		
18	1.92	6.34	2.20	4.42	7.56	6.78	4.04	3.28	2.06	0.44	0.43	0.41		
19	2.06	4.04	2.06	4.04	5.68	7.00	3.85	3.09	2.06	0.45	0.48	0.41		
20	2.76	3.47	1.92	7.28	5.02	6.34	3.85	3.09	2.06	0.45	0.47	0.41		
21	3.47	14.93	1.78	8.68	21.88	6.34	3.85	3.09	2.06	0.44	0.45	0.40		
22	3.47	16.57	1.64	15.75	16.57	7.56	3.85	2.76	1.78	0.45	0.45	0.40		
23	3.28	9.80	1.64	37.60	8.40	17.39	4.42	2.62	1.20	0.43	0.42	0.40		
24	2.76	6.34	1.64	13.31	6.34	11.75	4.23	2.48	1.10	0.42	0.42	0.39		
25	2.62	5.46	1.64	6.56	7.00	28.30	3.85	2.20	1.64	0.41	0.42	0.39		
26	2.20	4.04	1.64	4.61	5.68	23.44	3.47	2.34	1.40	0.42	0.42	0.39		
27	1.92	3.47	1.64	3.66	6.78	16.16	3.28	2.48	1.40	0.41	0.41	0.40		
28	1.92	3.28	1.64	3.28	5.68	10.97	3.47	2.34	1.30	0.41	0.41	0.39		
29	1.92	2.62	1.64	2.90	4.80	8.68	3.66	2.34	1.20	0.41		0.40		
30	1.92	3.09	2.62	3.28	4.23	7.28	3.47	2.20	2.06	0.41		0.40		
31		3.47		6.78	4.04		2.90		1.92	0.43		0.40		
Total	64.30	143.42	60.79	198.12	304.25	325.34	223.58	80.59	56.02	20.49	12.15	12.16	1501.21	CMSDAY
Mean	2.14	4.63	2.03	6.39	9.81	10.84	7.21	2.69	1.81	0.66	0.43	0.39	4.11	CMS
Max	3.47	16.57	3.66	37.60	48.50	28.30	23.98	3.28	2.20	1.92	0.48	0.41	48.50	CMS
Min	1.64	1.92	1.64	2.62	4.04	3.66	2.90	2.20	1.10	0.40	0.40	0.31	0.31	CMS
Runoff	5.56	12.39	5.25	17.12	26.29	28.11	19.32	6.96	4.84	1.77	1.05	1.05	129.70	MCM
Momentary Peak	CMS. at 126.00 m. (MSL.) at 24.00 Hours , on Oct 1, 2022													
Runoff Yield	10.88	Liters/Second/Square KM.				Momentary Peak Yield		333.33	Liters/Second/Square KM.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	63.45	63.62	64.00	63.57	64.24	65.14	68.34	64.22	63.84	63.51	63.34	62.66		
2	63.44	63.58	63.93	63.53	64.39	66.10	70.34	64.23	63.86	63.50	63.29	62.73		
3	63.41	63.63	63.88	63.51	64.44	66.66	70.14	64.14	63.88	63.50	63.24	62.73		
4	63.69	63.68	63.88	64.02	64.59	65.74	70.13	64.16	63.84	63.50	63.20	62.71		
5	63.75	63.64	63.89	64.80	64.71	65.27	69.98	64.13	63.81	63.50	63.16	62.69		
6	63.69	63.78	63.94	64.22	64.95	64.97	68.71	64.03	63.76	63.49	63.09	62.69		
7	63.63	64.02	63.91	64.11	64.87	64.83	67.78	64.03	63.72	63.48	63.04	62.67		
8	63.59	63.94	63.83	64.23	64.90	65.15	67.36	64.06	63.71	63.47	63.01	62.66		
9	63.55	63.89	63.77	64.09	65.34	65.62	66.62	63.96	63.70	63.46	62.83	62.63		
10	63.54	63.85	63.73	64.19	66.44	67.50	66.10	63.99	63.73	63.45	62.77	62.60		
11	63.54	63.81	63.68	64.77	67.52	68.24	66.47	63.97	63.70	63.44	62.77	62.58		
12	63.53	63.88	63.63	64.54	67.27	69.22	66.10	63.92	63.66	63.50	62.77	62.51		
13	63.50	63.89	63.63	64.43	66.85	69.21	65.83	63.98	63.64	63.45	62.76	62.59		
14	63.50	63.79	63.63	64.58	67.35	68.57	65.73	63.94	63.62	63.44	62.77	62.75		
15	63.50	63.80	63.62	64.67	67.26	67.46	65.89	63.89	63.62	63.44	62.77	62.97		
16	63.48	63.85	63.61	65.35	66.91	67.23	65.55	63.96	63.61	63.43	62.76	62.99		
17	63.45	64.01	63.75	65.70	67.27	66.56	65.32	63.87	63.62	63.43	62.76	62.99		
18	63.42	64.16	63.88	65.55	67.26	66.04	65.09	63.97	63.61	63.41	62.75	62.99		
19	63.41	64.78	63.75	65.01	66.54	65.71	64.87	64.05	63.59	63.43	62.73	62.97		
20	63.42	66.07	63.70	64.63	65.86	65.58	64.81	64.13	63.59	63.42	62.72	62.94		
21	63.43	65.93	63.69	65.28	65.42	65.66	64.58	64.11	63.58	63.40	62.70	62.97		
22	63.70	65.68	63.74	66.19	65.39	66.12	64.53	64.05	63.58	63.40	62.68	62.97		
23	63.98	65.00	63.72	66.31	66.62	66.25	64.51	63.98	63.59	63.40	62.67	63.01		
24	63.89	64.96	63.72	66.19	68.32	66.39	64.44	63.98	63.57	63.40	62.66	63.07		
25	63.78	65.28	63.79	66.56	69.09	66.94	64.44	63.92	63.56	63.40	62.66	63.03		
26	63.69	65.19	63.68	66.16	67.67	67.75	64.54	63.93	63.54	63.46	62.65	63.00		
27	63.63	64.74	63.62	65.46	66.89	68.37	64.43	63.93	63.53	63.39	62.65	62.90		
28	63.63	64.43	63.61	64.91	66.73	68.29	64.33	63.89	63.53	63.38	62.66	62.67		
29	63.62	64.33	63.62	64.53	66.02	67.34	64.35	63.87	63.53	63.37		62.66		
30	63.61	64.23	63.64	64.36	65.71	66.80	64.29	63.81	63.52	63.37		62.64		
31		64.09		64.21	65.27		64.27		63.51	63.37		62.70		
Mean	63.58	64.31	63.75	64.83	66.20	66.69	66.12	64.00	63.65	63.44	62.85	62.80		
Max	63.98	66.07	64.00	66.56	69.09	69.22	70.34	64.23	63.88	63.51	63.34	63.07	70.34	
Min	63.41	63.58	63.61	63.51	64.24	64.83	64.27	63.81	63.51	63.37	62.65	62.51	62.51	
Annual Max Momentary Gage Height	70.69		m. (MSL) , at 16.00 Hours , on Oct 2, 2022											
Zero Gage at Bottom Elevation		62.01	m. (MSL) , River Bed 60.52 m. (MSL.)											
Left Bank Elevation		75.22	m. (MSL) ,											
Right Bank Elevation		75.45	m. (MSL) , Drainage Are 12,141 Square Kilometers											

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.20	15.81	42.60	12.85	63.64	158.88	636.46	61.82	30.60	9.55	4.02	0.00	
2	6.84	13.40	37.35	10.65	77.29	282.30	1003.52	62.73	32.10	9.00	2.94	0.00	
3	5.76	16.47	33.60	9.55	82.26	364.16	963.92	54.78	33.60	9.00	2.14	0.00	
4	20.40	19.74	33.60	44.34	97.49	234.02	961.94	56.52	30.60	9.00	1.50	0.00	
5	24.33	17.12	34.35	119.50	110.05	174.37	932.46	53.91	28.35	9.00	1.18	0.00	
6	20.40	26.29	38.10	61.82	136.75	139.05	701.06	45.21	24.98	8.64	0.63	0.00	
7	16.47	44.34	35.85	52.17	127.55	122.95	541.60	45.21	22.36	8.28	0.28	0.00	
8	13.95	38.10	29.85	62.73	131.00	160.05	472.96	47.82	21.71	7.92	0.07	0.00	
9	11.75	34.35	25.64	50.43	182.84	218.06	358.12	39.60	21.05	7.56	0.00	0.00	
10	11.20	31.35	23.02	59.13	331.26	495.60	282.30	41.85	23.02	7.20	0.00	0.00	
11	11.20	28.35	19.74	116.35	498.86	619.06	335.73	40.35	21.05	6.84	0.00	0.00	
12	10.65	33.60	16.47	92.41	458.70	791.00	282.30	36.60	18.43	9.00	0.00	0.00	
13	9.00	34.35	16.47	81.25	393.03	789.15	245.99	41.10	17.12	7.20	0.00	0.00	
14	9.00	26.95	16.47	96.47	471.38	676.48	232.69	38.10	15.81	6.84	0.00	0.00	
15	9.00	27.60	15.81	105.85	457.11	489.08	253.97	34.35	15.81	6.84	0.00	0.00	
16	8.28	31.35	15.16	184.05	402.30	452.36	209.08	39.60	15.16	6.48	0.00	0.00	
17	7.20	43.47	24.33	228.70	458.70	349.14	180.42	32.85	15.81	6.48	0.00	0.00	
18	6.12	56.52	33.60	209.08	457.11	274.08	153.03	40.35	15.16	5.76	0.00	0.00	
19	5.76	117.40	24.33	143.67	346.16	230.03	127.55	46.95	13.95	6.48	0.00	0.00	
20	6.12	278.19	21.05	101.65	249.98	212.87	120.65	53.91	13.95	6.12	0.00	0.00	
21	6.48	259.29	20.40	175.58	192.63	223.38	96.47	52.17	13.40	5.40	0.00	0.00	
22	21.05	226.04	23.67	294.63	188.89	285.04	91.40	46.95	13.40	5.40	0.00	0.00	
23	41.10	142.50	22.36	312.12	358.12	303.33	89.37	41.10	13.95	5.40	0.00	0.07	
24	34.35	137.90	22.36	294.63	632.98	323.84	82.26	41.10	12.85	5.40	0.00	0.49	
25	26.29	175.58	26.95	349.14	767.94	406.93	82.26	36.60	12.30	5.40	0.00	0.21	
26	20.40	164.73	19.74	290.52	523.45	536.65	92.41	37.35	11.20	7.56	0.00	0.00	
27	16.47	113.20	15.81	197.69	399.21	641.68	81.25	37.35	10.65	5.17	0.00	0.00	
28	16.47	81.25	15.16	132.15	374.73	627.76	71.83	34.35	10.65	4.94	0.00	0.00	
29	15.81	71.83	15.81	91.40	271.34	469.79	73.65	32.85	10.65	4.71	0.00	0.00	
30	15.16	62.73	17.12	74.56	230.03	385.30	68.19	28.35	10.10				

WATER YEAR : 2022**YOM RIVER BASIN****Yom River at Ban Kong , Sukhothai (Y.15)**

Lat 16 - 55 - 39 N Long 99 - 57 - 34 E

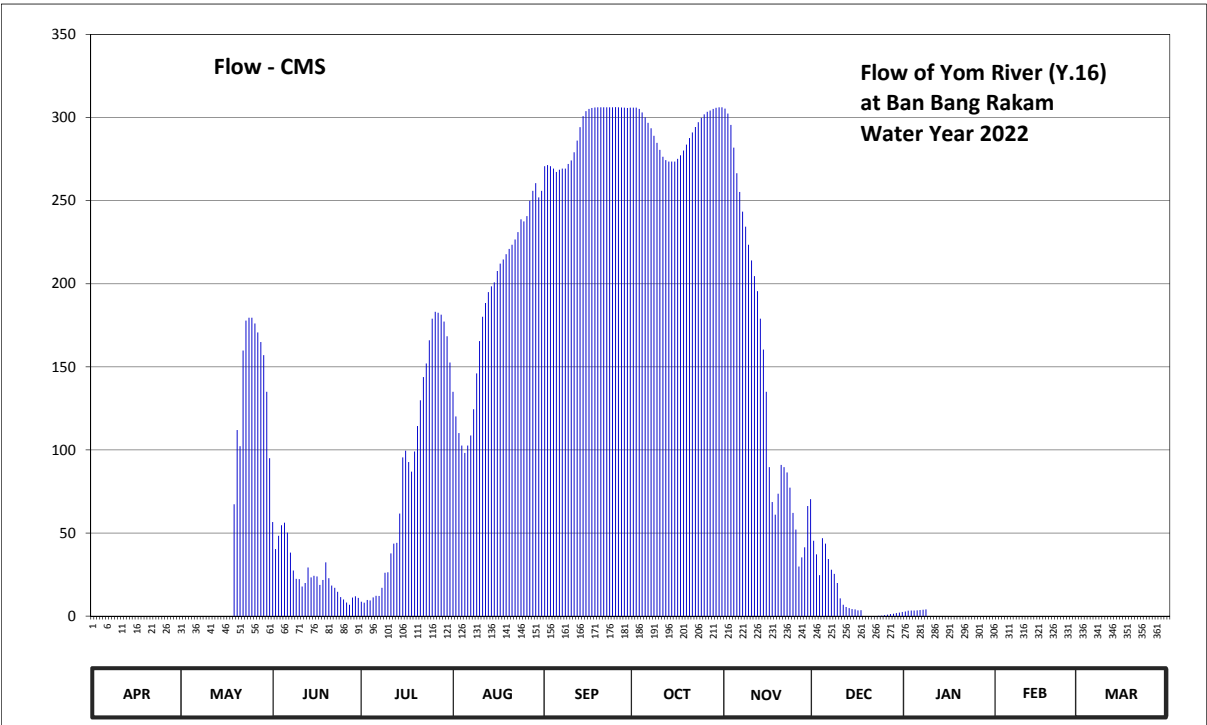
Location : on left bank at Ban Kong.

	Ban Kong	Amphoe Kong Krailat	Changwat Sukhothai
Drainage Area	18,894 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+35.290 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank near the gage site.	Elevation	+45.320 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2010 to date		
Rating Operation			
Period of Rating	2010 to date		
Rated by Float	-		
Rated by Current Meter	2010 to date		
Stability of Channel Regimes	Stable because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Stage-discharge relation defined by 16 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	38.18	35.71	39.08	38.77	40.45	43.33	43.64	42.58	40.31	39.68	38.09	39.41	
2	38.13	35.74	39.39	38.70	40.41	43.32	43.66	42.50	40.23	39.66	38.25	39.44	
3	38.09	35.72	39.73	38.64	40.13	43.28	43.66	42.40	39.94	39.67	38.76	39.48	
4	38.18	35.69	39.57	39.00	40.01	43.24	43.74	42.31	39.96	39.69	38.93	39.53	
5	38.14	35.69	39.41	39.41	39.99	43.21	43.85	42.22	40.60	39.63	39.03	39.57	
6	38.13	35.68	39.29	39.23	40.03	43.19	43.92	42.13	40.81	39.57	39.12	39.59	
7	38.03	35.68	39.07	39.20	40.22	43.17	43.97	42.02	40.80	39.54	39.22	39.60	
8	37.92	35.68	38.69	39.59	40.57	43.14	44.01	41.89	40.68	39.49	39.26	39.59	
9	37.86	35.68	38.87	39.05	40.74	43.10	44.03	41.74	40.52	39.43	39.25	39.61	
10	37.78	35.69	39.58	38.75	40.90	43.07	44.03	41.56	40.54	39.34	39.22	39.61	
11	37.73	35.71	39.86	38.69	41.12	43.04	44.00	41.35	40.52	39.22	39.21	39.61	
12	37.69	35.70	40.08	38.66	41.47	43.09	43.97	41.08	40.53	39.14	39.20	39.59	
13	37.63	35.79	39.43	38.73	41.70	43.18	43.93	40.79	40.49	39.05	39.20	39.55	
14	37.56	36.39	39.53	39.48	41.81	43.26	43.89	40.48	40.43	39.11	39.17	39.52	
15	37.44	36.24	39.30	39.61	41.99	43.35	43.87	40.33	40.38	39.17	39.12	39.48	
16	37.38	36.27	38.83	39.30	42.14	43.42	43.86	40.18	40.35	39.15	39.08	39.41	
17	37.27	36.33	38.92	39.65	42.26	43.47	43.82	39.94	40.33	39.11	39.06	39.33	
18	37.16	36.65	38.87	40.39	42.40	43.49	43.77	39.79	40.30	39.05	39.11	39.25	
19	37.05	38.28	38.60	40.58	42.52	43.52	43.72	40.01	40.27	38.91	39.11	39.18	
20	36.90	39.96	38.56	40.71	42.63	43.54	43.65	39.83	40.26	38.79	39.10	39.11	
21	36.76	39.54	38.66	40.71	42.72	43.53	43.54	39.75	40.25	38.73	39.09	39.01	
22	36.53	40.83	38.75	40.65	42.75	43.52	43.46	39.82	40.23	38.68	39.04	38.93	
23	36.37	41.05	38.83	40.75	42.77	43.50	43.37	39.67	40.17	38.62	39.00	38.83	
24	36.19	40.88	38.95	41.05	42.88	43.52	43.27	39.31	40.08	38.57	39.03	38.71	
25	35.94	41.13	39.14	41.28	42.91	43.56	43.16	39.05	40.02	38.52	39.18	38.58	
26	35.80	41.06	39.56	41.52	43.00	43.59	43.06	39.76	39.97	38.45	39.27	38.57	
27	35.73	40.81	39.71	41.64	43.13	43.60	42.97	40.35	39.92	38.37	39.33	38.44	
28	35.69	40.65	39.47	41.67	43.23	43.60	42.90	40.27	39.87	38.32	39.37	38.36	
29	35.69	40.45	39.43	41.59	43.32	43.61	42.80	40.17	39.83	38.26		38.33	
30	35.70	40.02	39.42	41.40	43.31	43.63	42.72	40.10	39.77	38.22		38.28	
31		39.38		41.07	43.32		42.66		39.72	38.18		38.26	
Mean	37.16	37.74	39.22	39.98	41.83	43.37	43.58	40.78	40.26	39.01	39.06	39.15	
Max	38.18	41.13	40.08	41.67	43.32	43.63	44.03	42.58	40.81	39.69	39.37	39.61	44.03
Min	35.69	35.68	38.56	38.64	39.99	43.04	42.66	39.05	39.72	38.18	38.09	38.26	35.68
Annual Max Momentary Gage Height	44.04		m. (MSL.) ,			at 17.00 Hours ,	on Oct 9, 2022						
Zero Gage at Bottom Elevation		35.29	m. (MSL.) ,			River Bed	33.41	m. (MSL.)					
Left Bank Elevation		46.21	m. (MSL.) ,										
Right Bank Elevation		46.24	m. (MSL.) ,			Drainage Are	18,894	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	8.91	69.25	215.86	235.12	171.94	63.51	0.00	0.00	0.00	
2	0.00	0.00	0.00	6.60	67.61	215.24	236.38	167.30	60.41	0.00	0.00	0.00	
3	0.00	0.00	0.00	4.62	56.56	212.82	236.38	161.80	49.40	0.00	0.00	0.00	
4	0.00	0.00	0.00	16.50	52.03	210.46	241.42	156.85	50.15	0.00	0.00	0.00	
5	0.00	0.00	0.00	30.51	51.28	208.69	248.35	151.98	75.40	0.00	0.00	0.00	
6	0.00	0.00	0.00	24.22	52.78	207.51	252.76	147.12	84.01	0.00	0.00	0.00	
7	0.00	0.00	0.00	23.20	60.02	206.33	255.91	141.18	83.60	0.00	0.00	0.00	
8	0.00	0.00	0.00	36.90	74.17	204.56	258.43	134.21	24.90	0.00	0.00	0.00	
9	0.00	0.00	0.00	18.15	81.14	202.20	259.69	126.86	9.62	0.00	0.00	0.00	
10	0.00	0.00	0.00	8.25	87.70	200.43	259.69	118.32	11.34	0.00	0.00	0.00	
11	0.00	0.00	0.00	6.27	97.82	198.66	257.80	108.45	9.62	0.00	0.00	0.00	
12	0.00	0.00	0.32	5.28	114.09	201.61	255.91	95.98	10.48	0.00	0.00	0.00	
13	0.00	0.00	0.00	7.59	124.90	206.92	253.39	83.19	7.50	0.00	0.00	0.00	
14	0.00	0.00	0.00	32.99	130.29	211.64	250.87	70.48	5.10	0.00	0.00	0.00	
15	0.00	0.00	0.00	37.61	139.56	217.10	249.61	64.33	3.52	0.00	0.00	0.00	
16	0.00	0.00	0.00	26.60	147.66	221.44	248.98	58.48	2.95	0.00	0.00	0.00	
17	0.00	0.00	0.00	39.03	154.14	224.54	246.46	49.40	2.57	0.00	0.00	0.00	
18	0.00	0.00	0.00	66.79	161.80	225.78	243.31	44.00	2.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	74.58	168.46	227.64	240.16	52.03	1.64	0.00	0.00	0.00	
20	0.00	0.00	0.00	79.91	174.84	228.88	235.75	45.42	1.52	0.00	0.00	0.00	
21	0.00	0.00	0.00	79.91	180.06	228.26	228.88	42.58	1.40	0.00	0.00	0.00	
22	0.00	43.90	0.00	77.45	181.80	227.64	223.92	45.06	1.16	0.00	0.00	0.00	
23	0.00	75.50	0.00	81.55	182.96	226.40	218.34	39.74	0.68	0.00	0.00	0.00	
24	0.00	50.40	0.00	94.60	189.34	227.64	212.23	26.96	0.32	0.00	0.00	0.00	
25	0.00	88.70	0.00	105.18	191.08	230.12	205.74	18.15	0.08	0.00	0.00	0.00	
26	0.00	77.00	0.00	116.44	196.30	231.98	199.84	42.93	0.00	0.00	0.00	0.00	
27	0.00	41.30	0.00	122.08	203.97	232.60	194.56	65.15	0.00	0.00	0.00	0.00	
28	0.00	21.75	0.00	123.49	209.87	232.60	190.50	61.95	0.00	0.00	0.00	0.00	
29	0.00	5.90	0.00	119.73	215.24	233.23	184.70	58.10	0.00	0.00	0.00	0.00	
30	0.00	0.08	0.00	110.80	214.62	234.49	180.06	55.40	0.00	0.00	0.00	0.00	
31		0.00		95.52	215.24		176.58		0.				



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	56.58	8.65	135.00	270.70	305.91	305.40	45.30	2.76	0.00	0.00	
2	0.00	0.00	40.35	8.05	120.12	271.40	305.93	302.38	37.20	3.24	0.00	0.00	
3	0.00	0.00	48.37	9.70	110.11	270.70	305.14	295.60	24.62	3.32	0.00	0.00	
4	0.00	0.00	54.66	9.40	102.65	269.30	303.06	281.90	46.84	3.40	0.00	0.00	
5	0.00	0.00	56.26	11.30	98.15	267.20	300.08	266.50	43.59	3.48	0.00	0.00	
6	0.00	0.00	50.20	12.26	102.65	268.60	296.81	255.24	34.32	3.64	0.00	0.00	
7	0.00	0.00	38.22	12.10	108.70	269.30	293.50	243.36	27.90	3.80	0.00	0.00	
8	0.00	0.00	27.45	17.06	124.47	269.30	289.05	234.28	25.43	4.04	0.00	0.00	
9	0.00	0.00	22.41	26.10	146.00	272.10	284.73	223.45	19.91	0.00	0.00	0.00	
10	0.00	0.00	22.20	26.33	165.44	274.20	280.56	214.00	10.66	0.00	0.00	0.00	
11	0.00	0.00	17.82	37.70	180.16	279.10	276.41	204.55	6.85	0.00	0.00	0.00	
12	0.00	0.00	19.91	43.59	188.42	286.10	274.33	195.50	5.49	0.00	0.00	0.00	
13	0.00	0.00	29.30	44.13	194.91	294.25	273.50	178.98	4.81	0.00	0.00	0.00	
14	0.00	0.00	23.25	61.73	198.45	300.86	273.50	160.40	4.27	0.00	0.00	0.00	
15	0.00	0.00	24.30	95.45	200.81	303.84	273.50	135.00	4.00	0.00	0.00	0.00	
16	0.00	0.00	23.88	99.50	207.70	305.22	275.16	89.60	3.45	0.00	0.00	0.00	
17	0.00	0.00	18.77	92.75	212.11	305.74	277.24	68.63	3.56	0.00	0.00	0.00	
18	0.00	0.00	21.78	86.90	214.63	306.06	280.14	61.04	0.00	0.00	0.00	0.00	
19	0.00	67.25	32.30	99.05	217.78	306.10	283.75	73.62	0.00	0.00	0.00	0.00	
20	0.00	111.99	22.83	114.36	220.93	306.16	287.65	90.95	0.00	0.00	0.00	0.00	
21	0.00	102.20	18.39	129.86	223.45	306.16	291.05	89.60	0.00	0.00	0.00	0.00	
22	0.00	159.84	17.06	143.80	226.60	306.16	294.28	86.45	0.00	0.00	0.00	0.00	
23	0.00	177.80	14.60	152.05	231.08	306.10	297.20	77.27	0.14	0.00	0.00	0.00	
24	0.00	179.57	11.46	166.00	238.76	306.10	299.76	62.08	0.30	0.00	0.00	0.00	
25	0.00	179.57	10.02	178.98	237.48	306.24	301.94	52.10	0.55	0.00	0.00	0.00	
26	0.00	176.03	8.20	183.11	240.72	306.12	303.47	29.80	0.90	0.00	0.00	0.00	
27	0.00	170.72	6.85	182.52	249.96	306.04	304.25	35.36	1.20	0.00	0.00	0.00	
28	0.00	164.88	11.14	181.34	255.90	305.95	305.14	41.43	1.46	0.00	0.00	0.00	
29	0.00	157.04	11.94	177.21	260.52	305.74	305.90	66.22	1.82	0.00	0.00	0.00	
30	0.00	135.00	10.98	168.36	251.94	305.93	306.14	70.36	2.12	0.00	0.00	0.00	
31		95.00		152.60	255.90		306.10		2.48	0.00		0.00	
Total	0.00	1876.89	771.48	2731.94	5921.50	8756.77	9055.18	4491.05	359.17	27.68	0.00	0.00	33991.66 CMSDAY
Mean	0.00	60.54	25.72	88.13	191.02	291.89	292.10	149.70	11.59	0.89	0.00	0.00	93.13 CMS
Max	0.00	179.57	56.58	183.11	260.52	306.24	306.14	305.40	46.84	4.04	0.00	0.00	306.24 CMS
Min	0.00	0.00	6.85	8.05	98.15	267.20	273.50	29.80	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	162.16	66.66	236.04	511.62	756.58	782.37	388.03	31.03	2.39	0.00	0.00	2936.88 MCM
Momentary Peak	306.30 CMS. at 40.30 m. (MSL.) at 22.00 Hours , on Sep 25, 2022												
Runoff Yield	4.77	Liters/Second/Square KM.			Momentary Peak Yield		15.68	Liters/Second/Square KM.					

WATER YEAR : 2022**YOM RIVER BASIN****Yom River at Ban Sam Ngam , Phichit (Y.17)**

Lat 16 - 30 - 27 N Long 100 - 12 - 15 E

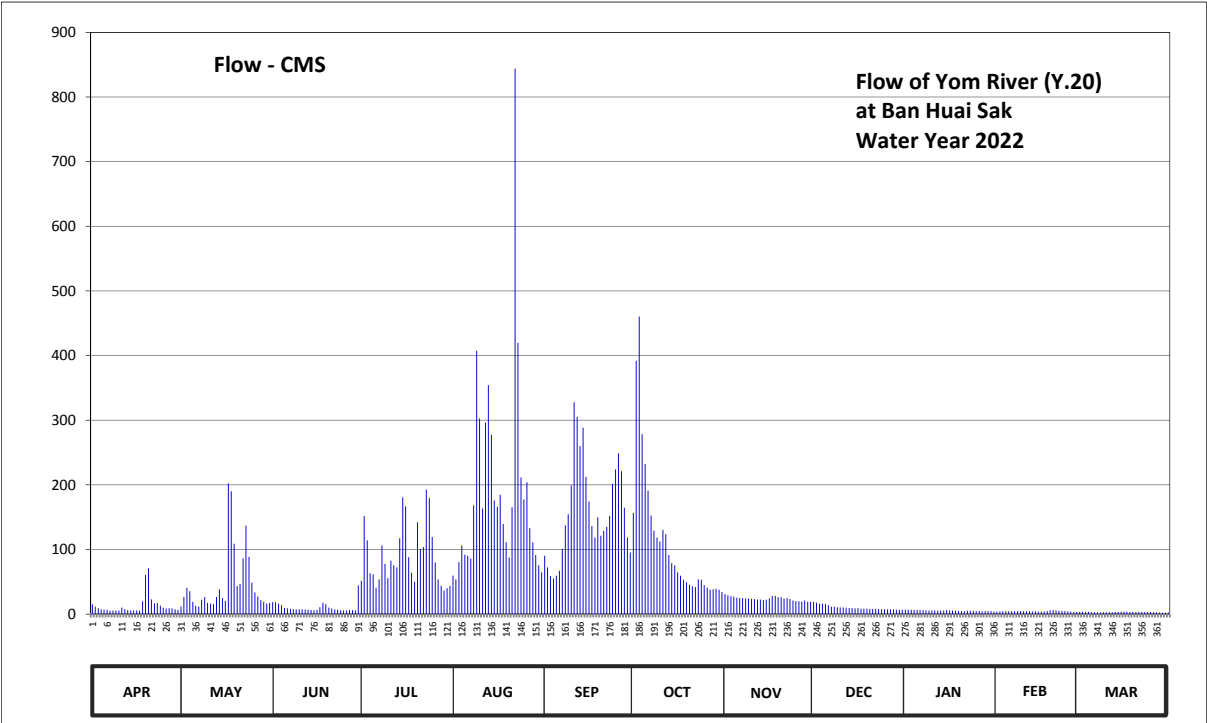
Location : on left bank at the bridge on highway from in front of Amphoe Sam Ngam office.

	Ban	Sam Ngam	Amphoe	Sam Ngam	Changwat	Phichit
Drainage Area	21,717	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+31.490	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 50 meters from Amphoe Sam Ngam Office.				Elevation	+41.843 m. (MSL.)
Gage Reading Frequency	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 , 1990 to date					
Rated by Float	-					
Rated by Current Meter	1967 , 1990 to date					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 20 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	31.80	31.14	33.90	32.98	34.84	36.33	37.15	36.84	35.02	33.96	34.50	34.50	
2	31.82	31.13	33.78	32.95	34.64	36.28	37.18	36.76	34.98	34.02	34.51	34.50	
3	31.83	31.11	34.36	32.97	34.47	36.23	37.29	36.66	34.88	34.03	34.51	34.49	
4	31.83	31.08	34.50	32.98	34.36	36.20	37.50	36.56	34.83	34.04	34.53	34.49	
5	31.83	31.06	34.50	33.00	34.27	36.17	37.65	36.48	34.75	34.05	34.53	34.49	
6	31.84	31.03	34.14	33.04	34.29	36.16	37.68	36.40	33.91	34.07	34.52	34.47	
7	31.84	31.01	33.77	33.07	34.35	36.16	37.69	36.31	33.55	34.09	34.50	34.50	
8	31.84	30.99	33.55	33.09	34.50	36.19	37.72	36.23	33.43	34.12	34.50	34.62	
9	31.85	30.97	33.38	33.31	34.77	36.23	37.74	36.18	33.30	34.14	34.50	34.71	
10	31.85	30.95	33.36	33.36	35.03	36.27	37.75	36.07	33.01	34.16	34.50	34.72	
11	31.85	30.93	33.29	33.49	35.31	36.33	37.76	35.97	32.80	34.18	34.51	34.69	
12	31.81	30.91	33.25	33.65	35.44	36.40	37.76	35.91	32.71	34.20	34.53	34.66	
13	31.75	31.08	33.43	33.69	35.47	36.51	37.74	35.73	32.66	34.20	34.53	34.65	
14	31.71	33.40	33.43	33.82	35.50	36.64	37.73	35.62	32.64	34.22	34.53	34.63	
15	31.66	33.60	33.36	34.29	35.55	36.74	37.72	35.55	32.63	34.26	34.53	34.51	
16	31.60	33.48	33.41	34.39	35.63	36.78	37.71	34.94	32.61	34.31	34.55	34.40	
17	31.54	33.46	33.29	34.33	35.68	36.79	37.69	34.34	32.74	34.35	34.57	34.35	
18	31.49	34.60	33.32	34.23	35.71	36.79	37.66	34.05	32.89	34.38	34.49	34.30	
19	31.44	34.46	33.52	34.27	35.74	36.78	37.63	34.18	33.03	34.40	34.37	34.25	
20	31.40	34.26	33.47	34.45	35.77	36.80	37.58	34.48	33.14	34.43	34.29	34.22	
21	31.35	34.74	33.33	34.64	35.78	36.80	37.53	34.57	33.21	34.46	34.31	34.22	
22	31.31	34.94	33.27	34.85	35.80	36.79	37.49	34.50	33.31	34.50	34.37	34.24	
23	31.26	35.17	33.22	34.97	35.90	36.77	37.44	34.36	33.40	34.53	34.43	34.26	
24	31.23	35.27	33.11	35.11	36.15	36.77	37.38	34.06	33.48	34.56	34.48	34.27	
25	31.20	35.30	33.05	35.26	36.07	36.80	37.32	33.91	33.57	34.54	34.50	34.28	
26	31.16	35.29	33.00	35.32	36.03	36.91	37.27	33.55	33.63	34.53	34.50	34.26	
27	31.13	35.20	32.95	35.32	36.11	36.98	37.23	33.43	33.70	34.51	34.50	34.24	
28	31.09	35.08	32.97	35.30	36.20	37.03	37.16	33.85	33.75	34.51	34.50	34.21	
29	31.19	34.99	33.03	35.26	36.38	37.08	37.09	35.06	33.81	34.51		34.17	
30	31.17	34.83	32.94	35.19	36.32	37.14	37.02	35.10	33.86	34.51		34.15	
31		34.41		35.03	36.33		36.93		33.91	34.50		34.13	
Mean	31.56	33.09	33.46	34.12	35.43	36.59	37.49	35.25	33.52	34.30	34.49	34.41	
Max	31.85	35.30	34.50	35.32	36.38	37.14	37.76	36.84	35.02	34.56	34.57	34.72	37.76
Min	31.09	30.91	32.94	32.95	34.27	36.16	36.93	33.43	32.61	33.96	34.29	34.13	30.91
Annual Max Momentary Gage Height	37.77		m. (MSL.) ,				at 21.00 Hours , on Oct 10, 2022						
Zero Gage at Bottom Elevation	31.49		m. (MSL.) ,			River Bed	29.90	m. (MSL.)					
Left Bank Elevation		38.12		m. (MSL.) ,									
Right Bank Elevation		38.38		m. (MSL.) ,		Drainage Are	21,717	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	85.00	22.52	152.90	278.15	382.95	337.33	166.40	3.50	0.00	0.00	
2	0.00	0.00	76.60	20.60	137.96	273.00	388.08	326.57	163.40	4.60	0.00	0.00	
3	0.00	0.00	117.59	21.88	125.46	268.00	406.89	314.00	155.90	4.90	0.00	0.00	
4	0.00	0.00	127.60	22.52	117.59	265.00	447.00	302.75	152.15	5.20	0.00	0.00	
5	0.00	0.00	127.60	23.80	111.16	262.00	477.53	293.90	146.15	5.50	0.00	0.00	
6	0.00	0.00	101.86	26.36	112.59	261.00	483.63	285.50	85.70	6.10	0.00	0.00	
7	0.00	0.00	75.90	28.28	116.88	261.00	485.67	276.05	60.50	6.70	0.00	0.00	
8	0.00	0.00	60.50	29.56	127.60	264.00	492.12	268.00	52.31	7.60	0.00	0.00	
9	0.00	0.00	48.96	44.27	147.65	268.00	496.54	263.00	43.60	8.20	0.00	0.00	
10	0.00	0.00	47.62	47.62	167.15	272.00	498.75	252.38	24.44	8.80	0.00	0.00	
11	0.00	0.00	42.93	56.33	188.57	278.15	500.96	243.63	13.30	9.40	0.00	0.00	
12	0.00	0.00	40.25	67.50	198.58	285.50	500.96	238.38	9.61	10.00	0.00	0.00	
13	0.00	0.00	52.31	70.30	200.89	297.13	496.54	222.63	8.12	10.00	0.00	0.00	
14	0.00	0.00	52.31	79.40	203.20	311.75	494.33	213.28	7.58	0.00	0.00	0.00	
15	0.00	0.38	47.62	112.59	207.40	323.88	492.12	207.40	7.31	0.00	0.00	0.00	
16	0.00	0.00	50.97	119.74	214.12	329.26	489.91	160.40	6.77	0.00	0.00	0.00	
17	0.00	0.00	42.93	115.45	218.32	330.61	485.67	116.16	0.00	0.00	0.00	0.00	
18	0.00	29.00	44.94	108.30	220.88	330.61	479.56	95.50	0.00	0.00	0.00	0.00	
19	0.00	124.74	58.40	111.16	223.50	329.26	473.46	104.72	0.00	0.00	0.00	0.00	
20	0.00	110.44	54.99	124.03	226.13	331.95	463.28	126.17	0.00	0.00	0.00	0.00	
21	0.00	145.40	45.61	137.96	227.00	331.95	453.11	132.78	0.00	0.00	0.00	0.00	
22	0.00	160.40	41.59	153.65	228.75	330.61	445.08	127.60	0.00	0.00	0.00	0.00	
23	0.00	177.79	38.24	162.65	237.50	327.92	435.48	117.59	0.00	0.00	0.00	0.00	
24	0.00	185.49	30.87	173.17	260.00	327.92	423.96	96.20	0.00	0.00	0.00	0.00	
25	0.00	187.80	27.00	184.72	252.38	331.95	412.44	85.70	0.26	0.00	0.00	0.00	
26	0.00	187.03	23.80	189.34	248.88	346.85	403.47	60.50	0.49	0.00	0.00	0.00	
27	0.00	180.10	20.60	189.34	256.00	357.00	396.63	52.31	0.75	0.00	0.00	0.00	
28	0.00	170.90	21.88	187.80	265.00	364.25	384.66	81.50	1.13	0.00	0.00	0.00	
29	0.00	164.15	25.72	184.72	283.40	371.50	372.95	169.40	1.63	0.00	0.00	0.00	
30	0.00	152.15	19.96	179.33	277.10	381.24	362.80	172.40	2.25				



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	15.38	11.90	18.67	51.40	59.76	90.35	156.35	30.92	19.00	6.92	4.04	3.34		
2	11.60	26.50	18.34	151.80	53.60	72.20	392.00	29.30	17.68	6.92	4.21	3.58		
3	9.06	40.50	16.36	114.10	80.45	58.88	460.50	27.70	16.03	6.73	4.38	3.46		
4	7.52	35.46	13.78	63.14	106.30	54.92	278.60	26.90	16.36	6.54	4.55	3.34		
5	6.92	19.00	9.50	61.67	92.00	59.32	232.35	25.38	15.70	6.54	4.55	2.86		
6	6.73	12.82	8.84	40.92	90.35	67.06	191.00	24.66	13.78	6.54	4.55	2.74		
7	5.06	11.60	8.18	53.60	85.95	101.10	152.45	24.66	11.30	6.16	4.38	2.74		
8	5.40	22.15	7.74	106.30	168.20	137.50	129.05	24.30	11.60	5.78	4.38	2.74		
9	5.40	26.10	7.52	77.70	407.40	154.40	118.65	23.94	10.70	5.40	4.55	2.86		
10	5.40	17.35	7.30	55.80	302.80	199.00	112.15	23.58	10.40	5.40	4.55	2.98		
11	10.10	16.36	7.30	82.65	163.30	327.80	130.35	23.22	10.10	5.78	4.38	2.86		
12	7.74	15.70	7.11	75.50	296.20	305.00	123.85	22.50	9.80	5.40	4.55	2.98		
13	6.16	26.50	6.73	72.20	354.20	259.90	91.45	22.50	9.50	5.59	4.21	3.22		
14	5.78	38.40	6.35	117.35	277.50	288.50	78.80	21.80	9.50	5.78	4.21	3.34		
15	5.59	24.66	5.97	180.60	175.80	212.35	75.50	22.15	8.84	6.16	4.04	3.58		
16	5.59	20.40	6.54	166.80	166.10	174.20	64.61	24.30	9.28	5.59	4.04	3.70		
17	5.06	202.20	10.70	88.15	184.60	136.20	59.32	28.10	8.40	5.40	4.04	3.58		
18	19.70	190.20	17.68	64.12	139.45	118.65	53.16	28.10	8.40	5.06	4.72	3.46		
19	60.69	108.90	15.38	50.08	111.50	149.85	49.20	26.10	8.40	4.89	5.97	3.46		
20	71.10	43.48	10.10	142.05	87.60	121.25	45.24	26.10	7.96	4.72	6.16	3.22		
21	22.86	46.56	8.62	101.10	165.40	129.05	43.04	23.94	7.96	4.55	5.78	3.22		
22	16.69	86.50	7.52	103.70	844.00	134.90	41.76	24.66	7.96	5.06	5.23	3.22		
23	17.35	136.85	6.73	192.60	419.55	151.80	53.60	23.22	7.74	5.06	4.89	3.10		
24	13.14	88.70	5.97	179.80	211.50	201.40	53.16	21.10	7.74	4.89	4.72	3.10		
25	9.80	48.76	5.78	119.30	177.40	223.80	44.80	20.05	7.52	4.72	4.38	3.22		
26	8.62	33.38	5.78	79.90	203.85	248.90	40.92	19.70	7.52	4.72	3.87	2.86		
27	9.06	27.30	6.35	53.60	132.95	220.95	37.56	19.35	7.52	4.55	3.46	2.62		
28	8.84	21.80	6.16	43.92	110.85	164.70	38.40	21.10	7.30	4.72	3.34	2.39		
29	7.30	19.00	5.97	36.30	91.45	118.65	39.24	19.00	6.92	4.72		2.28		
30	6.54	16.36	44.36	40.08	75.50	95.25	37.56	19.00	6.73	4.55		2.39		
31		17.02		43.48	64.61		34.20		6.92	4.04		2.39		
Total	396.18	1452.41	313.33	2809.71	5900.12	4777.83	3458.82	717.33	314.56	168.88	126.13	94.83	20530.13	CMSDAY
Mean	13.21	46.85	10.44	90.64	190.33	159.26	111.57	23.91	10.15	5.45	4.50	3.06	56.25	CMS
Max	71.10	202.20	44.36	192.60	844.00	327.80	460.50	30.92	19.00	6.92	6.16	3.70	844.00	CMS
Min	5.06	11.60	5.78	36.30	53.60	54.92	34.20	19.00	6.73	4.04	3.34	2.28	2.28	CMS
Runoff	34.23	125.49	27.07	242.76	509.77	412.80	298.84	61.98	27.18	14.59	10.90	8.19	1773.80	MCM
Momentary Peak	1028.80 CMS. at 190.68 m. (MSL.) at 10.00 Hours , on Aug 22, 2022													
Runoff Yield	10.43	Liters/Second/Square KM.			Momentary Peak Yield			190.80	Liters/Second/Square KM.					

WATER YEAR : 2022**YOM RIVER BASIN****Nam Pi at Ban Mang , Phayao (Y.24)**

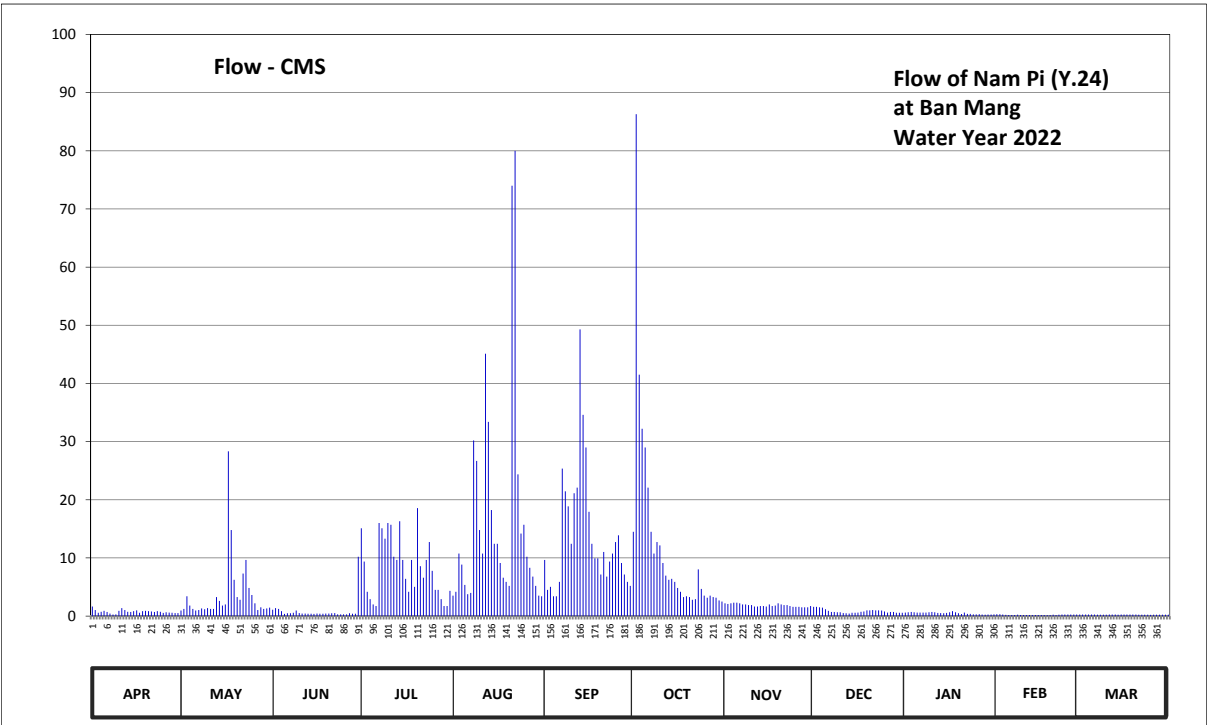
Lat 18 - 52 - 55 N Long 100 - 16 - 58 E

Location : on right bank upstream of the bridge from Pong Sanuk - Chiang Muan road.

	Ban Mang	Amphoe Chiang Muan	Changwat Phayao
Drainge Area	621 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+257.765 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank at the abutment of the bridge.	Elevation	+264.800 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1977 to date		
Rating Operation			
Period of Rating	1979 - 1986 , 1996 to date		
Rated by Float	-		
Rated by Current Meter	1979 - 1986 , 1996 to date		
Stability of Channel Regimes	Fairly stable because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. The channel flow silted about 100 meters downstream from the gage site. Stage-discharge relation defined by 37 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	259.08	258.97	259.00	259.77	259.26	259.58	259.75	259.14	259.07	258.90	258.81	259.13	
2	258.99	259.02	259.04	259.57	259.31	259.33	261.29	259.13	259.07	258.91	258.81	259.12	
3	258.89	259.25	259.02	259.31	259.62	259.36	260.50	259.14	259.06	258.92	258.78	259.11	
4	258.93	259.10	258.95	259.21	259.55	259.25	260.28	259.15	259.05	258.91	258.76	259.11	
5	258.96	259.02	258.83	259.12	259.38	259.25	260.20	259.15	259.01	258.90	258.75	259.11	
6	258.92	258.97	258.86	259.09	259.28	259.41	259.99	259.14	258.96	258.90	258.74	259.11	
7	258.85	258.99	258.86	259.80	259.30	260.09	259.75	259.12	258.92	258.90	258.75	259.10	
8	258.79	259.03	258.89	259.77	260.23	259.97	259.62	259.12	258.92	258.90	258.77	259.09	
9	258.80	259.01	258.97	259.71	260.13	259.89	259.69	259.11	258.91	258.91	258.75	259.09	
10	258.96	259.04	258.87	259.80	259.76	259.68	259.67	259.11	258.91	258.92	258.75	259.09	
11	259.04	259.02	258.85	259.79	259.62	259.96	259.56	259.08	258.87	258.91	258.74	259.12	
12	258.99	259.02	258.85	259.60	260.58	259.99	259.47	259.08	258.86	258.88	258.74	259.13	
13	258.93	259.24	258.84	259.58	260.31	260.66	259.43	259.09	258.85	258.87	258.74	259.13	
14	258.92	259.18	258.84	259.81	259.87	260.34	259.44	259.09	258.89	258.86	258.74	259.10	
15	258.95	259.10	258.83	259.58	259.68	260.20	259.41	259.08	258.89	258.88	258.74	259.11	
16	258.98	259.12	258.85	259.44	259.68	259.86	259.35	259.12	258.90	258.91	258.74	259.11	
17	258.89	260.18	258.84	259.31	259.56	259.68	259.31	259.09	258.93	258.95	258.75	259.11	
18	258.95	259.76	258.84	259.58	259.45	259.59	259.24	259.10	258.94	258.91	258.73	259.12	
19	258.96	259.43	258.85	259.36	259.41	259.59	259.25	259.14	258.98	258.86	258.74	259.12	
20	258.95	259.24	258.85	259.88	259.37	259.48	259.24	259.12	258.98	258.82	258.77	259.12	
21	258.94	259.20	258.86	259.54	261.10	259.63	259.20	259.11	258.99	258.90	258.97	259.10	
22	258.92	259.49	258.87	259.45	261.20	259.46	259.21	259.11	258.98	258.83	259.10	259.07	
23	258.95	259.58	258.80	259.58	260.06	259.57	259.52	259.09	258.98	258.83	259.15	259.07	
24	258.93	259.35	258.80	259.69	259.74	259.62	259.34	259.07	258.97	258.80	259.15	259.07	
25	258.88	259.27	258.80	259.51	259.79	259.69	259.26	259.07	258.94	258.80	259.14	259.06	
26	258.91	259.14	258.80	259.33	259.60	259.73	259.23	259.07	258.90	258.81	259.13	259.07	
27	258.90	258.99	258.86	259.33	259.53	259.56	259.26	259.06	258.92	258.78	259.13	259.07	
28	258.89	259.06	258.84	259.21	259.46	259.48	259.24	259.06	258.92	258.77	259.14	259.07	
29	258.87	259.02	258.84	259.09	259.37	259.41	259.23	259.06	258.89	258.78		259.08	
30	258.87	259.03	259.60	259.09	259.26	259.37	259.19	259.09	258.89	258.78		259.08	
31		259.05		259.32	259.25		259.17		258.89	258.80		259.08	
Mean	258.93	259.19	258.89	259.49	259.73	259.69	259.56	259.10	258.94	258.86	258.86	259.10	
Max	259.08	260.18	259.60	259.88	261.20	260.66	261.29	259.15	259.07	258.95	259.15	259.13	261.29
Min	258.79	258.97	258.80	259.09	259.25	259.25	259.17	259.06	258.85	258.77	258.73	259.06	258.73
Annual Max Momentary Gage Height	263.05		m. (MSL.) ,				at 13.00 Hours , on Aug 21, 2022						
Zero Gage at Bottom Elevation		257.76		m. (MSL.) ,		River Bed	257.18		m. (MSL.)				
Left Bank Elevation		266.23		m. (MSL.) ,									
Right Bank Elevation		266.69		m. (MSL.) ,		Drainage Are	621		Square Kilometers				



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.66	0.95	1.10	15.10	3.52	9.66	14.50	2.20	1.59	0.60	0.33	0.27	
2	1.05	1.24	1.38	9.39	4.17	4.51	86.30	2.10	1.59	0.65	0.33	0.26	
3	0.57	3.40	1.24	4.17	10.76	5.02	41.50	2.20	1.52	0.70	0.26	0.26	
4	0.75	1.80	0.85	2.92	8.85	3.40	32.20	2.30	1.45	0.65	0.22	0.26	
5	0.90	1.24	0.39	2.00	5.36	3.40	29.00	2.30	1.17	0.60	0.20	0.26	
6	0.70	0.95	0.48	1.73	3.76	5.88	22.08	2.20	0.90	0.60	0.18	0.26	
7	0.45	1.05	0.48	16.00	4.00	25.37	14.50	2.00	0.70	0.60	0.20	0.25	
8	0.28	1.31	0.57	15.10	30.20	21.44	10.76	2.00	0.70	0.60	0.24	0.25	
9	0.30	1.17	0.95	13.30	26.69	18.88	12.72	1.90	0.65	0.65	0.20	0.25	
10	0.90	1.38	0.51	16.00	14.80	12.44	12.16	1.90	0.65	0.70	0.20	0.25	
11	1.38	1.24	0.45	15.70	10.76	21.12	9.12	1.66	0.51	0.65	0.18	0.26	
12	1.05	1.24	0.45	10.20	45.10	22.08	6.96	1.66	0.48	0.54	0.18	0.27	
13	0.75	3.28	0.42	9.66	33.40	49.30	6.24	1.73	0.45	0.51	0.18	0.27	
14	0.70	2.60	0.42	16.32	18.24	34.60	6.42	1.73	0.57	0.48	0.18	0.25	
15	0.85	1.80	0.39	9.66	12.44	29.00	5.88	1.66	0.57	0.54	0.18	0.26	
16	1.00	2.00	0.45	6.42	12.44	17.92	4.85	2.00	0.60	0.65	0.18	0.26	
17	0.57	28.34	0.42	4.17	9.12	12.44	4.17	1.73	0.75	0.85	0.20	0.26	
18	0.85	14.80	0.42	9.66	6.60	9.93	3.28	1.80	0.80	0.65	0.16	0.26	
19	0.90	6.24	0.45	5.02	5.88	9.93	3.40	2.20	1.00	0.48	0.18	0.26	
20	0.85	3.28	0.45	18.56	5.19	7.14	3.28	2.00	1.00	0.36	0.24	0.26	
21	0.80	2.80	0.48	8.58	74.00	11.04	2.80	1.90	1.05	0.60	0.19	0.25	
22	0.70	7.32	0.51	6.60	80.00	6.78	2.92	1.90	1.00	0.39	0.25	0.24	
23	0.85	9.66	0.30	9.66	24.38	9.39	8.04	1.73	1.00	0.39	0.28	0.24	
24	0.75	4.85	0.30	12.72	14.20	10.76	4.68	1.59	0.95	0.30	0.28	0.24	
25	0.54	3.64	0.30	7.77	15.70	12.72	3.52	1.59	0.80	0.30	0.27	0.23	
26	0.65	2.20	0.30	4.51	10.20	13.90	3.16	1.59	0.60	0.33	0.27	0.24	
27	0.60	1.05	0.48	4.51	8.31	9.12	3.52	1.52	0.70	0.26	0.27	0.24	
28	0.57	1.52	0.42	2.92	6.78	7.14	3.28	1.52	0.70	0.24	0.27	0.24	
29	0.51	1.24	0.42	1.73	5.19	5.88	3.16	1.52	0.57	0.26		0.24	
30	0.51	1.31	10.20	1.73	3.52	5.19	2.70	1.73	0.57	0.26		0.24	
31		1.45		4.34	3.40		2.50		0.57	0.30		0.24	
Total	22.94	116.35	25.98	266.15	516.96	415.38	369.60	55.86	26.16	15.69	6.30	7.82	1845.19 CMSDAY
Mean	0.76	3.75	0.87	8.59	16.68	13.85	11.92	1.86	0.84	0.51	0.23	0.25	5.06 CMS
Max	1.66	28.34	10.20	18.56	80.00	49.30	86.30	2.30	1.59	0.85	0.33	0.27	86.30 CMS
Min	0.28	0.95	0.30	1.73	3.40	3.40	2.50	1.52	0.45	0.24	0.16	0.23	0.16 CMS
Runoff	1.98	10.05	2.24	23.00	44.67	35.89	31.93	4.83	2.26	1.36	0.54	0.68	159.42 MCM
Momentary Peak	258.75	CMS.	at 263.05 m. (MSL.)	at 13.00 Hours	on Aug 21, 2022								
Runoff Yield	8.14	Liters/Second/Square KM.		Momentary Peak Yield	416.67	Liters/Second/Square KM.							

WATER YEAR : 2022												
YOM RIVER BASIN												
Huai Mae Mok at Ban Mae Phu , Lampang (Y.26)												
Lat 17 - 19 - 55 N Long 99 - 27 - 43 E												
Location : on left bank downstream from Ban Mae Phu Tambon Wiang Mok.												
	Ban Mae Phu			Amphoe Thoen			Changwat Lampang					
Drainge Area	786 sq.km.											
Type of Gage	Water - stage recorder											
Zero Gage at Bottom	+100.380 m. (MSL.)											
Bench Mark	B.M.-H.D.											
Location BM	In front of gage observer's house.						Elevation +107.081 m. (MSL.)					
Gage Reading Frequency	Recording											
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings											
Period of Available Gage Records	1979 to date											
Rating Operation												
Period of Rating	1979 to date											
Rated by Float	-											
Rated by Current Meter	1979 to date											
Stability of Channel Regimes	Stable.											
Overbank Flow Conditions	No overbank flow.											
General Description	Records very good. Stage-discharge relation defined by 16 discharge measurements made in 2022.											

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	101.13	101.13	101.06	101.04	101.19	101.18	104.55	101.17	101.48	101.03	101.52	101.39	
2	101.13	101.13	101.06	101.06	101.19	101.18	106.07	101.16	101.82	101.04	101.60	101.45	
3	101.10	101.13	101.12	101.06	101.17	101.17	104.66	101.10	101.82	101.04	101.57	101.40	
4	101.09	101.13	101.12	101.09	101.19	101.22	104.11	101.09	101.82	101.04	101.52	101.37	
5	101.09	101.12	101.09	101.11	101.16	101.25	103.33	101.08	101.81	101.03	101.51	101.34	
6	101.08	101.12	101.08	101.12	101.15	101.22	102.79	101.08	101.81	101.32	101.49	101.32	
7	101.10	101.12	101.07	101.14	101.18	101.22	102.42	101.08	101.82	101.71	101.47	101.35	
8	101.12	101.13	101.06	101.18	101.34	101.20	102.43	101.07	101.81	101.81	101.45	101.38	
9	101.18	101.12	101.05	101.18	101.32	101.21	102.30	101.06	101.81	101.81	101.43	101.38	
10	101.22	101.12	101.05	101.29	101.30	101.45	102.10	101.01	101.81	101.80	101.42	101.40	
11	101.20	101.11	101.05	101.41	101.20	101.38	101.98	100.99	101.81	101.90	101.41	101.40	
12	101.20	101.11	101.05	101.39	101.22	101.26	101.88	100.98	101.80	101.98	101.39	101.40	
13	101.19	101.11	101.05	101.41	101.19	101.22	101.75	100.98	101.79	101.92	101.38	101.42	
14	101.19	101.11	101.07	101.52	101.17	101.26	101.76	100.98	101.80	101.75	101.22	101.41	
15	101.18	101.11	101.11	101.46	101.19	101.17	101.87	100.98	101.48	101.82	101.02	101.43	
16	101.18	101.11	101.12	101.38	101.28	101.15	101.79	100.98	101.12	101.94	101.03	101.42	
17	101.17	101.11	101.14	101.38	101.41	101.15	101.68	101.02	101.11	101.93	101.04	101.43	
18	101.17	101.11	101.14	101.38	101.24	101.39	101.58	101.03	101.11	101.91	101.05	101.42	
19	101.17	101.13	101.14	101.37	101.19	101.32	101.50	101.03	101.09	101.90	101.06	101.42	
20	101.16	101.19	101.14	101.38	101.17	101.22	101.44	101.04	101.01	101.52	101.07	101.47	
21	101.16	101.21	101.11	101.39	101.17	101.19	101.39	101.04	101.02	101.27	101.07	101.05	
22	101.15	101.19	101.08	101.51	101.30	101.26	101.34	101.04	101.03	101.27	101.06	101.05	
23	101.15	101.14	101.07	101.46	101.25	101.31	101.32	101.04	101.03	101.26	101.07	101.04	
24	101.14	101.13	101.10	101.56	101.19	101.55	101.29	101.05	101.02	101.27	101.07	101.03	
25	101.15	101.10	101.09	101.28	101.38	102.54	101.27	101.12	101.02	101.26	101.07	101.03	
26	101.15	101.07	101.06	101.13	101.24	104.86	101.24	101.21	101.02	101.30	101.18	101.03	
27	101.15	101.07	101.05	101.12	101.20	104.46	101.23	101.20	101.01	101.46	101.29	101.03	
28	101.15	101.07	101.05	101.12	101.18	103.39	101.22	101.17	100.99	101.46	101.33	101.06	
29	101.15	101.06	101.05	101.13	101.17	102.66	101.21	101.15	100.98	101.46		101.09	
30	101.14	101.06	101.05	101.15	101.18	102.51	101.19	101.13	100.97	101.45		101.19	
31		101.06		101.16	101.17		101.17		100.97	101.44		101.63	
Mean	101.15	101.12	101.08	101.27	101.22	101.69	102.12	101.07	101.39	101.52	101.28	101.30	
Max	101.22	101.21	101.14	101.56	101.41	104.86	106.07	101.21	101.82	101.98	101.60	101.63	106.07
Min	101.08	101.06	101.05	101.04	101.15	101.15	101.17	100.98	100.97	101.03	101.02	101.03	100.97
Annual Max Momentary Gage Height	106.48		m. (MSL.) ,		at 05.00 Hours , on Oct 2, 2022								
Zero Gage at Bottom Elevation	100.38		m. (MSL.) ,		River Bed		100.35	m. (MSL.)					
Left Bank Elevation	107.08		m. (MSL.) ,										
Right Bank Elevation	107.12		m. (MSL.) ,		Drainage Are		786	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.00	0.00	3.38	3.25	128.95	3.13	8.26	1.38	9.04	6.54		
2	0.00	0.00	0.00	0.00	3.38	3.25	208.05	3.00	16.04	1.50	10.60	7.68		
3	0.00	0.00	0.00	0.00	3.13	3.13	134.34	2.25	16.04	1.50	10.02	6.70		
4	0.00	0.00	0.00	0.00	3.38	3.82	107.77	2.13	16.04	1.50	9.04	6.22		
5	0.00	0.00	0.00	0.00	3.00	4.30	72.59	2.00	15.72	1.38	8.85	5.74		
6	0.00	0.00	0.00	0.00	2.88	3.82	50.03	2.00	15.72	5.42	8.46	5.42		
7	0.00	0.00	0.00	0.00	3.25	3.82	36.33	2.00	16.04	13.24	8.07	5.90		
8	0.00	0.00	0.00	3.25	5.74	3.50	36.70	1.88	15.72	15.72	7.68	6.38		
9	0.00	0.00	0.00	3.25	5.42	3.66	32.05	1.75	15.72	15.72	7.29	6.38		
10	0.00	0.00	0.00	4.94	5.10	7.68	25.15	1.13	15.72	15.40	7.09	6.70		
11	0.00	0.00	0.00	6.90	3.50	6.38	21.16	0.90	15.72	18.60	6.90	6.70		
12	0.00	0.00	0.00	6.54	3.82	4.46	17.96	0.80	15.40	21.16	6.54	6.70		
13	0.00	0.00	0.00	6.90	3.38	3.82	14.20	0.80	15.16	19.24	6.38	7.09		
14	0.00	0.00	0.00	9.04	3.13	4.46	14.44	0.80	15.40	14.20	3.82	6.90		
15	0.00	0.00	0.00	7.87	3.38	3.13	17.64	0.80	8.26	16.04	1.25	7.29		
16	0.00	0.00	0.00	6.38	4.78	2.88	15.16	0.80	2.50	19.88	1.38	7.09		
17	0.00	0.00	0.00	6.38	6.90	2.88	12.52	1.25	2.38	19.56	1.50	7.29		
18	0.00	0.00	0.00	6.38	4.14	6.54	10.21	1.38	2.38	18.92	1.63	7.09		
19	0.00	0.00	0.00	6.22	3.38	5.42	8.65	1.38	2.13	18.60	1.75	7.09		
20	0.00	0.00	0.00	6.38	3.13	3.82	7.48	1.50	1.13	9.04	1.88	8.07		
21	0.00	0.00	0.00	6.54	3.13	3.38	6.54	1.50	1.25	4.62	1.88	1.63		
22	0.00	0.00	0.00	8.85	5.10	4.46	5.74	1.50	1.38	4.62	1.75	1.63		
23	0.00	0.00	0.00	7.87	4.30	5.26	5.42	1.50	1.38	4.46	1.88	1.50		
24	0.00	0.00	0.00	9.82	3.38	9.63	4.94	1.63	1.25	4.62	1.88	1.38		
25	0.00	0.00	0.00	4.78	6.38	40.71	4.62	2.50	1.25	4.46	1.88	1.38		
26	0.00	0.00	0.00	2.63	4.14	144.14	4.14	3.66	1.25	5.10	3.25	1.38		
27	0.00	0.00	0.00	2.50	3.50	124.54	3.98	3.50	1.13	7.87	4.94	1.38		
28	0.00	0.00	0.00	2.50	3.25	75.17	3.82	3.13	0.90	7.87	5.58	1.75		
29	0.00	0.00	0.00	2.63	3.13	45.15	3.66	2.88	0.80	7.87		2.13		
30	0.00	0.00	0.00	2.88	3.25	39.62	3.38	2.63	0.70	7.68		3.38		
31		0.00		3.00	3.13		3.13		0.70	7.48		11.32		
Total	0.00	0.00	0.00	134.43	120.89	576.08	1020.75	56.11	243.47	314.65	142.21	163.83	2772.42	CMSDAY
Mean	0.00	0.00												

WATER YEAR : 2022**Yom RIVER BASIN****Huai Mae Hu at Ban Mae Hu , Sukhothai (Y.29)**

Lat 17 - 42 - 16 N Long 99 - 44 - 16 E

Location : on left bank at Ban Mae Hu.

	Ban	Mae Hu	Amphoe	Si Satchanalai	Changwat	Sukhothai
Drainge Area	57	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+93.445	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+98.126 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic means of 3 readings					
Period of Available Gage Records	1983 to date					
Rating Operation						
Period of Rating	1983 to date					
Rated by Flot	-					
Rated by Current Meter	1983 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 2 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	93.45	93.55	93.55	93.55	93.55	93.75	93.85	93.55	93.55	93.52	93.45	93.42	
2	93.45	93.55	93.55	93.55	93.55	93.75	93.85	93.55	93.55	93.52	93.45	93.42	
3	93.45	93.55	93.55	93.55	93.55	93.75	93.85	93.55	93.55	93.52	93.45	93.41	
4	93.45	93.55	93.55	93.55	93.55	93.75	93.85	93.55	93.55	93.52	93.45	93.41	
5	93.45	93.55	93.55	93.55	93.55	93.76	93.85	93.55	93.55	93.52	93.44	93.40	
6	93.45	93.55	93.55	93.55	93.55	93.75	93.85	93.55	93.55	93.51	93.44	93.40	
7	93.45	93.55	93.55	93.55	93.55	93.86	93.85	93.55	93.55	93.51	93.44	93.39	
8	93.45	93.55	93.55	93.55	93.55	94.05	93.85	93.55	93.54	93.51	93.44	93.39	
9	93.45	93.55	93.55	93.55	93.55	94.10	93.85	93.55	93.54	93.51	93.44	93.38	
10	93.45	93.55	93.55	93.55	93.55	94.33	93.85	93.55	93.54	93.50	93.44	93.38	
11	93.45	93.75	93.55	93.55	93.55	94.01	93.85	93.55	93.54	93.50	93.44	93.37	
12	93.45	93.75	93.55	93.55	93.55	93.85	93.85	93.55	93.54	93.50	93.44	93.37	
13	93.45	93.75	93.55	93.55	93.55	93.75	93.85	93.55	93.54	93.50	93.44	93.36	
14	93.45	93.75	93.55	93.55	93.55	93.64	93.85	93.55	93.54	93.49	93.44	93.34	
15	93.45	93.75	93.55	93.55	93.55	93.61	93.85	93.55	93.54	93.49	93.44	93.31	
16	93.45	93.75	93.55	93.55	93.55	93.65	93.85	93.55	93.54	93.49	93.44	93.29	
17	93.45	93.75	93.55	93.55	93.55	93.77	93.85	93.55	93.54	93.48	93.44	93.27	
18	93.45	93.75	93.55	93.55	93.55	93.83	93.85	93.55	93.54	93.48	93.44	93.26	
19	93.45	93.75	93.55	93.55	93.55	93.89	93.85	93.55	93.54	93.48	93.44	93.24	
20	93.45	93.75	93.55	93.55	93.55	94.00	93.85	93.55	93.54	93.47	93.43	93.21	
21	93.45	93.55	93.55	93.55	93.55	94.13	93.75	93.55	93.54	93.47	93.43	93.19	
22	93.45	93.55	93.55	93.55	93.55	94.27	93.75	93.55	93.53	93.47	93.43	93.18	
23	93.45	93.55	93.55	93.55	93.55	94.13	93.75	93.55	93.53	93.47	93.43	93.17	
24	93.45	93.55	93.55	93.55	93.55	94.08	93.75	93.55	93.53	93.47	93.43	93.16	
25	93.45	93.55	93.55	93.55	93.55	94.05	93.75	93.55	93.53	93.47	93.43	93.15	
26	93.45	93.55	93.55	93.55	93.55	93.95	93.75	93.55	93.53	93.47	93.43	93.14	
27	93.45	93.55	93.55	93.55	93.55	93.85	93.75	93.55	93.53	93.47	93.43	93.13	
28	93.45	93.55	93.55	93.55	93.55	93.75	93.75	93.55	93.53	93.46	93.43	93.13	
29	93.45	93.55	93.55	93.55	93.55	93.75	93.75	93.55	93.53	93.46		93.12	
30	93.45	93.55	93.55	93.55	93.55	93.75	93.75	93.55	93.53	93.46		93.12	
31		93.55		93.55	93.55		93.75		93.53	93.46		93.12	
Mean	93.45	93.61	93.55	93.55	93.55	93.89	93.81	93.55	93.54	93.49	93.44	93.28	
Max	93.45	93.75	93.55	93.55	93.55	94.33	93.85	93.55	93.55	93.52	93.45	93.42	94.33
Min	93.45	93.55	93.55	93.55	93.55	93.61	93.75	93.55	93.53	93.46	93.43	93.12	93.12
Annual Max Momentary Gage Height	94.37	m. (MSL.) ,		at 06.00 Hours , on Sep 10, 2022									
Zero Gage at Bottom Elevation		93.44	m. (MSL.) ,		River Bed		93.13	m. (MSL.)					
Left Bank Elevation		97.76	m. (MSL.) ,										
Right Bank Elevation		97.78	m. (MSL.) ,		Drainage Are		57	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.05	0.05	0.05	0.05	0.30	0.55	0.05	0.05	0.02	0.00	0.00	
2	0.00	0.05	0.05	0.05	0.05	0.30	0.55	0.05	0.05	0.02	0.00	0.00	
3	0.00	0.05	0.05	0.05	0.05	0.30	0.55	0.05	0.05	0.02	0.00	0.00	
4	0.00	0.05	0.05	0.05	0.05	0.30	0.55	0.05	0.05	0.02	0.00	0.00	
5	0.00	0.05	0.05	0.05	0.05	0.32	0.55	0.05	0.05	0.02	0.00	0.00	
6	0.00	0.05	0.05	0.05	0.05	0.30	0.55	0.05	0.05	0.01	0.00	0.00	
7	0.00	0.05	0.05	0.05	0.05	0.58	0.55	0.05	0.05	0.01	0.00	0.00	
8	0.00	0.05	0.05	0.05	0.05	1.35	0.55	0.05	0.04	0.01	0.00	0.00	
9	0.00	0.05	0.05	0.05	0.05	1.60	0.55	0.05	0.04	0.01	0.00	0.00	
10	0.00	0.05	0.05	0.05	0.05	3.04	0.55	0.05	0.04	0.00	0.00	0.00	
11	0.00	0.30	0.05	0.05	0.05	1.15	0.55	0.05	0.04	0.00	0.00	0.00	
12	0.00	0.30	0.05	0.05	0.05	0.55	0.55	0.05	0.04	0.00	0.00	0.00	
13	0.00	0.30	0.05	0.05	0.05	0.30	0.55	0.05	0.04	0.00	0.00	0.00	
14	0.00	0.30	0.05	0.05	0.05	0.14	0.55	0.05	0.04	0.00	0.00	0.00	
15	0.00	0.30	0.05	0.05	0.05	0.11	0.55	0.05	0.04	0.00	0.00	0.00	
16	0.00	0.30	0.05	0.05	0.05	0.15	0.55	0.05	0.04	0.00	0.00	0.00	
17	0.00	0.30	0.05	0.05	0.05	0.34	0.55	0.05	0.04	0.00	0.00	0.00	
18	0.00	0.30	0.05	0.05	0.05	0.49	0.55	0.05	0.04	0.00	0.00	0.00	
19	0.00	0.30	0.05	0.05	0.05	0.67	0.55	0.05	0.04	0.00	0.00	0.00	
20	0.00	0.30	0.05	0.05	0.05	1.10	0.55	0.05	0.04	0.00	0.00	0.00	
21	0.00	0.05	0.05	0.05	0.05	1.78	0.30	0.05	0.04	0.00	0.00	0.00	
22	0.00	0.05	0.05	0.05	0.05	2.62	0.30	0.05	0.03	0.00	0.00	0.00	
23	0.00	0.05	0.05	0.05	0.05	1.78	0.30	0.05	0.03	0.00	0.00	0.00	
24	0.00	0.05	0.05	0.05	0.05	1.50	0.30	0.05	0.03	0.00	0.00	0.00	
25	0.00	0.05	0.05	0.05	0.05	1.35	0.30	0.05	0.03	0.00	0.00	0.00	
26	0.00	0.05	0.05	0.05	0.05	0.90	0.30	0.05	0.03	0.00	0.00	0.00	
27	0.00	0.05	0.05	0.05	0.05	0.55	0.30	0.05	0.03	0.00	0.00	0.00	
28	0.00	0.05	0.05	0.05	0.05	0.30	0.30	0.05	0.03	0.00	0.00	0.00	
29	0.00	0.05	0.05	0.05	0.05	0.30	0.30	0.05	0.03	0.00	0.00	0.00	
30	0.00	0.05	0.05	0.05	0.05	0.30	0.30	0.05	0.03	0.00	0.00	0.00	
31		0.05		0.05	0.05		0.30		0.03	0.00		0.00	
Total	0.00	4.05	1.50	1.55	1.55	24.77	14.30	1.50	1.21	0.14	0.00	0.00	50.57
Mean	0.00	0.13	0.05	0.05	0.05	0.83	0.46	0.05	0.04	0.00			

WATER YEAR : 2022**YOM RIVER BASIN****Huai Pong at Ban Pong , Lampang (Y.30)**

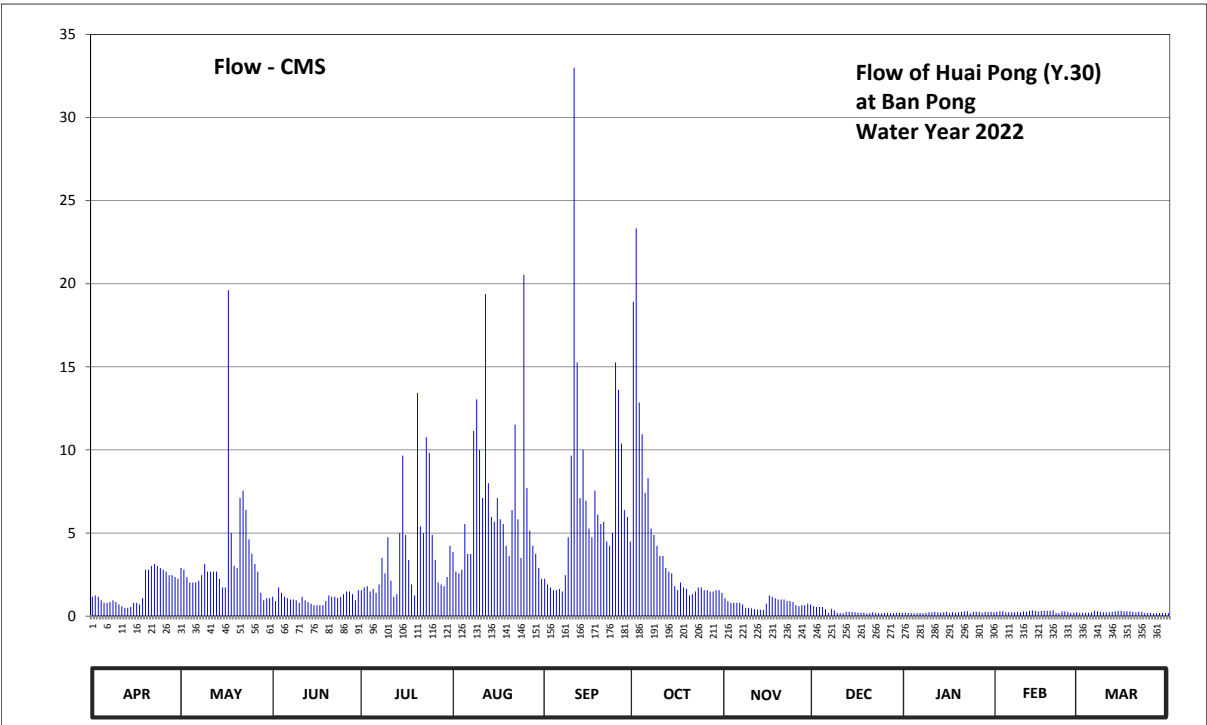
Lat 18 - 42 - 34 N Long 99 - 57 - 27 E

Location : on right bank at the bridge on highway.

	Ban Pong	Amphoe Ngao	Changwat Lampang
Drainge Area	326 sq.km.		
Type of Gage	Staff gage.		
Zero Gage at Bottom	+265.630 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank about 25 meters from the top staff gage.	Elevation	+271.053 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings		
Period of Available Gage Records	1983 to date		
Rating Operation			
Period of Rating	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. The carcass of the bridge is near the gage site. Stage-discharge relation defined by 28 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	266.12	266.30	266.12	266.17	266.38	266.24	267.24	266.11	266.02	265.90	265.92	265.90	
2	266.13	266.29	266.08	266.19	266.28	266.21	267.43	266.08	266.01	265.89	265.93	265.90	
3	266.12	266.25	266.19	266.20	266.27	266.19	266.95	266.06	266.01	265.88	265.93	265.90	
4	266.09	266.22	266.15	266.16	266.29	266.17	266.85	266.06	266.01	265.86	265.91	265.90	
5	266.06	266.22	266.12	266.18	266.51	266.17	266.64	266.06	265.97	265.87	265.91	265.91	
6	266.06	266.22	266.11	266.15	266.37	266.18	266.70	266.06	265.89	265.88	265.91	265.94	
7	266.07	266.23	266.10	266.21	266.37	266.16	266.49	266.04	265.98	265.87	265.91	265.93	
8	266.09	266.26	266.10	266.35	266.86	266.26	266.46	266.00	265.95	265.90	265.92	265.92	
9	266.07	266.32	266.09	266.27	266.96	266.45	266.41	266.00	265.89	265.91	265.91	265.91	
10	266.04	266.28	266.06	266.45	266.80	266.78	266.36	265.99	265.87	265.91	265.93	265.91	
11	266.02	266.28	266.12	266.23	266.62	267.80	266.36	265.97	265.87	265.92	265.92	265.91	
12	266.00	266.28	266.09	266.12	267.26	267.07	266.30	265.96	265.92	265.91	265.94	265.92	
13	266.00	266.28	266.07	266.14	266.68	266.62	266.28	265.96	265.92	265.90	265.95	265.93	
14	266.01	266.24	266.05	266.47	266.54	266.80	266.27	265.96	265.92	265.91	265.94	265.94	
15	266.06	266.19	266.03	266.78	266.52	266.61	266.20	266.05	265.91	265.92	265.93	265.94	
16	266.06	266.19	266.03	266.46	266.62	266.49	266.17	266.13	265.90	265.90	265.94	265.93	
17	266.04	267.27	266.03	266.34	266.53	266.45	266.22	266.12	265.90	265.91	265.94	265.93	
18	266.11	266.47	266.03	266.21	266.51	266.65	266.19	266.11	265.90	265.90	265.94	265.93	
19	266.29	266.31	266.08	266.13	266.41	266.55	266.18	266.10	265.86	265.91	265.94	265.92	
20	266.29	266.30	266.13	266.98	266.36	266.51	266.13	266.10	265.87	265.92	265.95	265.91	
21	266.31	266.62	266.12	266.50	266.57	266.52	266.14	266.10	265.91	265.93	265.89	265.92	
22	266.32	266.65	266.12	266.47	266.88	266.43	266.16	266.08	265.89	265.93	265.88	265.92	
23	266.31	266.57	266.11	266.84	266.53	266.41	266.19	266.08	265.87	265.87	265.93	265.88	
24	266.30	266.44	266.12	266.79	266.35	266.47	266.19	266.07	265.87	265.92	265.93	265.89	
25	266.29	266.37	266.14	266.46	267.31	267.07	266.17	266.03	265.88	265.92	265.92	265.88	
26	266.28	266.32	266.16	266.34	266.66	266.99	266.17	266.02	265.90	265.92	265.89	265.87	
27	266.26	266.28	266.16	266.22	266.48	266.82	266.16	266.03	265.87	265.90	265.90	265.87	
28	266.26	266.15	266.14	266.21	266.41	266.57	266.16	266.03	265.88	265.92	265.91	265.88	
29	266.25	266.09	266.09	266.20	266.37	266.54	266.17	266.05	265.90	265.92		265.89	
30	266.24	266.11	266.17	266.25	266.30	266.43	266.17	266.04	265.90	265.92		265.88	
31		266.11		266.41	266.24		266.15		265.90	265.91		265.88	
Mean	266.15	266.33	266.10	266.35	266.56	266.55	266.38	266.05	265.91	265.90	265.92	265.91	
Max	266.32	267.27	266.19	266.98	267.31	267.80	267.43	266.13	266.02	265.93	265.95	265.94	267.80
Min	266.00	266.09	266.03	266.12	266.24	266.16	266.13	265.96	265.86	265.86	265.88	265.87	265.86
Annual Max Momentary Gage Height	268.38		m. (MSL.) ,				at 18.00 Hours , on Oct 1, 2022						
Zero Gage at Bottom Elevation		265.63		m. (MSL.) ,		River Bed	265.28		m. (MSL.)				
Left Bank Elevation		273.94		m. (MSL.) ,									
Right Bank Elevation		273.87		m. (MSL.) ,		Drainage Are	326		Square Kilometers				



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.16	2.90	1.16	1.56	3.86	2.24	18.92	1.08	0.60	0.20	0.26	0.20	
2	1.24	2.79	0.90	1.72	2.68	1.91	23.34	0.90	0.55	0.19	0.29	0.20	
3	1.16	2.35	1.72	1.80	2.57	1.72	12.85	0.80	0.55	0.18	0.29	0.20	
4	0.95	2.02	1.40	1.48	2.79	1.56	10.95	0.80	0.55	0.16	0.23	0.20	
5	0.80	2.02	1.16	1.64	5.54	1.56	7.40	0.80	0.41	0.17	0.23	0.23	
6	0.80	2.02	1.08	1.40	3.74	1.64	8.30	0.80	0.19	0.18	0.23	0.32	
7	0.85	2.13	1.00	1.91	3.74	1.48	5.27	0.70	0.44	0.17	0.23	0.29	
8	0.95	2.46	1.00	3.50	11.14	2.46	4.88	0.50	0.35	0.20	0.26	0.26	
9	0.85	3.14	0.95	2.57	13.04	4.75	4.23	0.50	0.19	0.23	0.23	0.23	
10	0.70	2.68	0.80	4.75	10.00	9.66	3.62	0.47	0.17	0.23	0.29	0.23	
11	0.60	2.68	1.16	2.13	7.10	33.00	3.62	0.41	0.17	0.26	0.26	0.23	
12	0.50	2.68	0.95	1.16	19.38	15.27	2.90	0.38	0.26	0.23	0.32	0.26	
13	0.50	2.68	0.85	1.32	8.00	7.10	2.68	0.38	0.26	0.20	0.35	0.29	
14	0.55	2.24	0.75	5.01	5.96	10.00	2.57	0.38	0.26	0.23	0.32	0.32	
15	0.80	1.72	0.65	9.66	5.68	6.95	1.80	0.75	0.23	0.26	0.29	0.32	
16	0.80	1.72	0.65	4.88	7.10	5.27	1.56	1.24	0.20	0.20	0.32	0.29	
17	0.70	19.61	0.65	3.38	5.82	4.75	2.02	1.16	0.20	0.23	0.32	0.29	
18	1.08	5.01	0.65	1.91	5.54	7.55	1.72	1.08	0.20	0.20	0.32	0.29	
19	2.79	3.02	0.90	1.24	4.23	6.10	1.64	1.00	0.16	0.23	0.32	0.26	
20	2.79	2.90	1.24	13.42	3.62	5.54	1.24	1.00	0.17	0.26	0.35	0.23	
21	3.02	7.10	1.16	5.40	6.38	5.68	1.32	1.00	0.23	0.29	0.19	0.26	
22	3.14	7.55	1.16	5.01	11.52	4.49	1.48	0.90	0.19	0.29	0.18	0.26	
23	3.02	6.38	1.08	10.76	5.82	4.23	1.72	0.90	0.17	0.17	0.29	0.18	
24	2.90	4.62	1.16	9.83	3.50	5.01	1.72	0.85	0.17	0.26	0.29	0.19	
25	2.79	3.74	1.32	4.88	20.53	15.27	1.56	0.65	0.18	0.26	0.26	0.18	
26	2.68	3.14	1.48	3.38	7.70	13.61	1.56	0.60	0.20	0.26	0.19	0.17	
27	2.46	2.68	1.48	2.02	5.14	10.38	1.48	0.65	0.17	0.20	0.20	0.17	
28	2.46	1.40	1.32	1.91	4.23	6.38	1.48	0.65	0.18	0.26	0.23	0.18	
29	2.35	0.95	0.95	1.80	3.74	5.96	1.56	0.75	0.20	0.26		0.19	
30	2.24	1.08	1.56	2.35	2.90	4.49	1.56	0.70	0.20	0.26		0.18	
31		1.08		4.23	2.24		1.40		0.20	0.23		0.18	
Total	47.63	108.49	32.29	118.01	205.23	206.01	138.35	22.78	8.20	6.95	7.54	7.28	908.76 CMSDAY
Mean	1.59	3.50	1.08	3.81	6.62	6.87	4.46	0.76	0.26	0.22	0.27	0.23	2.49 CMS
Max	3.14	19.61	1.72	13.42	20.53	33.00	23.34	1.24	0.60	0.29	0.35	0.32	33.00 CMS
Min	0.50	0.95	0.65	1.16	2.24	1.48	1.24	0.38	0.16	0.16	0.18	0.17	0.16 CMS
Runoff	4.12	9.37	2.79	10.20	17.73	17.80	11.95	1.97	0.71	0.60	0.65	0.63	78.52 MCM
Momentary Peak	50.83	CMS. at 268.38 m. (MSL.) at 18.00 Hours , on Oct 1, 2022											
Runoff Yield	7.64	Liters/Second/Square KM.		Momentary Peak Yield		155.92	Liters/Second/Square KM.						

WATER YEAR : 2022**YOM RIVER BASIN****Yom River at Ban Thung Nong , Phayao (Y.31)**

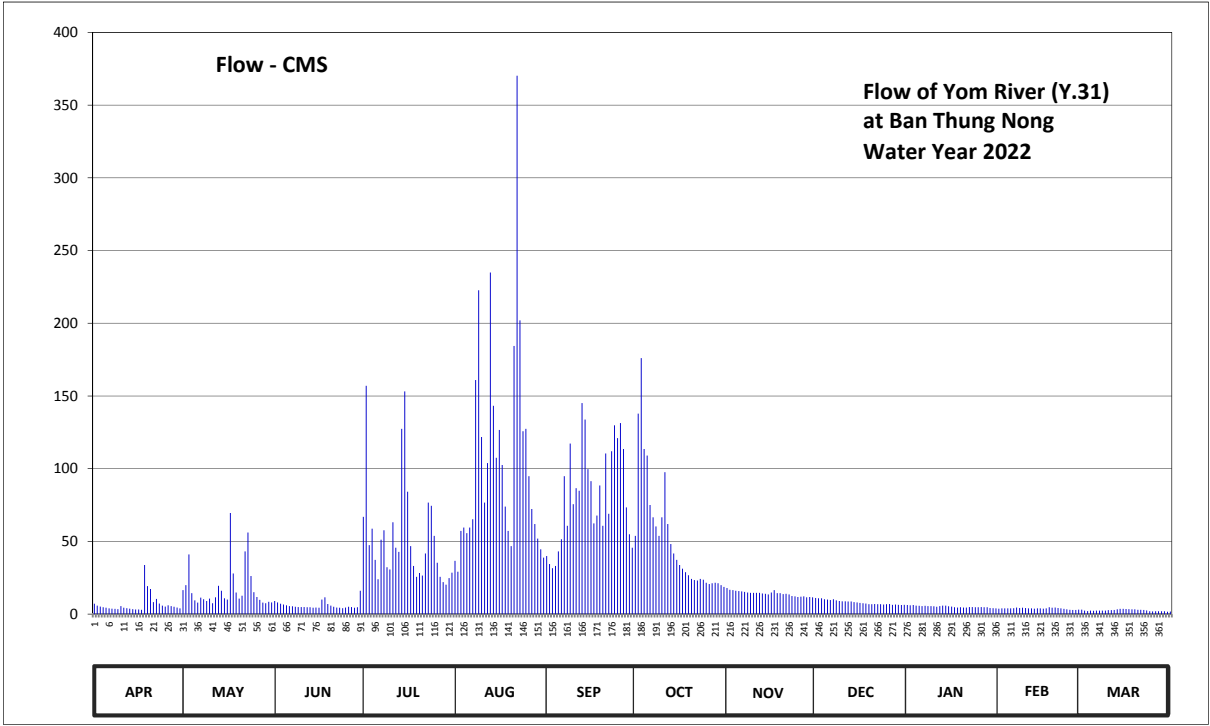
Lat 18 - 56 - 47 N Long 100 - 15 - 32 E

Location : on right bank downstream of the bridge of Pong - Chiang Muan road.

	Ban Thung Nong	Amphoe Chiang Muan	Changwat Phayao
Drainge Area	2,027 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+257.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank about 5 meters from the top staff gage.	Elevation	+266.960 m. (MSL.)
Gage Reading Frequency	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	1996 to date		
Rated by Float	-		
Rated by Current Meter	1996 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Flow effected by the islet about 200 meters downstream from the gage site. Stage-discharge relation defined by 35 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	257.99	258.43	258.09	259.95	259.14	259.24	259.62	258.49	258.19	257.94	257.79	257.73	
2	257.92	258.57	258.04	261.22	258.90	259.07	261.01	258.44	258.18	257.93	257.80	257.67	
3	257.88	259.27	257.99	259.45	259.71	258.98	261.41	258.43	258.18	257.94	257.80	257.64	
4	257.85	258.34	257.96	259.75	259.77	259.03	260.70	258.41	258.15	257.92	257.80	257.67	
5	257.83	258.11	257.93	259.16	259.67	259.33	260.64	258.40	258.14	257.91	257.80	257.66	
6	257.80	258.03	257.90	258.72	259.77	259.56	260.11	258.39	258.12	257.90	257.81	257.67	
7	257.79	258.20	257.89	259.55	259.91	260.44	259.94	258.38	258.15	257.91	257.84	257.67	
8	257.78	258.15	257.87	259.72	261.26	259.80	259.79	258.36	258.11	257.90	257.82	257.67	
9	257.76	258.09	257.86	259.00	261.82	260.75	259.62	258.35	258.09	257.90	257.83	257.67	
10	257.90	258.17	257.86	258.95	260.81	260.12	259.94	258.35	258.08	257.89	257.82	257.70	
11	257.83	258.01	257.86	259.86	260.14	260.31	260.48	258.35	258.08	257.87	257.80	257.70	
12	257.81	258.21	257.85	259.40	260.57	260.28	259.83	258.35	258.07	257.90	257.80	257.71	
13	257.79	258.55	257.85	259.32	261.91	261.09	259.47	258.33	258.07	257.92	257.79	257.75	
14	257.76	258.41	257.83	260.88	261.07	260.96	259.29	258.32	258.05	257.92	257.80	257.78	
15	257.74	258.18	257.84	261.18	260.62	260.51	259.16	258.30	258.04	257.89	257.80	257.78	
16	257.74	258.14	257.83	260.27	260.87	260.39	259.05	258.36	258.02	257.88	257.79	257.77	
17	257.72	260.01	258.14	259.43	260.55	259.84	258.97	258.43	258.01	257.85	257.80	257.76	
18	259.05	258.86	258.21	259.03	260.09	259.97	258.89	258.34	258.00	257.84	257.85	257.75	
19	258.54	258.36	257.98	258.78	259.71	260.34	258.82	258.34	257.97	257.85	257.83	257.75	
20	258.46	258.17	257.92	258.87	259.43	259.80	258.73	258.31	257.97	257.84	257.84	257.72	
21	258.05	258.26	257.87	258.81	261.49	260.66	258.70	258.32	257.98	257.84	257.82	257.72	
22	258.16	259.33	257.84	259.29	262.75	260.00	258.69	258.30	257.97	257.86	257.80	257.71	
23	258.00	259.68	257.83	260.14	261.65	260.68	258.73	258.25	257.97	257.86	257.78	257.68	
24	257.92	258.80	257.81	260.10	260.86	260.91	258.71	258.24	257.96	257.85	257.75	257.63	
25	257.88	258.37	257.84	259.62	260.88	260.80	258.63	258.22	257.97	257.85	257.72	257.62	
26	257.93	258.22	257.87	259.10	260.44	260.93	258.60	258.23	257.98	257.86	257.71	257.63	
27	257.90	258.13	257.86	258.78	260.06	260.70	258.62	258.24	257.95	257.85	257.71	257.63	
28	257.87	258.03	257.83	258.65	259.83	260.08	258.63	258.21	257.96	257.85	257.73	257.63	
29	257.84	258.01	257.85	258.58	259.57	259.65	258.62	258.22	257.95	257.82		257.63	
30	257.80	258.06	258.41	258.75	259.37	259.40	258.57	258.21	257.94	257.81		257.59	
31		258.04		258.88	259.21		258.52		257.95	257.80		257.60	
Mean	257.94	258.43	257.92	259.46	260.38	260.12	259.37	258.33	258.04	257.88	257.79	257.69	
Max	259.05	260.01	258.41	261.22	262.75	261.09	261.41	258.49	258.19	257.94	257.85	257.78	262.75
Min	257.72	258.01	257.81	258.58	258.90	258.98	258.52	258.21	257.94	257.80	257.71	257.59	257.59
Annual Max Momentary Gage Height	263.48		m. (MSL.) ,				at 20.00 Hours , on Aug 21, 2022						
Zero Gage at Bottom Elevation		257.00		m. (MSL.) ,		River Bed	254.52		m. (MSL.)				
Left Bank Elevation		267.39		m. (MSL.) ,									
Right Bank Elevation		267.25		m. (MSL.) ,		Drainage Are	2,027		Square Kilometers				



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	7.12	16.52	9.01	66.93	36.61	39.92	53.77	17.96	11.09	6.22	3.78	3.06		
2	5.86	19.95	8.06	157.00	29.10	34.41	137.90	16.76	10.88	6.04	3.90	2.40		
3	5.18	40.99	7.12	47.45	57.24	31.58	176.05	16.52	10.88	6.22	3.90	2.10		
4	4.70	14.42	6.58	58.78	59.55	33.15	113.50	16.04	10.25	5.86	3.90	2.40		
5	4.38	9.41	6.04	37.24	55.70	43.12	109.00	15.80	10.04	5.68	3.90	2.30		
6	3.90	7.87	5.50	23.96	59.55	51.52	75.05	15.57	9.62	5.50	4.06	2.40		
7	3.78	11.30	5.34	51.15	65.27	94.80	66.51	15.34	10.25	5.68	4.54	2.40		
8	3.66	10.25	5.02	57.62	161.00	60.70	60.32	14.88	9.41	5.50	4.22	2.40		
9	3.42	9.01	4.86	32.20	222.70	117.25	53.77	14.65	9.01	5.50	4.38	2.40		
10	5.50	10.67	4.86	30.65	121.80	75.60	66.51	14.65	8.82	5.34	4.22	2.70		
11	4.38	7.49	4.86	63.19	76.70	86.60	97.60	14.65	8.82	5.02	3.90	2.70		
12	4.06	11.52	4.70	45.60	103.90	84.80	61.95	14.65	8.63	5.50	3.90	2.82		
13	3.78	19.45	4.70	42.76	234.85	145.10	48.19	14.19	8.63	5.86	3.78	3.30		
14	3.42	16.04	4.38	127.40	143.30	133.80	41.70	13.96	8.25	5.86	3.90	3.66		
15	3.18	10.88	4.54	153.20	107.50	99.70	37.24	13.50	8.06	5.34	3.90	3.66		
16	3.18	10.04	4.38	84.20	126.60	91.40	33.78	14.88	7.68	5.18	3.78	3.54		
17	2.94	69.55	10.04	46.71	102.50	62.36	31.27	16.52	7.49	4.70	3.90	3.42		
18	33.78	27.94	11.52	33.15	73.95	67.76	28.81	14.42	7.30	4.54	4.70	3.30		
19	19.20	14.88	6.94	25.64	57.24	88.40	26.78	14.42	6.76	4.70	4.38	3.30		
20	17.24	10.67	5.86	28.23	46.71	60.70	24.24	13.73	6.76	4.54	4.54	2.94		
21	8.25	12.62	5.02	26.49	184.45	110.50	23.40	13.96	6.94	4.54	4.22	2.94		
22	10.46	43.12	4.54	41.70	370.25	69.00	23.13	13.50	6.76	4.86	3.90	2.82		
23	7.30	56.08	4.38	76.70	202.00	112.00	24.24	12.40	6.76	4.86	3.66	2.50		
24	5.86	26.20	4.06	74.50	125.80	129.80	23.68	12.18	6.58	4.70	3.30	2.00		
25	5.18	15.11	4.54	53.77	127.40	121.00	21.51	11.74	6.76	4.70	2.94	1.90		
26	6.04	11.74	5.02	35.35	94.80	131.40	20.70	11.96	6.94	4.86	2.82	2.00		
27	5.50	9.83	4.86	25.64	72.30	113.50	21.24	12.18	6.40	4.70	2.82	2.00		
28	5.02	7.87	4.38	22.05	61.95	73.40	21.51	11.52	6.58	4.70	3.06	2.00		
29	4.54	7.49	4.70	20.20	51.89	54.93	21.24	11.74	6.40	4.22		2.00		
30	3.90	8.44	16.04	24.80	44.54	45.60	19.95	11.52	6.22	4.06		1.63		
31		8.06		28.52	38.86		18.70		6.40	3.90		1.70		
Total	204.71	555.41	181.85	1642.78	3316.01	2463.80	1583.24	425.79	251.37	158.88	108.20	80.69	10972.73	CMSDAY
Mean	6.82	17.92	6.06	52.99	106.97	82.13	51.07	14.19	8.11	5.13	3.86	2.60	30.06	CMS
Max	33.78	69.55	16.04	157.00	370.25	145.10	176.05	17.96	11.09	6.22	4.70	3.66	370.25	CMS
Min	2.94	7.49	4.06	20.20	29.10	31.58	18.70	11.52	6.22	3.90	2.82	1.63	1.63	CMS
Runoff	17.69	47.99	15.71	141.94	286.50	212.87	136.79	36.79	21.72	13.73	9.35	6.97	948.04	MCM
Momentary Peak	CMS. at 263.48 m. (MSL.) at 20.00 Hours , on Aug 21, 2022													
Runoff Yield	14.83	Liters/Second/Square KM.			Momentary Peak Yield			254.56	Liters/Second/Square KM.					

WATER YEAR : 2022

YOM RIVER BASIN

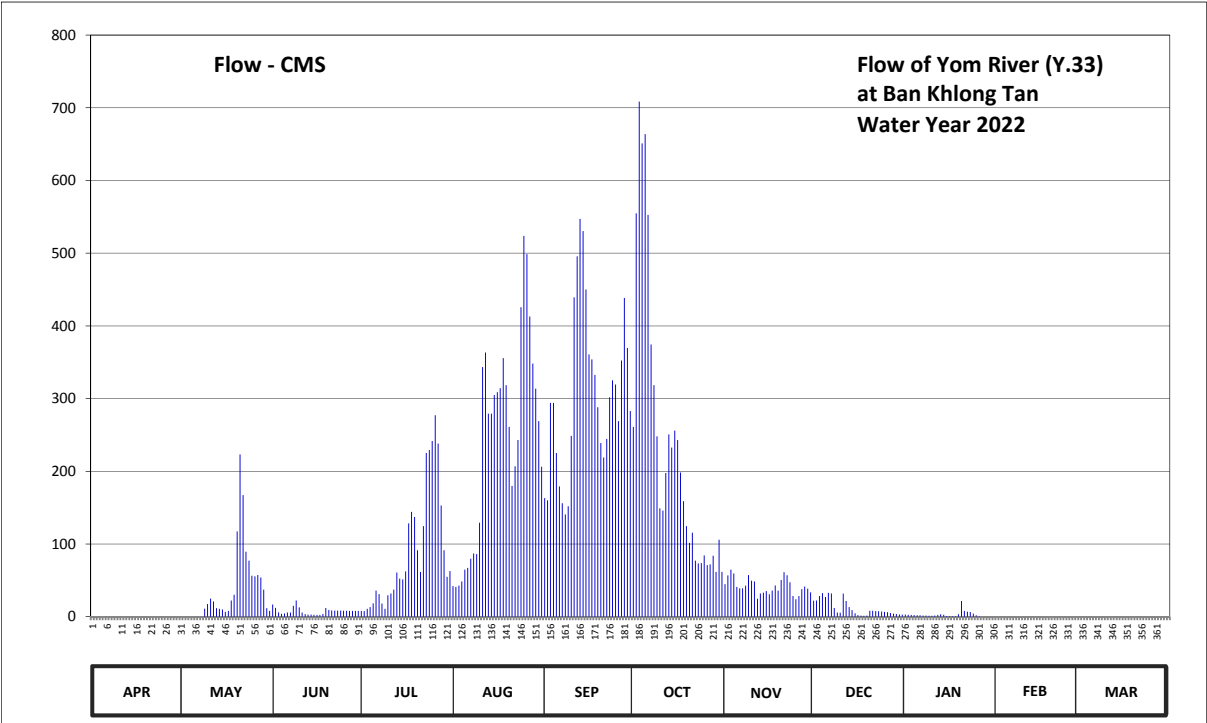
Yom River at Ban Khlong Tan , Sukhothai (Y.33)

Lat 17 - 10 - 08 N Long 99 - 51 - 40 E

Location : on left bank at the bridge on road from Tambon Khlong Tan.

	Ban Khlong Tan	Amphoe Si Samrong	Changwat Sukhothai
Drainge Area	12,778 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+45.750 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 20.30 meters from the top staff gage.	Elevation	+55.420 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1990 to date		
Rating Operation			
Period of Rating	1990 to date		
Rated by Float	-		
Rated by Current Meter	1990 to date		
Stability of Channel Regimes	Fairly stable because of back water effect.		
Overbank Flow Conditions	Overbank flow starts at elevation +56.240 m.(MSL.), records are channel flow only.		
General Description	Records good. Flow effected by the temporary weir about 500 meters downstream from the gage site. Stage-discharge relation defined by 24 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	46.97	46.64	47.21	46.73	48.00	50.55	52.04	48.07	48.35	46.39	46.40	45.82	
2	46.84	47.07	47.01	46.72	47.97	50.50	55.25	48.39	48.36	46.37	46.76	45.88	
3	46.77	47.08	46.60	46.93	48.02	52.49	56.61	48.59	48.51	46.34	46.93	45.92	
4	46.71	47.07	46.47	47.06	48.17	52.49	56.11	48.46	48.61	46.33	46.95	47.41	
5	46.65	46.93	46.50	47.27	48.59	51.53	56.22	47.97	48.48	46.31	46.68	46.42	
6	46.58	46.45	46.58	47.83	48.65	50.82	55.23	47.92	48.62	46.30	46.38	46.12	
7	46.51	46.27	46.59	47.69	48.95	50.43	53.46	47.92	48.60	46.27	46.16	46.01	
8	46.49	46.50	47.14	47.26	49.11	50.17	52.80	48.02	48.10	46.27	45.99	46.01	
9	46.54	46.94	47.40	46.93	49.09	50.36	51.86	48.40	47.89	46.25	45.89	45.98	
10	46.66	47.23	47.04	47.64	49.96	51.87	50.31	48.20	47.88	46.25	45.85	45.95	
11	46.85	47.49	46.58	47.72	53.10	54.14	50.26	48.17	47.71	46.26	45.83	45.92	
12	47.29	47.36	46.44	47.87	53.34	54.70	51.12	48.42	47.38	46.34	45.83	45.91	
13	47.13	46.99	46.40	48.49	52.29	55.18	51.90	48.60	47.07	46.43	45.83	45.97	
14	46.88	46.92	46.39	48.28	52.29	55.03	51.64	48.63	46.81	46.38	45.83	45.96	
15	46.49	46.86	46.38	48.25	52.63	54.25	51.97	48.68	46.52	46.19	45.83	45.97	
16	46.40	46.64	46.35	48.53	52.68	53.31	51.79	48.57	46.33	46.18	45.85	45.96	
17	46.33	46.73	46.34	49.94	52.75	53.23	51.13	48.70	46.26	46.15	46.36	45.96	
18	46.30	47.40	46.45	50.23	53.25	52.97	50.48	48.84	46.24	46.16	46.76	45.95	
19	46.27	47.66	47.00	50.11	52.80	52.41	49.87	48.70	46.26	46.43	46.79	45.92	
20	46.26	49.73	46.82	49.20	52.04	51.73	49.42	48.99	46.75	47.38	46.58	45.89	
21	46.23	51.50	46.78	48.51	50.83	51.44	49.70	49.16	46.75	46.74	46.33	45.86	
22	46.22	50.62	46.76	49.87	51.26	51.81	48.89	49.10	46.72	46.66	46.17	45.85	
23	46.21	49.16	46.76	51.53	51.79	52.59	48.80	48.93	46.70	46.63	46.04	45.83	
24	46.21	48.89	46.76	51.59	54.00	52.88	48.81	48.51	46.67	46.48	45.94	45.83	
25	46.19	48.38	46.75	51.77	54.97	52.81	49.05	48.40	46.65	46.31	45.91	45.82	
26	46.34	48.36	46.75	52.26	54.73	52.15	48.74	48.51	46.62	46.12	45.84	45.83	
27	46.35	48.40	46.74	51.72	53.87	53.21	48.77	48.74	46.54	45.98	45.83	45.82	
28	46.32	48.32	46.74	50.38	53.16	54.13	49.04	48.81	46.48	45.90	45.83	45.82	
29	46.32	47.87	46.73	49.20	52.74	53.41	48.51	48.75	46.45	45.88		45.82	
30	46.51	46.98	46.74	48.34	52.15	52.34	49.51	48.64	46.41	45.84		45.82	
31		46.73		48.54	51.25		48.51		46.40	45.83		45.82	
Mean	46.53	47.65	46.71	48.85	51.43	52.50	51.22	48.53	47.20	46.30	46.19	45.97	
Max	47.29	51.50	47.40	52.26	54.97	55.18	56.61	49.16	48.62	47.38	46.95	47.41	56.61
Min	46.19	46.27	46.34	46.72	47.97	50.17	48.51	47.92	46.24	45.83	45.83	45.82	45.82
Annual Max Momentary Gage Height	56.90	m. (MSL.) ,		at 04.00 Hours , on Oct 3, 2022									
Zero Gage at Bottom Elevation	45.75	m. (MSL.) ,		River Bed		43.84	m. (MSL.)						
Left Bank Elevation	56.23	m. (MSL.) ,											
Right Bank Elevation	56.53	m. (MSL.) ,		Drainage Are		12,778	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	16.86	7.95	42.10	163.08	261.02	44.69	22.00	2.90	0.00	0.00		
2	0.00	0.00	12.20	7.80	40.99	160.10	554.85	56.80	22.40	2.70	0.00	0.00		
3	0.00	0.00	6.00	10.95	42.84	294.06	708.34	64.80	28.40	2.40	0.00	0.00		
4	0.00	0.00	4.05	13.20	48.39	294.06	650.96	59.60	32.40	2.30	0.00	0.00		
5	0.00	0.00	4.50	18.42	64.80	225.24	663.72	40.99	27.20	2.10	0.00	0.00		
6	0.00	0.00	5.70	35.95	67.20	179.32	552.63	39.14	32.80	2.00	0.00	0.00		
7	0.00	0.00	5.85	31.10	79.85	156.01	374.36	39.14	32.00	1.70	0.00	0.00		
8	0.00	0.00	15.04	18.16	87.07	140.80	318.55	42.84	12.00	1.70	0.00	0.00		
9	0.00	11.10	22.25	10.95	86.15	151.91	248.00	57.20	5.80	1.50	0.00	0.00		
10	0.00	17.38	12.80	29.57	129.35	248.70	148.99	49.50	5.60	1.50	0.00	0.00		
11	0.00	25.00	5.70	32.10	343.30	439.32	146.06	48.39	31.75	1.60	0.00	0.00		
12	0.00	21.03	3.60	37.35	363.44	495.60	197.72	24.80	21.64	2.40	0.00	0.00		
13	0.00	11.85	3.00	60.80	279.27	547.08	250.80	32.00	13.40	3.45	0.00	0.00		
14	0.00	10.80	2.90	52.46	279.27	530.43	232.72	33.20	9.15	2.80	0.00	0.00		
15	0.00	9.90	2.80	51.35	304.88	450.10	255.91	35.20	4.80	0.95	0.00	0.00		
16	0.00	6.60	2.50	62.40	308.75	360.71	243.10	30.80	2.30	0.90	0.00	0.00		
17	0.00	7.95	2.40	128.30	314.43	354.03	198.38	36.00	1.60	0.75	0.00	0.00		
18	0.00	22.25	3.75	144.31	355.68	332.58	158.93	43.00	1.40	0.80	0.00	0.00		
19	0.00	30.18	12.00	137.29	318.55	288.14	124.63	36.00	1.60	3.45	0.00	0.00		
20	0.00	117.28	9.30	91.30	261.02	238.90	101.64	50.50	8.25	21.64	0.00	0.00		
21	0.00	223.20	8.70	61.60	179.93	219.12	115.70	61.20	8.25	8.10	0.00	0.00		
22	0.00	167.24	8.40	124.63	206.96	244.50	77.18	57.00	7.80	6.90	0.00	0.00		
23	0.00	89.42	8.40	225.24	243.10	301.78	73.40	47.50	7.50	6.45	0.00	0.00		
24	0.00	77.18	8.40	229.32	425.60	325.15	73.82	28.40	7.05	4.20	0.00	0.00		
25	0.00	56.40	8.25	241.70	523.77	319.38	84.35	24.00	6.75	2.10	0.00	0.00		
26	0.00	55.60	8.25	277.08	498.66	269.05	70.88	28.40	6.30	0.60	0.00	0.00		
27	0.00	57.20	8.10	238.20	412.97	352.38	72.14	38.00	5.10	0.00	0.00	0.00		
28	0.00	54.00	8.10	153.08	348.25	438.34	83.90	41.50	4.20	0.00	0.00	0.00		
29	0.00	37.35	7.95	91.30	313.60	369.81	61.60	38.50	3.75	0.00	0.00	0.00		
30	0.00	11.70	8.10	54.80	269.05	282.96	105.92	33.60	3.15	0.00	0.00	0.00		
31		7.95		62.80	206.30		61.60		3.00	0.00		0.00		
Total	0.00	1128.56	235.85	2741.46	7445.52	9172.64	7271.80	1262.69	379.34	87.89	0.00	0.00	29725.75	CMSDAY
Mean	0.00	36.41	7.86	88.43	240.18	305.75	234.57	42.09	12.24	2.84	0.00	0.00	81.44	CMS
Max	0.00	223.20	22.25	277.08	523.77	547.08	708.34	64.80	32.80	21.64	0.00	0.00	708.34	CMS
Min	0.00	0.00	2.40	7.80	40.99	140.80	61.60	24.00	1.40	0.00	0.00	0.00	0.00	CMS
Runoff	0.00	97.51	20.38	236.86	643.29	792.52	628.28	109.10	32.77	7.59	0.00	0.00	2568.30	MCM
Momentary Peak		742.20	CMS.	at 56.90 m. (MSL.)	at 04.00 Hours ,	on Oct 3, 2022								
Runoff Yield		6.37	Liters/Second/Square KM.			Momentary Peak Yield	58.08		Liters/Second/Square KM.					

WATER YEAR : 2022

YOM RIVER BASIN

Nam Mae Lai at Ban Mae Lai , Phrae (Y.34)

Lat 18 - 13 - 12 N Long 100 - 12 - 23 E

Location : on left bank at the bridge on highway.

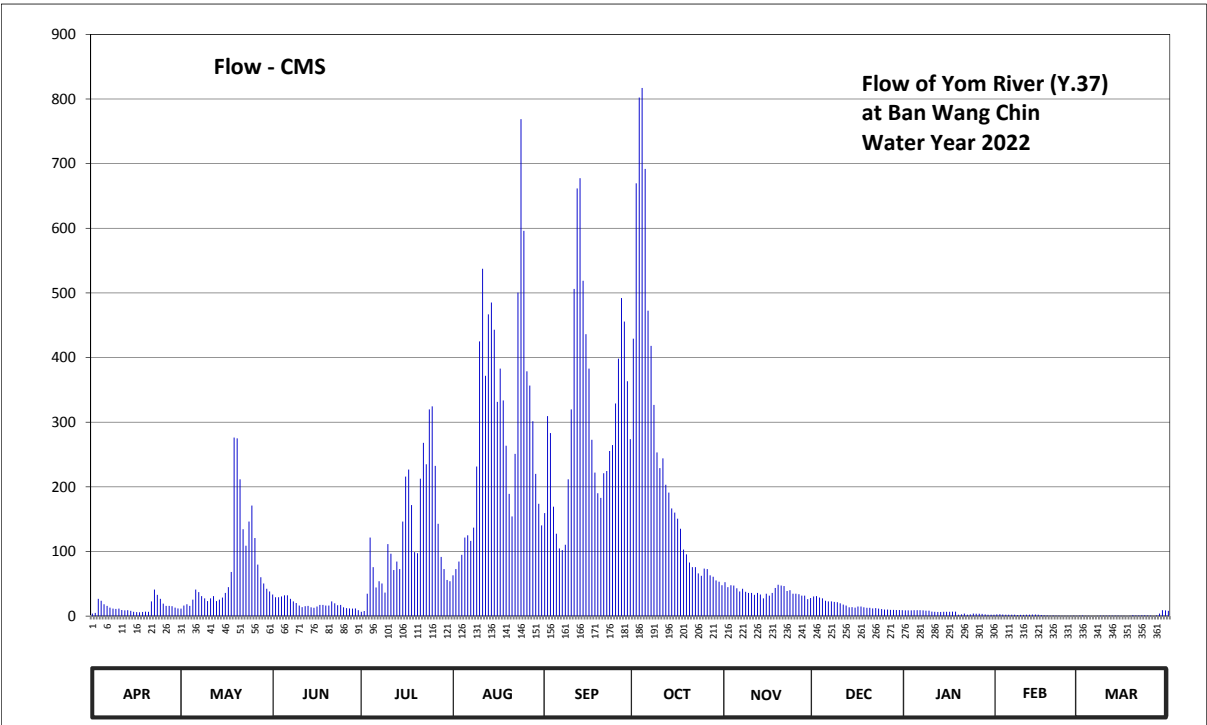
	Ban Mae Lai	Amphoe Mueang	Changwat Phrae
Drainge Area	351 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+157.270 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 10 meters from the top staff gage.	Elevation	+167.293 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1996 to date		
Rating Operation			
Period of Rating	1996 to date		
Rated by Float	-		
Rated by Current Meter	1996 to date		
Stability of Channel Regimes	Fairly stable because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Flow effected by the temporary weir about 300 meters downstream from the gage site. Stage-discharge relation defined by 35 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	159.32	159.19	159.19	159.19	159.36	159.68	159.41	159.24	159.24	159.22	159.24	159.19	
2	159.26	159.17	159.19	159.19	159.39	159.58	159.59	159.25	159.23	159.22	159.24	159.19	
3	159.24	159.17	159.19	159.20	159.42	159.52	159.57	159.25	159.21	159.22	159.24	159.20	
4	159.22	159.17	159.20	159.19	159.41	159.46	159.54	159.24	159.20	159.21	159.23	159.22	
5	159.20	159.17	159.21	159.20	159.39	159.40	159.48	159.24	159.22	159.21	159.24	159.22	
6	159.19	159.17	159.19	159.19	159.39	159.39	159.49	159.23	159.21	159.21	159.24	159.22	
7	159.18	159.17	159.21	159.19	159.38	159.38	159.53	159.24	159.20	159.21	159.24	159.22	
8	159.18	159.17	159.21	159.20	159.61	159.40	159.45	159.28	159.23	159.21	159.25	159.21	
9	159.19	159.17	159.22	159.20	159.63	159.44	159.41	159.26	159.24	159.22	159.26	159.21	
10	159.19	159.17	159.21	159.20	159.50	159.42	159.47	159.23	159.23	159.24	159.25	159.21	
11	159.19	159.19	159.21	159.20	159.49	159.48	159.42	159.23	159.24	159.25	159.25	159.21	
12	159.19	159.19	159.20	159.20	159.66	159.54	159.38	159.22	159.23	159.25	159.25	159.22	
13	159.19	159.19	159.20	159.20	159.55	159.53	159.37	159.22	159.24	159.24	159.25	159.23	
14	159.18	159.19	159.21	159.23	159.46	159.47	159.35	159.23	159.22	159.24	159.24	159.22	
15	159.18	159.19	159.36	159.58	159.45	159.46	159.34	159.24	159.23	159.24	159.24	159.22	
16	159.19	159.19	159.24	159.37	159.46	159.46	159.34	159.49	159.23	159.24	159.24	159.21	
17	159.20	159.19	159.19	159.33	159.47	159.44	159.32	159.38	159.24	159.24	159.24	159.20	
18	159.19	159.28	159.19	159.31	159.43	159.41	159.31	159.35	159.26	159.23	159.23	159.20	
19	159.20	159.30	159.19	159.35	159.41	159.40	159.31	159.34	159.27	159.25	159.23	159.20	
20	159.23	159.27	159.19	159.29	159.39	159.40	159.30	159.31	159.25	159.24	159.23	159.20	
21	159.18	159.24	159.19	159.27	159.99	159.40	159.31	159.30	159.24	159.24	159.23	159.19	
22	159.18	159.23	159.19	159.40	159.77	159.35	159.31	159.33	159.24	159.24	159.23	159.19	
23	159.18	159.24	159.19	159.61	159.58	159.36	159.33	159.33	159.23	159.23	159.23	159.18	
24	159.19	159.24	159.19	159.53	159.52	159.41	159.31	159.30	159.24	159.23	159.21	159.18	
25	159.19	159.20	159.19	159.43	159.51	159.43	159.28	159.29	159.25	159.23	159.20	159.19	
26	159.19	159.20	159.19	159.40	159.48	159.45	159.26	159.29	159.25	159.24	159.21	159.19	
27	159.19	159.20	159.19	159.40	159.47	159.48	159.26	159.23	159.23	159.23	159.21	159.19	
28	159.19	159.20	159.19	159.38	159.45	159.49	159.26	159.20	159.23	159.23	159.21	159.17	
29	159.19	159.19	159.19	159.37	159.43	159.44	159.25	159.32	159.23	159.24		159.17	
30	159.19	159.19	159.19	159.36	159.41	159.42	159.25	159.24	159.23	159.24		159.17	
31		159.19		159.38	159.40		159.24		159.22	159.24		159.20	
Mean	159.20	159.20	159.20	159.31	159.49	159.45	159.37	159.28	159.23	159.23	159.23	159.20	
Max	159.32	159.30	159.36	159.61	159.99	159.68	159.59	159.49	159.27	159.25	159.26	159.23	159.99
Min	159.18	159.17	159.19	159.19	159.36	159.35	159.24	159.20	159.20	159.21	159.20	159.17	159.17
Annual Max Momentary Gage Height	160.48	m. (MSL.) ,			at 09.00 Hours , on Aug 21, 2022								
Zero Gage at Bottom Elevation		157.27	m. (MSL.) ,			River Bed	157.75	m. (MSL)					
Left Bank Elevation		167.50	m. (MSL.) ,										
Right Bank Elevation		167.49	m. (MSL.) ,			Drainage Are	351	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	4.76	1.10	1.10	1.10	6.28	24.92	8.30	2.32	2.32	1.76	0.24	0.19		
2	2.88	0.90	1.10	1.10	7.42	17.76	18.38	2.60	2.04	1.76	0.24	0.19		
3	2.32	0.90	1.10	1.20	8.80	14.04	17.14	2.60	1.48	1.76	0.24	0.20		
4	1.76	0.90	1.20	1.10	8.30	10.80	15.28	2.32	1.20	1.48	0.23	0.22		
5	1.20	0.90	1.48	1.20	7.42	7.80	11.80	2.32	1.76	1.48	0.24	0.22		
6	1.10	0.90	1.10	1.10	7.42	7.42	12.30	2.04	1.48	1.48	0.24	0.22		
7	1.00	0.90	1.48	1.10	7.04	7.04	14.66	2.32	1.20	1.48	0.24	0.22		
8	1.00	0.90	1.48	1.20	19.74	7.80	10.30	3.44	2.04	1.48	0.25	0.21		
9	1.10	0.90	1.76	1.20	21.22	9.80	8.30	2.88	2.32	1.76	0.26	0.21		
10	1.10	0.90	1.48	1.20	12.80	8.80	11.30	2.04	2.04	2.32	0.25	0.21		
11	1.10	1.10	1.48	1.20	12.30	11.80	8.80	2.04	2.32	0.25	0.25	0.21		
12	1.10	1.10	1.20	1.20	23.44	15.28	7.04	1.76	2.04	0.25	0.25	0.22		
13	1.10	1.10	1.20	1.20	15.90	14.66	6.66	1.76	2.32	0.24	0.25	0.23		
14	1.00	1.10	1.48	2.04	10.80	11.30	5.90	2.04	1.76	0.24	0.24	0.22		
15	1.00	1.10	6.28	17.76	10.30	10.80	5.52	2.32	2.04	0.24	0.24	0.22		
16	1.10	1.10	2.32	6.66	10.80	10.80	5.52	12.30	2.04	0.24	0.24	0.21		
17	1.20	1.10	1.10	5.14	11.30	9.80	4.76	7.04	2.32	0.24	0.24	0.20		
18	1.10	3.44	1.10	4.38	9.30	8.30	4.38	5.90	2.88	0.23	0.23	0.20		
19	1.20	4.00	1.10	5.90	8.30	7.80	4.38	5.52	3.16	0.25	0.23	0.20		
20	2.04	3.16	1.10	3.72	7.42	7.80	4.00	4.38	2.60	0.24	0.23	0.20		
21	1.00	2.32	1.10	3.16	50.10	7.80	4.38	4.00	2.32	0.24	0.23	0.19		
22	1.00	2.04	1.10	7.80	31.72	5.90	4.38	5.14	2.32	0.24	0.23	0.19		
23	1.00	2.32	1.10	19.74	17.76	6.28	5.14	5.14	2.04	0.23	0.23	0.18		
24	1.10	2.32	1.10	14.66	14.04	8.30	4.38	4.00	2.32	0.23	0.21	0.18		
25	1.10	1.20	1.10	9.30	13.42	9.30	3.44	3.72	2.60	0.23	0.20	0.19		
26	1.10	1.20	1.10	7.80	11.80	10.30	2.88	3.72	2.60	0.24	0.21	0.19		
27	1.10	1.20	1.10	7.80	11.30	11.80	2.88	2.04	2.04	0.23	0.21	0.19		
28	1.10	1.20	1.10	7.04	10.30	12.30	2.88	1.20	2.04	0.23	0.21	0.17		
29	1.10	1.10	1.10	6.66	9.30	9.80	2.60	4.76	2.04	0.24		0.17		
30	1.10	1.10	1.10	6.28	8.30	8.80	2.60	2.32	2.04	0.24		0.17		
31		1.10		7.04	7.80		2.32		1.76	0.24		0.20		
Total	40.86	44.60	42.64	157.98	412.14	315.10	222.60	105.98	65.48	21.77	6.56	6.22	1441.93	CMSDAY
Mean	1.36	1.44	1.42	5.10										

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.44	11.04	6.73	106.30	22.20	25.80	24.00	12.00	10.56	4.10	1.70	1.55	
2	2.12	13.20	6.26	30.00	23.40	22.80	32.60	11.52	4.80	4.10	1.70	1.40	
3	1.93	13.80	5.79	31.30	27.60	22.20	44.75	11.04	4.45	4.10	1.70	1.40	
4	1.55	7.68	5.32	28.80	28.20	21.60	35.20	11.04	4.10	3.75	1.70	1.40	
5	1.36	5.32	4.85	20.40	27.00	22.20	29.40	10.56	3.75	3.75	1.55	1.40	
6	1.36	4.38	3.44	15.60	26.40	23.40	28.20	10.08	7.45	3.75	1.70	1.25	
7	0.55	3.91	2.31	23.40	28.80	22.80	28.80	10.08	7.45	3.40	1.70	1.40	
8	0.55	5.32	2.12	31.95	79.80	24.60	28.80	9.60	6.15	3.40	1.70	1.25	
9	0.55	4.85	2.12	22.80	88.95	39.50	28.80	9.12	5.15	3.75	1.70	1.10	
10	0.55	4.38	2.31	31.30	51.50	25.80	31.30	8.64	5.15	3.75	1.55	1.25	
11	1.36	4.38	2.31	33.25	51.50	25.20	35.85	8.16	5.15	3.75	1.55	1.25	
12	1.17	9.12	2.12	29.40	150.60	28.20	30.65	9.60	5.15	4.10	1.55	1.25	
13	0.55	10.56	2.12	33.90	132.00	58.25	25.80	8.64	4.80	4.80	1.70	1.25	
14	0.55	10.08	2.12	79.00	90.65	42.50	22.80	8.64	4.80	4.80	1.70	1.40	
15	0.55	7.20	2.31	64.60	70.20	41.00	21.00	9.60	5.15	4.45	1.70	1.40	
16	0.45	9.12	3.44	33.90	76.60	41.00	21.00	9.60	5.15	3.40	1.70	1.40	
17	0.40	10.08	6.73	25.20	54.50	34.55	21.60	10.56	5.15	2.70	1.70	1.40	
18	0.98	11.52	5.79	21.60	42.50	35.85	20.40	10.08	5.15	2.35	1.85	1.40	
19	2.31	9.12	4.38	20.40	38.00	39.50	18.60	10.08	5.15	1.85	1.85	1.55	
20	2.12	7.68	3.91	17.40	33.90	33.90	17.40	10.08	4.80	2.35	1.85	1.55	
21	2.31	8.64	2.31	21.60	113.50	34.55	16.80	10.56	4.45	3.40	1.85	1.55	
22	2.50	16.80	2.50	27.00	162.60	28.20	16.20	9.60	4.45	3.40	1.85	1.40	
23	3.44	20.40	2.12	35.85	90.65	34.55	16.20	9.12	4.10	3.40	2.00	0.80	
24	2.12	13.20	2.31	38.75	62.20	48.50	16.20	8.64	4.45	3.40	1.85	0.46	
25	2.12	10.08	5.79	32.60	66.20	41.00	15.60	8.64	4.45	3.40	1.70	0.46	
26	4.38	8.16	3.44	23.40	47.00	41.75	15.00	9.12	4.45	3.05	1.70	0.46	
27	2.12	6.73	2.50	20.40	39.50	40.25	14.40	9.60	4.45	3.05	1.70	0.47	
28	1.93	5.79	2.50	18.00	35.20	29.40	15.00	9.12	4.45	2.70	1.70	0.47	
29	1.93	4.85	2.97	18.60	31.95	26.40	15.60	9.12	4.45	1.85		0.47	
30	1.74	5.79	11.52	19.80	26.40	23.40	15.00	9.12	4.45	1.85		0.47	
31		5.32		19.80	26.40		14.40		4.10	1.70		0.47	
Total	48.99	268.50	114.44	976.30	1845.90	978.65	717.35						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.84	11.57	33.40	6.66	63.00	159.38	429.20	52.50	30.40	8.80	2.74	0.82		
2	5.04	16.26	29.20	7.84	72.75	309.55	669.60	44.80	31.00	8.80	2.96	0.88		
3	26.80	18.22	29.20	34.60	84.40	283.10	802.40	47.80	28.60	8.80	2.52	0.58		
4	23.84	15.77	30.40	121.55	94.83	169.20	817.10	47.20	27.40	9.12	2.17	0.37		
5	18.22	25.60	32.20	75.75	121.55	127.50	692.00	43.00	23.84	9.12	2.17	0.31		
6	15.77	41.20	32.20	44.20	124.95	104.73	472.60	38.20	22.68	9.12	2.30	0.34		
7	13.13	37.00	26.80	53.90	116.45	102.25	418.00	42.40	22.68	8.80	2.30	0.46		
8	11.57	31.00	22.68	50.40	136.85	110.50	326.80	37.60	22.10	8.48	1.78	0.76		
9	11.18	27.40	20.36	36.40	231.35	211.55	253.20	35.80	21.52	8.48	1.91	0.76		
10	11.57	23.26	16.26	111.35	425.00	319.90	229.05	35.80	19.78	6.93	2.04	0.76		
11	9.44	27.40	13.91	96.48	537.50	506.20	244.00	32.80	17.73	6.66	2.17	0.76		
12	8.80	31.00	15.28	71.25	371.80	661.60	203.15	35.80	16.26	6.39	2.30	0.76		
13	9.12	23.26	15.77	84.40	467.00	677.60	191.00	33.40	13.52	6.39	2.52	0.82		
14	8.16	25.60	13.52	72.75	485.20	518.80	166.50	27.40	13.91	6.66	2.52	0.64		
15	6.66	28.60	12.74	146.25	443.20	436.20	160.25	34.60	13.13	6.66	2.30	0.46		
16	6.12	35.80	14.79	215.75	331.40	383.00	150.63	31.60	14.79	6.66	1.65	0.37		
17	5.85	44.80	17.24	226.75	383.00	272.75	135.15	35.80	14.79	6.93	1.13	0.31		
18	6.39	68.25	17.24	171.90	333.70	222.15	103.08	43.60	13.52	6.93	0.88	0.46		
19	6.93	276.20	16.26	98.95	263.55	190.00	95.65	48.40	12.74	2.30	0.76	1.52		
20	6.66	275.05	16.26	97.30	189.00	183.00	82.80	47.20	12.74	2.74	0.88	1.00		
21	22.68	211.55	22.68	212.60	154.13	221.00	75.75	46.60	11.96	3.84	0.64	0.88		
22	41.20	134.30	19.78	268.15	250.90	224.45	75.75	38.80	12.35	2.17	0.64	1.13		
23	32.80	108.85	16.75	234.80	500.60	255.50	66.00	40.00	11.57	2.74	0.46	1.13		
24	26.80	146.25	17.24	319.90	768.80	264.70	62.30	34.60	10.79	3.84	0.46	0.94		
25	19.20	171.00	13.52	324.50	596.00	329.10	73.50	34.60	10.08	3.62	0.40	0.70		
26	15.77	120.70	12.35	232.50	378.80	398.40	72.75	34.00	10.08	3.62	0.40	0.31		
27	15.77	79.60	11.96	142.80	356.80	492.20	63.00	31.60	9.76	3.40	0.70	1.00		
28	15.28	60.20	11.57	91.60	301.50	455.80	60.90	31.60	9.76	2.74	0.52	3.84		
29	13.13	50.40	11.96	72.75	219.95	363.40	55.30	26.20	9.44	2.17		9.12		
30	11.96	42.40	9.12	56.00	173.70	273.90	53.20	28.00	9.44	2.30		8.80		
31		38.20		53.90	140.25		47.80		9.12	2.17		8.16		
Total	429.68	2246.69	572.64	3833.93	9117.91	9227.41	7348.41	1141.70	507.48	177.38	44.22	49.15	34696.60	CMSDAY
Mean	14.32	72.47	19.09	123.68	294.13	307.58	237.05	38.06	16.37	5.72	1.58	1.59	95.06	CMS
Max	41.20	276.20	33.40	324.50	768.80	677.60	817.10	52.50	31.00	9.12	2.96	9.12	817.10	CMS
Min	3.84	11.57	9.12	6.66	63.00	102.25	47.80	26.20	9.12	2.17	0.40	0.31	0.31	CMS
Runoff	37.12	194.11	49.48	331.25	787.79	797.25	634.90	98.64	43.85	15.33	3.82	4.25	2997.79	MCM
Momentary Peak	839.20 CMS. at 101.36 m. (MSL.) at 21.00 Hours , on Oct 3, 2022													
Runoff Yield	9.26	Liters/Second/Square KM.			Momentary Peak Yield		81.75	Liters/Second/Square KM.						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.03	0.03	1.46	0.95	3.00	6.55	5.79	1.62	1.38	0.30	0.09	0.09	
2	0.04	0.02	1.54	1.30	3.72	7.31	15.24	1.62	1.09	0.30	0.09	0.09	
3	0.04	0.02	1.46	1.86	11.18	5.46	20.86	1.62	1.16	0.30	0.09	0.09	
4	0.03	0.02	1.30	1.86	10.13	5.18	20.24	1.54	1.02	0.30	0.09	0.09	
5	0.03	0.02	1.09	2.91	7.70	4.62	18.72	1.38	0.95	0.20	0.09	0.09	
6	0.03	0.03	0.55	1.70	7.90	5.04	12.70	1.46	0.88	0.20	0.09	0.09	
7	0.03	0.03	0.67	1.16	6.74	3.84	10.97	1.23	0.88	0.20	0.09	0.09	
8	0.03	0.06	0.40	1.86	9.10	4.20	9.71	1.23	0.88	0.20	0.10	0.09	
9	0.03	0.06	0.60	1.62	17.88	4.90	9.10	1.09	0.74	0.20	0.10	0.09	
10	0.03	0.05	0.60	3.24	15.24	4.62	12.48	1.09	0.60	0.35	0.10	0.09	
11	0.02	0.08	0.60	13.14	7.90	9.50	8.90	1.30	0.50	0.30	0.09	0.09	
12	0.02	3.96	0.60	6.36	24.58	15.96	6.36	1.02	0.55	0.30	0.09	0.09	
13	0.02	4.08	0.60	6.36	12.70	17.60	5.60	1.02	0.45	0.30	0.09	0.09	
14	0.02	2.64	0.40	15.72	12.70	13.58	6.36	1.02	0.60	0.25	0.09	0.09	
15	0.02	2.28	0.45	12.70	9.10	9.92	5.60	1.23	0.45	0.10	0.09	0.09	
16	0.02	1.23	0.55	7.90	8.30	8.90	5.04	4.90	0.50	0.10	0.09	0.09	
17	0.02	20.86	0.67	5.60	7.50	7.50	4.20	3.00	0.50	0.10	0.09	0.09	
18	0.03	22.41	2.02	4.48	7.50	5.79	3.96	2.73	0.55	0.15	0.09	0.09	
19	0.02	8.50	2.10	3.12	6.17	5.79	3.60	2.55	0.50	0.20	0.09	0.09	
20	0.02	7.70	2.02	2.82	5.18	5.98	3.24	2.28	0.50	0.15	0.09	0.09	
21	0.03	3.48	1.38	3.48	8.70	7.12	3.12	2.37	0.55	0.20	0.09	0.09	
22	0.02	3.48	1.38	10.97	13.14	5.32	2.55	2.55	0.55	0.20	0.09	0.09	
23	0.02	11.82	1.02	19.00	8.70	7.70	2.37	1.86	0.45	0.20	0.09	0.09	
24	0.02	10.34	0.88	14.04	6.93	9.50	2.37	1.54	0.55	0.20	0.09	0.09	
25	0.02	4.90	0.74	9.92	5.60	11.82	2.37	1.38	0.45	0.09	0.09	0.09	
26	0.02	4.20	0.74	6.55	6.74	10.13	2.46	2.19	0.40	0.06	0.09	0.09	
27	0.02	3.24	1.02	5.32	5.46	9.10	2.10	1.78	0.35	0.09	0.09	0.09	
28	0.02	2.91	1.02	3.36	5.18	9.30	2.10	1.62	0.40	0.10	0.09	0.09	
29	0.02	2.64	1.02	3.84	5.18	6.17	1.94	1.62	0.40	0.10		0.09	
30	0.02	2.28	0.95	3.12	4.20	5.18	1.86	1.38	0.40	0.10		0.09	
31		1.78		3.24	4.62		1.30		0.35	0.10		0.09	
Total	0.74	125.15	29.83	179.50	268.67	233.58	213.21	53.22	19.53	5.94	2.55	2.79	1134.71
Mean	0.02												

WATER YEAR : 2022**YOM RIVER BASIN****Yom River at Ban Tha Tako , Phichit (Y.42)**

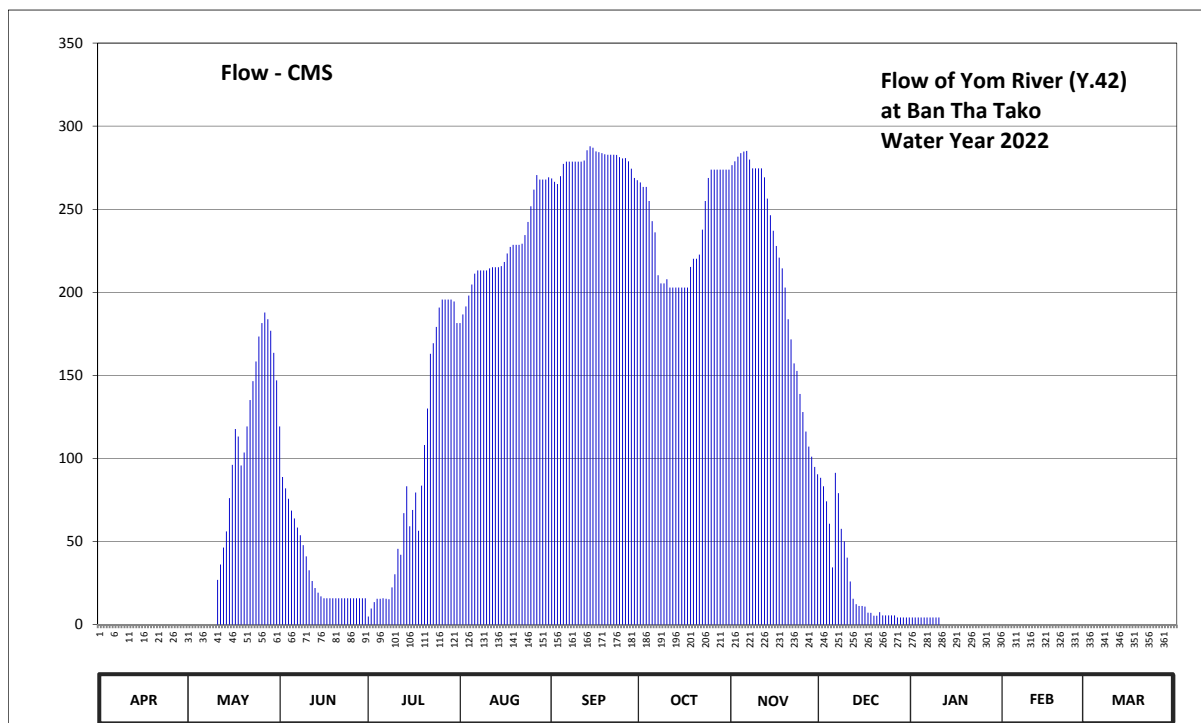
Lat 16 - 18 - 39 N Long 100 - 16 - 18 E

Location : on left bank at Ban Tha Tako

	Ban	Tha Tako	Amphoe	Pho Prathap Chang	Changwat	Phichit
Drainge Area	22,808	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+0.000	m. (A.D.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the gage observers house.				Elevation	+8.000 m. (A.D.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	2011 to date					
Rating Operation						
Period of Rating	2011 to date					
Rated by Float	-					
Rated by Current Meter	2011 to date					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good.Stage-discharge relation defined by 17 discharge measurements made in 2022.					

Gage Height in Meter (A.D.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.29	0.37	4.56	1.46	5.69	7.06	8.15	8.03	3.91	1.43	1.43	1.43	
2	0.23	0.37	3.92	1.71	5.78	7.03	8.17	7.97	3.79	1.43	1.43	1.43	
3	0.19	0.37	3.76	1.86	5.86	7.01	8.17	7.84	3.57	1.43	1.43	1.43	
4	0.17	0.37	3.61	1.93	5.97	7.08	8.23	7.70	3.23	1.43	1.43	1.43	
5	0.17	0.37	3.43	1.93	6.08	7.19	8.31	7.56	2.51	1.43	1.43	1.43	
6	0.18	0.37	3.31	1.94	6.19	7.21	8.35	7.32	3.98	1.43	1.43	1.43	
7	0.18	0.37	3.17	1.93	6.22	7.21	8.47	7.23	3.69	1.43	1.43	1.43	
8	0.18	0.52	3.05	1.92	6.22	7.21	8.49	7.15	3.15	1.43	1.43	1.43	
9	0.18	0.65	2.89	2.15	6.22	7.21	8.49	7.15	2.95	1.43	1.43	1.43	
10	0.18	0.83	2.70	2.39	6.22	7.21	8.48	7.15	2.68	1.43	1.43	1.48	
11	0.21	2.29	2.46	2.83	6.24	7.21	8.50	7.15	2.26	1.43	1.43	1.61	
12	0.28	2.56	2.27	2.73	6.25	7.22	8.50	7.07	1.93	1.43	1.43	1.60	
13	0.35	2.85	2.14	3.39	6.25	7.33	8.50	6.88	1.82	1.43	1.43	1.58	
14	0.38	3.11	2.05	3.79	6.25	7.40	8.50	6.73	1.78	1.43	1.43	1.58	
15	0.38	3.62	1.98	3.19	6.26	7.43	8.50	6.59	1.78	1.43	1.43	1.58	
16	0.38	4.09	1.94	3.44	6.30	7.54	8.50	6.45	1.76	1.43	1.43	1.58	
17	0.38	4.53	1.94	3.70	6.38	7.63	8.50	6.34	1.60	1.43	1.43	1.52	
18	0.38	4.44	1.94	3.12	6.44	7.70	8.45	6.24	1.59	1.43	1.43	1.46	
19	0.38	4.08	1.94	3.80	6.46	7.75	8.43	6.05	1.49	1.43	1.43	1.44	
20	0.38	4.25	1.94	4.34	6.46	7.77	8.43	5.73	1.49	1.43	1.43	1.44	
21	0.38	4.56	1.94	4.77	6.46	7.77	8.42	5.52	1.61	1.43	1.43	1.43	
22	0.40	4.87	1.94	5.37	6.47	7.77	8.34	5.27	1.50	1.43	1.43	1.43	
23	0.40	5.08	1.94	5.48	6.55	7.78	8.23	5.19	1.50	1.43	1.43	1.40	
24	0.40	5.29	1.94	5.65	6.67	7.86	8.13	4.94	1.50	1.43	1.43	1.39	
25	0.42	5.55	1.94	5.85	6.81	7.90	8.08	4.73	1.50	1.43	1.43	1.38	
26	0.43	5.69	1.94	5.93	6.96	7.89	8.08	4.50	1.50	1.43	1.43	1.37	
27	0.43	5.80	1.94	5.93	7.09	7.97	8.08	4.32	1.43	1.43	1.43	1.36	
28	0.43	5.73	1.94	5.93	7.05	8.07	8.08	4.20	1.43	1.43	1.43	1.35	
29	0.43	5.61	1.94	5.93	7.05	8.13	8.08	4.06	1.43	1.43		1.30	
30	0.43	5.38	1.94	5.91	7.05	8.14	8.08	3.96	1.43	1.43		1.29	
31		5.09		5.69	7.07		8.08		1.43	1.43		1.28	
Mean	0.32	3.20	2.48	3.74	6.42	7.52	8.32	6.23	2.17	1.43	1.43	1.44	
Max	0.43	5.80	4.56	5.93	7.09	8.14	8.50	8.03	3.98	1.43	1.43	1.61	8.50
Min	0.17	0.37	1.94	1.46	5.69	7.01	8.08	3.96	1.43	1.43	1.43	1.28	0.17
Annual Max Momentary Gage Height	7.40		m. (A.D.) ,			at 08.00 Hours , on Sep 14, 2022							
Zero Gage at Bottom Elevation	0.00		m. (A.D.) ,			River Bed	1.04	m. (A.D.)					
Left Bank Elevation		8.92	m. (A.D.) ,										
Right Bank Elevation		9.02	m. (A.D.) ,			Drainage Are	22,808	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	119.28	4.92	181.52	268.52	266.15	276.51	88.43	4.41	0.00	0.00		
2	0.00	0.00	88.86	9.78	186.74	266.51	263.49	278.85	83.29	4.41	0.00	0.00		
3	0.00	0.00	82.04	13.57	191.50	265.17	263.49	281.68	74.22	4.41	0.00	0.00		
4	0.00	0.00	75.82	15.64	198.10	269.86	255.00	283.80	60.79	4.41	0.00	0.00		
5	0.00	0.00	68.69	15.64	204.70	277.32	242.82	284.70	34.50	4.41	0.00	0.00		
6	0.00	0.00	63.95	15.93	211.30	278.64	236.10	285.10	91.44	4.41	0.00	0.00		
7	0.00	0.00	58.46	15.64	213.18	278.64	210.34	279.92	79.14	4.41	0.00	0.00		
8	0.00	0.00	53.90	15.34	213.18	278.64	205.38	274.60	57.70	4.41	0.00	0.00		
9	0.00	0.00	47.93	22.43	213.18	278.64	205.38	274.60	50.15	4.41	0.00	0.00		
10	0.00	0.00	41.10	30.37	213.18	278.64	207.86	274.60	40.40	4.41	0.00	0.00		
11	0.00	27.02	32.77	45.71	214.46	278.64	202.90	274.60	26.01	0.00	0.00	0.00		
12	0.00	36.22	26.35	42.15	215.10	279.28	202.90	269.19	15.64	0.00	0.00	0.00		
13	0.00	46.45	22.11	67.11	215.10	285.45	202.90	256.46	12.39	0.00	0.00	0.00		
14	0.00	56.18	19.28	83.29	215.10	287.90	202.90	246.41	11.35	0.00	0.00	0.00		
15	0.00	76.23	17.11	59.22	215.74	287.03	202.90	237.05	11.35	0.00	0.00	0.00		
16	0.00	96.26	15.93	69.08	218.30	284.80	202.90	227.95	10.90	0.00	0.00	0.00		
17	0.00	117.77	15.93	79.55	223.42	284.29	202.90	220.86	7.30	0.00	0.00	0.00		
18	0.00	113.22	15.93	56.56	227.30	283.80	215.30	214.46	7.13	0.00	0.00	0.00		
19	0.00	95.82	15.93	83.70	228.60	283.10	220.26	202.90	5.43	0.00	0.00	0.00		
20	0.00	103.63	15.93	108.17	228.60	282.82	220.26	183.84	5.43	0.00	0.00	0.00		
21	0.00	119.28	15.93	130.06	228.60	282.82	222.74	171.66	7.53	0.00	0.00	0.00		
22	0.00	135.24	15.93	162.99	229.25	282.82	237.78	157.29	5.60	0.00	0.00	0.00		
23	0.00	146.52	15.93	169.34	234.45	282.68	255.00	152.74	5.60	0.00	0.00	0.00		
24	0.00	158.43	15.93	179.20	242.39	281.32	268.81	138.88	5.60	0.00	0.00	0.00		
25	0.00	173.40	15.93	190.90	251.77	280.60	273.86	128.00	5.60	0.00	0.00	0.00		
26	0.00	181.52	15.93	195.70	261.82	280.78	273.86	116.25	5.60	0.00	0.00	0.00		
27	0.00	187.90	15.93	195.70	270.53	278.85	273.86	107.16	4.41	0.00	0.00	0.00		
28	0.00	183.84	15.93	195.70	267.85	274.39	273.86	101.10	4.41	0.00	0.00	0.00		
29	0.00	176.88	15.93	195.70	267.85	268.81	273.86	94.94	4.41	0.00	0.00	0.00		
30	0.00	163.56	15.93	194.50	267.85	267.48	273.86	90.58	4.41	0.00	0.00	0.00		
31		147.09		181.52	269.19		273.86		4.41	0.00		0.00		
Total	0.00	2542.46	1056.60	2845.11	7019.85	8358.24	7333.48	6386.68	830.57	44.10	0.00	0.00	36417.09	CMSDAY
Mean	0.00	82.01	35.22	91.78	226.45	278.61	236.56	212.89	26.79	1.42	0.00	0.00	99.77	CMS
Max	0.00	187.90	119.28	195.70	270.53	287.90	273.86	285.10	91.44	4.41	0.00	0.00	287.90	CMS
Min	0.00	0.00	15.93	4.92	181.52	265.17	202.90	90.58	4.41	0.00	0.00	0.00	0.00	CMS
Runoff	0.00	219.67	91.29	245.82	606.52	722.15	633.61	551.81	71.76	3.81	0.00	0.00	3146.44	MCM
Momentary Peak	287.90 CMS. at 7.40 m. (A.D.) at 08.00 Hours , on Sep 14, 2022													
Runoff Yield	4.37	Liters/Second/Square KM.				Momentary Peak Yield				12.62	Liters/Second/Square KM.			

WATER YEAR : 2022**YOM RIVER BASIN****Yom River at Ban Bang Rakam , Phitsanulok (Y.64)**

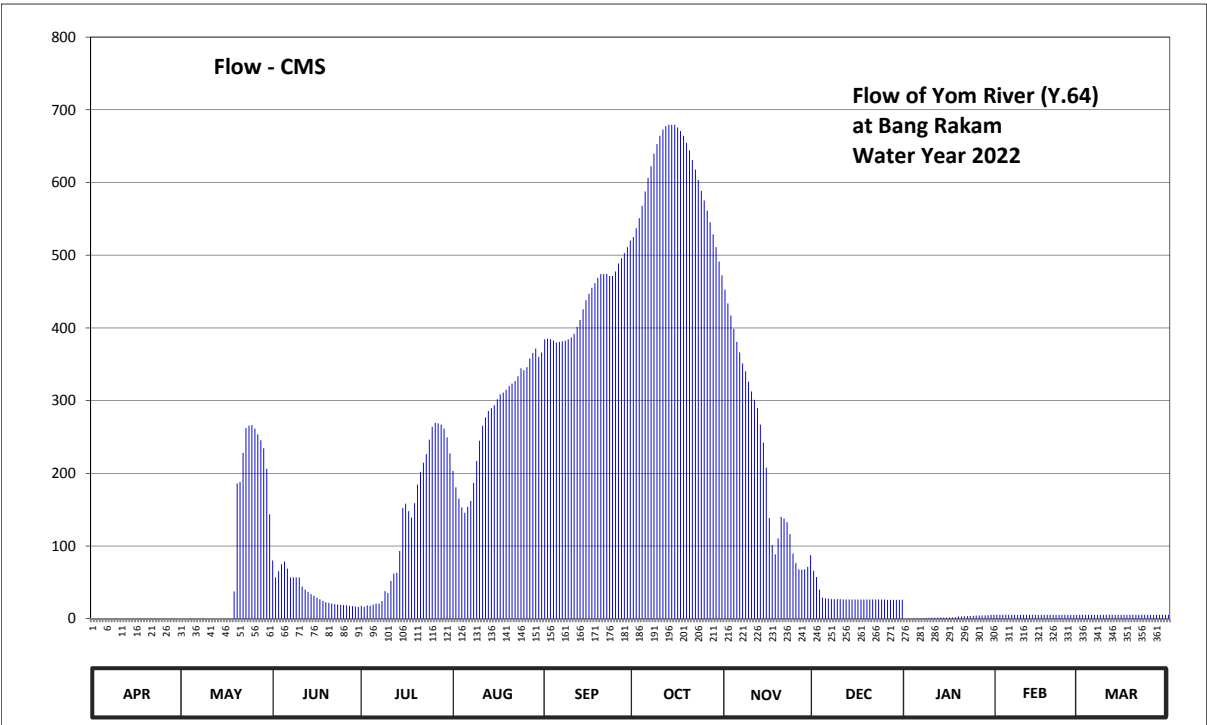
Lat 16 - 45 - 44 N Long 100 - 07 - 16 E

Location : on right bank at Bang Rakam

	Ban	Bang Rakam	Amphoe	Bang Rakam	Changwat	Phitsanulok
Drainge Area	20,822	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+32.514	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the gage observers house.				Elevation	+43.630 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2017 to date					
Rating Operation						
Period of Rating	2017 to date					
Rated by Float	-					
Rated by Current Meter	2017 to date					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	Overbank flow starts at elevation +39.250 m.(MSL.), records are channel flow only.					
General Description	Records good.Stage-discharge relation defined by 25 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	31.22	31.15	35.11	33.15	36.88	39.10	40.68	39.88	35.36	33.65	34.31	34.31	
2	31.22	31.15	34.63	33.08	36.58	39.11	40.81	39.67	35.27	33.74	34.31	34.31	
3	31.22	31.15	34.82	33.20	36.37	39.10	40.96	39.48	35.06	33.77	34.31	34.31	
4	31.22	31.15	35.01	33.16	36.21	39.08	41.14	39.27	34.88	33.78	34.31	34.31	
5	31.23	31.17	35.08	33.26	36.11	39.05	41.35	39.06	34.86	33.79	34.31	34.31	
6	31.23	31.17	34.89	33.35	36.22	39.06	41.55	38.89	34.85	33.80	34.31	34.31	
7	31.23	31.17	34.63	33.35	36.33	39.07	41.72	38.71	34.84	33.83	34.31	34.31	
8	31.23	31.17	34.63	33.55	36.66	39.08	41.90	38.58	34.84	33.88	34.31	34.31	
9	31.21	31.17	34.63	34.10	37.06	39.10	42.04	38.41	34.84	33.93	34.31	34.31	
10	31.21	31.16	34.63	34.01	37.41	39.13	42.16	38.25	34.84	33.98	34.31	34.31	
11	31.21	31.16	34.30	34.51	37.67	39.19	42.25	38.11	34.83	34.00	34.31	34.31	
12	31.21	31.16	34.18	34.75	37.81	39.30	42.30	37.97	34.83	34.01	34.31	34.31	
13	31.21	31.16	34.07	34.77	37.92	39.41	42.32	37.69	34.83	34.02	34.31	34.31	
14	31.21	31.16	33.95	35.34	37.97	39.58	42.32	37.38	34.83	34.03	34.31	34.31	
15	31.21	31.18	33.87	36.20	38.02	39.72	42.32	36.94	34.83	34.04	34.31	34.31	
16	31.21	31.18	33.76	36.28	38.12	39.82	42.28	36.01	34.83	34.05	34.31	34.31	
17	31.21	31.18	33.67	36.14	38.20	39.91	42.23	35.47	34.83	34.06	34.31	34.31	
18	31.22	31.18	33.58	36.02	38.23	39.98	42.16	35.26	34.83	34.07	34.31	34.31	
19	31.22	34.09	33.47	36.29	38.28	40.06	42.06	35.61	34.83	34.21	34.31	34.31	
20	31.22	36.65	33.41	36.63	38.34	40.12	41.95	36.03	34.83	34.21	34.31	34.31	
21	31.23	36.68	33.35	36.86	38.38	40.12	41.81	36.00	34.83	34.22	34.31	34.31	
22	31.23	37.20	33.31	37.03	38.42	40.12	41.67	35.93	34.83	34.23	34.31	34.31	
23	31.24	37.63	33.28	37.18	38.50	40.09	41.52	35.70	34.83	34.24	34.31	34.31	
24	31.24	37.67	33.25	37.43	38.63	40.09	41.36	35.28	34.83	34.25	34.31	34.31	
25	31.24	37.68	33.23	37.65	38.60	40.16	41.22	35.04	34.83	34.26	34.31	34.31	
26	31.17	37.62	33.21	37.72	38.65	40.28	41.07	34.87	34.82	34.27	34.31	34.31	
27	31.17	37.52	33.15	37.71	38.79	40.36	40.90	34.86	34.82	34.28	34.31	34.31	
28	31.15	37.42	33.13	37.69	38.88	40.44	40.72	34.87	34.82	34.29	34.31	34.31	
29	31.15	37.28	33.10	37.62	38.95	40.53	40.53	35.41	34.82	34.30		34.31	
30	31.14	36.92	33.08	37.47	38.82	40.63	40.31	35.53	34.82	34.31		34.31	
31		36.08		37.19	38.89		40.10		34.82	34.31		34.31	
Mean	31.21	33.59	33.95	35.57	37.80	39.69	41.54	37.01	34.87	34.06	34.31	34.31	
Max	31.24	37.68	35.11	37.72	38.95	40.63	42.32	39.88	35.36	34.31	34.31	34.31	42.32
Min	31.14	31.15	33.08	33.08	36.11	39.05	40.10	34.86	34.82	33.65	34.31	34.31	31.14
Annual Max Momentary Gage Height	42.33		m. (MSL.) ,			at 17.00 Hours , on Oct 13, 2022							
Zero Gage at Bottom Elevation		32.51	m. (MSL.) ,			River Bed	30.34	m. (MSL.)					
Left Bank Elevation		40.18	m. (MSL.) ,										
Right Bank Elevation		39.24	m. (MSL.) ,			Drainage Are	20,822	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.25	0.15	80.23	17.60	203.30	384.30	524.86	452.50	66.00	0.10	5.30	5.30		
2	0.25	0.15	56.85	16.48	180.80	385.16	536.93	433.66	57.30	0.32	5.30	5.30		
3	0.25	0.15	65.49	18.40	165.05	384.30	550.94	416.98	40.20	0.41	5.30	5.30		
4	0.25	0.15	74.93	17.76	153.05	382.58	567.86	398.92	29.00	0.44	5.30	5.30		
5	0.28	0.17	78.64	19.36	145.78	380.00	587.60	380.86	28.00	0.47	5.30	5.30		
6	0.28	0.17	68.96	20.80	153.80	380.86	606.40	366.35	27.50	0.50	5.30	5.30		
7	0.28	0.17	56.85	20.80	162.05	381.72	622.40	351.14	27.00	0.65	5.30	5.30		
8	0.28	0.17	56.85	24.30	186.80	382.58	639.50	340.22	27.00	0.90	5.30	5.30		
9	0.23	0.17	56.85	37.85	217.04	384.30	652.80	325.94	27.00	1.15	5.30	5.30		
10	0.23	0.16	56.85	35.29	244.70	386.88	664.20	312.60	27.00	1.40	5.30	5.30		
11	0.23	0.16	44.25	52.04	265.50	392.04	672.75	301.12	26.50	1.50	5.30	5.30		
12	0.23	0.16	40.13	62.25	276.71	401.50	677.50	289.67	26.50	1.55	5.30	5.30		
13	0.23	0.16	37.00	63.15	285.62	410.96	679.40	267.10	26.50	1.60	5.30	5.30		
14	0.23	0.16	33.70	93.26	289.67	425.74	679.40	242.32	26.50	1.65	5.30	5.30		
15	0.23	0.18	31.62	152.30	293.74	438.10	679.40	207.80	26.50	1.70	5.30	5.30		
16	0.23	0.18	28.88	158.30	301.94	447.10	675.60	138.53	26.50	1.75	5.30	5.30		
17	0.23	0.18	26.81	147.95	308.50	455.20	670.85	101.39	26.50	1.80	5.30	5.30		
18	0.25	0.18	24.84	139.25	310.96	461.50	664.20	88.54	26.50	1.85	5.30	5.30		
19	0.25	37.57	22.86	159.05	315.06	468.70	654.70	110.57	26.50	3.20	5.30	5.30		
20	0.25	186.05	21.78	184.55	320.06	474.10	644.25	139.98	26.50	3.20	5.30	5.30		
21	0.28	188.30	20.80	201.80	323.42	474.10	630.95	137.80	26.50	3.40	5.30	5.30		
22	0.28	228.10	20.16	214.67	326.78	474.10	617.68	132.73	26.50	3.60	5.30	5.30		
23	0.30	262.30	19.68	226.52	333.50	471.40	603.58	116.60	26.50	3.80	5.30	5.30		
24	0.30	265.50	19.20	246.30	344.42	471.40	588.54	89.72	26.50	4.00	5.30	5.30		
25	0.30	266.30	18.88	263.90	341.90	477.70	575.38	76.52	26.50	4.20	5.30	5.30		
26	0.17	261.50	18.56	269.50	346.10	488.50	561.28	67.97	26.00	4.40	5.30	5.30		
27	0.17	253.50	17.60	268.70	357.86	495.70	545.30	67.47	26.00	4.60	5.30	5.30		
28	0.15	245.50	17.28	267.10	365.50	502.90	528.56	67.97	26.00	4.80	5.30	5.30		
29	0.15	234.42	16.80	261.50	371.45	511.06	511.06	71.30	26.00	5.00		5.30		
30	0.14	206.30	16.48	249.50	360.40	520.26	491.20	87.50	26.00	5.30		5.30		
31		143.60		227.31	366.35		472.30		26.00	5.30		5.30		
Total	7.18	2781.91	1149.81	4137.54	8617.81	13094.74	18777.37	6581.77	909.50	74.54	148.40	164.30	56444.87	CMSDAY
Mean	0.24	89.74	38.33	133.47	277.99	436.49	605.72	219.39	29.34	2.40	5.30	5.30	154.64	CMS
Max	0.30	266.30	80.23	269.50	371.45	520.26	679.40	452.50	66.00	5.30	5.30	5.30	679.40	CMS
Min	0.14	0.15	16.48	16.48	145.78	380.00	472.30	67.47	26.00	0.10	5.30	5.30	0.10	CMS
Runoff	0.62	240.36	99.34	357.48	744.58	1131.39	1622.36	568.66	78.58	6.44	12.82	14.20	4876.84	MCM
Momentary Peak	680.35 CMS. at 42.33 m. (MSL.) at 17.00 Hours , on Oct 13, 2022													
Runoff Yield	7.43		Liters/Second/Square KM.		Momentary Peak Yield		32.67		Liters/Second/Square KM.					

WATER YEAR : 2022

YOM RIVER BASIN

Nam Pi at Ban Phi Tai , Nan (Y.65)

Lat 18 - 52 - 38 N Long 100 - 26 - 20 E

Location : on right bank at the bridge on road.

	Ban Phi Tai	Amphoe Ban Luang	Changwat Nan
Drainge Area	129 sq.km.		
Type of Gage	Staff gage.		
Zero Gage at Bottom	+343.540 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank about 15 meters from the top staff gage.	Elevation	+349.644 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings		
Period of Available Gage Records	2018 to date		
Rating Operation			
Period of Rating	2018 to date		
Rated by Float	-		
Rated by Current Meter	2018 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. The islet situated of the gage site. Stage-discharge relation defined by 34 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	344.17	344.02	344.14	344.57	344.36	344.34	344.42	344.22	344.20	344.08	343.97	343.91	
2	344.14	344.16	344.12	344.45	344.42	344.32	344.61	344.21	344.20	344.09	344.06	343.90	
3	344.14	344.35	344.12	344.27	345.01	344.34	344.72	344.22	344.20	344.10	343.95	343.94	
4	344.12	344.17	344.11	344.18	344.59	344.32	344.73	344.22	344.19	344.10	344.04	343.97	
5	344.12	344.12	344.09	344.17	344.42	344.31	344.67	344.22	344.18	344.12	344.05	344.04	
6	344.11	344.10	344.10	344.22	344.40	344.40	344.70	344.22	344.15	344.12	344.09	344.04	
7	344.09	344.10	344.09	345.32	344.52	344.76	344.55	344.22	344.15	344.11	344.09	343.95	
8	344.09	344.12	344.08	344.72	345.78	344.51	344.49	344.21	344.15	344.11	344.09	343.92	
9	344.09	344.12	344.08	344.71	345.14	344.41	344.48	344.22	344.10	344.10	344.08	343.89	
10	344.09	344.15	344.09	345.01	344.76	344.37	344.42	344.22	344.13	344.09	344.05	343.89	
11	344.09	344.14	344.07	344.62	345.06	344.43	344.39	344.22	344.10	344.10	344.01	343.89	
12	344.09	344.15	344.01	344.47	345.55	344.65	344.35	344.22	344.10	344.12	344.09	343.89	
13	344.08	344.24	344.01	344.49	345.14	345.19	344.34	344.21	344.13	344.11	344.05	343.90	
14	344.04	344.22	343.99	344.64	344.84	344.83	344.34	344.21	344.12	344.11	343.97	343.91	
15	344.04	344.19	344.01	344.47	344.77	344.83	344.33	344.20	344.13	344.11	343.99	344.02	
16	343.99	344.19	343.99	344.37	344.83	344.62	344.34	344.23	344.16	344.10	344.04	344.09	
17	343.99	344.61	344.12	344.27	344.62	344.55	344.29	344.21	344.16	344.10	343.99	344.09	
18	343.99	344.52	344.13	344.20	344.55	344.50	344.25	344.20	344.14	344.10	344.06	344.09	
19	343.99	344.28	344.10	344.20	344.50	344.41	344.24	344.23	344.14	344.09	344.02	344.08	
20	344.10	344.24	344.11	344.36	344.48	344.40	344.24	344.21	344.14	344.09	344.08	344.05	
21	344.10	344.39	344.09	344.29	346.04	344.60	344.23	344.22	344.13	344.09	344.09	344.09	
22	344.14	344.51	344.09	344.31	344.74	344.44	344.24	344.21	344.13	344.09	344.06	344.09	
23	344.12	344.54	344.06	344.33	344.99	344.46	344.49	344.21	344.11	344.09	344.01	344.07	
24	344.11	344.33	343.99	344.38	344.70	344.59	344.27	344.20	344.12	344.10	344.07	343.98	
25	344.11	344.25	343.99	344.34	344.66	344.84	344.20	344.20	344.14	344.10	344.05	343.94	
26	344.10	344.21	343.99	344.27	344.59	344.67	344.19	344.20	344.14	344.10	343.94	343.92	
27	344.07	344.17	344.00	344.28	344.56	344.51	344.19	344.21	344.12	344.03	343.94	343.89	
28	344.00	344.14	343.94	344.22	344.47	344.44	344.21	344.20	344.12	343.93	343.94	343.89	
29	343.99	344.16	343.95	344.20	344.42	344.38	344.24	344.29	344.09	343.89		343.88	
30	343.99	344.16	344.06	344.37	344.37	344.34	344.24	344.22	344.09	343.89		343.87	
31		344.15		344.70	344.34		344.24		344.09	343.90		343.84	
Mean	344.08	344.23	344.06	344.43	344.76	344.53	344.38	344.22	344.14	344.07	344.03	343.97	
Max	344.17	344.61	344.14	345.32	346.04	345.19	344.73	344.29	344.20	344.12	344.09	344.09	346.04
Min	343.99	344.02	343.94	344.17	344.34	344.31	344.19	344.20	344.09	343.89	343.94	343.84	343.84
Annual Max Momentary Gage Height	346.64		m. (MSL.) ,			at 12.00 Hours , on Aug 21, 2022							
Zero Gage at Bottom Elevation	343.54		m. (MSL.) ,			River Bed	342.99	m. (MSL.)					
Left Bank Elevation		349.64		m. (MSL.) ,									
Right Bank Elevation		349.65		m. (MSL.) ,		Drainage Are	129	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.37	0.22	0.34	1.31	0.72	0.68	0.86	0.44	0.40	0.28	0.19	0.16	
2	0.34	0.36	0.32	0.95	0.86	0.64	1.45	0.42	0.40	0.29	0.26	0.15	
3	0.34	0.70	0.32	0.54	4.32	0.68	2.02	0.44	0.40	0.30	0.18	0.17	
4	0.32	0.37	0.31	0.38	1.37	0.64	2.08	0.44	0.39	0.30	0.24	0.19	
5	0.32	0.32	0.29	0.37	0.86	0.62	1.75	0.44	0.38	0.32	0.25	0.24	
6	0.31	0.30	0.30	0.44	0.80	0.80	1.90	0.44	0.35	0.32	0.29	0.24	
7	0.29	0.30	0.29	8.36	1.16	2.26	1.25	0.44	0.35	0.31	0.29	0.18	
8	0.29	0.32	0.28	2.02	16.94	1.13	1.07	0.42	0.35	0.31	0.29	0.16	
9	0.29	0.32	0.28	1.96	5.81	0.83	1.04	0.44	0.30	0.30	0.28	0.15	
10	0.29	0.35	0.29	4.32	2.26	0.74	0.86	0.44	0.33	0.29	0.25	0.15	
11	0.29	0.34	0.27	1.50	4.89	0.89	0.78	0.44	0.30	0.30	0.21	0.15	
12	0.29	0.35	0.21	1.01	12.00	1.65	0.70	0.44	0.30	0.32	0.29	0.15	
13	0.28	0.48	0.21	1.07	5.81	6.39	0.68	0.42	0.33	0.31	0.25	0.15	
14	0.24	0.44	0.20	1.60	2.82	2.74	0.68	0.42	0.32	0.31	0.19	0.16	
15	0.24	0.39	0.21	1.01	2.32	2.74	0.66	0.40	0.33	0.31	0.20	0.22	
16	0.20	0.39	0.20	0.74	2.74	1.50	0.68	0.46	0.36	0.30	0.24	0.29	
17	0.20	1.45	0.32	0.54	1.50	1.25	0.58	0.42	0.36	0.30	0.20	0.29	
18	0.20	1.16	0.33	0.40	1.25	1.10	0.50	0.40	0.34	0.30	0.26	0.29	
19	0.20	0.56	0.30	0.40	1.10	0.83	0.48	0.46	0.34	0.29	0.22	0.28	
20	0.30	0.48	0.31	0.72	1.04	0.80	0.48	0.42	0.34	0.29	0.28	0.25	
21	0.30	0.78	0.29	0.58	24.30	1.40	0.46	0.44	0.33	0.29	0.29	0.29	
22	0.34	1.13	0.29	0.62	2.14	0.92	0.48	0.42	0.33	0.29	0.26	0.29	
23	0.32	1.22	0.26	0.66	4.11	0.98	1.07	0.42	0.31	0.29	0.21	0.27	
24	0.31	0.66	0.20	0.76	1.90	1.37	0.54	0.40	0.32	0.30	0.27	0.19	
25	0.31	0.50	0.20	0.68	1.70	2.82	0.40	0.40	0.34	0.30	0.25	0.17	
26	0.30	0.42	0.20	0.54	1.37	1.75	0.39	0.40	0.34	0.30	0.17	0.16	
27	0.27	0.37	0.20	0.56	1.28	1.13	0.39	0.42	0.32	0.23	0.17	0.15	
28	0.20	0.34	0.17	0.44	1.01	0.92	0.42	0.40	0.32	0.17	0.17	0.15	
29	0.20	0.36	0.18	0.40	0.86	0.76	0.48	0.58	0.29	0.15		0.14	
30	0.20	0.36	0.26	0.74	0.74	0.68	0.48	0.44	0.29	0.15		0.14	
31		0.35		1.90	0.68		0.48		0.29	0.15		0.12	
Total	8.35	16.09	7.83	37.52	110.66	41.64	26.09	12.96	10.45	8.67	6.65	6.09	293.00
Mean	0.28	0.52	0.26	1.21	3.57	1.39	0.84	0.43	0.34	0.28			

WATER YEAR : 2022**NAN RIVER BASIN****Nan River at Forestry Office , Nan (N.1)**

Lat 18 - 46 - 30 N Long 100 - 46 - 47 E

Location : on right bank in front of Forestry Office.

	Ban	Forestry Office	Amphoe	Mueang	Changwat	Nan
Drainge Area	4,570	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+192.200 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On west side of automatic gage building.				Elevation	+199.868 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1922 - 1956 , 1962 to date					
Rating Operation						
Period of Rating	1954 - 1956 , 1979 to date					
Rated by 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 good. Stage-discharge relation defined by 39 discharge measurements made in 2022.					

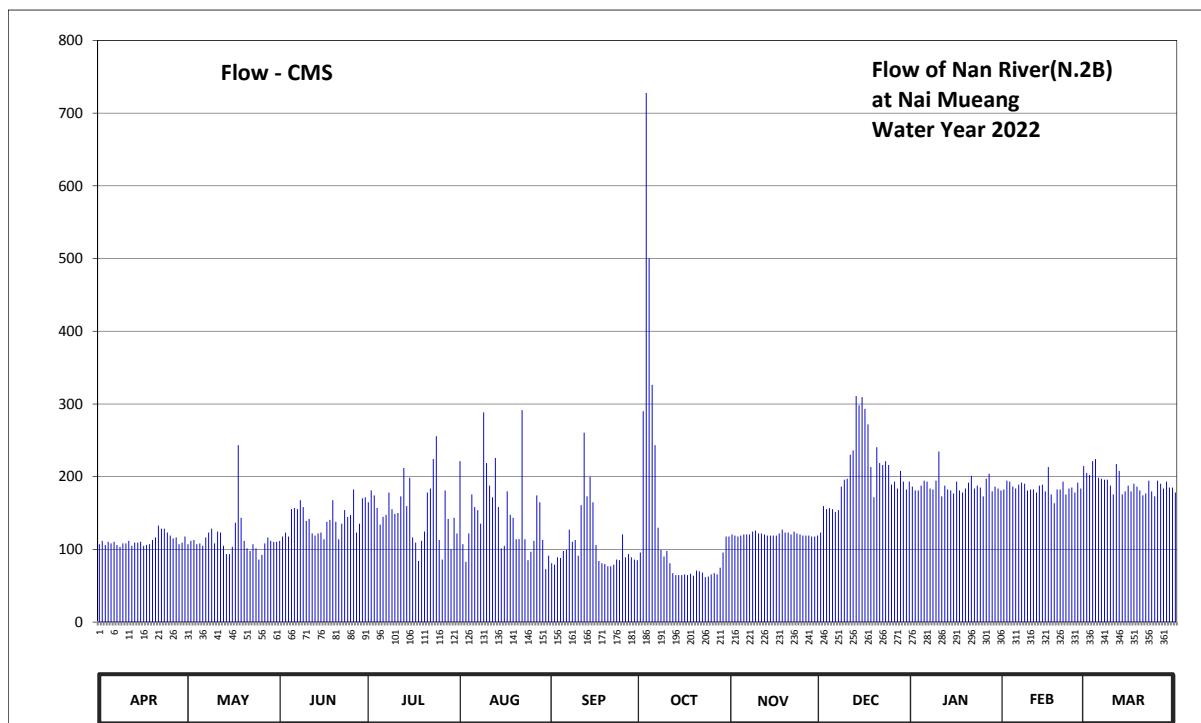
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	192.16	192.00	192.93	193.84	193.51	193.73	193.83	192.78	192.42	192.14	192.00	191.88	
2	192.18	192.21	192.69	194.60	193.25	193.63	194.69	192.74	192.40	192.14	192.00	191.87	
3	192.17	192.38	192.53	194.23	193.32	193.59	194.76	192.71	192.44	192.13	192.00	191.87	
4	192.12	192.27	192.40	194.63	193.30	193.48	194.34	192.68	192.39	192.11	192.00	191.87	
5	192.07	192.10	192.31	193.85	193.45	193.68	194.11	192.68	192.35	192.11	192.00	191.87	
6	192.02	192.04	192.27	193.38	193.28	194.52	193.98	192.67	192.32	192.08	192.00	191.87	
7	191.99	192.04	192.20	193.71	193.65	194.04	194.08	192.62	192.31	192.08	192.00	191.88	
8	191.98	192.22	192.16	194.13	194.28	193.73	193.98	192.60	192.30	192.08	191.99	191.88	
9	191.96	192.35	192.14	193.30	195.65	193.60	193.94	192.60	192.28	192.07	191.99	191.87	
10	191.96	192.32	192.12	193.20	194.63	193.81	194.04	192.58	192.28	192.07	191.99	191.87	
11	191.95	192.38	192.10	193.24	194.51	194.44	194.50	192.55	192.26	192.07	191.96	191.86	
12	191.94	192.43	192.10	193.59	196.86	194.47	194.04	192.54	192.26	192.08	191.95	191.87	
13	191.94	192.96	192.08	193.44	199.78	195.15	193.80	192.53	192.25	192.11	191.95	191.87	
14	191.93	192.74	192.07	194.19	198.26	194.80	193.66	192.51	192.25	192.12	191.94	191.86	
15	191.92	192.69	192.08	195.05	196.20	194.32	193.55	192.50	192.23	192.11	191.93	191.86	
16	191.90	192.52	194.16	194.72	195.32	194.31	193.45	192.53	192.23	192.08	191.93	191.87	
17	191.89	192.50	193.45	194.05	194.97	194.20	193.38	192.69	192.25	192.07	191.93	191.87	
18	191.89	192.82	192.98	193.66	194.57	194.04	193.28	192.58	192.25	192.06	191.93	191.86	
19	191.95	192.52	192.81	193.82	194.21	194.17	193.28	192.59	192.25	192.05	191.94	191.87	
20	192.07	192.36	192.62	194.54	193.97	193.93	193.18	192.54	192.24	192.04	191.95	191.86	
21	192.05	192.29	192.57	194.15	194.52	194.24	193.10	192.54	192.17	192.03	191.94	191.86	
22	192.21	192.84	192.42	194.52	196.82	194.03	193.05	192.55	192.17	192.03	191.94	191.86	
23	192.24	194.04	192.39	194.71	196.11	194.06	193.06	192.50	192.17	192.02	191.93	191.85	
24	192.16	193.28	192.35	194.85	194.97	194.51	193.01	192.47	192.17	192.02	191.92	191.84	
25	192.06	192.83	192.52	194.27	195.00	194.26	192.94	192.44	192.17	192.01	191.91	191.84	
26	192.05	192.61	192.44	193.87	194.59	194.19	192.93	192.48	192.16	192.01	191.89	191.80	
27	192.06	192.47	192.44	193.68	194.91	194.61	192.89	192.59	192.15	192.01	191.86	191.78	
28	192.05	192.38	192.46	193.48	194.71	194.19	192.92	192.55	192.15	192.01	191.86	191.79	
29	192.03	192.31	192.38	193.38	194.26	193.92	192.90	192.49	192.15	192.00		191.79	
30	191.99	192.28	192.50	193.28	194.11	193.73	192.84	192.45	192.14	192.00		191.79	
31		192.54		193.40	193.88		192.80		192.14	192.00		191.79	
Mean	192.03	192.51	192.49	193.96	194.87	194.11	193.56	192.58	192.25	192.06	191.95	191.85	
Max	192.24	194.04	194.16	195.05	199.78	195.15	194.76	192.78	192.44	192.14	192.00	191.88	199.78
Min	191.89	192.00	192.07	193.20	193.25	193.48	192.80	192.44	192.14	192.00	191.86	191.78	191.78
Annual Max Momentary Gage Height	199.95	m. (MSL.) ,		at 11.00 Hours , on Aug 13, 2022									
Zero Gage at Bottom Elevation		192.20	m. (MSL.) ,		River Bed		188.91	m. (MSL.)					
Left Bank Elevation		204.25	m. (MSL.) ,										
Right Bank Elevation		204.17	m. (MSL.) ,		Drainage Are		4,570	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.62	11.00	73.55	160.20	127.00	149.00	159.15	61.42	35.24	18.48	11.00	5.92	
2	20.76	22.50	54.35	249.00	101.75	139.00	260.70	58.26	34.00	18.48	11.00	5.63	
3	20.19	32.78	42.42	203.60	108.40	135.00	269.80	55.89	36.48	17.91	11.00	5.63	
4	17.34	26.10	34.00	252.90	106.50	124.00	216.80	53.60	33.39	16.77	11.00	5.63	
5	14.64	16.20	28.51	161.25	121.00	144.00	189.65	53.60	30.95	16.77	11.00	5.63	
6	12.04	13.08	26.10	114.10	104.60	239.00	174.90	52.85	29.12	15.16	11.00	5.63	
7	10.55	13.08	21.90	147.00	141.00	181.60	186.20	49.10	28.51	15.16	11.00	5.92	
8	10.10	23.10	19.62	191.95	209.60	149.00	174.90	47.60	27.90	15.16	10.55	5.92	
9	9.20	30.95	18.48	106.50	399.50	136.00	170.70	47.60	26.70	14.64	10.55	5.63	
10	9.20	29.12	17.34	97.00	252.90	157.05	181.60	46.12	26.70	14.64	10.55	5.63	
11	8.75	32.78	16.20	100.80	237.75	229.00	236.50	43.90	25.50	14.64	9.20	5.34	
12	8.30	35.86	16.20	135.00	606.80	232.75	181.60	43.16	25.50	15.16	8.75	5.63	
13	8.30	76.10	15.16	120.00	1203.60	324.50	156.00	42.42	24.90	16.77	8.75	5.63	
14	7.85	58.26	14.64	198.85	876.60	275.00	142.00	40.94	24.90	17.34	8.30	5.34	
15	7.40	54.35	15.16	309.50	488.00	214.40	131.00	40.20	23.70	16.77	7.85	5.34	
16	6.50	41.68	195.40	264.60	350.00	213.20	121.00	42.42	23.70	15.16	7.85	5.63	
17	6.21	40.20	121.00	182.75	297.95	200.00	114.10	54.35	24.90	14.64	7.85	5.63	
18	6.21	64.60	77.80	142.00	245.25	181.60	104.60	46.12	24.90	14.12	7.85	5.34	
19	8.75	41.68	63.80	158.10	201.20	196.55	104.60	46.86	24.90	13.60	8.30	5.63	
20	14.64	31.56	49.10	241.50	173.85	169.65	95.25	43.16	24.30	13.08	8.75	5.34	
21	13.60	27.30	45.38	194.25	239.00	204.80	88.25	43.16	20.19	12.56	8.30	5.34	
22	22.50	66.20	35.24	239.00	599.60	180.45	83.88	43.90	20.19	12.56	8.30	5.34	
23	24.30	181.60	33.39	263.30	471.80	183.90	84.75	40.20	20.19	12.04	7.85	5.05	
24	19.62	104.60	30.95	281.75	297.95	237.75	80.38	38.34	20.19	12.04	7.40	4.76	
25	14.12	65.40	41.68	208.40	302.00	207.20	74.40	36.48	20.19	11.52	6.95	4.76	
26	13.60	48.35	36.48	163.35	247.75	198.85	73.55	38.96	19.62	11.52	6.21	3.60	
27	14.12	38.34	36.48	144.00	289.85	250.30	70.20	46.86	19.05	11.52	5.34	3.14	
28	13.60	32.78	37.72	124.00	263.30	198.85	72.70	43.90	19.05	11.52	5.34	3.37	
29	12.56	28.51	32.78	114.10	207.20	168.60	71.00	39.58	19.05	11.00		3.37	
30	10.55	26.70	40.20	104.60	189								

	Ban	Nai Mueang	Amphoe	Mueang	Changwat	Uttaradit
Drainage Area	16,744	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+52.300	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the gage site.				Elevation	+63.138 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1993 to date					
Rating Operation						
Period of Rating	1993 to date					
Rated by Float	-					
Rated by Current Meter	1993 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 28 discharge measurements made in 2022.					

Gage Height in Meter (MSL.)														Water Year April 1, 2022 to March 31, 2023	
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	52.73	52.73	52.77	53.17	53.59	52.49	52.63	52.84	52.86	53.33	53.30	53.47		
	2	52.77	52.77	52.82	53.29	52.73	52.47	54.03	52.83	53.13	53.29	53.39	53.45		
	3	52.72	52.78	52.86	53.24	52.51	52.57	56.33	52.82	53.10	53.29	53.38	53.59		
	4	52.76	52.73	52.82	53.11	52.85	52.56	55.19	52.83	53.11	53.34	53.33	53.61		
	5	52.74	52.74	53.10	52.94	53.25	52.65	54.25	52.84	53.10	53.39	53.31	53.42		
	6	52.76	52.71	53.11	53.02	53.12	52.66	53.74	52.84	53.07	53.38	53.35	53.41		
	7	52.72	52.81	53.10	53.04	53.09	52.89	52.91	52.84	53.09	53.31	53.37	53.40		
	8	52.70	52.86	53.19	53.27	52.95	52.76	52.66	52.87	53.33	53.30	53.36	53.40		
	9	52.74	52.90	53.12	53.10	54.02	52.78	52.58	52.88	53.40	53.39	53.29	53.34		
	10	52.74	52.74	52.98	53.05	53.57	52.59	52.65	52.85	53.41	53.68	53.30	53.25		
	11	52.77	52.87	53.00	53.06	53.34	53.14	52.49	52.85	53.65	53.23	53.30	53.56		
	12	52.71	52.86	52.85	53.23	53.22	53.85	52.35	52.84	53.69	53.34	53.27	53.49		
	13	52.75	52.71	52.83	53.52	53.62	53.23	52.32	52.83	54.16	53.30	53.34	53.25		
	14	52.75	52.61	52.85	53.13	53.12	53.43	52.32	52.83	54.08	53.29	53.35	53.28		
	15	52.76	52.61	52.86	53.42	52.68	53.17	52.32	52.83	54.15	53.26	53.28	53.34		
	16	52.71	52.70	52.79	52.81	52.71	52.72	52.33	52.83	54.05	53.38	53.53	53.28		
	17	52.72	52.96	52.97	52.75	53.28	52.52	52.32	52.85	53.92	53.29	53.25	53.36		
	18	52.73	53.74	52.99	52.52	53.04	52.49	52.34	52.89	53.53	53.27	53.16	53.33		
	19	52.78	53.01	53.19	52.77	53.01	52.48	52.31	52.86	53.22	53.31	53.30	53.29		
	20	52.81	52.77	52.97	52.87	52.79	52.45	52.39	52.86	53.72	53.37	53.30	53.24		
	21	52.93	52.68	52.79	53.27	52.79	52.45	52.38	52.84	53.57	53.44	53.38	53.26		
	22	52.90	52.65	52.95	53.31	54.04	52.47	52.36	52.87	53.55	53.31	53.25	53.39		
	23	52.90	52.73	53.09	53.61	52.79	52.54	52.29	52.85	53.59	53.34	53.31	53.28		
	24	52.86	52.68	53.02	53.82	52.53	52.53	52.30	52.84	53.55	53.32	53.32	53.23		
	25	52.83	52.54	53.04	52.78	52.64	52.84	52.33	52.83	53.35	53.23	53.27	53.39		
	26	52.80	52.60	53.30	52.54	52.77	52.57	52.35	52.83	53.38	53.41	53.37	53.36		
	27	52.81	52.74	52.86	53.29	53.24	52.61	52.33	52.83	53.31	53.46	53.31	53.31		
	28	52.73	52.81	52.95	53.00	53.17	52.57	52.43	52.82	53.49	53.28	53.54	53.38		
	29	52.75	52.77	53.21	52.67	52.78	52.54	52.63	52.82	53.38	53.33		53.32		
	30	52.82	52.76	53.22	53.01	52.41	52.53	52.82	52.83	53.30	53.31		53.32		
31		52.76		52.85	52.59		52.82		53.38	53.29		53.27			
Mean	52.77	52.78	52.99	53.08	53.04	52.72	52.82	52.84	53.47	53.34	53.33	53.36			
Max	52.93	53.74	53.30	53.82	54.04	53.85	56.33	52.89	54.16	53.68	53.54	53.61	56.33		
Min	52.70	52.54	52.77	52.52	52.41	52.45	52.29	52.82	52.86	53.23	53.16	53.23	52.29		
Annual Max Momentary Gage Height			56.56	m. (MSL.) , at 11.00 Hours , on Oct 3, 2022											
Zero Gage at Bottom Elevation			52.30	m. (MSL.) , River Bed 49.17 m. (MSL.)											
Left Bank Elevation			59.82	m. (MSL.) ,											
Right Bank Elevation			60.59	m. (MSL.) , Drainage Are 16,744 Square Kilometers											



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	107.12	107.12	111.68	164.87	221.36	80.97	95.72	120.48	123.17	186.39	182.35	205.22		
2	111.68	111.68	117.79	181.01	107.12	78.91	290.03	119.14	159.49	181.01	194.46	202.53		
3	105.98	112.82	123.17	174.28	83.03	89.21	727.65	117.79	155.45	181.01	193.11	221.36		
4	110.54	107.12	117.79	156.80	121.83	88.18	500.38	119.14	156.80	187.73	186.39	224.18		
5	108.26	108.26	155.45	133.93	175.63	98.00	326.38	120.48	155.45	194.46	183.70	198.49		
6	110.54	104.84	156.80	144.69	158.14	99.14	243.42	120.48	151.42	193.11	189.08	197.15		
7	105.98	116.45	155.45	147.38	154.11	127.21	129.90	120.48	154.11	183.70	191.77	195.80		
8	103.70	123.17	167.56	178.32	135.28	110.54	99.14	124.52	186.39	182.35	190.42	195.80		
9	108.26	128.55	158.14	155.45	288.42	112.82	90.24	125.86	195.80	194.46	181.01	187.73		
10	108.26	108.26	139.31	148.73	218.67	91.27	98.00	121.83	197.15	234.54	182.35	175.63		
11	111.68	124.52	142.00	150.07	187.73	160.83	80.97	121.83	230.10	172.94	182.35	217.32		
12	104.84	123.17	121.83	172.94	171.59	260.53	67.25	120.48	236.02	187.73	178.32	207.91		
13	109.40	104.84	119.14	211.94	225.66	172.94	64.58	119.14	310.96	182.35	187.73	175.63		
14	109.40	93.44	121.83	159.49	158.14	199.84	64.58	119.14	298.08	181.01	189.08	179.66		
15	110.54	93.44	123.17	198.49	101.42	164.87	64.58	119.14	309.35	176.97	179.66	187.73		
16	104.84	103.70	113.96	116.45	104.84	105.98	65.47	119.14	293.25	193.11	213.29	179.66		
17	105.98	136.62	137.97	109.40	179.66	84.06	64.58	121.83	272.04	181.01	175.63	190.42		
18	107.12	243.42	140.66	84.06	147.38	80.97	66.36	127.21	213.29	178.32	163.52	186.39		
19	112.82	143.35	167.56	111.68	143.35	79.94	63.69	123.17	171.59	183.70	182.35	181.01		
20	116.45	111.68	137.97	124.52	113.96	76.85	70.81	123.17	240.46	191.77	182.35	174.28		
21	132.59	101.42	113.96	178.32	113.96	76.85	69.92	120.48	218.67	201.18	193.11	176.97		
22	128.55	98.00	135.28	183.70	291.64	78.91	68.14	124.52	215.98	183.70	175.63	194.46		
23	128.55	107.12	154.11	224.18	113.96	86.12	61.91	121.83	221.36	187.73	183.70	179.66		
24	123.17	101.42	144.69	255.59	85.09	85.09	62.80	120.48	215.98	185.04	185.04	172.94		
25	119.14	86.12	147.38	112.82	96.86	120.48	65.47	119.14	189.08	172.94	178.32	194.46		
26	115.10	92.30	182.35	86.12	111.68	89.21	67.25	119.14	193.11	197.15	191.77	190.42		
27	116.45	108.26	123.17	181.01	174.28	93.44	65.47	119.14	183.70	203.87	183.70	183.70		
28	107.12	116.45	135.28	142.00	164.87	89.21	74.79	117.79	207.91	179.66	214.63	193.11		
29	109.40	111.68	170.25	100.28	112.82	86.12	95.72	117.79	193.11	186.39		185.04		
30	117.79	110.54	171.59	143.35	72.73	85.09	117.79	119.14	182.35	183.70		185.04		
31		110.54		121.83	91.27		117.79		193.11	181.01		178.32		
Total	3371.25	3550.30	4207.29	4753.70	4626.48	3253.58	4140.78	3623.90	6424.73	5810.04	5214.82	5918.02	54894.89	CMSDAY
Mean	112.38	114.53	140.24	153.35	149.24	108.45	133.57	120.80	207.25	187.42	186.24	190.90	150.40	CMS
Max	132.59	243.42	182.35	255.59	291.64	260.53	727.65	127.21	310.96	234.54	214.63	224.18	727.65	CMS
Min	103.70	86.12	111.68	84.06	72.73	76.85	61.91	117.79	123.17	172.94	163.52	172.94	61.91	CMS
Runoff	291.28	306.75	363.51	410.72	399.73	281.11	357.76	313.10	555.10	501.99	450.56	511.32	4742.92	MCM
Momentary Peak		776.91	CMS. at 56.56 m. (MSL.) at 11:00 Hours , on Oct 3, 2022											
Runoff Yield	8.98	Liters/Second/Square KM.				Momentary Peak Yield				46.40	Liters/Second/Square KM.			

WATER YEAR : 2022**NAN RIVER BASIN****Nan River at Mueang , Phitsanulok (N.5A)**

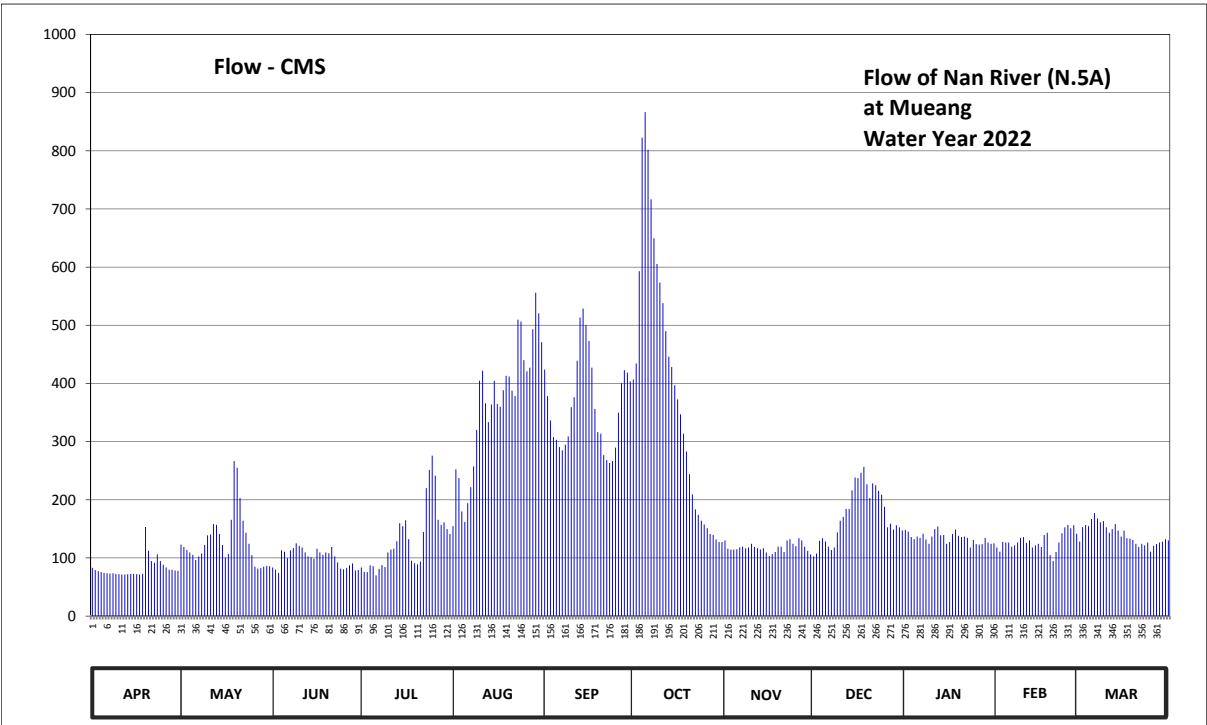
Lat 16 - 48 - 22 N Long 100 - 14 - 45 E

Location : on right bank near the Post Office and about 1 kilometer upstream from gaging station N.5

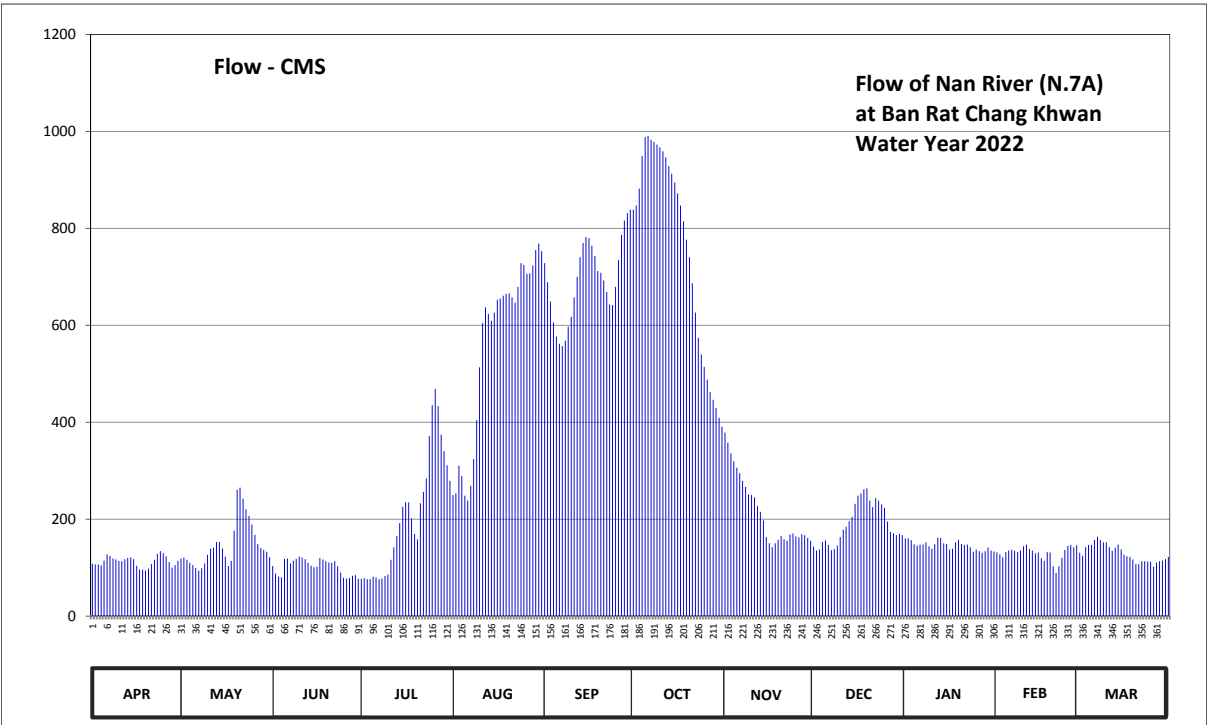
	Ban	Nai Mueang	Amphoe	Mueang	Changwat	Phitsanulok
Drainge Area	24,876	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+34.500	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the automatic gage building.				Elevation	+44.880 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1963 to date					
Rating Operation						
Period of Rating	1966 to date					
Rated by Float	-					
Rated by Current Meter	1966 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow effected by Naresuan Dam.					
	Stage-discharge relation defined by 28 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	35.37	35.95	35.38	35.38	36.39	39.47	39.31	36.05	35.66	36.30	35.88	36.02	
2	35.31	35.89	35.32	35.26	37.68	39.04	39.56	35.85	35.73	36.26	35.78	36.37	
3	35.28	35.82	35.23	35.25	37.50	38.60	40.89	35.83	36.04	36.13	36.01	36.42	
4	35.25	35.76	35.81	35.43	36.74	38.30	42.56	35.83	36.10	36.08	36.00	36.39	
5	35.23	35.70	35.78	35.41	36.49	38.25	42.88	35.84	36.02	36.14	36.00	36.56	
6	35.22	35.57	35.62	35.16	36.94	38.12	42.41	35.88	35.90	36.11	35.90	36.70	
7	35.21	35.66	35.81	35.34	37.31	38.06	41.79	35.90	35.82	36.21	35.93	36.57	
8	35.22	35.73	35.87	35.44	37.74	38.16	41.30	35.86	35.88	36.07	36.00	36.48	
9	35.20	35.94	35.98	35.39	38.43	38.31	40.98	35.88	36.24	35.97	36.11	36.51	
10	35.19	36.17	35.92	35.76	39.29	38.84	40.74	35.97	36.52	36.14	36.13	36.36	
11	35.18	36.19	35.88	35.83	39.45	39.02	40.44	35.89	36.61	36.32	35.99	36.23	
12	35.18	36.44	35.76	35.85	38.91	39.60	40.03	35.86	36.80	36.38	36.05	36.32	
13	35.19	36.42	35.66	36.03	38.57	40.23	39.66	35.83	36.80	36.17	35.88	36.44	
14	35.20	36.20	35.64	36.46	38.89	40.36	39.51	35.86	37.24	36.18	35.93	36.28	
15	35.20	35.94	35.60	36.39	39.29	40.12	39.22	35.76	37.51	35.97	35.97	36.14	
16	35.19	35.63	35.85	36.53	38.90	39.89	38.98	35.67	37.50	36.01	35.89	36.28	
17	35.18	35.72	35.76	36.08	38.85	39.50	38.71	35.72	37.61	36.20	36.18	36.10	
18	35.20	36.54	35.70	35.55	39.14	38.81	38.36	35.77	37.73	36.31	36.23	36.09	
19	36.37	37.85	35.76	35.49	39.37	38.39	38.04	35.90	37.37	36.16	35.69	36.06	
20	35.80	37.71	35.74	35.46	39.36	38.36	37.58	35.90	37.06	36.13	35.54	35.97	
21	35.54	37.06	35.89	35.53	39.13	37.97	37.15	35.77	37.39	36.14	35.77	35.89	
22	35.50	36.52	35.66	36.25	39.04	37.87	36.79	36.05	37.35	36.11	36.00	35.97	
23	35.71	36.23	35.51	37.29	40.20	37.81	36.66	36.08	37.23	35.88	36.22	35.93	
24	35.54	35.97	35.35	37.67	40.17	37.85	36.52	35.97	37.14	36.06	36.36	36.00	
25	35.45	35.69	35.33	37.96	39.61	38.11	36.43	35.91	36.85	35.96	36.42	35.78	
26	35.38	35.40	35.36	37.55	39.44	38.74	36.34	36.10	36.36	35.95	36.34	35.92	
27	35.32	35.35	35.43	36.54	39.50	39.25	36.20	36.05	36.45	35.96	36.41	35.96	
28	35.32	35.36	35.48	36.42	40.06	39.46	36.18	35.90	36.31	36.11	36.21	36.00	
29	35.30	35.40	35.30	36.48	40.59	39.42	36.07	35.80	36.41	36.00		36.02	
30	35.29	35.42	35.31	36.32	40.29	39.28	36.01	35.71	36.36	35.97		36.08	
31		35.41		36.20	39.87		36.01		36.29	35.98		36.05	
Mean	35.35	36.02	35.62	36.05	38.81	38.84	38.82	35.88	36.65	36.11	36.03	36.19	
Max	36.37	37.85	35.98	37.96	40.59	40.36	42.88	36.10	37.73	36.38	36.42	36.70	42.88
Min	35.18	35.35	35.23	35.16	36.39	37.81	36.01	35.67	35.66	35.88	35.54	35.78	35.16
Annual Max Momentary Gage Height	43.01	m. (MSL.) ,		at 03.00 Hours , on Oct 5, 2022									
Zero Gage at Bottom Elevation	34.50	m. (MSL.) ,		River Bed		30.98	m. (MSL.)						
Left Bank Elevation	44.63	m. (MSL.) ,											
Right Bank Elevation	45.72	m. (MSL.) ,		Drainage Are		24,876	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	83.05	123.00	83.70	83.70	154.68	423.96	406.68	130.20	102.68	148.20	117.96	128.04		
2	79.15	118.68	79.80	76.14	252.34	378.30	434.28	115.80	107.44	145.32	110.84	153.24		
3	77.32	113.64	74.37	75.55	237.40	336.30	592.96	114.36	129.48	135.96	127.32	156.84		
4	75.55	109.48	112.92	87.04	179.88	307.80	822.38	114.36	133.80	132.36	126.60	154.68		
5	74.37	105.40	110.84	85.68	161.88	303.05	866.34	115.08	128.04	136.68	126.60	166.92		
6	73.78	96.56	99.96	70.24	194.28	290.70	801.77	117.96	119.40	134.52	119.40	177.00		
7	73.19	102.68	112.92	81.10	221.63	285.00	716.60	119.40	113.64	141.72	121.56	167.64		
8	73.78	107.44	117.24	87.72	257.32	294.50	649.29	116.52	117.96	131.64	126.60	161.16		
9	72.60	122.28	125.16	84.35	320.15	308.75	605.33	117.96	143.88	124.44	134.52	163.32		
10	72.01	138.84	120.84	109.48	404.52	359.10	573.52	124.44	164.04	136.68	135.96	152.52		
11	71.42	140.28	117.96	114.36	421.80	376.30	538.12	118.68	170.52	149.64	125.88	143.16		
12	71.42	158.28	109.48	115.80	365.75	439.00	489.74	116.52	184.20	153.96	130.20	149.64		
13	72.01	156.84	102.68	128.76	333.45	513.34	446.08	114.36	184.20	138.84	117.96	158.28		
14	72.60	141.00	101.32	159.72	363.85	528.68	428.38	116.52	216.12	139.56	121.56	146.76		
15	72.60	122.28	98.60	154.68	404.52	500.36	396.96	109.48	238.23	124.44	124.44	136.68		
16	72.01	100.64	115.80	164.76	364.80	473.22	372.40	103.36	237.40	127.32	118.68	146.76		
17	71.42	106.76	109.48	132.36	360.05	427.20	346.75	106.76	246.53	141.00	139.56	133.80		
18	72.60	165.48	105.40	95.20	388.50	356.25	313.50	110.16	256.49	148.92	143.16	133.08		
19	153.24	266.45	109.48	91.12	413.16	316.35	283.10	119.40	226.61	138.12	104.72	130.92		
20	112.20	254.83	108.12	89.08	412.08	313.50	244.04	119.40	202.92	135.96	94.52	124.44		
21	94.52	202.92	118.68	93.84	387.45	276.69	209.40	110.16	228.27	136.68	110.16	118.68		
22	91.80	164.04	102.68	144.60	378.30	268.11	183.48	130.20	224.95	134.52	126.60	124.44		
23	106.08	143.16	92.48	220.02	509.80	263.13	174.12	132.36	215.34	117.96	142.44	121.56		
24	94.52	124.44	81.75	251.51	506.26	266.45	164.04	124.44	208.68	130.92	152.52	126.60		
25	88.40	104.72	80.45	275.82	440.18	289.75	157.56	120.12	187.80	123.72	156.84	110.84		
26	83.70	85.00	82.40	241.55	420.72	349.60	151.08	133.80	152.52	123.00	151.08	120.84		
27	79.80	81.75	87.04	165.48	427.20	400.20	141.00	130.20	159.00	123.72	156.12	123.72		
28	79.80	82.40	90.44	156.84	493.28	422.88	139.56	119.40	148.92	134.52	141.72	126.60		
29	78.50	85.00	78.50	161.16	555.82	418.56	131.64	112.20	156.12	126.60		128.04		
30	77.91	86.36	79.15	149.64	520.42	403.44	127.32	106.08	152.52	124.44		132.36		
31		85.68		141.00	470.86		127.32		147.48	125.16		130.20		
Total	2471.35	3996.31	3009.64	4088.30	11322.33	10890.47	12034.74	3539.68	5405.18	4166.52	3605.52	4348.76	68878.76	CMSDAY
Mean	82.38	128.91	100.32	131.88	365.24	363.02	388.22	117.99	174.36	134.40	128.77	140.28	188.71	CMS
Max	153.24	266.45	125.16	275.82	555.82	528.68	866.34	133.80	256.49	153.96	156.84	177.00	866.34	CMS
Min	71.42	81.75	74.37	70.24	154.68	263.13	127.32	103.36	102.68	117.96	94.52	110.84	70.24	CMS
Runoff	213.52	345.28	260.03	353.23	978.25	940.94	1039.80	305.83	467.01	359.99	311.52	375.73	5951.13	MCM
Momentary Peak	884.20 CMS. at 43.01 m. (MSL.) at 03.00 Hours , on Oct 5, 2022													
Runoff Yield	7.59	Liters/Second/Square KM.			Momentary Peak Yield			35.54	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	107.97	118.69	103.28	76.87	249.84	728.08	838.40	378.45	143.48	160.23	131.42	130.75		
2	106.63	120.70	87.87	78.08	253.44	689.00	846.80	357.70	135.44	160.23	127.40	124.72		
3	106.63	116.01	81.17	76.27	310.39	649.07	881.80	336.12	137.45	156.88	121.37	142.14		
4	104.62	109.98	79.90	76.27	288.81	605.51	949.00	319.52	152.86	148.17	132.09	146.83		
5	114.67	105.29	118.02	81.17	248.40	576.47	988.20	306.24	156.21	145.49	135.44	146.83		
6	127.40	99.26	118.69	79.90	238.32	561.91	991.00	294.62	146.83	147.50	136.78	156.88		
7	124.05	93.90	108.64	76.27	268.89	556.84	982.60	278.85	136.11	147.50	134.77	163.58		
8	118.69	98.59	114.67	77.48	323.67	568.00	978.40	266.40	138.12	152.19	132.09	156.88		
9	116.68	108.64	118.02	82.51	404.28	597.04	972.80	251.28	145.49	144.15	135.44	152.19		
10	114.00	126.73	122.71	85.86	513.19	617.61	967.20	249.84	162.91	138.79	144.15	152.19		
11	113.33	138.79	120.70	116.01	604.30	657.54	958.80	244.80	178.32	148.17	147.50	142.14		
12	117.35	140.80	117.35	141.47	636.97	699.89	946.20	226.80	184.35	161.57	138.12	134.77		
13	120.03	152.86	109.98	164.92	623.66	740.48	928.00	215.28	195.84	160.90	135.44	140.80		
14	120.70	152.86	103.95	191.72	609.14	769.80	912.60	197.28	204.48	150.18	129.41	147.50		
15	117.35	139.46	100.60	225.36	626.08	782.40	894.40	162.91	231.84	148.84	131.42	137.45		
16	103.95	122.71	101.94	234.72	652.70	779.60	872.00	150.18	248.40	137.45	119.36	126.73		
17	95.91	103.28	120.03	234.72	655.12	764.20	846.80	142.14	252.72	138.79	114.00	123.38		
18	95.91	114.00	116.68	201.60	661.17	742.96	814.60	150.18	261.36	152.19	132.09	122.04		
19	93.90	176.31	113.33	169.61	664.80	711.99	776.80	157.55	263.52	157.55	131.42	116.68		
20	97.92	260.64	110.65	158.22	666.01	708.36	740.48	165.59	238.32	148.84	102.61	107.97		
21	107.30	264.96	109.98	232.56	657.54	692.63	686.58	158.89	224.64	146.83	89.21	107.30		
22	116.01	242.64	113.33	256.32	646.65	668.43	626.08	155.54	243.36	147.50	102.61	113.33		
23	128.07	220.32	102.61	283.83	679.32	643.02	574.05	168.27	238.32	141.47	120.03	113.33		
24	134.10	206.64	89.88	371.81	728.08	641.81	539.58	170.28	230.40	132.76	136.78	112.66		
25	130.08	189.04	79.29	434.92	724.36	679.32	514.21	164.25	223.20	137.45	144.82	112.66		
26	123.38	167.60	77.48	468.53	705.94	734.28	487.82	162.24	195.12	134.10	146.83	101.94		
27	111.32	148.84	78.69	433.04	707.15	786.60	462.44	168.94	173.63	130.75	142.14	110.65		
28	99.93	140.13	83.18	374.30	723.12	816.00	446.20	166.93	170.95	134.10	146.16	113.33		
29	105.29	136.78	84.52	340.27	755.36	831.40	429.28	160.90	166.93	141.47		114.67		
30	114.00	132.76	76.87	311.22	768.40	838.40	408.90	155.54	169.61	135.44		117.35		
31		121.37		278.85	752.88		390.90		166.93	133.43		122.04		
Total	3387.17	4570.58	3064.01	6414.68	17347.98	20838.64	23652.92	6483.51	5917.14	4520.91	3640.90	4011.71	103850.15	CMSDAY
Mean	112.91	147.44	102.13	206.93	559.61	694.62	763.00	216.12	190.88	145.84	130.03	129.41	284.52	CMS
Max	134.10	264.96	122.71	468.53	768.40	838.40	991.00	378.45	263.52	161.57	147.50	163.58	991.00	CMS
Min	93.90	93.90	76.87	76.27	238.32	556.84	390.90	142.14	135.44	130.75	89.21	101.94	76.27	CMS
Runoff	292.65	394.90	264.73	554.23	1498.87	1800.46	2043.61	560.18	511.24	390.61	314.57	346.61	8972.65	MCM
Momentary Peak	993.80	993.80	CMS.	at 36.45 m. (MSL.) at 19.00 Hours , on Oct 5, 2022										
Runoff Yield	10.17	10.17	Liters/Second/Square KM.		Momentary Peak Yield		35.53	Liters/Second/Square KM.						

WATER YEAR : 2022

NAN RIVER BASIN

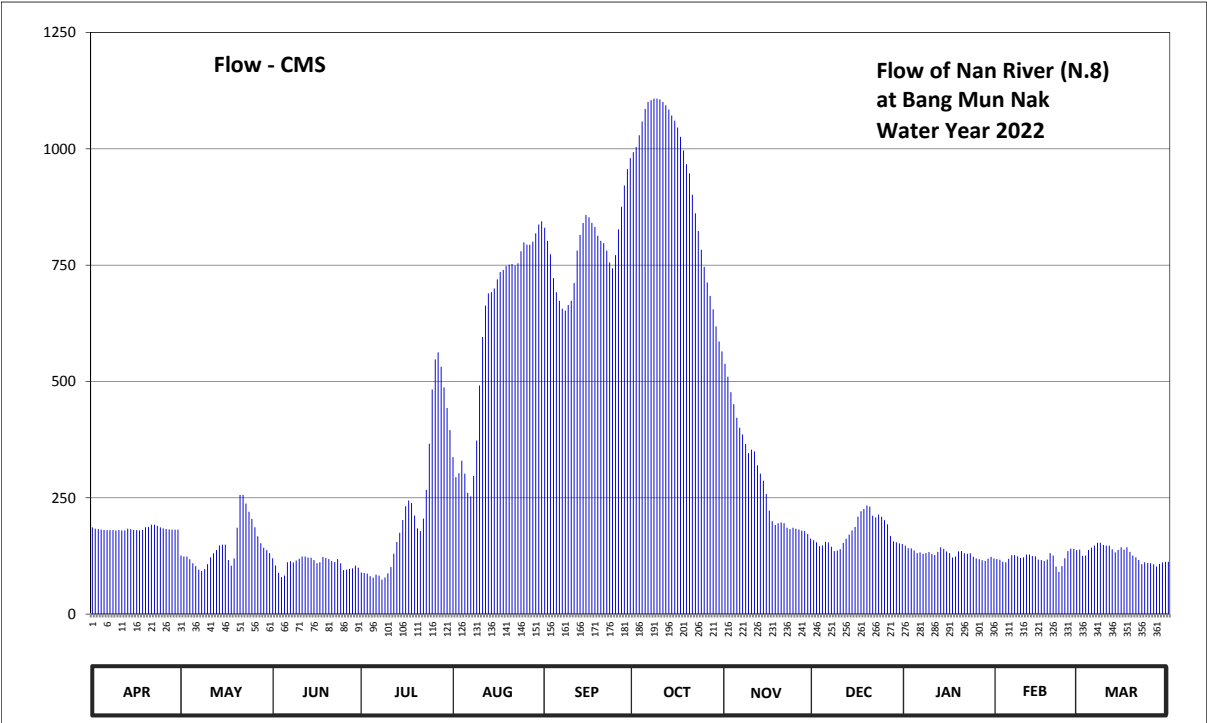
Nan River at Bang Mun Nak , Phichit (N.8)

Lat 16 - 01 - 52 N Long 100 - 22 - 38 E

Location : on right bank opposite to Wat Bang Mun Nak.

	Ban -	Amphoe	Bang Mun Nak	Changwat	Phichit
Drainge Area	32,594	sq.km.			
Type of Gage	Water - stage recorder				
Zero Gage at Bottom	+19.800	m. (MSL.)			
Bench Mark	B.M.-H.D.				
Location BM	On right bank about 89 meters upstream from the top staff gage.	Elevation	+33.276 m. (MSL.)		
Gage Reading Frequency	Recording				
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings				
Period of Available Gage Records	1951 to date				
Rating Operation					
Period of Rating	1965 - 1967, 1973 - 1979, 1991 - 2000, 2019 to date				
Rated by Float	-				
Rated by Current Meter	1951 - 1980, 1991 - 2000, 2019 to date				
Stability of Channel Regimes	Fairly stable.				
Overbank Flow Conditions	Overbank flow starts at elevation +30.510 m.(MSL.), records are channel flow only.				
General Description	Records fair. Flow effected by Naresuan Dam.				
	Stage-discharge relation defined by 29 discharge measurements made in 2022.				

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	22.88	21.74	21.63	21.05	25.05	29.48	30.39	27.25	22.36	22.14	21.60	21.98	
2	22.83	21.70	21.34	21.03	24.48	29.31	30.45	26.99	22.28	22.04	21.57	21.73	
3	22.81	21.70	21.04	21.01	24.59	29.13	30.59	26.64	22.12	22.03	21.49	21.74	
4	22.79	21.59	20.84	20.89	24.95	28.79	30.75	26.37	22.15	21.95	21.47	21.97	
5	22.78	21.43	20.92	20.82	24.58	28.56	30.90	26.06	22.30	21.84	21.61	22.06	
6	22.77	21.31	21.47	20.96	24.03	28.42	30.98	25.82	22.27	21.87	21.75	22.14	
7	22.77	21.17	21.51	20.92	23.93	28.29	31.00	25.65	22.10	21.81	21.76	22.26	
8	22.77	21.11	21.46	20.73	24.51	28.26	31.02	25.41	21.92	21.84	21.71	22.26	
9	22.76	21.19	21.54	20.83	25.50	28.35	31.02	25.16	21.94	21.88	21.64	22.17	
10	22.77	21.39	21.61	21.02	26.79	28.42	31.01	25.26	22.00	21.80	21.67	22.14	
11	22.76	21.67	21.70	21.27	27.79	28.71	30.98	25.21	22.25	21.76	21.78	22.14	
12	22.76	21.83	21.70	21.81	28.34	29.18	30.94	24.82	22.42	21.89	21.78	21.99	
13	22.83	21.96	21.66	22.29	28.54	29.39	30.89	24.58	22.59	22.08	21.72	21.87	
14	22.81	22.15	21.65	22.66	28.56	29.54	30.82	24.38	22.76	22.01	21.71	21.97	
15	22.78	22.18	21.56	23.15	28.62	29.64	30.76	24.00	22.90	21.91	21.58	22.08	
16	22.77	22.18	21.43	23.62	28.77	29.61	30.68	23.48	23.27	21.84	21.56	21.98	
17	22.76	21.56	21.47	23.81	28.89	29.54	30.57	23.11	23.46	21.66	21.52	22.08	
18	22.78	21.33	21.68	23.73	28.92	29.49	30.41	22.97	23.53	21.70	21.58	21.89	
19	22.89	21.62	21.64	23.31	28.97	29.38	30.25	23.03	23.65	21.91	21.84	21.74	
20	22.90	22.87	21.60	22.84	28.99	29.31	30.14	23.06	23.61	21.92	21.74	21.67	
21	22.98	23.97	21.51	22.73	29.00	29.28	29.89	23.03	23.30	21.84	21.29	21.56	
22	22.98	23.97	21.48	23.20	28.98	29.18	29.66	22.87	23.24	21.81	21.08	21.39	
23	22.94	23.71	21.60	24.12	29.01	29.02	29.44	22.81	23.34	21.83	21.31	21.47	
24	22.88	23.44	21.43	25.42	29.17	28.94	29.19	22.87	23.26	21.69	21.63	21.44	
25	22.84	23.19	21.15	26.70	29.29	29.12	28.96	22.83	23.14	21.62	21.92	21.43	
26	22.82	22.89	21.17	27.34	29.26	29.46	28.72	22.80	22.99	21.59	22.02	21.38	
27	22.80	22.52	21.20	27.48	29.26	29.74	28.50	22.75	22.54	21.55	22.01	21.30	
28	22.79	22.24	21.22	27.19	29.30	30.00	28.28	22.73	22.31	21.52	21.96	21.40	
29	22.79	22.06	21.33	26.75	29.41	30.19	28.00	22.61	22.28	21.61		21.46	
30	22.79	21.96	21.25	26.28	29.52	30.32	27.70	22.43	22.23	21.69		21.49	
31		21.84		25.76	29.56		27.50		22.21	21.62		21.49	
Mean	22.82	22.11	21.43	23.25	27.63	29.20	30.01	24.23	22.67	21.81	21.65	21.80	
Max	22.98	23.97	21.70	27.48	29.56	30.32	31.02	27.25	23.65	22.14	22.02	22.26	31.02
Min	22.76	21.11	20.84	20.73	23.93	28.26	27.50	22.43	21.92	21.52	21.08	21.30	20.73
Annual Max Momentary Gage Height	31.03	m. (MSL.) , at 09.00 Hours , on Oct 8, 2022											
Zero Gage at Bottom Elevation	19.80	m. (MSL.) , River Bed 17.37 m. (MSL.)											
Left Bank Elevation	30.50	m. (MSL.) ,											
Right Bank Elevation	30.67	m. (MSL.) , Drainage Are 32,594 Square Kilometers											



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	186.24	125.82	119.99	89.25	337.20	830.29	992.62	537.85	158.68	147.02	118.40	138.54		
2	183.59	123.70	104.62	88.19	294.30	802.05	1003.60	510.15	154.44	141.72	116.81	125.29		
3	182.53	123.70	88.72	87.13	302.55	773.25	1029.22	476.90	145.96	141.19	112.57	125.82		
4	181.47	117.87	79.24	81.54	329.55	721.99	1058.50	451.25	147.55	136.95	111.51	138.01		
5	180.94	109.39	82.92	78.32	301.80	691.74	1085.95	421.80	155.50	131.12	118.93	142.78		
6	180.41	103.03	111.51	84.76	260.55	673.33	1100.59	400.62	153.91	132.71	126.35	147.02		
7	180.41	95.61	113.63	82.92	253.05	656.24	1104.25	386.00	144.90	129.53	126.88	153.38		
8	180.41	92.43	110.98	74.18	296.55	652.29	1107.91	365.36	135.36	131.12	124.23	153.38		
9	179.88	96.67	115.22	78.78	373.10	664.13	1107.91	345.78	136.42	133.24	120.52	148.61		
10	180.41	107.27	118.93	87.66	491.15	673.33	1106.08	353.58	139.60	129.00	122.11	147.02		
11	179.88	122.11	123.70	100.91	595.63	711.47	1100.59	349.68	152.85	126.88	127.94	147.02		
12	179.88	130.59	123.70	129.53	662.81	781.25	1093.27	319.80	161.86	133.77	127.94	139.07		
13	183.59	137.48	121.58	154.97	689.11	814.85	1084.12	301.80	170.87	143.84	124.76	132.71		
14	182.53	147.55	121.05	174.58	691.74	840.67	1071.31	286.80	179.88	140.13	124.23	138.01		
15	180.94	149.14	116.28	202.30	699.63	857.97	1060.33	258.30	187.30	134.83	117.34	143.84		
16	180.41	149.14	109.39	231.60	719.36	852.78	1045.69	222.50	209.50	131.12	116.28	138.54		
17	179.88	116.28	111.51	244.05	735.14	840.67	1025.56	199.90	221.20	121.58	114.16	143.84		
18	180.94	104.09	122.64	238.75	739.65	832.02	996.28	191.50	225.75	123.70	117.34	133.77		
19	186.77	119.46	120.52	211.90	747.65	813.25	967.00	195.10	233.55	134.83	131.12	125.82		
20	187.30	185.71	118.40	184.12	750.85	802.05	946.87	196.90	230.95	135.36	125.82	122.11		
21	192.10	256.05	113.63	178.29	752.45	797.25	901.22	195.10	211.30	131.12	101.97	116.28		
22	192.10	256.05	112.04	205.30	749.25	781.25	861.43	185.71	207.70	129.53	90.84	107.27		
23	189.70	237.45	118.40	267.30	754.05	755.65	823.37	182.53	213.70	130.59	103.03	111.51		
24	186.24	219.90	109.39	366.22	779.65	742.85	782.85	185.71	208.90	123.17	119.99	109.92		
25	184.12	204.70	94.55	482.60	798.85	771.65	746.05	183.59	201.70	119.46	135.36	109.39		
26	183.06	186.77	95.61	547.48	794.05	826.83	712.78	182.00	192.70	117.87	140.66	106.74		
27	182.00	167.16	97.20	562.46	794.05	875.27	683.85	179.35	168.22	115.75	140.13	102.50		
28	181.47	152.32	98.26	531.43	800.45	921.25	654.92	178.29	156.03	114.16	137.48	107.80		
29	181.47	142.78	104.09	487.35	818.18	956.02	618.10	171.93	154.44	118.93		110.98		
30	181.47	137.48	99.85	442.70	837.21	979.81	586.00	162.39	151.79	123.17		112.57		
31		131.12		395.46	844.13		564.60		150.73	119.46		112.57		
Total	5492.14	4548.82	3277.55	7172.03	18993.69	23693.45	29022.82	8578.17	5463.24	4022.85	3394.70	3992.11	117651.57	CMSDAY
Mean	183.07	146.74	109.25	231.36	612.70	789.78	936.22	285.94	176.23	129.77	121.24	128.78	322.33	CMS
Max	192.10	256.05	123.70	562.46	844.13	979.81	1107.91	537.85	233.55	147.02	140.66	153.38	1107.91	CMS
Min	179.88	92.43	79.24	74.18	253.05	652.29	564.60	162.39	135.36	114.16	90.84	102.50	74.18	CMS
Runoff	474.52	393.02	283.18	619.66	1641.05	2047.11	2507.57	741.15	472.02	347.57	293.30	344.92	10165.10	MCM
Momentary Peak	1109.74 CMS. at 31.03 m. (MSL.) at 09.00 Hours , on Oct 8, 2022													
Runoff Yield	9.89	Liters/Second/Square KM.			Momentary Peak Yield		34.05	Liters/Second/Square KM.						

WATER YEAR : 2022

NAN RIVER BASIN

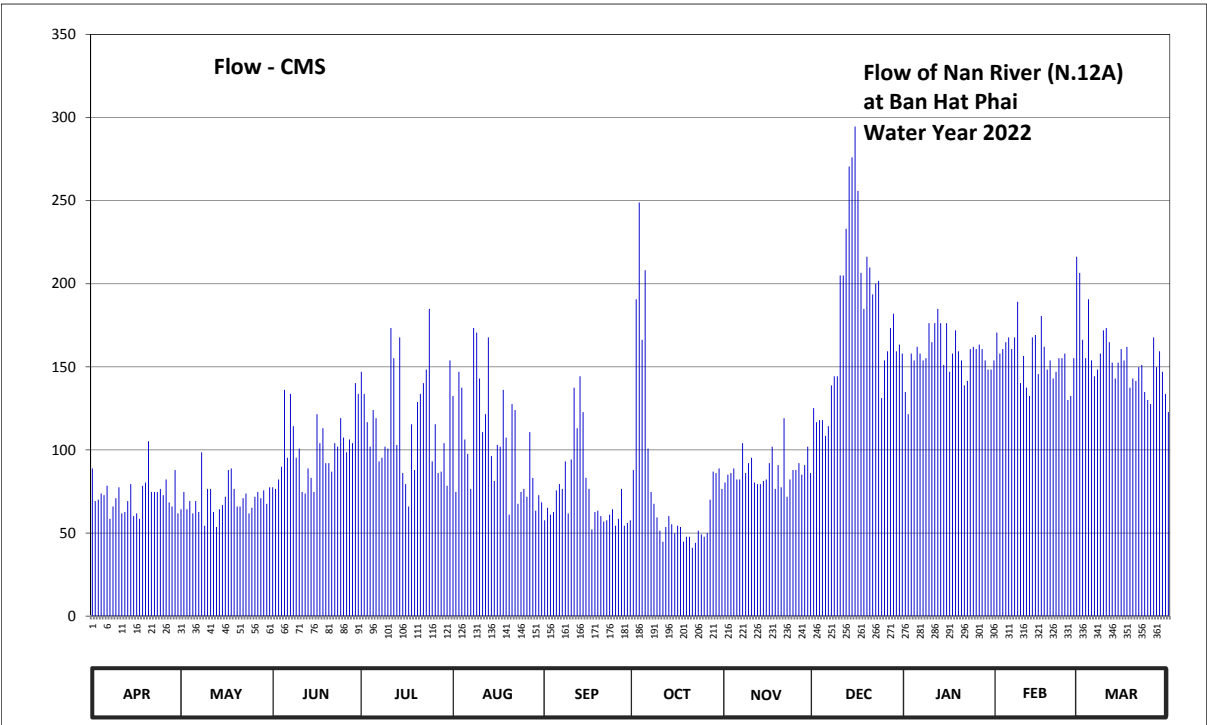
Nan River at Ban Hat Phai , Uttaradit (N.12A)

Lat 17 - 44 - 13 N Long 100 - 31 - 54 E

Location : on right bank about 4 kilometers downstream, Sirikit Dam Site, along Phasom - Silot road.

	Ban Hat Phai	Amphoe Tha Pla	Changwat	Uttaradit
Drainge Area	15,562 sq.km.			
Type of Gage	Water - stage recorder			
Zero Gage at Bottom	+69.000 m. (MSL.)			
Bench Mark	B.M.-H.D.			
Location BM	On right bank in front of gage observer's house.		Elevation	+84.000 m. (MSL.)
Gage Reading Frequency	Recording			
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings			
Period of Available Gage Records	1966 to date			
Rating Operation				
Period of Rating	1966 to date			
Rated by Float	-			
Rated by Current Meter	1966 to date			
Stability of Channel Regimes	Stable.			
Overbank Flow Conditions	No overbank flow.			
General Description	Records fair. Flow regulated by Sirikit Dam reservoir about 6 kilometers above gage site. Stage-discharge relation defined by 22 discharge measurements made in 2022.			

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	71.09	70.82	70.97	71.58	71.47	70.74	71.08	71.00	71.41	71.49	71.75	71.99	
2	70.88	70.94	70.96	71.48	70.94	70.83	71.89	71.05	71.34	71.38	71.66	71.72	
3	70.89	70.82	71.02	71.34	71.58	70.78	72.24	71.06	71.35	71.66	71.68	71.64	
4	70.93	70.88	71.10	71.21	71.51	70.80	71.72	71.09	71.35	71.63	71.71	71.89	
5	70.92	70.79	71.50	71.40	71.25	70.95	72.00	71.02	71.27	71.69	71.73	71.63	
6	70.98	70.88	71.15	71.36	71.17	70.99	71.20	71.02	71.32	71.66	71.68	71.56	
7	70.75	70.80	71.48	71.13	70.96	70.96	70.94	71.23	71.52	71.63	71.73	71.59	
8	70.84	71.18	71.32	71.15	71.77	71.13	70.86	71.06	71.56	71.64	71.88	71.66	
9	70.90	70.70	71.15	71.21	71.75	70.79	70.76	71.12	71.56	71.79	71.53	71.76	
10	70.97	70.96	71.20	71.20	71.55	71.14	70.66	71.15	71.98	71.71	71.65	71.77	
11	70.79	70.96	70.94	71.77	71.29	71.51	70.57	71.00	71.98	71.79	71.51	71.71	
12	70.80	70.80	70.93	71.64	71.38	71.31	70.69	70.99	72.15	71.85	71.47	71.62	
13	70.88	70.69	71.09	71.22	71.73	71.56	70.77	70.99	72.36	71.79	71.73	71.55	
14	70.99	70.82	71.03	71.73	71.16	71.39	70.71	71.01	72.39	71.61	71.74	71.62	
15	70.77	70.85	70.94	71.06	71.01	71.03	70.64	71.02	72.49	71.79	71.57	71.68	
16	70.79	70.91	71.38	70.99	71.22	70.96	70.70	71.12	72.28	71.58	71.82	71.63	
17	70.75	71.08	71.23	70.84	71.21	70.67	70.69	71.21	71.99	71.66	71.69	71.69	
18	70.98	71.09	71.31	71.33	71.50	70.80	70.57	70.96	71.85	71.76	71.59	71.51	
19	71.00	70.96	71.12	71.08	71.26	70.81	70.61	71.11	72.05	71.67	71.63	71.55	
20	71.24	70.84	71.12	71.44	70.78	70.77	70.61	70.97	72.01	71.63	71.55	71.54	
21	70.94	70.84	71.07	71.48	71.43	70.73	70.52	71.36	71.91	71.52	71.58	71.60	
22	70.94	70.90	71.23	71.53	71.40	70.74	70.56	70.91	71.95	71.54	71.64	71.61	
23	70.94	70.93	71.21	71.59	70.86	70.78	70.66	71.02	71.96	71.68	71.64	71.49	
24	70.96	70.79	71.36	71.85	70.94	70.82	70.63	71.08	71.46	71.69	71.66	71.45	
25	70.92	70.83	71.26	71.13	70.96	70.70	70.61	71.08	71.63	71.68	71.45	71.43	
26	71.02	70.91	71.18	71.33	70.91	70.75	70.64	71.12	71.67	71.70	71.47	71.73	
27	70.87	70.94	71.25	71.06	71.29	70.96	70.89	71.05	71.77	71.68	71.64	71.60	
28	70.84	70.90	71.23	71.07	71.03	70.70	71.07	71.11	71.83	71.63	72.05	71.67	
29	71.08	70.95	71.53	71.23	70.81	70.72	71.06	71.21	71.67	71.59		71.58	
30	70.79	70.86	71.48	70.98	70.92	70.74	71.09	71.06	71.70	71.59		71.48	
31		70.97		71.63	70.87		70.96		71.66	71.63		71.39	
Mean	70.91	70.89	71.19	71.32	71.22	70.92	70.92	71.07	71.79	71.66	71.66	71.62	
Max	71.24	71.18	71.53	71.85	71.77	71.56	72.24	71.36	72.49	71.85	72.05	71.99	72.49
Min	70.75	70.69	70.93	70.84	70.78	70.67	70.52	70.91	71.27	71.38	71.45	71.39	70.52
Annual Max Momentary Gage Height	74.66		m. (MSL.) ,		at 24.00 Hours , on Jul 31, 2022								
Zero Gage at Bottom Elevation		69.00	m. (MSL.) ,		River Bed	70.96	m. (MSL.)						
Left Bank Elevation		89.23	m. (MSL.) ,										
Right Bank Elevation		88.13	m. (MSL.) ,		Drainage Are	15,562	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	88.86	64.30	77.52	147.02	132.46	57.70	87.91	80.35	125.17	134.89	170.55	206.54		
2	69.25	74.68	76.57	133.67	74.68	65.13	190.57	85.08	116.66	121.52	157.94	166.26		
3	70.08	64.30	82.24	116.66	147.02	61.00	248.87	86.02	117.88	157.94	160.67	155.21		
4	73.74	69.25	89.80	101.90	137.47	62.65	166.26	88.86	117.88	153.85	164.83	190.57		
5	72.79	61.83	136.10	123.95	106.30	75.63	208.15	82.24	108.50	162.04	167.69	153.85		
6	78.46	69.25	95.30	119.09	97.50	79.41	100.80	82.24	114.23	157.94	160.67	144.29		
7	58.53	62.65	133.67	93.10	76.57	76.57	74.68	104.10	138.83	153.85	167.69	148.39		
8	65.95	98.60	114.23	95.30	173.41	93.10	67.60	86.02	144.29	155.21	189.14	157.94		
9	70.90	54.40	95.30	101.90	170.55	61.83	59.35	92.00	144.29	176.27	140.20	171.98		
10	77.52	76.57	100.80	100.80	142.93	94.20	51.44	95.30	204.92	164.83	156.58	173.41		
11	61.83	76.57	74.68	173.41	110.70	137.47	44.78	80.35	204.92	176.27	137.47	164.83		
12	62.65	62.65	73.74	155.21	121.52	113.02	53.66	79.41	233.08	184.85	132.46	152.48		
13	69.25	53.66	88.86	103.00	167.69	144.29	60.18	79.41	270.50	176.27	167.69	142.93		
14	79.41	64.30	83.19	167.69	96.40	122.74	55.23	81.30	276.05	151.12	169.12	152.48		
15	60.18	66.78	74.68	86.02	81.30	83.19	49.96	82.24	294.55	176.27	145.66	160.67		
16	61.83	71.85	121.52	79.41	103.00	76.57	54.40	92.00	255.89	147.02	180.56	153.85		
17	58.53	87.91	104.10	65.95	101.90	52.18	53.66	101.90	206.54	157.94	162.04	162.04		
18	78.46	88.86	113.02	115.45	136.10	62.65	44.78	76.57	184.85	171.98	148.39	137.47		
19	80.35	76.57	92.00	87.91	107.40	63.48	47.74	90.90	216.23	159.31	153.85	142.93		
20	105.20	65.95	92.00	128.81	61.00	60.18	47.74	77.52	209.77	153.85	142.93	141.56		
21	74.68	65.95	86.97	133.67	127.60	56.88	41.08	119.09	193.62	138.83	147.02	149.75		
22	74.68	70.90	104.10	140.20	123.95	57.70	44.04	71.85	200.08	141.56	155.21	151.12		
23	74.68	73.74	101.90	148.39	67.60	61.00	51.44	82.24	201.69	160.67	155.21	134.89		
24	76.57	61.83	119.09	184.85	74.68	64.30	49.22	87.91	131.24	162.04	157.94	130.03		
25	72.79	65.13	107.40	93.10	76.57	54.40	47.74	87.91	153.85	160.67	130.03	127.60		
26	82.24	71.85	98.60	115.45	71.85	58.53	49.96	92.00	159.31	163.40	132.46	167.69		
27	68.43	74.68	106.30	86.02	110.70	76.57	70.08	85.08	173.41	160.67	155.21	149.75		
28	65.95	70.90	104.10	86.97	83.19	54.40	86.97	90.90	181.99	153.85	216.23	159.31		
29	87.91	75.63	140.20	104.10	63.48	56.05	86.02	101.90	159.31	148.39		147.02		
30	61.83	67.60	133.67	78.46	72.79	57.70	88.86	86.02	163.40	148.39		133.67		
31		77.52		153.85	68.43		76.57		157.94	153.85		122.74		
Total	2183.53	2186.66	3021.65	3621.31	3286.74	2240.52	2459.74	2628.71	5560.87	4885.54	4425.44	4753.25	41253.96	CMSDAY
Mean	72.78	70.54	100.72	116.82	106.02	74.68	79.35	87.62	179.38	157.60	158.05	153.33	113.02	CMS
Max	105.20	98.60	140.20	184.85	173.41	144.29	248.87	119.09	294.55	184.85	216.23	206.54	294.55	CMS
Min	58.53	53.66	73.74	65.95	61.00	52.18	41.08	71.85	108.50	121.52	130.03	122.74	41.08	CMS
Runoff	188.66	188.93	261.07	312.88	283.97	193.58	212.52	227.12	480.46	422.11	382.36	410.68	3564.34	MCM
Momentary Peak	805.94 CMS. at 74.66 m. (MSL.) at 24.00 Hours , on Jul 31, 2022													
Runoff Yield	7.26		Liters/Second/Square KM.		Momentary Peak Yield		51.79		Liters/Second/Square KM.					

WATER YEAR : 2022**NAN RIVER BASIN****Nan River at Ban Bun Nak , Nan (N.13A)**

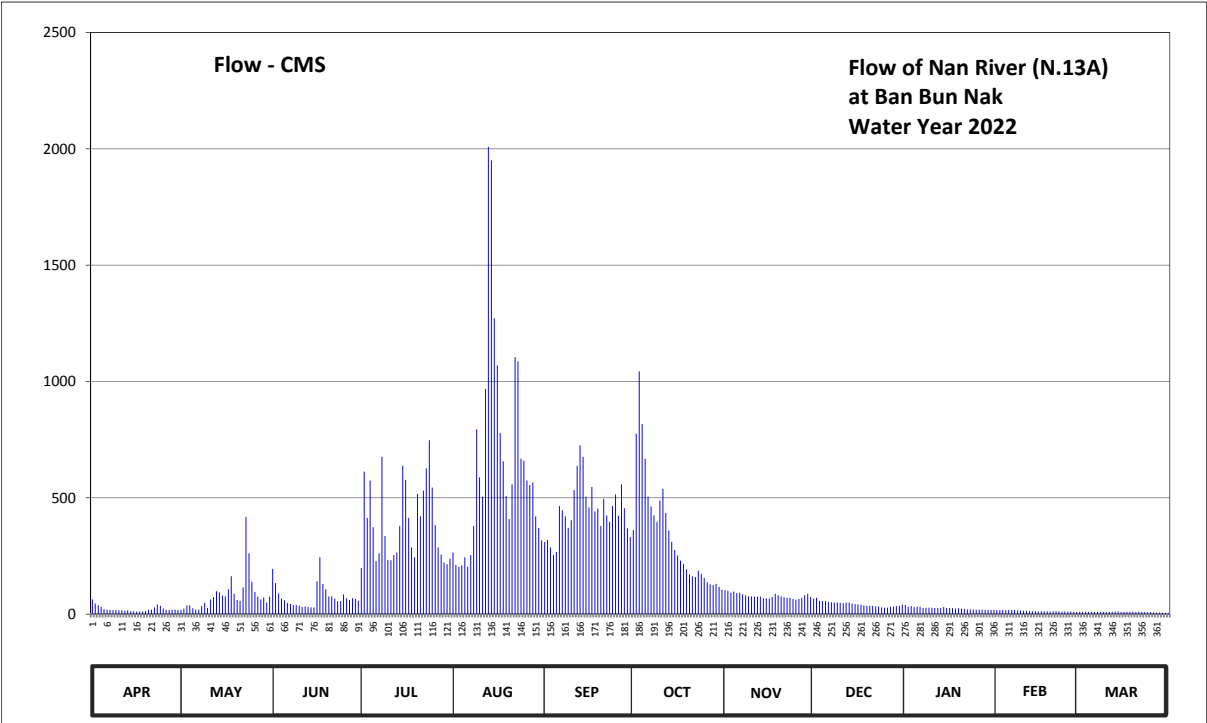
Lat 18 - 33 - 00 N Long 100 - 45 - 40 E

Location : on right bank about 2 kilometers upstream from Station N.13

	Ban	Bun Nak	Amphoe	Wiang Sa	Changwat	Nan
Drainge Area	8,719	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+177.400 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On right bank at the abutment of the bridge.				Elevation	+192.700 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1987 to date					
Rating Operation						
Period of Rating	1987 to date					
Rated by Float	-					
Rated by Current Meter	1987 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 34 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	177.69	177.36	178.44	178.46	178.82	179.05	179.27	177.94	177.71	177.53	177.36	177.23	
2	177.57	177.42	178.11	180.29	178.53	179.09	180.88	177.92	177.73	177.48	177.35	177.23	
3	177.52	177.52	177.85	179.49	178.49	178.94	181.81	177.87	177.65	177.50	177.36	177.24	
4	177.48	177.52	177.71	180.15	178.52	178.76	181.03	177.90	177.65	177.47	177.35	177.23	
5	177.40	177.43	177.66	179.32	178.71	178.83	180.49	177.86	177.64	177.49	177.36	177.23	
6	177.37	177.38	177.59	178.62	178.49	179.71	179.88	177.87	177.62	177.48	177.36	177.23	
7	177.37	177.38	177.56	178.80	178.76	179.63	179.70	177.82	177.61	177.44	177.36	177.23	
8	177.35	177.50	177.53	180.52	179.34	179.52	179.54	177.80	177.60	177.45	177.34	177.23	
9	177.35	177.59	177.53	179.16	180.95	179.31	179.42	177.77	177.60	177.45	177.33	177.22	
10	177.34	177.44	177.51	178.65	180.20	179.45	179.81	177.77	177.59	177.45	177.32	177.21	
11	177.34	177.69	177.47	178.64	179.88	180.00	180.02	177.76	177.58	177.44	177.31	177.23	
12	177.32	177.75	177.49	178.76	181.55	180.38	179.58	177.76	177.60	177.44	177.29	177.23	
13	177.34	177.91	177.47	178.82	184.78	180.70	179.26	177.76	177.60	177.44	177.29	177.26	
14	177.28	177.88	177.46	179.34	184.61	180.52	179.05	177.72	177.57	177.47	177.29	177.27	
15	177.27	177.79	177.46	180.38	182.55	179.88	178.88	177.72	177.56	177.44	177.27	177.22	
16	177.26	177.77	178.15	180.16	181.90	179.68	178.75	177.71	177.55	177.44	177.28	177.23	
17	177.25	177.96	178.71	179.49	180.89	180.05	178.63	177.75	177.54	177.43	177.28	177.23	
18	177.27	178.27	178.09	178.94	180.45	179.61	178.55	177.84	177.52	177.42	177.27	177.23	
19	177.30	177.84	177.96	178.71	179.89	179.66	178.43	177.80	177.51	177.43	177.26	177.24	
20	177.37	177.67	177.77	179.93	179.47	179.34	178.31	177.77	177.51	177.41	177.28	177.23	
21	177.38	177.65	177.77	179.52	180.09	179.84	178.27	177.75	177.51	177.41	177.28	177.23	
22	177.46	178.01	177.71	179.99	182.02	179.54	178.25	177.73	177.49	177.39	177.27	177.22	
23	177.55	179.51	177.64	180.34	181.96	179.42	178.40	177.73	177.49	177.39	177.26	177.21	
24	177.51	178.80	177.64	180.78	180.49	179.71	178.32	177.70	177.46	177.38	177.27	177.20	
25	177.42	178.14	177.82	180.04	180.46	179.92	178.23	177.68	177.45	177.38	177.26	177.20	
26	177.37	177.89	177.72	179.36	180.15	179.53	178.13	177.70	177.45	177.38	177.26	177.18	
27	177.36	177.76	177.67	178.94	180.08	180.09	178.08	177.73	177.48	177.38	177.24	177.17	
28	177.38	177.69	177.72	178.77	180.12	179.67	178.06	177.80	177.49	177.37	177.23	177.16	
29	177.38	177.74	177.70	178.59	179.52	179.30	178.09	177.84	177.50	177.36		177.14	
30	177.36	177.60	177.65	178.55	179.31	179.14	178.02	177.75	177.51	177.36		177.13	
31		177.76		178.68	179.08		177.95		177.54	177.37		177.13	
Mean	177.39	177.79	177.75	179.36	180.32	179.61	179.07	177.78	177.56	177.43	177.30	177.21	
Max	177.69	179.51	178.71	180.78	184.78	180.70	181.81	177.94	177.73	177.53	177.36	177.27	184.78
Min	177.25	177.36	177.46	178.46	178.49	178.76	177.95	177.68	177.45	177.36	177.23	177.13	177.13
Annual Max Momentary Gage Height	185.15		m. (MSL.) ,				at 11.00 Hours , on Aug 13, 2022						
Zero Gage at Bottom Elevation	177.40		m. (MSL.) ,			River Bed	175.26	m. (MSL.)					
Left Bank Elevation		190.28		m. (MSL.) ,									
Right Bank Elevation		192.63		m. (MSL.) ,		Drainage Are	8,719	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	63.45	17.80	194.40	198.10	264.70	309.75	361.45	103.40	66.60	39.00	17.80	9.64		
	2	45.00	23.70	133.35	612.75	211.05	319.15	775.00	100.20	69.80	31.80	17.00	9.64		
	3	37.50	37.50	89.00	413.15	203.65	286.90	1042.90	92.20	57.25	34.50	17.80	10.12		
	4	31.80	37.50	66.60	574.25	209.20	253.60	816.70	97.00	57.25	30.45	17.00	9.64		
	5	21.00	25.05	58.80	373.20	244.35	266.55	667.75	90.60	55.70	33.15	17.80	9.64		
	6	18.60	19.40	48.00	227.70	203.65	464.85	504.80	92.20	52.60	31.80	17.80	9.64		
	7	18.60	19.40	43.50	261.00	253.60	446.05	462.50	84.20	51.05	26.40	17.80	9.64		
	8	17.00	34.50	39.00	676.00	377.90	420.20	424.90	81.00	49.50	27.75	16.20	9.64		
	9	17.00	48.00	39.00	335.60	794.25	370.85	396.70	76.20	49.50	27.75	15.40	9.16		
	10	16.20	26.40	36.00	233.25	588.00	403.75	488.35	76.20	48.00	27.75	14.60	8.68		
	11	16.20	63.45	30.45	231.40	504.80	533.00	538.50	74.60	46.50	26.40	13.80	9.64		
	12	14.60	73.00	33.15	253.60	967.50	637.50	434.30	74.60	49.50	26.40	12.52	9.64		
	13	16.20	98.60	30.45	264.70	2008.20	725.50	359.10	74.60	49.50	26.40	12.52	11.08		
	14	12.04	93.80	29.10	377.90	1950.40	676.00	309.75	68.20	45.00	30.45	12.52	11.56		
	15	11.56	79.40	29.10	637.50	1271.25	504.80	275.80	68.20	43.50	26.40	11.56	9.16		
	16	11.08	76.20	140.75	577.00	1069.00	457.80	251.75	66.60	42.00	26.40	12.04	9.64		
	17	10.60	106.60	244.35	413.15	777.75	546.75	229.55	73.00	40.50	25.05	12.04	9.64		
	18	11.56	162.95	129.65	286.90	656.75	441.35	214.75	87.40	37.50	23.70	11.56	9.64		
	19	13.00	87.40	106.60	244.35	507.15	453.10	192.55	81.00	36.00	25.05	11.08	10.12		
	20	18.60	60.35	76.20	516.55	408.45	377.90	170.35	76.20	36.00	22.35	12.04	9.64		
	21	19.40	57.25	76.20	420.20	557.75	495.40	162.95	73.00	36.00	22.35	12.04	9.64		
	22	29.10	114.85	66.60	530.65	1104.30	424.90	159.25	69.80	33.15	20.20	11.56	9.16		
	23	42.00	417.85	55.70	626.50	1086.40	396.70	187.00	69.80	33.15	20.20	11.08	8.68		
	24	36.00	261.00	55.70	747.50	667.75	464.85	172.20	65.00	29.10	19.40	11.56	8.20		
	25	23.70	138.90	84.20	544.00	659.50	514.20	155.55	61.90	27.75	19.40	11.08	8.20		
	26	18.60	95.40	68.20	382.60	574.25	422.55	137.05	65.00	27.75	19.40	11.08	7.42		
	27	17.80	74.60	60.35	286.90	555.00	557.75	127.80	69.80	31.80	19.40	10.12	7.03		
	28	19.40	63.45	68.20	255.45	566.00	455.45	124.10	81.00	33.15	18.60	9.64	6.64		
	29	19.40	71.40	65.00	222.15	420.20	368.50	129.65	87.40	34.50	17.80		5.86		
	30	17.80	49.50	57.25	214.75	370.85	330.90	116.70	73.00	36.00	17.80		5.47		
	31		74.60		238.80	316.80		105.00		40.50	18.60		5.47		
Total		664.79	2609.80	2254.85	12177.55	20350.40	13326.55	10494.70	2353.30	1346.10	782.10	379.04	276.97	67016.15	CMSDAY
Mean		22.16	84.19	75.16	392.82	656.46	444.22	338.54	78.44	43.42	25.23	13.54	8.93	183.61	CMS
Max		63.45	417.85	244.35	747.50	2008.20	725.50	1042.90	103.40	69.80	39.00	17.80	11.56	2008.20	CMS
Min		10.60	17.80	29.10	198.10	203.65	253.60	105.00	61.90	27.75	17.80	9.64	5.47	5.47	CMS
Runoff		57.44	225.49	194.82	1052.14	1758.27	1151.41	906.74	203.33	116.30	67.57	32.75	23.93	5790.20	MCM
Momentary Peak		2135.50 CMS. at 185.15 m. (MSL.) at 11.00 Hours , on Aug 13, 2022													
Runoff Yield		21.06	Liters/Second/Square KM.				Momentary Peak Yield	244.92	Liters/Second/Square KM.						

WATER YEAR : 2022**Nan RIVER BASIN****Nan River at Wat Luang Pho Kao , Nakhon Sawan (N.14A)**

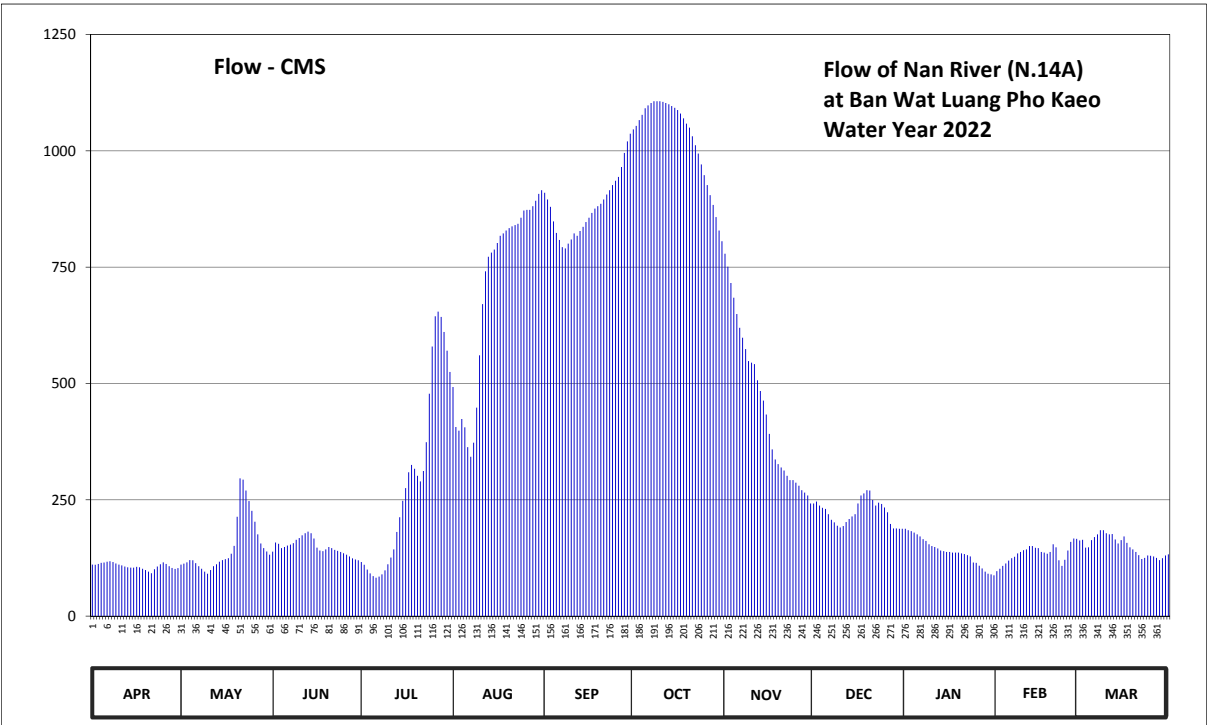
Lat 15 - 54 - 02 N Long 100 - 18 - 24 E

Location : on right bank in front of Wat Luang Pho Kao about 1 kilometer upstream from Station N.14

	Ban	Wat Luang Pho Kao	Amphoe	Chum Saeng	Changwat	Nakhon Sawan
Drainage Area	32,637	sq.km.				
Type of Gage	Staff gage.					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank in front of automatic gage building.				Elevation	+32.155 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	1971 to date					
Rating Operation						
Period of Rating	1973 - 1979, 1991 to date					
Rated by Float	-					
Rated by Current Meter	1972 - 1980, 1991 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow					
General Description	Records good. Flow effected by Naresuan Dam.					
	Stage-discharge relation defined by 19 discharge measurements made in 2022.					

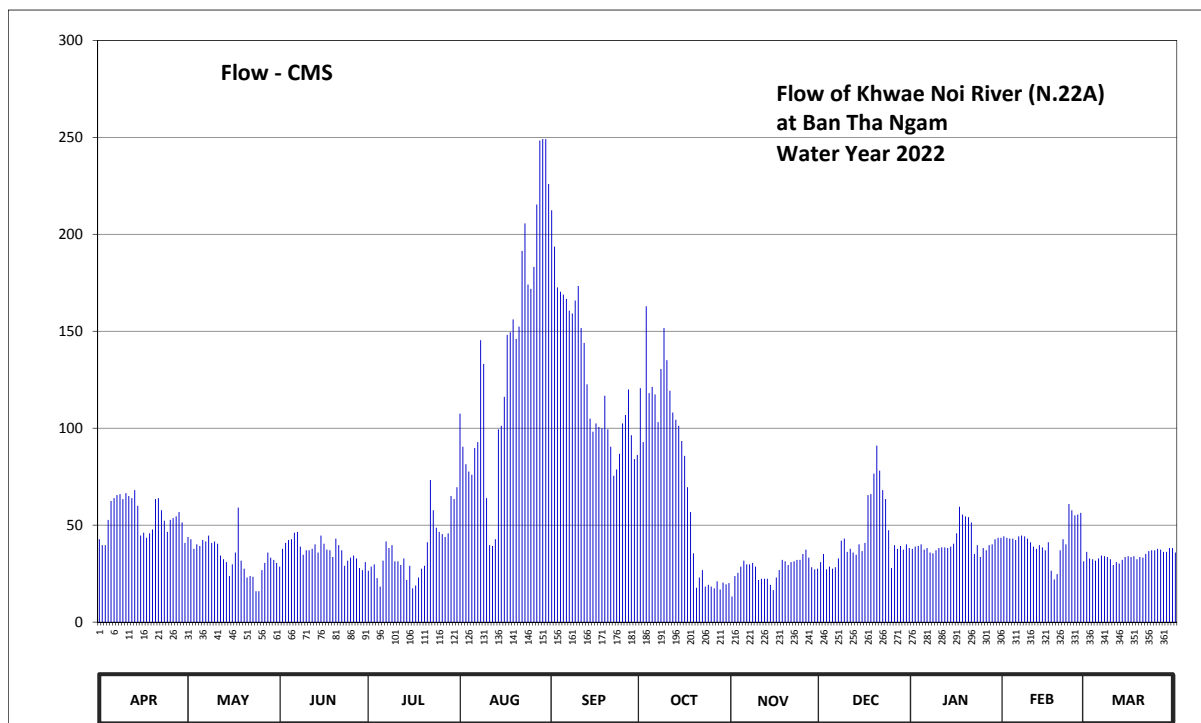
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.24	19.24	19.69	19.33	23.64	27.03	28.03	26.02	21.08	20.40	19.00	20.06	
2	19.23	19.27	20.00	19.23	22.83	26.92	28.09	25.80	21.13	20.36	19.09	20.08	
3	19.26	19.32	19.96	19.06	22.75	26.80	28.19	25.52	21.03	20.33	19.19	19.83	
4	19.30	19.40	19.81	18.91	23.00	26.56	28.28	25.27	20.97	20.29	19.28	19.84	
5	19.31	19.39	19.85	18.80	22.82	26.37	28.39	24.99	20.94	20.24	19.38	20.07	
6	19.34	19.29	19.90	18.73	22.39	26.25	28.44	24.75	20.80	20.18	19.47	20.16	
7	19.36	19.18	19.93	18.78	22.18	26.13	28.48	24.58	20.65	20.10	19.52	20.24	
8	19.33	19.09	19.98	18.87	22.49	26.11	28.51	24.37	20.58	20.05	19.63	20.36	
9	19.28	18.98	20.08	19.03	23.23	26.19	28.51	24.14	20.49	19.94	19.68	20.36	
10	19.24	18.90	20.13	19.25	24.25	26.26	28.51	24.11	20.44	19.88	19.74	20.27	
11	19.21	19.04	20.21	19.49	25.16	26.36	28.50	24.08	20.48	19.85	19.77	20.24	
12	19.17	19.18	20.27	19.77	25.72	26.32	28.48	23.77	20.59	19.80	19.88	20.25	
13	19.14	19.25	20.32	20.31	25.97	26.40	28.46	23.56	20.67	19.73	19.88	20.09	
14	19.13	19.34	20.27	20.72	26.04	26.47	28.43	23.37	20.74	19.71	19.82	19.97	
15	19.13	19.40	20.12	21.15	26.09	26.55	28.40	23.09	20.80	19.68	19.81	20.07	
16	19.16	19.43	19.83	21.46	26.20	26.62	28.36	22.68	21.08	19.68	19.68	20.18	
17	19.14	19.47	19.73	21.83	26.32	26.70	28.30	22.34	21.28	19.66	19.66	19.99	
18	19.09	19.62	19.71	22.00	26.36	26.77	28.22	22.12	21.33	19.66	19.62	19.84	
19	19.04	19.89	19.77	21.91	26.41	26.81	28.13	22.02	21.41	19.66	19.68	19.77	
20	18.98	20.73	19.85	21.75	26.45	26.85	28.06	21.94	21.40	19.63	19.94	19.68	
21	18.92	21.69	19.81	21.62	26.48	26.92	27.92	21.87	21.17	19.61	19.84	19.57	
22	19.07	21.66	19.75	21.86	26.50	27.00	27.78	21.75	21.03	19.57	19.39	19.44	
23	19.17	21.40	19.72	22.50	26.52	27.07	27.65	21.65	21.10	19.53	19.19	19.48	
24	19.25	21.14	19.68	23.51	26.62	27.15	27.48	21.65	21.07	19.31	19.41	19.56	
25	19.32	20.89	19.64	24.42	26.74	27.22	27.31	21.59	20.98	19.30	19.73	19.55	
26	19.26	20.60	19.59	24.95	26.75	27.28	27.15	21.52	20.85	19.20	20.02	19.53	
27	19.18	20.24	19.53	25.03	26.75	27.44	26.99	21.41	20.54	19.10	20.12	19.48	
28	19.12	19.97	19.46	24.94	26.81	27.66	26.83	21.35	20.41	18.98	20.11	19.40	
29	19.08	19.81	19.42	24.68	26.90	27.84	26.63	21.28	20.41	18.90		19.47	
30	19.11	19.70	19.39	24.34	27.01	27.96	26.41	21.08	20.40	18.87		19.56	
31		19.59		23.93	27.07		26.23		20.40	18.83		19.60	
Mean	19.19	19.81	19.85	21.36	25.30	26.80	27.91	23.12	20.85	19.68	19.63	19.87	
Max	19.36	21.69	20.32	25.03	27.07	27.96	28.51	26.02	21.41	20.40	20.12	20.36	28.51
Min	18.92	18.90	19.39	18.73	22.18	26.11	26.23	21.08	20.40	18.83	19.00	19.40	18.73
Annual Max Momentary Gage Height	28.52		m. (MSL.) ,		at 02.00 Hours , on Oct 10, 2022								
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,		River Bed	14.37	m. (MSL.)						
Left Bank Elevation		29.84	m. (MSL.) ,										
Right Bank Elevation		32.10	m. (MSL.) ,		Drainage Are	32,637	Square Kilometers						



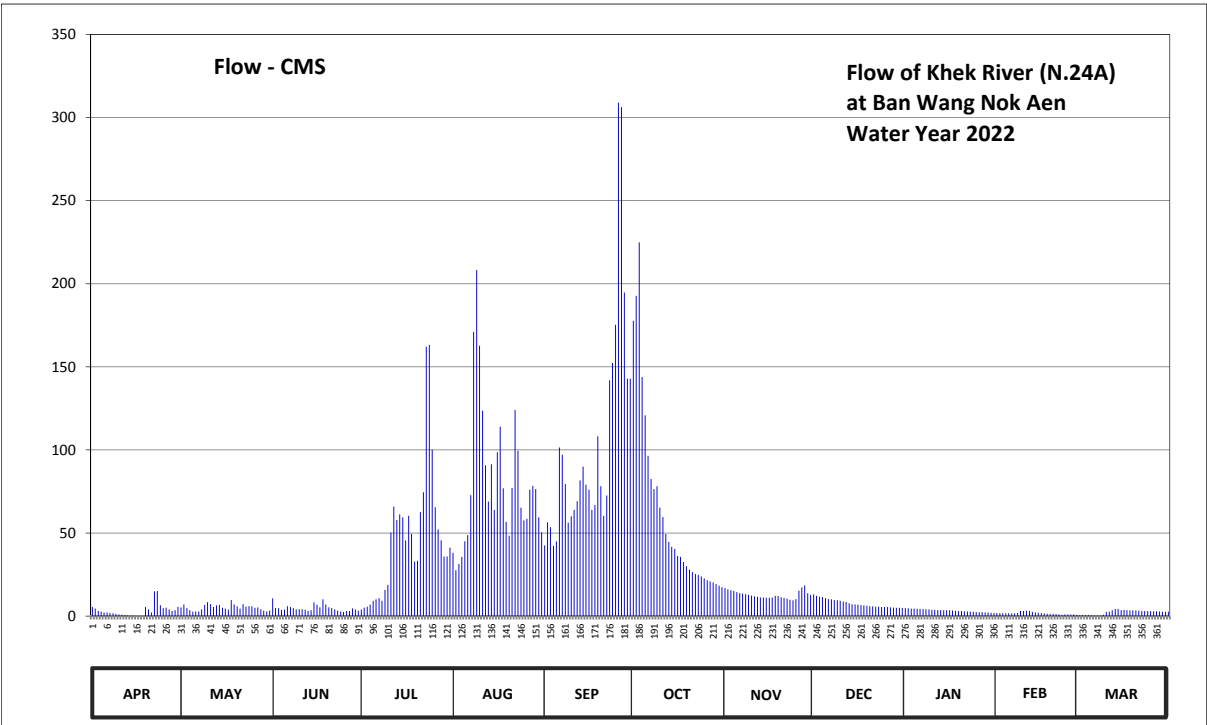
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	110.83	110.83	138.41	116.22	492.46	909.89	1045.80	778.63	241.94	187.58	96.44	162.44		
2	110.23	112.62	158.00	110.23	406.54	895.35	1053.37	750.93	246.29	184.63	101.84	163.92		
3	112.02	115.62	155.47	100.04	398.61	879.62	1065.99	715.76	237.59	182.41	107.83	147.26		
4	114.42	120.42	146.00	91.76	423.41	848.16	1077.34	684.35	232.58	179.45	113.22	147.89		
5	115.02	119.82	148.52	86.04	405.55	823.59	1091.22	649.19	230.18	175.75	119.22	163.18		
6	116.82	113.82	151.68	82.40	363.02	808.18	1097.52	619.46	218.98	171.31	124.61	169.83		
7	118.02	107.23	153.58	85.00	342.45	792.76	1102.57	598.39	206.98	165.40	127.67	175.75		
8	116.22	101.84	156.74	89.68	372.82	790.19	1106.37	573.89	201.38	161.70	134.62	184.63		
9	113.22	95.40	163.92	98.24	448.03	800.47	1106.37	548.09	194.24	154.21	137.78	184.63		
10	110.83	91.24	167.62	111.43	560.43	809.46	1106.37	544.72	190.54	150.42	141.57	177.97		
11	109.03	98.84	173.53	125.81	670.53	822.31	1105.09	541.36	193.50	148.52	143.47	175.75		
12	106.63	107.23	177.97	143.47	740.88	817.17	1102.57	506.88	202.18	145.36	150.42	176.49		
13	104.83	111.43	181.67	180.93	772.29	827.44	1100.04	483.59	208.58	140.94	150.42	164.66		
14	104.23	116.82	177.97	212.58	781.20	836.44	1096.26	463.02	214.18	139.68	146.63	156.11		
15	104.23	120.42	166.88	248.02	787.62	846.85	1092.48	433.05	218.98	137.78	146.00	163.18		
16	106.03	122.21	147.26	274.98	801.75	856.02	1087.43	391.66	241.94	137.78	137.78	171.31		
17	104.83	124.61	140.94	309.06	817.17	866.51	1079.86	358.13	259.33	136.52	136.52	157.37		
18	101.84	133.99	139.68	324.82	822.31	875.69	1069.77	336.58	263.68	136.52	133.99	147.89		
19	98.84	151.05	143.47	316.48	828.73	880.93	1058.42	326.78	270.63	136.52	137.78	143.47		
20	95.40	213.38	148.52	301.64	833.87	886.18	1049.59	319.26	269.76	134.62	154.21	137.78		
21	92.28	296.08	146.00	289.59	837.72	895.35	1031.04	312.77	249.76	133.36	147.89	130.83		
22	100.64	293.30	142.21	311.84	840.29	905.84	1011.81	301.64	237.59	130.83	119.82	122.81		
23	106.63	269.76	140.31	373.80	842.91	915.29	993.97	292.37	243.68	128.31	107.83	125.21		
24	111.43	247.15	137.78	478.05	856.02	926.10	970.67	292.37	241.07	115.02	121.02	130.20		
25	115.62	226.18	135.26	579.50	871.75	935.55	947.71	286.81	233.38	114.42	140.94	129.57		
26	112.02	202.98	132.10	644.24	873.07	943.66	926.10	280.31	222.98	108.43	159.48	128.31		
27	107.23	175.75	128.31	654.20	873.07	965.27	904.53	270.63	198.18	102.43	166.88	125.21		
28	103.63	156.11	124.01	643.00	880.93	995.34	883.55	265.42	188.32	95.40	166.14	120.42		
29	101.24	146.00	121.62	610.78	892.73	1020.05	857.33	259.33	188.32	91.24		124.61		
30	103.03	139.05	119.82	570.53	907.19	1036.53	828.73	241.94	187.58	89.68		130.20		
31		132.10		524.62	915.29		805.61		187.58	87.60		132.73		
Total	3227.27	4673.28	4465.25	9088.98	21660.64	26412.19	31855.48	13427.31	6921.90	4303.82	3772.02	4671.61	134479.75	CMSDAY
Mean	107.58	150.75	148.84	293.19	698.73	880.41	1027.60	447.58	223.29	138.83	134.72	150.70	368.44	CMS
Max	118.02	296.08	181.67	654.20	915.29	1036.53	1106.37	778.63	270.63	187.58	166.88	184.63	1106.37	CMS
Min	92.28	91.24	119.82	82.40	342.45	790.19	805.61	241.94	187.58	87.60	96.44	120.42	82.40	CMS
Runoff	278.84	403.77	385.80	785.29	1871.48	2282.01	2752.31	1160.12	598.05	371.85	325.90	403.63	11619.05	MCM
Momentary Peak	1107.65	CMS. at 28.52 m. (MSL.) at 02.00 Hours , on Oct 10, 2022												
Runoff Yield	11.29	Liters/Second/Square KM.		Momentary Peak Yield		33.94	Liters/Second/Square KM.							

WATER YEAR : 2022													
NAN RIVER BASIN													
Khwae Noi River at Ban Tha Ngam , Phitsanulok (N.22A)													
Lat 16 - 59 - 33 N Long 100 - 19 - 31 E													
Location : on left bank at Ban Tha Ngam.													
	Ban Tha Ngam			Amphoe Wat Bot			Changwat Phitsanulok						
Drainge Area	4,750 sq.km.												
Type of Gage	Water - stage recorder												
Zero Gage at Bottom	+41.630 m. (MSL.)												
Bench Mark	B.M.-H.D.												
Location BM	Near the gage site.						Elevation	+52.936 m. (MSL.)					
Gage Reading Frequency	Recording												
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings												
Period of Available Gage Records	2008 to date												
Rating Operation													
Period of Rating	2008 to date												
Rated by Flot	-												
Rated by Current Meter	2008 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 23 discharge measurements made in 2022.												
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	43.09	43.12	42.72	42.66	44.34	45.82	44.55	42.24	42.78	42.96	43.13	42.92	
2	43.01	43.09	42.96	42.72	44.06	45.57	44.10	42.58	42.89	42.99	43.11	42.83	
3	43.01	42.96	43.04	42.75	43.90	45.29	45.16	42.63	42.68	43.00	43.10	42.82	
4	43.33	43.02	43.08	42.55	43.83	45.26	44.51	42.72	42.72	43.02	43.10	42.80	
5	43.54	43.00	43.09	42.41	43.80	45.24	44.56	42.80	42.69	42.95	43.08	42.83	
6	43.57	43.08	43.18	42.80	44.05	45.21	44.50	42.75	42.71	42.97	43.13	42.87	
7	43.60	43.06	43.19	43.06	44.10	45.13	44.27	42.75	42.83	42.91	43.14	42.86	
8	43.61	43.14	42.99	42.97	44.92	45.11	44.70	42.77	43.07	42.90	43.13	42.85	
9	43.56	43.04	42.88	43.01	44.74	45.20	45.01	42.72	43.10	42.94	43.10	42.82	
10	43.62	43.06	42.94	42.79	43.57	45.30	44.77	42.52	42.92	42.97	43.05	42.74	
11	43.59	43.03	42.94	42.79	43.01	45.01	44.53	42.54	42.96	42.98	42.99	42.78	
12	43.57	42.87	42.96	42.74	43.00	44.90	44.35	42.54	42.91	42.98	42.96	42.76	
13	43.65	42.82	43.02	42.83	43.09	44.58	44.29	42.54	42.88	42.97	43.01	42.81	
14	43.49	42.78	42.91	42.52	44.21	44.30	44.24	42.44	43.02	42.99	42.98	42.85	
15	43.14	42.58	43.14	42.73	44.24	44.19	44.11	42.35	42.93	43.03	42.94	42.86	
16	43.18	42.75	43.03	42.38	44.48	44.26	43.98	42.56	43.04	43.17	43.05	42.85	
17	43.11	42.91	42.95	42.43	44.96	44.23	43.68	42.67	43.60	43.48	42.66	42.86	
18	43.17	43.47	42.94	42.56	44.98	44.22	43.42	42.81	43.61	43.39	42.53	42.82	
19	43.22	42.80	42.85	42.69	45.07	44.49	42.90	42.79	43.81	43.37	42.61	42.85	
20	43.56	42.69	43.10	42.73	44.93	44.21	42.39	42.74	44.07	43.36	42.94	42.84	
21	43.57	42.56	43.01	43.05	45.02	44.06	42.56	42.78	43.84	43.30	43.09	42.89	
22	43.44	42.58	42.94	43.75	45.54	43.79	42.67	42.79	43.65	42.89	43.02	42.93	
23	43.32	42.57	42.73	43.44	45.73	43.85	42.41	42.81	43.56	43.01	43.51	42.94	
24	43.19	42.33	42.80	43.24	45.31	44.00	42.44	42.81	43.21	42.85	43.44	42.94	
25	43.33	42.33	42.84	43.19	45.28	44.26	42.41	42.89	42.70	42.97	43.38	42.96	
26	43.35	42.67	42.87	43.16	45.43	44.33	42.38	42.95	43.01	42.94	43.39	42.95	
27	43.37	42.77	42.83	43.12	45.86	44.54	42.50	42.84	42.96	43.01	43.41	42.92	
28	43.42	42.91	42.70	43.17	46.30	44.16	42.36	42.71	43.00	43.02	42.79	42.92	
29	43.30	42.84	42.67	43.59	46.31	43.95	42.48	42.68	42.95	43.09		42.97	
30	43.04	42.81	42.78	43.56	46.31	43.99	42.45	42.69	43.02	43.11		42.97	
31		42.77		43.68	46.00		42.47		42.97	43.11		42.91	
Mean	43.36	42.85	42.94	42.94	44.72	44.61	43.59	42.68	43.10	43.05	43.06	42.87	
Max	43.65	43.47	43.19	43.75	46.31	45.82	45.16	42.95	44.07	43.48	43.51	42.97	46.31
Min	43.01	42.33	42.67	42.38	43.00	43.79	42.36	42.24	42.68	42.85	42.53	42.74	42.24
Annual Max Momentary Gage Height	46.36	m. (MSL.) ,		at 03.00 Hours , on Aug 28, 2022									
Zero Gage at Bottom Elevation		41.63	m. (MSL.) ,		River Bed	39.37	m. (MSL.)						
Left Bank Elevation		49.32	m. (MSL.) ,										
Right Bank Elevation		49.49	m. (MSL.) ,		Drainage Are	4,750	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	42.72	43.86	28.66	26.50	107.48	212.40	120.65	13.20	30.94	37.78	44.24	36.26		
2	39.68	42.72	37.78	28.66	90.40	193.65	92.80	23.72	35.12	38.92	43.48	32.84		
3	39.68	37.78	40.82	29.80	81.40	172.65	162.90	25.45	27.20	39.30	43.10	32.46		
4	52.75	40.06	42.34	22.70	77.62	170.40	118.05	28.66	28.66	40.06	43.10	31.70		
5	62.44	39.30	42.72	18.30	76.00	168.90	121.30	31.70	27.55	37.40	42.34	32.84		
6	63.97	42.34	46.14	31.70	89.80	166.65	117.40	29.80	28.28	38.16	44.24	34.36		
7	65.50	41.58	46.52	41.58	92.80	160.65	103.14	29.80	32.84	35.88	44.62	33.98		
8	66.01	44.62	38.92	38.16	145.38	159.15	130.50	30.56	41.96	35.50	44.24	33.60		
9	63.46	40.82	34.74	39.68	133.14	165.90	151.65	28.66	43.10	37.02	43.10	32.46		
10	66.52	41.58	37.02	31.32	63.97	173.40	135.12	21.68	36.26	38.16	41.20	29.42		
11	64.99	40.44	37.02	31.32	39.68	151.65	119.35	22.36	37.78	38.54	38.92	30.94		
12	63.97	34.36	37.78	29.42	39.30	144.00	108.10	22.36	35.88	38.54	37.78	30.18		
13	68.05	32.46	40.06	32.84	42.72	122.60	104.38	22.36	34.74	38.16	39.68	32.08		
14	59.95	30.94	35.88	21.68	99.42	105.00	101.28	19.20	40.06	38.92	38.54	33.60		
15	44.62	23.72	44.62	29.04	101.28	98.20	93.40	16.50	36.64	40.44	37.02	33.98		
16	46.14	29.80	40.44	17.40	116.16	102.52	85.72	23.04	40.82	45.76	41.20	33.60		
17	43.48	35.88	37.40	18.90	148.14	100.66	69.58	26.85	65.50	59.50	26.50	33.98		
18	45.76	59.05	37.02	23.04	149.52	100.04	56.80	32.08	66.01	55.45	22.02	32.46		
19	47.80	31.70	33.60	27.55	156.15	116.78	35.50	31.32	76.54	54.55	24.75	33.60		
20	63.46	27.55	43.10	29.04	146.07	99.42	17.70	29.42	91.00	54.10	37.02	33.22		
21	63.97	23.04	39.68	41.20	152.40	90.40	23.04	30.94	78.16	51.40	42.72	35.12		
22	57.70	23.72	37.02	73.30	191.40	75.46	26.85	31.32	68.05	35.12	40.06	36.64		
23	52.30	23.38	29.04	57.70	205.65	78.70	18.30	32.08	63.46	39.68	60.91	37.02		
24	46.52	15.90	31.70	48.70	174.15	86.80	19.20	32.08	47.35	33.60	57.70	37.02		
25	52.75	15.90	33.22	46.52	171.90	102.52	18.30	35.12	27.90	38.16	55.00	37.78		
26	53.65	26.85	34.36	45.38	183.15	106.86	17.40	37.40	39.68	37.02	55.45	37.40		
27	54.55	30.56	32.84	43.86	215.40	120.00	21.00	33.22	37.78	39.68	56.35	36.26		
28	56.80	35.88	27.90	45.76	248.40	96.40	16.80	28.28	39.30	40.06	31.32	36.26		
29	51.40	33.22	26.85	64.99	249.15	84.10	20.40	27.20	37.40	42.72		38.16		
30	40.82	32.08	30.94	63.46	249.15	86.26	19.50	27.55	40.06	43.48		38.16		
31		30.56		69.58	225.90		20.10		38.16	43.48		35.88		
Total	1641.41	1051.65	1106.13	1169.08	4263.08	3812.12	2266.21	823.91	1374.18	1286.54	1176.60	1063.26	21034.17	CMSDAY
Mean	54.71	33.92	36.87	37.71	137.52	127.07	73.10	27.46	44.33	41.50	42.02	34.30	57.63	CMS
Max	68.05	59.05	46.52	73.30	249.15	212.40	162.90	37.40	91.00	59.50	60.91	38.16	249.15	CMS
Min	39.68	15.90	26.85	17.40	39.30	75.46	16.80	13.20	27.20	33.60	22.02	29.42	13.20	CMS
Runoff	141.82	90.86	95.57	101.01	368.33	329.37	195.80	71.19	118.73	111.16	101.66	91.87	1817.35	MCM
Momentary Peak	CMS. at 46.36 m. (MSL.) at 03.00 Hours , on Aug 28 , 2022													
Runoff Yield	12.13	Liters/Second/Square KM.			Momentary Peak Yield				53.24	Liters/Second/Square KM.				



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	5.60	5.20	10.72	3.92	38.08	42.56	177.70	16.88	13.04	4.80	1.92	0.56		
2	4.48	7.04	4.88	5.12	27.66	56.40	192.77	16.11	12.24	4.72	1.84	0.64		
3	3.12	4.80	4.80	5.68	31.26	53.55	224.86	15.60	11.68	4.56	1.76	0.56		
4	2.72	3.52	3.76	6.96	35.65	42.14	143.84	15.20	11.44	4.48	1.68	0.56		
5	2.24	2.72	3.92	9.12	45.09	44.95	120.80	14.40	10.80	4.40	1.68	0.48		
6	2.16	2.80	5.92	10.08	48.75	101.44	96.50	13.84	10.24	4.32	1.60	0.40		
7	1.92	2.80	5.44	10.80	72.80	97.10	82.47	13.52	10.08	4.24	1.60	0.40		
8	1.68	4.00	4.80	9.28	171.10	79.46	76.45	13.20	9.68	4.16	1.92	0.40		
9	1.36	6.72	4.00	15.76	208.27	56.25	78.17	12.80	9.52	4.00	3.12	0.88		
10	1.04	8.40	4.16	18.73	162.65	60.04	65.31	12.32	9.20	3.76	3.12	2.48		
11	0.88	7.20	4.16	50.25	123.60	63.95	59.55	11.92	8.80	3.76	3.28	2.72		
12	0.64	5.44	3.84	65.82	90.80	69.13	49.35	11.60	8.48	3.68	3.04	3.52		
13	0.48	6.48	3.20	57.90	68.95	81.61	44.66	11.28	7.68	3.68	2.56	4.32		
14	0.32	6.72	3.60	61.23	91.40	89.90	41.72	11.12	7.12	3.60	2.24	4.32		
15	0.24	5.04	8.24	59.40	63.95	79.03	40.46	11.04	7.04	3.60	2.00	3.60		
16	0.00	4.48	6.80	45.53	98.60	76.02	36.15	11.04	6.88	3.52	1.84	3.76		
17	0.00	3.84	5.28	60.38	114.00	63.95	35.65	11.12	6.64	3.36	1.60	3.60		
18	0.00	9.60	10.08	49.50	76.88	66.85	32.58	12.08	6.48	3.20	1.44	3.36		
19	5.44	7.04	6.96	32.82	56.70	108.16	30.06	12.16	6.24	3.04	1.36	3.44		
20	4.08	5.84	5.28	33.30	48.45	78.17	28.02	11.36	6.00	3.04	1.36	3.44		
21	2.16	4.56	4.80	62.59	77.10	60.38	26.48	10.96	5.84	2.88	1.28	3.28		
22	14.96	7.20	4.08	74.52	124.00	72.58	25.27	10.48	5.68	2.80	1.04	3.04		
23	15.12	5.68	3.28	162.10	99.52	141.86	24.72	9.84	5.68	2.72	0.72	3.04		
24	6.56	6.00	2.80	163.20	65.31	152.26	23.87	9.52	5.52	2.64	1.04	2.96		
25	4.80	5.84	2.48	100.16	57.60	175.30	22.72	10.16	5.52	2.48	1.04	2.96		
26	5.12	4.96	3.04	65.48	58.50	308.98	21.56	15.28	5.44	2.40	0.96	2.88		
27	4.00	5.20	3.04	52.20	76.02	306.20	20.93	17.21	5.28	2.40	1.04	2.88		
28	3.04	4.00	4.64	45.67	78.39	194.69	20.30	18.52	5.12	2.24	0.80	2.80		
29	3.60	3.20	3.92	35.78	76.45	142.85	19.25	13.76	5.04	2.16		2.64		
30	5.60	2.80	3.28	35.90	59.40	142.85	18.31	12.80	4.96	2.00		2.56		
31		3.28		41.16	50.40		17.43		4.88	1.92		2.72		
Total	103.36	162.40	145.20	1450.34	2497.33	3108.61	1897.91	387.12	238.24	104.56	48.88	75.20	10219.15	CMSDAY
Mean	3.45	5.24	4.84	46.79	80.56	103.62	61.22	12.90	7.69	3.37	1.75	2.43	28.00	CMS
Max	15.12	9.60	10.72	163.20	208.27	308.98	224.86	18.52	13.04	4.80	3.28	4.32	308.98	CMS
Min	0.00	2.72	2.48	3.92	27.66	42.14	17.43	9.52	4.88	1.92	0.72	0.40	0.00	CMS
Runoff	8.93	14.03	12.55	125.31	215.77	268.58	163.98	33.45	20.58	9.03	4.22	6.50	882.93	MCM
Momentary Peak	365.60 CMS. at 53.10 m. (MSL.) at 04.00 Hours , on Sep 27, 2022													
Runoff Yield	15.22	Liters/Second/Square KM.			Momentary Peak Yield			198.70	Liters/Second/Square KM.					

WATER YEAR : 2022**NAN RIVER BASIN****Nan River at Ban Nong Kham , Phitsanulok (N.27A)**

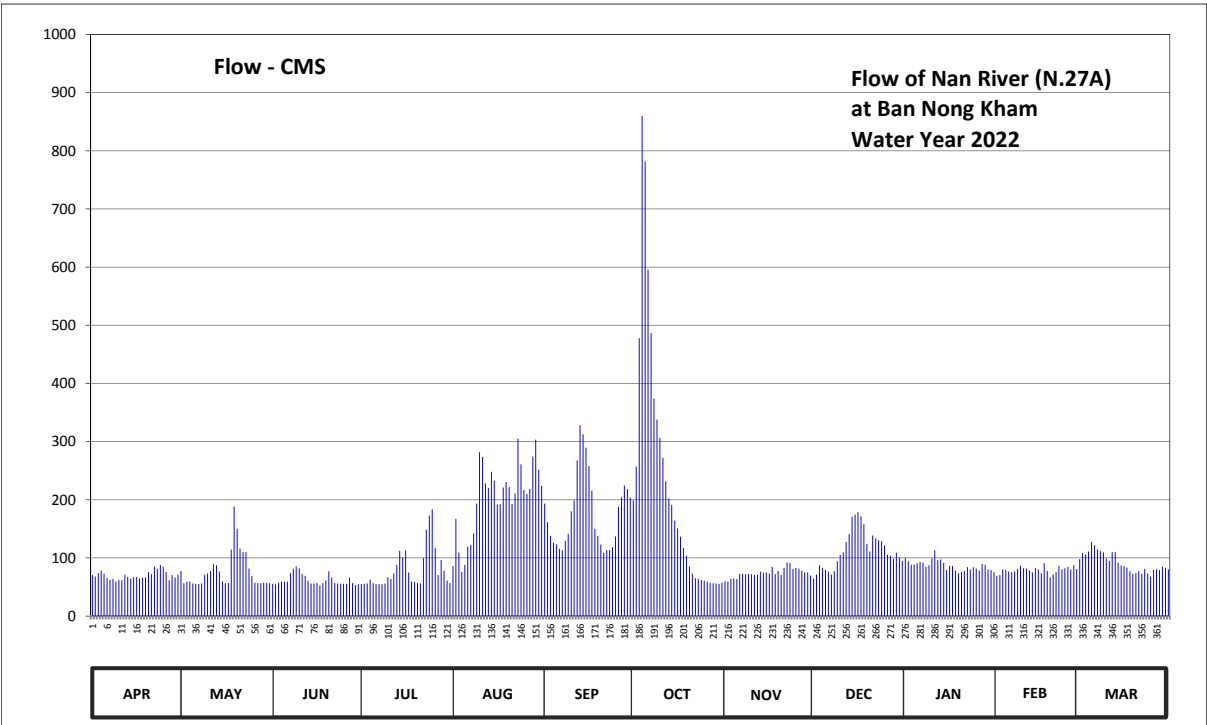
Lat 17 - 01 - 51 N Long 100 - 10 - 48 E

Location : on right bank about 1.8 kilometers downstream from Phrom Phiram Dam.

	Ban	Nong Kham	Amphoe	Phrom Phiram	Changwat	Phitsanulok
Drainge Area	19,066	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+38.430	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	About 10 meters from the top staff gage.				Elevation	+49.457 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1980 to date					
Rating Operation						
Period of Rating	1980 to date					
Rated by Float	-					
Rated by Current Meter	1980 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Flow regulated by Naresuan Dam about 2 kilometers above gage site. Stage-discharge relation defined by 25 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	39.03	39.17	38.72	38.71	39.35	41.26	41.35	38.81	38.90	39.62	39.00	39.58	
2	38.97	38.74	38.70	38.72	40.82	40.72	42.24	38.80	39.04	39.51	39.03	39.78	
3	39.09	38.80	38.75	38.73	39.80	40.32	44.56	38.90	39.38	39.39	39.23	39.73	
4	39.19	38.80	38.79	38.86	39.13	40.11	46.77	38.91	39.29	39.41	39.22	39.83	
5	39.08	38.73	38.79	38.74	39.40	40.06	46.43	38.88	39.21	39.45	39.15	40.13	
6	38.92	38.72	38.80	38.71	39.98	39.91	45.42	39.07	39.15	39.49	39.13	40.03	
7	38.86	38.71	39.09	38.71	40.04	39.87	44.63	39.07	39.04	39.47	39.16	39.89	
8	38.89	38.73	39.26	38.71	40.39	40.17	43.62	39.06	39.16	39.33	39.24	39.84	
9	38.79	39.04	39.34	38.73	41.26	40.38	43.24	39.06	39.51	39.38	39.36	39.80	
10	38.85	39.08	39.27	38.95	42.57	41.04	42.88	39.06	39.72	39.60	39.27	39.60	
11	38.84	39.17	39.07	38.89	42.46	41.35	42.44	39.03	39.80	39.87	39.26	39.52	
12	39.04	39.42	39.00	39.08	41.78	42.38	41.84	39.04	40.13	39.55	39.19	39.81	
13	38.96	39.38	38.83	39.39	41.67	43.13	41.41	39.15	40.37	39.57	39.12	39.81	
14	38.90	39.15	38.73	39.85	42.10	42.95	41.22	39.11	40.88	39.46	39.28	39.47	
15	38.95	38.80	38.73	39.63	41.86	42.67	40.76	39.12	40.94	39.20	39.23	39.37	
16	38.96	38.74	38.74	39.86	41.23	42.25	40.54	39.08	41.01	39.36	39.09	39.35	
17	38.91	38.75	38.66	39.12	41.24	41.60	40.29	39.32	40.89	39.35	39.45	39.30	
18	38.94	39.89	38.74	38.80	41.68	40.52	39.94	39.06	40.66	39.19	39.17	39.16	
19	38.95	41.17	38.83	38.78	41.82	40.31	39.69	39.17	40.07	39.09	38.94	39.07	
20	39.13	40.52	39.16	38.74	41.69	40.05	39.34	39.03	39.83	39.14	39.05	39.10	
21	39.06	39.92	38.94	38.73	41.25	39.79	39.08	39.29	40.33	39.18	39.14	39.16	
22	39.33	39.81	38.74	39.61	41.53	39.87	38.91	39.47	40.24	39.31	39.36	39.07	
23	39.25	39.81	38.73	40.50	42.86	39.87	38.89	39.46	40.19	39.23	39.23	39.25	
24	39.38	39.26	38.72	40.91	42.29	39.97	38.85	39.24	40.16	39.31	39.27	39.08	
25	39.32	38.99	38.72	41.10	41.62	40.30	38.83	39.28	40.02	39.26	39.32	38.98	
26	39.14	38.76	38.72	39.94	41.52	41.17	38.80	39.26	39.72	39.19	39.23	39.22	
27	38.84	38.74	38.94	39.03	41.64	41.44	38.76	39.18	39.69	39.42	39.38	39.23	
28	39.03	38.74	38.74	39.55	42.47	41.73	38.74	39.12	39.59	39.39	39.24	39.21	
29	38.94	38.76	38.68	39.18	42.84	41.64	38.73	39.12	39.79	39.23		39.32	
30	39.04	38.76	38.71	38.83	42.16	41.43	38.72	39.01	39.63	39.21		39.29	
31		38.74		38.75	41.72		38.76		39.52	39.13		39.23	
Mean	39.02	39.15	38.85	39.22	41.36	40.94	41.15	39.11	39.87	39.36	39.20	39.46	
Max	39.38	41.17	39.34	41.10	42.86	43.13	46.77	39.47	41.01	39.87	39.45	40.13	46.77
Min	38.79	38.71	38.66	38.71	39.13	39.79	38.72	38.80	38.90	39.09	38.94	38.98	38.66
Annual Max Momentary Gage Height	47.03		m. (MSL.) ,			at 18.00 Hours ,	on Oct 4, 2022						
Zero Gage at Bottom Elevation		38.43	m. (MSL.) ,			River Bed	34.45	m. (MSL.)					
Left Bank Elevation		48.91	m. (MSL.) ,										
Right Bank Elevation		48.31	m. (MSL.) ,			Drainage Are	19,066	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	70.73	77.42	55.58	55.09	86.01	193.37	198.73	59.99	64.40	100.01	69.30	97.90		
2	67.83	56.56	54.60	55.58	167.35	161.49	257.26	59.50	71.21	94.21	70.73	108.45		
3	73.60	59.50	57.05	56.07	109.50	138.04	477.87	64.40	87.45	87.92	80.29	105.81		
4	78.38	59.50	59.01	62.44	75.51	126.16	859.97	64.89	83.15	88.93	79.81	111.11		
5	73.12	56.07	59.01	56.56	88.40	123.48	781.98	63.42	79.33	91.04	76.47	127.24		
6	65.38	55.58	59.50	55.09	119.18	115.41	595.83	72.65	76.47	93.15	75.51	121.86		
7	62.44	55.09	73.60	55.09	122.40	113.26	486.67	72.65	71.21	92.10	76.94	114.34		
8	63.91	56.07	81.72	55.09	142.14	129.39	373.90	72.17	76.94	85.06	80.76	111.65		
9	59.01	71.21	85.54	56.07	193.37	141.55	337.74	72.17	94.21	87.45	86.49	109.50		
10	61.95	73.12	82.20	66.85	281.68	180.28	306.72	72.17	105.28	98.96	82.20	98.96		
11	61.46	77.42	72.65	63.91	273.54	198.73	272.06	70.73	109.50	113.26	81.72	94.74		
12	71.21	89.46	69.30	73.12	227.92	267.62	231.80	71.21	127.24	96.32	78.38	110.04		
13	67.34	87.45	60.97	87.92	220.33	328.01	202.39	76.47	140.97	97.37	75.04	110.04		
14	64.40	76.47	56.07	112.19	248.05	312.43	190.99	74.56	170.87	91.57	82.67	92.10		
15	66.85	59.50	56.07	100.54	233.05	289.61	163.83	75.04	174.38	78.85	80.29	86.97		
16	67.34	56.56	56.56	112.73	191.59	258.00	150.93	73.12	178.50	86.49	73.60	86.01		
17	64.89	57.05	52.64	75.04	192.18	215.50	136.28	84.58	171.45	86.01	91.04	83.63		
18	66.36	114.34	56.56	59.50	221.02	149.76	117.03	72.17	157.97	78.38	77.42	76.94		
19	66.85	188.02	60.97	58.52	230.55	137.45	103.70	77.42	124.01	73.60	66.36	72.65		
20	75.51	149.76	76.94	56.56	221.71	122.94	85.54	70.73	111.11	75.99	71.69	74.08		
21	72.17	115.95	66.36	56.07	192.78	108.97	73.12	83.15	138.62	77.90	75.99	76.94		
22	85.06	110.04	56.56	99.48	210.67	113.26	64.89	92.10	133.35	84.10	86.49	72.65		
23	81.24	110.04	56.07	148.59	305.09	113.26	63.91	91.57	130.46	80.29	80.29	81.24		
24	87.45	81.72	55.58	172.62	260.96	118.64	61.95	80.76	128.85	84.10	82.20	73.12		
25	84.58	68.81	55.58	183.85	216.88	136.86	60.97	82.67	121.33	81.72	84.58	68.32		
26	75.99	57.54	55.58	117.03	209.98	188.02	59.50	81.72	105.28	78.38	80.29	79.81		
27	61.46	56.56	66.36	70.73	218.26	204.46	57.54	77.90	103.70	89.46	87.45	80.29		
28	70.73	56.56	56.56	96.32	274.28	224.47	56.56	75.04	98.43	87.92	80.76	79.33		
29	66.36	57.54	53.62	77.90	303.46	218.26	56.07	75.04	108.97	80.29		84.58		
30	71.21	57.54	55.09	60.97	251.80	203.77	55.58	69.78	100.54	79.33		83.15		
31		56.56		57.05	223.78		57.54		94.74	75.51		80.29		
Total	2104.81	2405.01	1863.90	2514.57	6313.42	5332.45	6998.85	2229.77	3539.92	2695.67	2214.76	2853.74	41066.87	CMSDAY
Mean	70.16	77.58	62.13	81.12	203.66	177.75	225.77	74.33	114.19	86.96	79.10	92.06	112.51	CMS
Max	87.45	188.02	85.54	183.85	305.09	328.01	859.97	92.10	178.50	113.26	91.04	127.24	859.97	CMS
Min	59.01	55.09	52.64	55.09	75.51	108.97	55.58	59.50	64.40	73.60	66.36	68.32	52.64	CMS
Runoff	181.86	207.79	161.04	217.26	545.48	460.72	604.70	192.65	305.85	232.91	191.36	246.56	3548.18	MCM
Momentary Peak	923.89 CMS. at 47.03 m. (MSL.) at 18.00 Hours , on Oct 4, 2022													
Runoff Yield	5.90	Liters/Second/Square KM.			Momentary Peak Yield			48.46	Liters/Second/Square KM.					

WATER YEAR : 2022**NAN RIVER BASIN****Khlong Tron at Ban Na Klam , Uttaradit (N.28A)**

Lat 17 - 35 - 08 N Long 100 - 29 - 17 E

Location : on right bank at Ban Na Klam.

	Ban	Na Klam	Amphoe	Nam Pat	Changwat	Uttaradit
Drainage Area	362	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+120.274 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the gage site.				Elevation	+126.015 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1997 to date					
Rating Operation						
Period of Rating	1997 to date					
Rated by Flot	-					
Rated by Current Meter	1997 to date					
Stability of Channel Regimes	Rather unstable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 15 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	122.27	121.93	122.01	121.95	122.28	122.38	122.46	121.92	121.66	121.61	122.04	122.04	
2	122.27	121.93	122.05	121.96	122.18	122.40	122.88	121.92	121.66	121.96	122.03	122.09	
3	122.27	121.91	122.02	121.96	122.13	122.28	122.80	121.92	121.66	121.96	122.04	122.03	
4	122.25	121.91	122.02	122.09	122.12	122.25	122.64	121.92	121.66	121.96	121.96	122.05	
5	122.27	121.91	122.05	121.96	122.12	122.23	122.58	121.91	121.66	121.96	122.05	122.04	
6	122.27	121.90	122.03	121.91	122.13	122.23	122.43	121.90	121.65	121.96	122.02	121.96	
7	122.27	121.98	122.01	121.90	122.40	122.23	122.28	121.90	121.65	121.96	121.99	122.14	
8	122.26	122.06	122.00	122.06	122.81	122.23	122.26	121.90	121.65	122.02	122.06	122.08	
9	122.25	122.15	122.01	122.08	122.66	122.23	122.25	121.90	121.65	122.01	122.05	122.04	
10	122.25	122.17	122.06	122.09	122.28	122.23	122.31	121.90	121.65	122.04	122.04	122.01	
11	122.25	122.16	122.05	122.10	122.24	122.42	122.22	121.93	121.64	121.95	122.04	122.09	
12	122.18	122.11	122.03	122.08	122.86	122.48	122.22	121.68	121.64	121.96	122.04	121.99	
13	122.25	122.08	121.98	122.13	122.44	122.55	122.08	121.65	121.64	121.96	122.04	121.99	
14	122.25	122.06	122.04	122.13	122.41	122.36	122.06	121.64	121.64	121.96	121.97	121.96	
15	122.23	122.07	122.07	122.27	122.45	122.25	122.20	121.64	121.64	121.95	121.97	121.96	
16	122.26	122.05	122.02	122.17	122.40	122.20	122.20	121.64	121.63	121.97	121.97	121.94	
17	122.27	122.90	122.02	122.14	122.87	122.22	122.20	121.64	121.63	121.97	121.97	121.94	
18	122.27	122.30	122.00	122.11	122.98	122.21	122.20	121.64	121.62	121.97	122.13	121.75	
19	122.27	122.28	122.02	122.07	122.68	122.28	122.10	121.64	121.62	121.96	122.13	121.93	
20	122.27	122.26	122.05	122.09	122.59	122.34	121.99	121.64	121.61	121.96	122.11	121.93	
21	122.17	122.15	122.02	122.26	124.35	122.37	121.96	121.64	121.61	121.96	122.14	121.88	
22	122.12	122.13	121.98	122.25	123.31	122.28	121.98	121.63	121.61	121.97	122.02	121.95	
23	122.07	122.15	121.97	122.18	122.95	122.23	121.98	121.63	121.61	121.97	121.92	121.95	
24	122.02	122.11	121.95	122.15	122.52	122.26	121.98	121.63	121.61	121.96	121.97	121.95	
25	121.97	122.16	121.94	122.15	122.53	122.23	121.98	121.63	121.61	121.97	121.97	121.96	
26	121.92	122.09	121.94	122.12	122.34	122.39	121.93	121.65	121.61	121.95	121.96	121.96	
27	121.91	122.07	121.94	122.09	122.88	122.35	121.93	121.73	121.60	121.97	122.05	121.95	
28	121.90	122.05	121.92	122.07	122.43	122.42	121.93	121.70	121.60	121.97	122.05	121.94	
29	121.89	122.03	121.92	122.04	122.42	122.39	121.93	121.67	121.60	121.97		121.94	
30	121.89	122.01	121.92	122.05	122.40	122.40	121.92	121.66	121.60	121.95		122.18	
31		122.00		122.91	122.44		121.92		121.60	121.97		122.19	
Mean	122.17	122.10	122.00	122.11	122.57	122.31	122.19	121.75	121.63	121.96	122.03	121.99	
Max	122.27	122.90	122.07	122.91	124.35	122.55	122.88	121.93	121.66	122.04	122.14	122.19	124.35
Min	121.89	121.90	121.92	121.90	122.12	122.20	121.92	121.63	121.60	121.61	121.92	121.75	121.60
Annual Max Momentary Gage Height	125.42	m. (MSL.) ,		at 12.00 Hours , on Aug 21, 2022									
Zero Gage at Bottom Elevation	120.27	m. (MSL.) ,		River Bed		120.22	m. (MSL.)						
Left Bank Elevation	126.18	m. (MSL.) ,											
Right Bank Elevation	127.50	m. (MSL.) ,		Drainage Are		362	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.45	0.00	0.00	0.00	1.60	11.98	14.26	2.88	0.72	0.50	4.56	4.56		
2	1.45	0.00	0.00	0.00	0.24	12.55	29.88	2.88	0.72	3.44	4.42	5.26		
3	1.45	0.00	0.00	0.00	0.00	9.27	26.60	2.88	0.72	3.44	4.56	4.42		
4	1.15	0.00	0.00	0.00	0.00	8.63	20.37	2.88	0.72	3.44	3.44	4.70		
5	1.45	0.00	0.00	0.00	0.00	8.20	18.24	2.74	0.72	3.44	4.70	4.56		
6	1.45	0.00	0.00	0.00	0.00	8.20	13.41	2.60	0.68	3.44	4.28	3.44		
7	1.45	0.00	0.00	0.00	3.95	8.20	9.27	2.60	0.68	3.44	3.86	6.26		
8	1.30	0.00	0.00	0.00	18.80	8.20	8.84	2.60	0.68	4.28	4.84	5.12		
9	1.15	0.00	0.00	0.00	12.83	8.20	8.63	2.60	0.68	4.14	4.70	4.56		
10	1.15	0.16	0.00	0.00	1.60	8.20	9.99	2.60	0.68	4.56	4.56	4.14		
11	1.15	0.08	0.00	0.00	1.00	13.12	7.98	3.02	0.63	3.30	4.56	5.26		
12	0.24	0.00	0.00	0.00	21.05	14.83	7.98	0.81	0.63	3.44	4.56	3.86		
13	1.15	0.00	0.00	0.00	5.27	17.18	5.12	0.68	0.63	3.44	4.56	3.86		
14	1.15	0.00	0.00	0.00	4.28	11.41	4.84	0.00	0.63	3.44	3.58	3.44		
15	0.85	0.00	0.00	1.45	5.60	8.63	7.55	0.00	0.63	3.30	3.58	3.44		
16	1.30	0.00	0.00	0.16	3.95	7.55	7.55	0.00	0.59	3.58	3.58	3.16		
17	1.45	22.85	0.00	0.00	21.50	7.98	7.55	0.00	0.59	3.58	3.58	3.16		
18	1.45	1.90	0.00	0.00	26.45	7.77	7.55	0.00	0.54	3.58	6.05	1.33		
19	1.45	1.60	0.00	0.00	13.59	9.27	5.40	0.00	0.54	3.44	6.05	3.02		
20	1.45	1.30	0.00	0.00	10.22	10.84	3.86	0.00	0.50	3.44	5.62	3.02		
21	0.16	0.00	0.00	1.30	135.25	11.70	3.44	0.00	0.50	3.44	6.26	2.43		
22	0.00	0.00	0.00	1.15	44.00	9.27	3.72	0.00	0.50	3.58	4.28	3.30		
23	0.00	0.00	0.00	0.24	25.10	8.20	3.72	0.00	0.50	3.58	2.88	3.30		
24	0.00	0.00	0.00	0.00	7.91	8.84	3.72	0.00	0.50	3.44	3.58	3.30		
25	0.00	0.08	0.00	0.00	8.24	8.20	3.72	0.00	0.50	3.58	3.58	3.44		
26	0.00	0.00	0.00	0.00	10.84	12.27	3.02	0.00	0.50	3.30	3.44	3.44		
27	0.00	0.00	0.00	0.00	29.88	11.13	3.02	0.00	0.45	3.58	4.70	3.30		
28	0.00	0.00	0.00	0.00	13.41	13.12	3.02	0.00	0.45	3.58	4.70	3.16		
29	0.00	0.00	0.00	0.00	13.12	12.27	3.02	0.77	0.45	3.58		3.16		
30	0.00	0.00	0.00	0.00	12.55	12.55	2.88	0.72	0.45	3.30		7.12		
31		0.00		23.30	13.69		2.88		0.45	3.58		7.34		
Total	25.25	27.97	0.00	27.60	465.92	307.76	261.03	33.26	18.16	107.20	123.06	123.86	1521.07	CMSDAY
Mean	0.84	0.90	0.00	0.89	1									

WATER YEAR : 2022

NAN RIVER BASIN

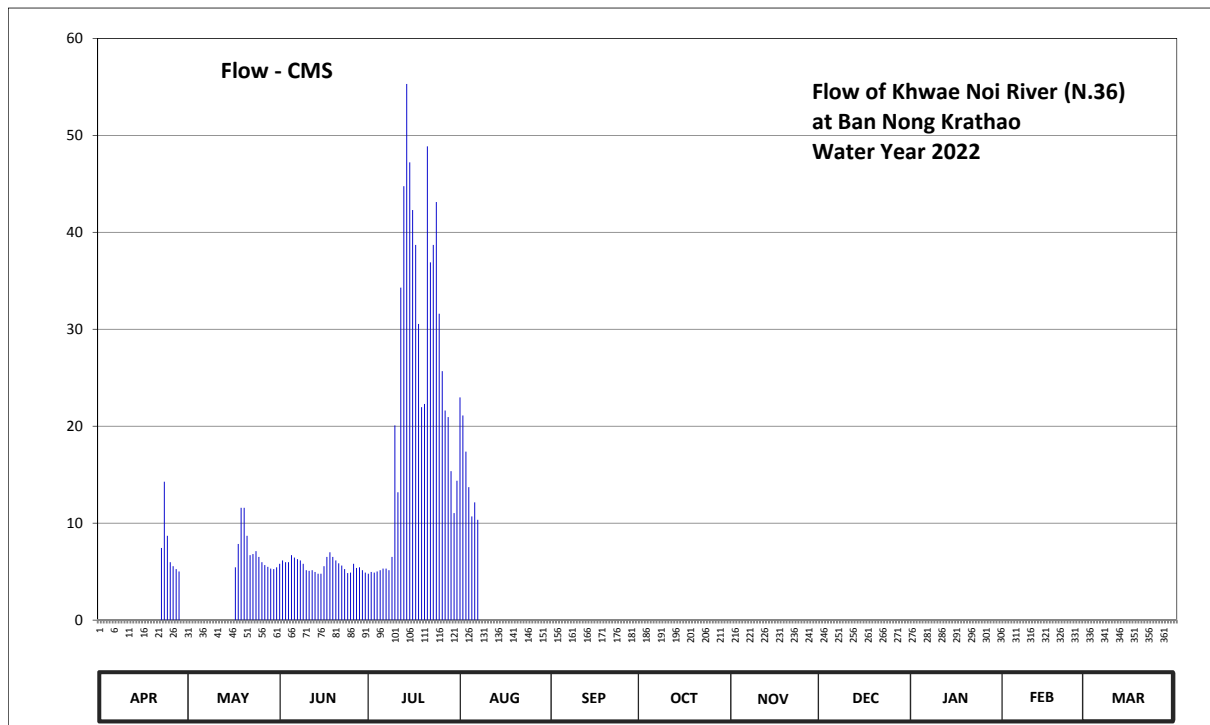
Khwae Noi River at Ban Nong Krathao , Phitsanulok (N.36)

Lat 17 - 05 - 06 N Long 100 - 49 - 29 E

Location : on left bank about 50 meters upstream from the bridge along Lom Sak - Nakhon Thai Road, Tambon Nong Krathao.

	Ban Nong Krathao	Amphoe Nakhon Thai	Changwat Phitsanulok
Drainge Area	1,663 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+191.880 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank along the measuring line.	Elevation	+202.438 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1967 to date		
Rating Operation			
Period of Rating	1971 - 1979 , 1993 to date		
Rated by Float	-		
Rated by Current Meter	1971 - 1979 , 1993 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 14 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	194.70	194.54	194.65	194.48	198.74	198.40	199.37	194.91	194.76	194.02	193.44	193.80	
2	194.58	194.58	194.71	194.51	198.63	198.60	199.32	194.87	194.71	194.01	193.44	193.64	
3	194.52	194.69	194.68	194.50	198.41	198.64	199.25	194.84	194.66	193.98	193.60	193.70	
4	194.49	194.62	194.68	194.52	198.17	198.51	199.20	194.83	194.63	193.93	194.02	193.78	
5	194.47	194.57	194.80	194.54	197.93	198.33	199.06	194.80	194.61	193.90	194.10	193.85	
6	194.45	194.54	194.76	194.57	198.05	198.69	198.93	194.79	194.58	193.88	194.21	193.83	
7	194.43	194.52	194.73	194.57	197.90	199.04	198.78	194.78	194.43	193.82	194.26	193.83	
8	194.44	194.53	194.71	194.54	198.66	198.71	198.66	194.78	194.31	193.85	194.28	193.83	
9	194.47	194.56	194.65	194.77	199.48	198.24	198.56	194.78	194.26	193.80	194.29	193.86	
10	194.43	194.63	194.54	196.53	199.54	197.92	198.43	194.76	194.23	193.79	194.23	193.91	
11	194.42	194.66	194.53	198.13	199.51	197.85	198.30	194.75	194.22	193.78	194.23	194.07	
12	194.43	194.72	194.54	199.15	199.29	198.12	197.99	194.74	194.22	193.84	194.22	194.21	
13	194.43	194.76	194.51	199.33	199.07	198.76	197.62	194.74	194.18	193.83	194.20	194.32	
14	194.44	194.81	194.48	199.44	198.95	198.90	197.24	194.73	194.16	193.76	194.30	194.32	
15	194.45	194.75	194.48	199.36	199.04	198.89	196.91	194.73	194.12	193.72	194.34	194.35	
16	194.46	194.65	194.61	199.30	199.05	198.57	196.65	194.73	194.09	193.69	194.36	194.25	
17	194.44	194.59	194.77	199.24	199.46	198.11	196.49	194.73	194.06	193.70	194.34	194.19	
18	194.39	194.98	194.85	199.05	199.46	198.04	196.28	194.74	194.05	193.67	194.29	194.15	
19	194.53	195.51	194.77	198.68	199.31	198.29	196.09	194.77	194.04	193.63	194.26	194.16	
20	194.68	195.51	194.71	198.70	199.09	198.93	195.92	194.78	194.02	193.62	194.24	194.21	
21	194.85	195.10	194.66	199.38	199.23	198.80	195.77	194.73	194.03	193.59	194.26	194.15	
22	194.92	194.80	194.62	199.21	199.65	198.59	195.61	194.71	194.04	193.59	194.23	194.10	
23	195.87	194.82	194.56	199.24	199.52	198.52	195.49	194.69	194.03	193.57	194.24	193.94	
24	195.10	194.87	194.49	199.31	199.26	198.63	195.38	194.70	194.03	193.57	194.28	193.72	
25	194.68	194.77	194.50	199.08	199.01	198.56	195.26	194.74	194.03	193.55	194.28	193.46	
26	194.61	194.68	194.65	198.87	198.91	199.36	195.17	194.76	194.00	193.56	194.32	193.26	
27	194.56	194.63	194.58	198.66	198.89	199.80	195.14	194.96	193.99	193.52	194.25	193.02	
28	194.52	194.60	194.59	198.62	198.78	199.64	195.10	195.85	193.99	193.49	194.07	192.73	
29	194.51	194.57	194.54	198.29	198.62	199.43	195.05	195.26	193.99	193.52		192.47	
30	194.53	194.56	194.50	197.96	198.44	199.21	194.98	194.73	194.01	193.42		192.66	
31		194.59		198.22	198.36		194.94		194.01	193.42		192.86	
Mean	194.59	194.73	194.63	197.57	198.92	198.67	197.00	194.82	194.21	193.71	194.16	193.76	
Max	195.87	195.51	194.85	199.44	199.65	199.80	199.37	195.85	194.76	194.02	194.36	194.35	199.80
Min	194.39	194.52	194.48	194.48	197.90	197.85	194.94	194.69	193.99	193.42	193.44	192.47	192.47
Annual Max Momentary Gage Height	199.45	m. (MSL.) , at 05.00 Hours , on Jul 14, 2022											
Zero Gage at Bottom Elevation	191.88	m. (MSL.) , River Bed 191.05 m. (MSL.)											
Left Bank Elevation	202.28	m. (MSL.) ,											
Right Bank Elevation	202.22	m. (MSL.) , Drainage Are 1,663 Square Kilometers											



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	5.80	4.79	22.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	6.16	4.96	21.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	5.98	4.90	17.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	5.98	5.02	13.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	6.70	5.14	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	6.46	5.32	12.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	6.28	5.32	10.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	6.16	5.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	5.80	6.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	5.14	20.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	5.08	13.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	5.14	34.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	4.96	44.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	4.79	55.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	4.79	47.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	5.56	42.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
17	0.00	5.44	6.52	38.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
18	0.00	7.86	7.00	30.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
19	0.00	11.58	6.52	21.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
20	0.00	11.58	6.16	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	8.70	5.86	48.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22	7.44	6.70	5.62	36.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
23	14.28	6.82	5.26	38.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
24	8.70	7.12	4.85	43.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
25	5.98	6.52	4.90	31.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
26	5.56	5.98	5.80	25.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
27	5.26	5.68	5.38	21.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
28	5.02	5.50	5.44	20.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	5.32	5.14	15.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
30	0.00	5.26	4.90	11.04	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
31		5.44		14.38	0.00		0.00		0.00	0.00		0.00	
Total	52.24	105.50	170.13	725.98	108.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1162.22
Mean	1.74	3.40	5.67	23.42	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.18
Max	14.28	11.58	7.00	55.30	22.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.30
Min	0.00	0.00	4.79	4.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Runoff	4.51	9.12	14.70	62.72	9.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.42
Momentary Peak	CMS. at 199.45 m. (MSL.) at 05.00 Hours , on Jul 14, 2022												
Runoff Yield	1.91	Liters/Second/Square KM.				Momentary Peak Yield		33.97	Liters/Second/Square KM.				

WATER YEAR : 2022**NAN RIVER BASIN****Nan River at Ban Thap Krit , Nakhon Sawan (N.37)**

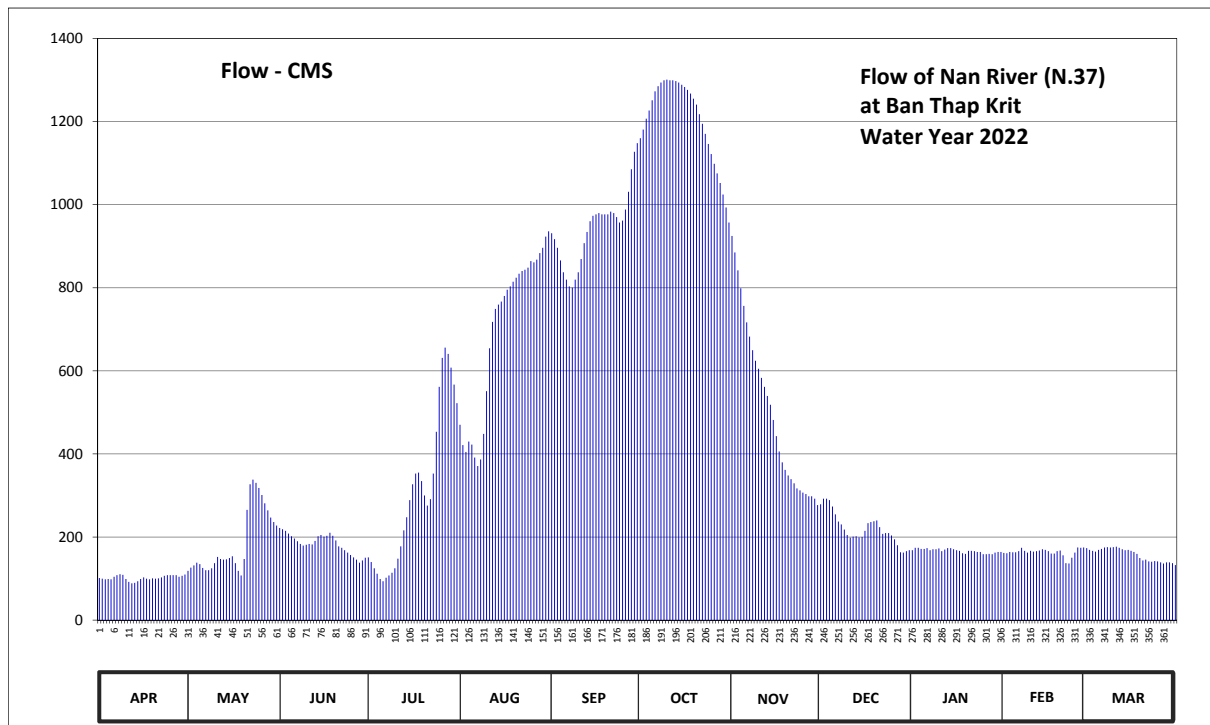
Lat 15 - 44 - 59 N Long 100 - 14 - 48 E

Location : on right bank at Ban Thap Krit.

	Ban	Thap Krit	Amphoe	Chum Saeng	Changwat	Nakhon Sawan
Drainage Area	57,019	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank in front of automatic gage building.				Elevation	+27.246 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic means 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 good. Stage-discharge relation defined by 15 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	17.57	17.80	19.00	18.21	21.22	24.39	25.77	24.35	19.58	18.42	18.34	18.48	
2	17.55	17.90	18.97	18.07	20.83	24.30	25.89	24.10	19.70	18.49	18.33	18.43	
3	17.53	17.97	18.93	17.88	20.69	24.17	26.04	23.83	19.70	18.49	18.37	18.40	
4	17.54	18.05	18.86	17.71	20.90	23.98	26.15	23.56	19.67	18.46	18.36	18.38	
5	17.53	18.01	18.79	17.54	20.84	23.80	26.29	23.28	19.53	18.46	18.36	18.43	
6	17.61	17.89	18.73	17.46	20.58	23.69	26.41	23.01	19.34	18.48	18.39	18.46	
7	17.66	17.82	18.66	17.58	20.40	23.59	26.48	22.78	19.16	18.42	18.49	18.50	
8	17.69	17.82	18.59	17.65	20.54	23.57	26.53	22.56	19.09	18.45	18.40	18.51	
9	17.67	17.88	18.55	17.74	21.05	23.69	26.56	22.38	18.96	18.45	18.35	18.50	
10	17.54	18.04	18.57	17.88	21.84	23.80	26.57	22.24	18.82	18.47	18.40	18.51	
11	17.44	18.22	18.59	18.17	22.59	24.00	26.56	22.08	18.75	18.39	18.38	18.52	
12	17.38	18.16	18.58	18.53	23.02	24.24	26.56	21.92	18.78	18.44	18.39	18.49	
13	17.40	18.14	18.67	18.94	23.23	24.41	26.55	21.75	18.79	18.48	18.41	18.45	
14	17.46	18.15	18.79	19.27	23.30	24.57	26.53	21.59	18.76	18.48	18.45	18.42	
15	17.54	18.19	18.82	19.67	23.35	24.65	26.50	21.31	18.77	18.45	18.43	18.43	
16	17.59	18.24	18.78	20.01	23.44	24.67	26.47	21.01	18.93	18.42	18.39	18.40	
17	17.55	18.04	18.80	20.24	23.54	24.69	26.43	20.70	19.12	18.40	18.32	18.37	
18	17.53	17.80	18.88	20.26	23.59	24.67	26.38	20.48	19.15	18.33	18.32	18.31	
19	17.56	17.65	18.80	20.08	23.66	24.67	26.31	20.32	19.17	18.31	18.39	18.19	
20	17.55	18.16	18.68	19.77	23.72	24.67	26.23	20.20	19.19	18.40	18.41	18.12	
21	17.56	19.45	18.53	19.55	23.78	24.71	26.10	20.12	19.02	18.40	18.27	18.14	
22	17.59	20.01	18.49	19.69	23.82	24.69	25.97	20.03	18.85	18.39	18.04	18.09	
23	17.64	20.11	18.42	20.24	23.84	24.63	25.83	19.92	18.87	18.37	18.03	18.08	
24	17.66	20.04	18.35	21.09	23.87	24.55	25.69	19.88	18.87	18.37	18.20	18.10	
25	17.66	19.93	18.28	21.92	23.97	24.58	25.55	19.83	18.81	18.30	18.35	18.09	
26	17.66	19.78	18.21	22.43	23.95	24.74	25.41	19.80	18.71	18.30	18.50	18.06	
27	17.66	19.60	18.14	22.60	23.99	25.00	25.27	19.75	18.56	18.31	18.49	18.03	
28	17.61	19.44	18.05	22.50	24.09	25.33	25.13	19.75	18.36	18.30	18.50	18.06	
29	17.64	19.26	18.12	22.26	24.17	25.58	24.96	19.70	18.35	18.35		18.06	
30	17.68	19.15	18.20	21.96	24.34	25.70	24.77	19.56	18.39	18.37		18.04	
31		19.06		21.62	24.42		24.55		18.42	18.37		17.98	
Mean	17.57	18.57	18.59	19.63	22.79	24.46	26.01	21.39	18.97	18.40	18.36	18.29	
Max	17.69	20.11	19.00	22.60	24.42	25.70	26.57	24.35	19.70	18.49	18.50	18.52	26.57
Min	17.38	17.65	18.05	17.46	20.40	23.57	24.55	19.56	18.35	18.30	18.03	17.98	17.38
Annual Max Momentary Gage Height	26.58		m. (MSL.) ,		at 03.00 Hours , on Oct 10, 2022								
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,		River Bed	12.16	m. (MSL.)						
Left Bank Elevation	27.91		m. (MSL.) ,										
Right Bank Elevation	27.95		m. (MSL.) ,		Drainage Are	57,019	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	101.16	118.70	221.60	151.09	470.18	931.08	1159.97	924.71	278.94	168.23	161.70	173.13		
2	99.63	126.32	218.79	139.66	421.24	916.75	1180.81	884.92	292.32	173.94	160.89	169.05		
3	98.11	131.66	215.04	124.80	404.53	896.06	1207.01	841.79	292.32	173.94	164.15	166.60		
4	98.87	138.03	208.49	111.84	429.60	865.80	1226.49	798.58	288.98	171.50	163.33	164.97		
5	98.11	134.77	201.93	98.87	422.44	836.99	1251.30	756.42	273.37	171.50	163.33	169.05		
6	104.21	125.56	196.31	93.39	391.39	819.39	1272.56	716.47	254.53	173.13	165.78	171.50		
7	108.02	120.22	189.75	101.92	370.63	803.38	1284.96	682.40	237.09	168.23	173.94	174.76		
8	110.31	120.22	183.19	107.26	386.62	800.18	1293.83	649.81	230.32	170.68	166.60	175.70		
9	108.78	124.80	179.44	114.12	448.05	819.39	1299.16	624.38	217.85	170.68	162.52	174.76		
10	98.87	137.22	181.32	124.80	551.08	836.99	1300.94	605.08	204.74	172.31	166.60	175.70		
11	92.18	151.91	183.19	147.83	654.25	869.00	1299.16	583.03	198.18	165.78	164.97	176.63		
12	88.53	147.01	182.25	177.57	717.95	907.20	1299.16	561.54	200.99	169.86	165.78	173.94		
13	89.75	145.38	190.69	215.98	749.03	934.26	1297.39	539.31	201.93	173.13	167.41	170.68		
14	93.39	146.19	201.93	247.75	759.38	960.10	1293.83	518.39	199.12	173.13	170.68	168.23		
15	98.87	149.46	204.74	288.98	766.78	973.25	1288.50	481.89	200.05	170.68	169.05	169.05		
16	102.68	153.54	200.99	326.90	780.10	976.54	1283.19	442.84	215.04	168.23	165.78	166.60		
17	99.63	137.22	202.86	352.69	795.38	979.83	1276.10	405.72	233.22	166.60	160.07	164.15		
18	98.11	118.70	210.36	354.93	803.38	976.54	1267.24	379.60	236.13	160.89	160.07	159.25		
19	100.40	107.26	202.86	334.75	814.59	976.54	1254.84	361.66	238.06	159.25	165.78	149.46		
20	99.63	147.01	191.62	300.13	824.19	976.54	1240.67	348.20	240.00	166.60	167.41	143.74		
21	100.40	265.18	177.57	275.60	833.79	983.11	1217.64	339.23	223.54	166.60	155.99	145.38		
22	102.68	326.90	173.94	291.21	840.19	979.83	1194.71	329.14	207.55	165.78	137.22	141.30		
23	106.50	338.11	168.23	352.69	843.39	969.96	1170.39	316.86	209.42	164.15	136.40	140.48		
24	108.02	330.27	162.52	453.25	848.20	956.81	1146.07	312.40	209.42	164.15	150.27	142.11		
25	108.02	317.97	156.80	561.54	864.20	961.74	1121.75	306.82	203.80	158.44	162.52	141.30		
26	108.02	301.25	151.09	631.27	861.00	988.05	1098.25	303.48	194.43	158.44	174.76	138.85		
27	108.02	281.17	145.38	655.73	867.40	1030.79	1075.22	297.90	180.38	159.25	173.94	136.40		
28	104.21	264.21	138.03	640.92	883.33	1085.09	1052.18	297.90	163.33	158.44	174.76	138.85		
29	106.50	246.78	143.74	607.84	896.06	1126.96	1024.21	292.32	162.52	162.52		138.85		
30	109.55	236.13	150.27	566.77	923.12	1147.80	992.98	276.71	165.78	164.15		137.22		
31		227.41		522.31	935.86		956.81		168.23	164.15		132.43		
Total	3051.16	5816.56	5534.92	9474.39	21557.33	28285.95	37327.32	15179.50	6821.58	5174.36	4571.70	4890.12	147684.89	CMSDAY
Mean	101.71	187.63	184.50	305.63	695.40	942.87	1204.11	505.98	220.05	166.91	163.28	157.75	404.62	CMS
Max	110.31	338.11	221.60	655.73	935.86	1147.80	1300.94	924.71	292.32	173.94	174.76	176.63	1300.94	CMS
Min	88.53	107.26	138.03	93.39	370.63	800.18	956.81	276.71	162.52	158.44	136.40	132.43	88.53	CMS
Runoff	263.62	502.55	478.22	818.59	1862.55	2443.91	3225.08	1311.51	589.38	447.06	394.99	422.51	12759.97	MCM
Momentary Peak	1302.72 CMS, at 26.58 m. (MSL.) at 03.00 Hours , on Oct 10, 2022													
Runoff Yield	7.10 Liters/Second/Square KM.				Momentary Peak Yield 22.85				Liters/Second/Square KM.					

WATER YEAR : 2022

NAN RIVER BASIN

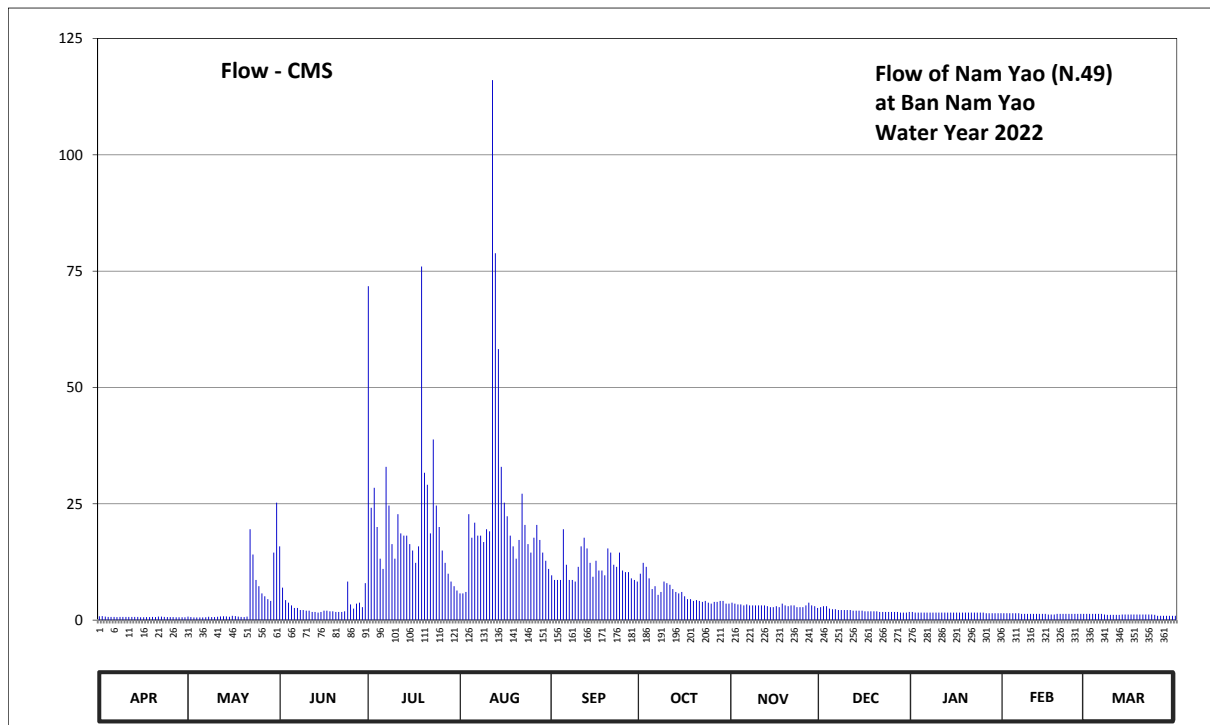
Nam Yao at Ban Nam Yao , Nan (N.49)

Lat 18 - 59 - 37 N Long 100 - 56 - 24 E

Location : on right bank downstream of the bridge of Nam Yao, along Pua - Sila Phet Road.

	Ban	Nam Yao	Amphoe	Pua	Changwat	Nan
Drainge Area	153	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+263.983 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 15 meters from the top staff gage.				Elevation	+270.035 m. (MSL.)
Gage Reading Frequency	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	Fairly stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 34 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	265.36	265.33	265.51	266.35	265.24	265.36	265.37	265.16	265.11	265.04	265.02	265.01	
2	265.38	265.27	265.28	265.69	265.24	265.33	265.43	265.15	265.12	265.03	265.02	265.01	
3	265.33	265.24	265.19	265.76	265.25	265.33	265.41	265.14	265.12	265.03	265.02	265.01	
4	265.30	265.24	265.16	265.60	265.66	265.33	265.34	265.14	265.09	265.03	265.02	265.01	
5	265.30	265.24	265.13	265.45	265.55	265.59	265.27	265.13	265.08	265.03	265.02	265.01	
6	265.30	265.24	265.10	265.40	265.62	265.42	265.29	265.14	265.08	265.03	265.02	265.01	
7	265.28	265.26	265.10	265.83	265.56	265.33	265.23	265.13	265.07	265.03	265.01	265.00	
8	265.30	265.31	265.07	265.70	265.56	265.33	265.25	265.13	265.07	265.03	265.01	264.99	
9	265.30	265.28	265.07	265.52	265.53	265.32	265.32	265.13	265.07	265.03	265.01	264.99	
10	265.30	265.28	265.06	265.45	265.59	265.41	265.31	265.13	265.07	265.03	265.01	264.99	
11	265.30	265.31	265.06	265.66	265.58	265.51	265.30	265.13	265.07	265.03	265.01	264.99	
12	265.30	265.34	265.04	265.57	266.81	265.55	265.27	265.13	265.06	265.03	265.01	264.99	
13	265.30	265.36	265.04	265.56	266.43	265.50	265.25	265.12	265.06	265.03	265.01	265.00	
14	265.30	265.35	265.03	265.56	266.19	265.43	265.24	265.11	265.06	265.03	265.01	265.00	
15	265.26	265.31	265.04	265.52	265.83	265.35	265.25	265.11	265.06	265.03	265.01	265.00	
16	265.26	265.42	265.06	265.49	265.71	265.44	265.22	265.12	265.05	265.03	265.00	265.00	
17	265.27	265.37	265.06	265.43	265.65	265.39	265.20	265.11	265.05	265.03	265.00	265.00	
18	265.28	265.32	265.05	265.51	265.56	265.39	265.20	265.15	265.05	265.03	265.00	265.00	
19	265.30	265.30	265.05	266.40	265.51	265.36	265.18	265.13	265.05	265.03	265.01	265.00	
20	265.28	265.28	265.04	265.81	265.45	265.50	265.19	265.12	265.05	265.03	265.01	265.00	
21	265.33	265.32	265.04	265.77	265.54	265.48	265.18	265.13	265.04	265.03	265.01	265.00	
22	265.33	265.59	265.04	265.57	265.74	265.42	265.17	265.13	265.04	265.03	265.01	265.00	
23	265.29	265.47	265.05	265.92	265.61	265.41	265.18	265.11	265.04	265.03	265.01	265.00	
24	265.28	265.33	265.32	265.70	265.52	265.48	265.16	265.11	265.04	265.03	265.01	264.99	
25	265.27	265.29	265.14	265.60	265.48	265.39	265.15	265.11	265.04	265.03	265.01	264.96	
26	265.27	265.24	265.09	265.49	265.55	265.38	265.17	265.13	265.04	265.02	265.01	264.96	
27	265.25	265.22	265.15	265.43	265.61	265.38	265.17	265.16	265.04	265.02	265.01	264.96	
28	265.25	265.20	265.16	265.37	265.54	265.34	265.18	265.13	265.03	265.02	265.01	264.96	
29	265.25	265.18	265.11	265.32	265.48	265.33	265.18	265.12	265.03	265.02		264.96	
30	265.26	265.48	265.31	265.29	265.44	265.32	265.15	265.10	265.03	265.02		264.96	
31		265.71		265.26	265.40		265.15		265.04	265.02		264.96	
Mean	265.29	265.33	265.12	265.61	265.63	265.40	265.24	265.13	265.06	265.03	265.01	264.99	
Max	265.38	265.71	265.51	266.40	266.81	265.59	265.43	265.16	265.12	265.04	265.02	265.01	266.81
Min	265.25	265.18	265.03	265.26	265.24	265.32	265.15	265.10	265.03	265.02	265.00	264.96	264.96
Annual Max Momentary Gage Height	268.08		m. (MSL.) ,		at 06.00 Hours , on Aug 19, 2022								
Zero Gage at Bottom Elevation	263.98		m. (MSL.) ,		River Bed		264.06		m. (MSL.)				
Left Bank Elevation	273.25		m. (MSL.) ,										
Right Bank Elevation	275.28		m. (MSL.) ,		Drainage Are		153		Square Kilometers				



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.82	0.76	15.86	71.75	5.74	9.64	9.98	3.74	2.79	1.76	1.48	1.34		
2	0.86	0.64	6.98	24.14	5.74	8.62	12.32	3.55	2.98	1.62	1.48	1.34		
3	0.76	0.58	4.31	28.44	6.05	8.62	11.44	3.36	2.98	1.62	1.48	1.34		
4	0.70	0.58	3.74	20.00	22.76	8.62	8.96	3.36	2.46	1.62	1.48	1.34		
5	0.70	0.58	3.17	13.20	17.70	19.54	6.67	3.17	2.32	1.62	1.48	1.34		
6	0.70	0.58	2.60	11.00	20.92	11.88	7.29	3.36	2.32	1.62	1.48	1.34		
7	0.66	0.62	2.60	32.95	18.16	8.62	5.43	3.17	2.18	1.62	1.34	1.20		
8	0.70	0.72	2.18	24.60	18.16	8.62	6.05	3.17	2.18	1.62	1.34	1.13		
9	0.70	0.66	2.18	16.32	16.78	8.28	8.28	3.17	2.18	1.62	1.34	1.13		
10	0.70	0.66	2.04	13.20	19.54	11.44	7.94	3.17	2.18	1.62	1.34	1.13		
11	0.70	0.72	2.04	22.76	19.08	15.86	7.60	3.17	2.18	1.62	1.34	1.13		
12	0.70	0.78	1.76	18.62	116.05	17.70	6.67	3.17	2.04	1.62	1.34	1.13		
13	0.70	0.82	1.76	18.16	78.85	15.40	6.05	2.98	2.04	1.62	1.34	1.20		
14	0.70	0.80	1.62	18.16	58.25	12.32	5.74	2.79	2.04	1.62	1.34	1.20		
15	0.62	0.72	1.76	16.32	32.95	9.30	6.05	2.79	2.04	1.62	1.34	1.20		
16	0.62	0.94	2.04	14.96	25.24	12.76	5.12	2.98	1.90	1.62	1.20	1.20		
17	0.64	0.84	2.04	12.32	22.30	10.66	4.50	2.79	1.90	1.62	1.20	1.20		
18	0.66	0.74	1.90	15.86	18.16	10.66	4.50	3.55	1.90	1.62	1.20	1.20		
19	0.70	0.70	1.90	76.00	15.86	9.64	4.12	3.17	1.90	1.62	1.34	1.20		
20	0.66	0.66	1.76	31.65	13.20	15.40	4.31	2.98	1.90	1.62	1.34	1.20		
21	0.76	0.74	1.76	29.08	17.24	14.52	4.12	3.17	1.76	1.62	1.34	1.20		
22	0.76	19.54	1.76	18.62	27.16	11.88	3.93	3.17	1.76	1.62	1.34	1.20		
23	0.68	14.08	1.90	38.80	20.46	11.44	4.12	2.79	1.76	1.62	1.34	1.20		
24	0.66	8.62	8.28	24.60	16.32	14.52	3.74	2.79	1.76	1.62	1.34	1.13		
25	0.64	7.29	3.36	20.00	14.52	10.66	3.55	2.79	1.76	1.62	1.34	0.92		
26	0.64	5.74	2.46	14.96	17.70	10.32	3.93	3.17	1.76	1.48	1.34	0.92		
27	0.60	5.12	3.55	12.32	20.46	10.32	3.93	3.74	1.76	1.48	1.34	0.92		
28	0.60	4.50	3.74	9.98	17.24	8.96	4.12	3.17	1.62	1.48	1.34	0.92		
29	0.60	4.12	2.79	8.28	14.52	8.62	4.12	2.98	1.62	1.48		0.92		
30	0.62	14.52	7.94	7.29	12.76	8.28	3.55	2.60	1.62	1.48		0.92		
31		25.24		6.36	11.00		3.55		1.76	1.48		0.92		
Total	20.56	123.61	101.78	690.70	740.87	343.10	181.68	93.96	63.35	49.52	37.94	35.66	2482.73	CMSDAY
Mean	0.69	3.99	3.39	22.28	23.90	11.44	5.86	3.13	2.04	1.60	1.36	1.15	6.80	CMS
Max	0.86	25.24	15.86	76.00	116.05	19.54	12.32	3.74	2.98	1.76	1.48	1.34	116.05	CMS
Min	0.60	0.58	1.62	6.36	5.74	8.28	3.55	2.60	1.62	1.48	1.20	0.92	0.58	CMS
Runoff	1.78	10.68	8.79	59.68	64.01	29.64	15.70	8.12	5.47	4.28	3.28	3.08	214.51	MCM
Momentary Peak	280.00 CMS. at 268.08 m. (MSL.) at 06.00 Hours , on Aug 19, 2022													
Runoff Yield	44.46	Liters/Second/Square KM.				Momentary Peak Yield 1830.07				Liters/Second/Square KM.				

WATER YEAR : 2022**NAN RIVER BASIN****Khlong Wang Pong at Ban Wang Pong , Phetchabun (N.54)**

Lat 16 - 19 - 39 N Long 100 - 48 - 06 E

Location : on left bank at the bridge on road.

	Ban	Wang Pong	Amphoe	Wang Pong	Changwat	Phetchabun
Drainage Area	176	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+104.350 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the abutment of the bridge.				Elevation	+108.350 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1999 to date					
Rating Operation						
Period of Rating	1999 to date					
Rated by Float	-					
Rated by Current Meter	1999 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 13 discharge measurements made in 2022.					

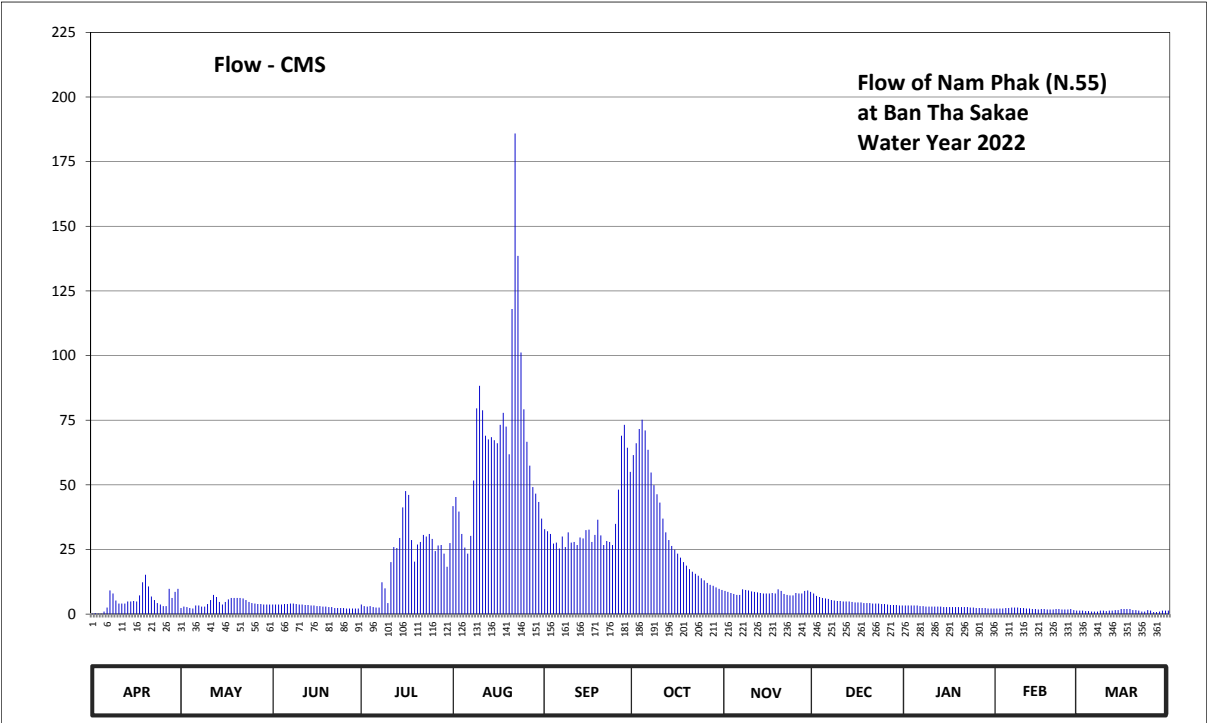
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	104.32	104.28	104.17	104.30	104.48	104.70	106.46	104.38	104.29	104.15	104.09	104.01	
2	104.31	104.22	104.18	104.30	105.14	104.64	105.78	104.37	104.29	104.15	104.06	104.00	
3	104.32	104.28	104.22	104.31	104.89	104.67	105.30	104.36	104.28	104.15	104.07	104.00	
4	104.31	104.27	104.21	104.32	104.72	104.78	105.10	104.35	104.29	104.15	104.12	104.00	
5	104.30	104.24	104.79	104.32	104.70	104.71	105.01	104.35	104.27	104.15	104.16	104.00	
6	104.29	104.22	104.80	104.33	104.59	104.75	105.00	104.36	104.26	104.15	104.16	104.00	
7	104.30	104.21	104.53	104.31	104.53	104.73	104.93	104.36	104.25	104.15	104.16	104.00	
8	104.28	104.20	104.46	104.31	106.54	104.67	104.92	104.35	104.24	104.14	104.16	103.99	
9	104.26	104.20	104.43	104.32	105.89	104.94	104.85	104.35	104.21	104.12	104.17	103.99	
10	104.24	104.29	104.41	105.10	105.72	105.08	104.74	104.36	104.20	104.12	104.17	104.00	
11	104.24	104.32	104.40	104.86	105.53	104.88	104.67	104.44	104.19	104.11	104.17	104.00	
12	104.20	104.32	104.38	104.64	105.08	104.82	104.64	104.49	104.19	104.12	104.13	104.00	
13	104.17	104.34	104.33	104.94	104.91	104.85	104.61	104.50	104.19	104.15	104.04	103.99	
14	104.17	104.34	104.32	104.73	104.79	105.63	104.58	104.48	104.16	104.14	104.04	103.99	
15	104.17	104.33	104.27	104.66	104.70	105.34	104.56	104.48	104.18	104.12	104.04	104.00	
16	104.17	104.32	104.38	104.78	104.82	105.15	104.57	104.34	104.17	104.10	104.05	104.00	
17	104.14	104.30	104.48	104.69	104.72	104.92	104.54	104.32	104.17	104.09	104.04	103.99	
18	104.23	104.28	104.42	104.55	104.72	105.36	104.51	104.29	104.17	104.08	104.04	103.99	
19	104.29	104.29	104.39	104.48	104.64	105.46	104.48	104.29	104.16	104.11	104.04	103.98	
20	104.27	104.29	104.37	105.46	104.65	105.03	104.45	104.30	104.16	104.12	104.03	103.99	
21	104.28	104.32	104.66	105.05	105.43	104.88	104.44	104.28	104.16	104.12	104.03	103.99	
22	104.28	104.30	104.44	107.11	104.98	104.90	104.42	104.28	104.16	104.11	104.03	103.99	
23	104.27	104.23	104.35	106.08	104.80	105.46	104.40	104.32	104.16	104.11	104.03	103.98	
24	104.26	104.21	104.33	105.23	104.67	105.10	104.39	104.21	104.17	104.11	104.02	103.98	
25	104.26	104.26	104.33	104.98	104.73	105.81	104.40	104.13	104.16	104.11	104.00	103.98	
26	104.24	104.28	104.32	104.84	105.28	105.64	104.40	104.20	104.17	104.11	104.01	103.98	
27	104.26	104.25	104.31	104.80	105.23	105.38	104.40	104.22	104.14	104.11	104.00	103.98	
28	104.22	104.23	104.31	104.67	105.06	105.10	104.40	104.28	104.15	104.11	104.00	103.98	
29	104.34	104.21	104.30	104.58	104.92	105.05	104.39	104.25	104.19	104.11		103.98	
30	104.26	104.15	104.31	104.52	104.86	105.91	104.38	104.27	104.16	104.09		103.96	
31		104.09		104.49	104.78		104.38		104.15	104.10		103.96	
Mean	104.26	104.26	104.39	104.78	104.98	105.08	104.71	104.33	104.20	104.12	104.07	103.99	
Max	104.34	104.34	104.80	107.11	106.54	105.91	106.46	104.50	104.29	104.15	104.17	104.01	107.11
Min	104.14	104.09	104.17	104.30	104.48	104.64	104.38	104.13	104.14	104.08	104.00	103.96	103.96
Annual Max Momentary Gage Height	108.64		m. (MSL.) ,			at 08.00 Hours ,	on Jul 22, 2022						
Zero Gage at Bottom Elevation		104.35	m. (MSL.) ,			River Bed	103.80	m. (MSL.)					
Left Bank Elevation		110.02	m. (MSL.) ,										
Right Bank Elevation		110.16	m. (MSL.) ,			Drainage Are	176	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.66	0.52	0.14	0.60	1.30	3.30	51.12	0.84	0.56	0.10	0.00	0.00	
2	0.63	0.28	0.16	0.60	9.88	2.58	25.08	0.81	0.56	0.10	0.00	0.00	
3	0.66	0.52	0.28	0.63	5.77	2.94	12.70	0.78	0.52	0.10	0.00	0.00	
4	0.63	0.48	0.24	0.66	3.56	4.34	9.20	0.75	0.56	0.10	0.04	0.00	
5	0.60	0.36	4.47	0.66	3.30	3.43	7.67	0.75	0.48	0.10	0.12	0.00	
6	0.56	0.28	4.60	0.69	2.03	3.95	7.50	0.78	0.44	0.10	0.12	0.00	
7	0.60	0.24	1.61	0.63	1.61	3.69	6.38	0.78	0.40	0.10	0.12	0.00	
8	0.52	0.20	1.20	0.63	54.48	2.94	6.22	0.75	0.36	0.08	0.12	0.00	
9	0.44	0.20	1.05	0.66	28.49	6.54	5.25	0.75	0.24	0.04	0.14	0.00	
10	0.36	0.56	0.95	9.20	23.22	8.86	3.82	0.78	0.20	0.04	0.14	0.00	
11	0.36	0.66	0.90	5.38	17.99	5.64	2.94	1.10	0.18	0.02	0.14	0.00	
12	0.20	0.66	0.84	2.58	8.86	4.86	2.58	1.35	0.18	0.04	0.06	0.00	
13	0.14	0.72	0.69	6.54	6.06	5.25	2.22	1.40	0.18	0.10	0.00	0.00	
14	0.14	0.72	0.66	3.69	4.47	20.50	1.96	1.30	0.12	0.08	0.00	0.00	
15	0.14	0.69	0.48	2.82	3.30	13.62	1.82	1.30	0.16	0.04	0.00	0.00	
16	0.14	0.66	0.84	4.34	4.86	10.05	1.89	0.72	0.14	0.00	0.00	0.00	
17	0.08	0.60	1.30	3.18	3.56	6.22	1.68	0.66	0.14	0.00	0.00	0.00	
18	0.32	0.52	1.00	1.75	3.56	14.08	1.47	0.56	0.14	0.00	0.00	0.00	
19	0.56	0.56	0.87	1.30	2.58	16.38	1.30	0.56	0.12	0.02	0.00	0.00	
20	0.48	0.56	0.81	16.38	2.70	8.01	1.15	0.60	0.12	0.04	0.00	0.00	
21	0.52	0.66	2.82	8.35	15.69	5.64	1.10	0.52	0.12	0.04	0.00	0.00	
22	0.52	0.60	1.10	79.68	7.18	5.90	1.00	0.52	0.12	0.02	0.00	0.00	
23	0.48	0.32	0.75	35.40	4.60	16.38	0.90	0.66	0.12	0.02	0.00	0.00	
24	0.44	0.24	0.69	11.44	2.94	9.20	0.87	0.24	0.14	0.02	0.00	0.00	
25	0.44	0.44	0.69	7.18	3.69	26.01	0.90	0.06	0.12	0.02	0.00	0.00	
26	0.36	0.52	0.66	5.12	12.34	20.80	0.90	0.20	0.14	0.02	0.00	0.00	
27	0.44	0.40	0.63	4.60	11.44	14.54	0.90	0.28	0.08	0.02	0.00	0.00	
28	0.28	0.32	0.63	2.94	8.52	9.20	0.90	0.52	0.10	0.02	0.00	0.00	
29	0.72	0.24	0.60	1.96	6.22	8.35	0.87	0.40	0.18	0.02	0.00	0.00	
30	0.44	0.10	0.63	1.54	5.38	29.14	0.84	0.48	0.12	0.00	0.00	0.00	
31		0.00		1.35	4.34		0.84		0.10	0.00		0.00	
Total	12.86	13.83	32.29	222.48	273.92	292.34	163.97	21.20	7.14	1.40	1.00	0.00	1042.43
Mean	0.43	0.45	1.08	7.18	8.84	9.74							

WATER YEAR : 2022												
NAN RIVER BASIN												
Nam Phak at Ban Tha Sakae , Phitsanulok (N.55)												
Lat 17 - 15 - 11 N Long 100 - 37 - 42 E												
Location : on left bank at the bridge of Nakhon Thai - Chat Trakan Road , Tambon Pa Daeng.												
	Ban Tha Sakae			Amphoe Chat Trakan			Changwat Phitsanulok					
Drainge Area	972 sq.km.											
Type of Gage	Water - stage recorder											
Zero Gage at Bottom	+182.830 m. (MSL.)											
Bench Mark	B.M.-H.D.											
Location BM	On left bank about 13 meters from the top staff gage.						Elevation +191.446 m. (MSL.)					
Gage Reading Frequency	Recording											
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings											
Period of Available Gage Records	1983 to date											
Rating Operation												
Period of Rating	1994 to date											
Rated by Float	-											
Rated by Current Meter	1994 to date											
Stability of Channel Regimes	Fairly stable.											
Overbank Flow Conditions	Overbank flow starts at elevation +190.130 m.(MSL.), records are channel flow only.											
General Description	Records good. Stage-discharge relation defined by 16 discharge measurements made in 2022.											

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	185.71	185.82	185.89	185.89	187.77	187.38	188.54	186.16	186.11	185.87	185.81	185.77	
2	185.72	185.85	185.89	185.86	187.92	187.34	188.70	186.14	186.06	185.87	185.81	185.77	
3	185.71	185.84	185.89	185.85	187.68	187.29	188.89	186.12	186.04	185.87	185.81	185.76	
4	185.71	185.82	185.89	185.86	187.29	187.10	189.00	186.10	186.02	185.87	185.82	185.76	
5	185.75	185.81	185.90	185.84	187.02	187.12	188.87	186.08	186.01	185.87	185.82	185.75	
6	185.83	185.87	185.90	185.83	186.90	187.00	188.61	186.08	186.00	185.86	185.83	185.75	
7	186.17	185.87	185.91	185.83	187.25	187.24	188.29	186.19	185.98	185.86	185.83	185.75	
8	186.11	185.85	185.91	186.33	188.17	187.03	188.10	186.18	185.97	185.85	185.83	185.77	
9	185.97	185.85	185.90	186.21	189.13	187.32	187.96	186.17	185.96	185.85	185.82	185.77	
10	185.91	185.90	185.89	185.92	189.36	187.12	187.83	186.15	185.96	185.85	185.82	185.76	
11	185.91	185.98	185.89	186.73	189.11	187.13	187.56	186.14	185.95	185.85	185.81	185.77	
12	185.91	186.08	185.88	187.03	188.80	187.07	187.32	186.13	185.95	185.85	185.81	185.77	
13	185.95	186.04	185.88	187.01	188.75	187.22	187.17	186.12	185.95	185.85	185.80	185.78	
14	185.95	185.94	185.87	187.21	188.78	187.20	187.05	186.11	185.94	185.84	185.80	185.78	
15	185.96	185.89	185.87	187.75	188.74	187.36	186.98	186.11	185.93	185.84	185.79	185.80	
16	185.95	185.94	185.86	188.01	188.70	187.37	186.90	186.11	185.93	185.84	185.80	185.80	
17	186.07	185.99	185.86	187.95	188.94	187.13	186.82	186.12	185.93	185.84	185.80	185.80	
18	186.33	186.02	185.85	187.17	189.08	187.27	186.73	186.11	185.92	185.84	185.79	185.80	
19	186.48	186.02	185.85	186.74	188.92	187.54	186.66	186.19	185.92	185.84	185.79	185.78	
20	186.25	186.02	185.84	187.08	188.55	187.26	186.59	186.16	185.92	185.84	185.79	185.78	
21	186.05	186.02	185.84	187.13	189.93	187.07	186.54	186.10	185.91	185.84	185.80	185.77	
22	185.98	186.01	185.82	187.27	190.69	187.15	186.50	186.08	185.91	185.84	185.80	185.75	
23	185.92	185.98	185.82	187.24	190.21	187.13	186.46	186.07	185.91	185.83	185.79	185.75	
24	185.89	185.94	185.82	187.29	189.64	187.07	186.41	186.07	185.90	185.83	185.79	185.78	
25	185.86	185.92	185.82	187.19	189.12	187.47	186.37	186.12	185.90	185.82	185.79	185.77	
26	185.86	185.91	185.81	186.95	188.72	188.03	186.32	186.11	185.89	185.82	185.80	185.74	
27	186.20	185.90	185.81	187.06	188.39	188.80	186.28	186.11	185.88	185.82	185.78	185.74	
28	186.02	185.90	185.81	187.07	188.07	188.94	186.26	186.16	185.88	185.82	185.77	185.75	
29	186.14	185.89	185.81	186.90	187.97	188.64	186.23	186.17	185.88	185.81		185.77	
30	186.20	185.89	185.81	186.64	187.84	188.30	186.20	186.14	185.87	185.81		185.77	
31		185.89		187.11	187.56		186.18		185.87	185.81		185.77	
Mean	185.98	185.92	185.86	186.77	188.55	187.44	187.24	186.13	185.94	185.84	185.80	185.77	
Max	186.48	186.08	185.91	188.01	190.69	188.94	189.00	186.19	186.11	185.87	185.83	185.80	190.69
Min	185.71	185.81	185.81	185.83	186.90	187.00	186.18	186.07	185.87	185.81	185.77	185.74	185.71
Annual Max Momentary Gage Height	190.79	m. (MSL.) ,		at 04.00 Hours , on Aug 22, 2022									
Zero Gage at Bottom Elevation	182.83	m. (MSL.) ,		River Bed		182.90	m. (MSL.)						
Left Bank Elevation	190.12	m. (MSL.) ,											
Right Bank Elevation	191.15	m. (MSL.) ,		Drainage Are		972	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.20	2.34	3.71	3.71	41.75	32.88	61.54	8.97	8.00	3.32	2.15	1.37		
2	0.39	2.93	3.71	3.12	45.31	32.04	66.10	8.58	7.02	3.32	2.15	1.37		
3	0.20	2.73	3.71	2.93	39.65	31.01	71.61	8.19	6.63	3.32	2.15	1.17		
4	0.20	2.34	3.71	3.12	31.01	27.30	75.20	7.80	6.24	3.32	2.34	1.17		
5	0.98	2.15	3.90	2.73	25.74	27.69	71.03	7.41	6.05	3.32	2.34	0.98		
6	2.54	3.32	3.90	2.54	23.40	25.35	63.54	7.41	5.85	3.12	2.54	0.98		
7	9.17	3.32	4.10	2.54	30.23	30.03	54.75	9.56	5.46	3.12	2.54	0.98		
8	8.00	2.93	4.10	12.29	51.69	25.94	49.90	9.36	5.27	2.93	2.54	1.37		
9	5.27	2.93	3.90	9.95	79.60	31.62	46.33	9.17	5.07	2.93	2.34	1.37		
10	4.10	3.90	3.71	4.29	88.29	27.69	43.16	8.78	5.07	2.93	2.34	1.17		
11	4.10	5.46	3.71	20.09	78.87	27.89	36.95	8.58	4.88	2.93	2.15	1.37		
12	4.10	7.41	3.51	25.94	69.00	26.72	31.62	8.39	4.88	2.93	2.15	1.37		
13	4.88	6.63	3.51	25.55	67.55	29.64	28.67	8.19	4.88	2.93	1.95	1.56		
14	4.88	4.68	3.32	29.45	68.42	29.25	26.33	8.00	4.68	2.73	1.95	1.56		
15	5.07	3.71	3.32	41.28	67.26	32.46	24.96	8.00	4.49	2.73	1.76	1.95		
16	4.88	4.68	3.12	47.61	66.10	32.67	23.40	8.00	4.49	2.73	1.95	1.95		
17	7.22	5.66	3.12	46.08	73.22	27.89	21.84	8.19	4.49	2.73	1.95	1.95		
18	12.29	6.24	2.93	28.67	77.84	30.62	20.09	8.00	4.29	2.73	1.76	1.95		
19	15.21	6.24	2.93	20.28	72.56	36.50	18.72	9.56	4.29	2.73	1.76	1.56		
20	10.73	6.24	2.73	26.91	61.83	30.42	17.36	8.97	4.29	2.73	1.76	1.56		
21	6.83	6.24	2.73	27.89	118.04	26.72	16.38	7.80	4.10	2.73	1.95	1.37		
22	5.46	6.05	2.34	30.62	185.89	28.28	15.60	7.41	4.10	2.73	1.95	0.98		
23	4.29	5.46	2.34	30.03	138.57	27.89	14.82	7.22	4.10	2.54	1.76	0.98		
24	3.71	4.68	2.34	31.01	101.17	26.72	13.85	7.22	3.90	2.54	1.76	1.56		
25	3.12	4.29	2.34	29.06	79.23	34.91	13.07	8.19	3.90	2.34	1.76	1.37		
26	3.12	4.10	2.15	24.38	66.68	48.12	12.09	8.00	3.71	2.34	1.95	0.78		
27	9.75	3.90	2.15	26.52	57.43	69.00	11.31	8.00	3.51	2.34	1.56	0.78		
28	6.24	3.90	2.15	26.72	49.14	73.22	10.92	8.97	3.51	2.34	1.37	0.98		
29	8.58	3.71	2.15	23.40	46.59	64.39	10.34	9.17	3.51	2.15		1.37		
30	9.75	3.71	2.15	18.33	43.39	55.00	9.75	8.58	3.32	2.15		1.37		
31		3.71		27.50	36.95		9.36		3.32	2.15		1.37		
Total	165.26	135.59	93.49	654.54	2082.40	1049.86	990.59	249.67	147.30	85.88	56.63	41.62	5752.83	CMSDAY
Mean	5.51	4.37	3.12	21.11	67.17	35.00	31.95	8.32	4.75	2.77	2.02	1.34	15.76	CMS
Max	15.21	7.41	4.10	47.61	185.89	73.22	75.20	9.56	8.00	3.32	2.54	1.95	185.89	CMS
Min	0.20	2.15	2.15	2.54	23.40	25.35	9.36	7.22	3.32	2.15	1.37	0.78	0.20	CMS
Runoff	14.28	11.71	8.08	56.55	179.92	90.71	85.59	21.57	12.73	7.42	4.89	3.60	497.04	MCM
Momentary Peak	198.70	CMS.	at 190.79 m. (MSL.) at 04.00 Hours , on Aug 22, 2022											
Runoff Yield	16.22	Liters/Second/Square KM.				Momentary Peak Yield	204.42	Liters/Second/Square KM.						

WATER YEAR : 2022

NAN RIVER BASIN

Nam Fua at Ban Kok Muang, Phitsanulok (N.58)

Lat 17 - 08 - 50 N Long 100 - 55 - 49 E

Location : on left bank at the bridge of Nakhon Thai - Dan Sai Road from the guidpost 11.5

	Ban	Kok Muang	Amphoe	Nakhon Thai	Changwat	Phitsanulok
Drainge Area	316	sq.km.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+208.360	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 16 meters from the top staff gage.				Elevation	+214.931 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1984 to date					
Rating Operation						
Period of Rating	1996 to date					
Rated by Float	-					
Rated by Current Meter	1996 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 18 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	210.11	210.02	210.07	210.06	211.11	211.03	212.02	210.65	210.48	210.36	210.28	210.20	
2	210.11	210.02	210.07	210.06	211.12	211.23	211.87	210.60	210.48	210.36	210.28	210.20	
3	210.09	210.01	210.09	210.06	210.83	211.10	211.82	210.58	210.47	210.36	210.28	210.20	
4	210.09	210.01	210.09	210.06	210.70	210.93	211.80	210.58	210.47	210.39	210.28	210.20	
5	210.08	210.01	210.11	210.09	210.76	210.82	211.79	210.58	210.46	210.41	210.28	210.20	
6	210.08	210.07	210.13	210.05	211.05	211.77	211.78	210.58	210.46	210.45	210.28	210.20	
7	210.08	210.13	210.12	210.05	211.29	211.15	211.74	210.58	210.46	210.49	210.28	210.20	
8	210.07	210.15	210.12	210.05	213.00	210.91	211.71	210.58	210.46	210.53	210.29	210.20	
9	210.07	210.22	210.11	210.05	214.19	210.99	211.68	210.58	210.46	210.58	210.29	210.20	
10	210.06	210.18	210.11	210.16	212.00	211.34	211.62	210.58	210.46	210.62	210.29	210.20	
11	210.06	210.09	210.10	211.04	211.74	211.12	211.52	210.58	210.45	210.66	210.28	210.19	
12	210.06	210.09	210.10	210.41	212.40	211.19	211.41	210.58	210.45	210.69	210.28	210.19	
13	210.05	210.09	210.10	213.03	211.60	211.58	211.32	210.59	210.45	210.43	210.27	210.19	
14	210.05	210.08	210.09	212.20	212.39	211.33	211.24	210.59	210.43	210.38	210.27	210.19	
15	210.05	210.08	210.09	211.95	211.45	211.18	211.17	210.59	210.42	210.36	210.26	210.19	
16	210.04	210.07	210.08	210.97	213.54	211.08	211.09	210.59	210.42	210.34	210.26	210.18	
17	210.04	210.07	210.12	210.59	213.27	211.03	211.02	210.59	210.41	210.34	210.25	210.18	
18	210.03	210.10	210.11	210.72	212.37	211.08	210.97	210.59	210.39	210.32	210.25	210.18	
19	210.03	210.11	210.11	210.51	211.71	212.02	210.93	210.58	210.38	210.31	210.25	210.18	
20	210.02	210.08	210.11	210.67	211.48	211.40	210.89	210.58	210.38	210.31	210.25	210.18	
21	210.02	210.08	210.10	210.83	214.72	211.46	210.86	210.57	210.37	210.30	210.24	210.17	
22	210.02	210.07	210.10	211.09	212.22	211.47	210.84	210.57	210.36	210.30	210.24	210.17	
23	210.05	210.07	210.14	211.48	211.56	211.82	210.83	210.56	210.36	210.30	210.23	210.17	
24	210.07	210.18	210.12	211.02	211.27	211.59	210.82	210.56	210.36	210.29	210.23	210.17	
25	210.05	210.22	210.11	210.78	211.18	213.49	210.81	210.56	210.36	210.29	210.22	210.17	
26	210.05	210.22	210.10	210.69	211.28	214.83	210.81	210.55	210.36	210.29	210.22	210.16	
27	210.12	210.12	210.10	210.68	211.32	214.45	210.78	211.13	210.35	210.29	210.21	210.16	
28	210.10	210.10	210.10	210.68	211.06	213.27	210.76	210.56	210.35	210.29	210.20	210.16	
29	210.05	210.09	210.10	210.68	211.21	212.34	210.73	210.47	210.35	210.29		210.16	
30	210.04	210.08	210.09	210.80	211.08	212.21	210.70	210.45	210.35	210.29		210.16	
31		210.08		212.05	211.03		210.68		210.35	210.29		210.16	
Mean	210.06	210.10	210.10	210.76	211.80	211.71	211.23	210.59	210.41	210.38	210.26	210.18	
Max	210.12	210.22	210.14	213.03	214.72	214.83	212.02	211.13	210.48	210.69	210.29	210.20	214.83
Min	210.02	210.01	210.07	210.05	210.70	210.82	210.68	210.45	210.35	210.29	210.20	210.16	210.01
Annual Max Momentary Gage Height	215.05		m. (MSL.) ,		at 15.00 Hours , on Sep 26, 2022								
Zero Gage at Bottom Elevation	208.36		m. (MSL.) ,		River Bed		209.55	m. (MSL.)					
Left Bank Elevation	215.13		m. (MSL.) ,										
Right Bank Elevation	215.15		m. (MSL.) ,		Drainage Are		316	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.37	0.23	0.31	0.29	3.20	2.84	9.71	1.45	1.00	0.74	0.62	0.50		
2	0.37	0.23	0.31	0.29	3.24	3.77	8.27	1.30	1.00	0.74	0.62	0.50		
3	0.34	0.22	0.34	0.29	2.02	3.15	7.79	1.25	0.98	0.74	0.62	0.50		
4	0.34	0.22	0.34	0.29	1.60	2.42	7.60	1.25	0.98	0.79	0.62	0.50		
5	0.32	0.22	0.37	0.34	1.78	1.98	7.52	1.25	0.95	0.83	0.62	0.50		
6	0.32	0.31	0.40	0.28	2.93	7.36	7.44	1.25	0.95	0.93	0.62	0.50		
7	0.32	0.40	0.38	0.28	4.10	3.38	7.12	1.25	0.95	1.03	0.62	0.50		
8	0.31	0.43	0.38	0.28	23.50	2.34	6.88	1.25	0.95	1.13	0.64	0.50		
9	0.31	0.53	0.37	0.28	58.19	2.66	6.64	1.25	0.95	1.25	0.64	0.50		
10	0.29	0.47	0.37	0.44	9.50	4.37	6.16	1.25	0.95	1.36	0.64	0.50		
11	0.29	0.34	0.35	2.88	7.12	3.24	5.48	1.25	0.93	1.48	0.62	0.49		
12	0.29	0.34	0.35	0.83	14.10	3.56	4.77	1.25	0.93	1.57	0.62	0.49		
13	0.28	0.34	0.35	24.10	6.00	5.87	4.26	1.28	0.93	0.88	0.61	0.49		
14	0.28	0.32	0.34	11.60	13.98	4.32	3.82	1.28	0.88	0.77	0.61	0.49		
15	0.28	0.32	0.34	9.03	5.03	3.51	3.47	1.28	0.85	0.74	0.59	0.49		
16	0.26	0.31	0.32	2.58	35.54	3.06	3.11	1.28	0.85	0.71	0.59	0.47		
17	0.26	0.31	0.38	1.28	29.04	2.84	2.79	1.28	0.83	0.71	0.58	0.47		
18	0.25	0.35	0.37	1.66	13.73	3.06	2.58	1.28	0.79	0.68	0.58	0.47		
19	0.25	0.37	0.37	1.08	6.88	9.71	2.42	1.25	0.77	0.67	0.58	0.47		
20	0.23	0.32	0.37	1.51	5.22	4.70	2.26	1.25	0.77	0.67	0.58	0.47		
21	0.23	0.32	0.35	2.02	90.58	5.09	2.14	1.23	0.76	0.65	0.56	0.46		
22	0.23	0.31	0.35	3.11	11.85	5.16	2.06	1.23	0.74	0.65	0.56	0.46		
23	0.28	0.31	0.41	5.22	5.74	7.79	2.02	1.20	0.74	0.65	0.55	0.46		
24	0.31	0.47	0.38	2.79	3.99	5.94	1.98	1.20	0.74	0.64	0.55	0.46		
25	0.28	0.53	0.37	1.84	3.51	34.24	1.94	1.20	0.74	0.64	0.53	0.46		
26	0.28	0.53	0.35	1.57	4.04	99.34	1.94	1.18	0.74	0.64	0.53	0.44		
27	0.38	0.38	0.35	1.54	4.26	72.10	1.84	3.29	0.73	0.64	0.52	0.44		
28	0.35	0.35	0.35	1.54	2.97	29.04	1.78	1.20	0.73	0.64	0.50	0.44		
29	0.28	0.34	0.35	1.54	3.66	13.35	1.69	0.98	0.73	0.64		0.44		
30	0.26	0.32	0.34	1.90	3.06	11.73	1.60	0.93	0.73	0.64		0.44		
31		0.32		10.03	2.84		1.54		0.73	0.64		0.44		
Total	8.84	10.76	10.71	92.71	383.20	361.92	130.62	39.07	26.30	25.49	16.52	14.74	1120.88	CMSDAY
Mean	0.29	0.35	0.36	2.99	12.36	12.06	4.21							

WATER YEAR : 2022

NAN RIVER BASIN

Lam Nam Khan at Ban Na Pho Na Chan , Phitsanulok (N.59)

Lat 17 - 02 - 14 N Long 100 - 50 - 29 E

Location : on left bank at Ban Na Pho Na Chan.

	Ban Na Pho Na Chan	Amphoe Nakhon Thai	Changwat Phitsanulok
Drainge Area	420 sq.km.		
Type of Gage	Staff gage		
Zero Gage at Bottom	+197.680 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 25 meters from the top staff gage.	Elevation	+206.935 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings		
Period of Available Gage Records	1984 to date		
Rating Operation			
Period of Rating	1996 to date		
Rated by Float	-		
Rated by Current Meter	1996 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 19 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	201.48	201.33	201.55	201.27	204.07	205.40	205.43	201.79	201.57	201.27	201.16	201.07	
2	201.36	201.54	201.55	201.29	203.80	205.09	204.89	201.77	201.55	201.27	201.17	201.07	
3	201.30	201.45	201.55	201.26	203.12	204.08	205.01	201.74	201.54	201.26	201.18	201.07	
4	201.26	201.33	201.55	201.23	203.08	204.07	204.71	201.72	201.54	201.26	201.19	201.07	
5	201.24	201.27	201.55	201.40	204.01	204.03	204.01	201.69	201.53	201.26	201.20	201.07	
6	201.23	201.27	201.55	201.36	203.15	205.69	203.73	201.66	201.51	201.25	201.22	201.07	
7	201.22	201.24	201.55	201.39	202.77	205.49	203.47	201.65	201.49	201.25	201.23	201.07	
8	201.20	201.22	201.54	201.32	206.04	203.70	203.63	201.63	201.47	201.25	201.24	201.08	
9	201.18	201.49	201.54	203.46	205.84	203.79	203.48	201.62	201.45	201.24	201.24	201.08	
10	201.16	201.57	201.54	204.45	205.96	203.53	203.31	201.60	201.44	201.24	201.23	201.08	
11	201.14	201.61	201.52	205.39	205.61	203.11	203.02	201.57	201.42	201.23	201.22	201.08	
12	201.12	201.65	201.51	206.18	204.71	204.33	202.82	201.55	201.40	201.23	201.20	201.08	
13	201.12	201.55	201.50	205.99	204.52	204.64	202.72	201.56	201.36	201.22	201.18	201.08	
14	201.10	201.43	201.46	205.00	204.84	204.42	202.65	201.55	201.35	201.22	201.16	201.08	
15	201.08	201.32	201.43	204.46	205.33	203.40	202.55	201.54	201.35	201.21	201.14	201.08	
16	201.08	201.28	201.40	203.90	205.75	202.34	202.60	201.54	201.33	201.21	201.13	201.07	
17	201.07	201.46	201.36	204.43	206.09	202.06	202.46	201.54	201.32	201.20	201.12	201.07	
18	201.16	201.44	201.34	202.99	205.96	202.75	202.36	201.55	201.31	201.20	201.11	201.07	
19	201.13	201.43	201.32	202.62	204.92	204.45	202.28	201.77	201.30	201.19	201.10	201.07	
20	201.29	201.43	201.29	205.70	204.25	203.74	202.21	201.63	201.30	201.19	201.09	201.07	
21	202.24	201.40	201.27	205.40	206.65	203.15	202.20	201.54	201.30	201.18	201.08	201.06	
22	203.01	201.38	201.26	205.29	206.48	203.00	202.12	201.51	201.30	201.18	201.08	201.06	
23	203.01	201.37	201.26	205.41	205.08	203.94	202.09	201.48	201.29	201.17	201.08	201.06	
24	201.69	201.36	201.25	204.51	205.07	203.02	202.04	201.50	201.29	201.17	201.07	201.06	
25	201.51	201.35	201.34	204.25	203.78	204.31	202.00	201.86	201.29	201.16	201.07	201.05	
26	201.37	201.34	201.27	202.91	204.09	205.45	201.96	201.82	201.29	201.16	201.07	201.05	
27	201.30	201.34	201.30	203.73	204.57	204.83	201.94	202.90	201.28	201.15	201.07	201.05	
28	201.27	201.33	201.32	204.22	204.12	204.29	201.93	202.86	201.28	201.15	201.07	201.04	
29	201.25	201.33	201.26	202.46	203.82	204.73	201.89	201.80	201.28	201.15		201.04	
30	201.34	201.34	201.23	202.95	203.62	204.87	201.85	201.61	201.28	201.15		201.04	
31		201.34		204.11	203.78		201.82		201.28	201.15		201.04	
Mean	201.40	201.39	201.41	203.56	204.67	204.06	202.88	201.72	201.38	201.21	201.15	201.07	
Max	203.01	201.65	201.55	206.18	206.65	205.69	205.43	202.90	201.57	201.27	201.24	201.08	206.65
Min	201.07	201.22	201.23	201.23	202.77	202.06	201.82	201.48	201.28	201.15	201.07	201.04	201.04
Annual Max Momentary Gage Height	207.00		m. (MSL.) ,			at 12.00 Hours , on Aug 21, 2022							
Zero Gage at Bottom Elevation		197.68	m. (MSL.) ,			River Bed	200.49	m. (MSL.)					
Left Bank Elevation		207.62	m. (MSL.) ,										
Right Bank Elevation		207.16	m. (MSL.) ,			Drainage Are	420	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.44	0.99	1.65	0.81	12.89	30.90	31.65	2.37	1.71	0.81	0.48	0.21		
2	1.08	1.62	1.65	0.87	11.20	24.50	20.94	2.31	1.65	0.81	0.51	0.21		
3	0.90	1.35	1.65	0.78	7.54	12.96	22.90	2.22	1.62	0.78	0.54	0.21		
4	0.78	0.99	1.65	0.69	7.36	12.89	18.42	2.16	1.62	0.78	0.57	0.21		
5	0.72	0.81	1.65	1.20	12.47	12.61	12.47	2.07	1.59	0.78	0.60	0.21		
6	0.69	0.81	1.65	1.08	7.68	38.38	10.78	1.98	1.53	0.75	0.66	0.21		
7	0.66	0.72	1.65	1.17	5.98	33.15	9.35	1.95	1.47	0.75	0.69	0.21		
8	0.60	0.66	1.62	0.96	48.88	10.60	10.18	1.89	1.41	0.75	0.72	0.24		
9	0.54	1.47	1.62	9.30	42.50	11.14	9.40	1.86	1.35	0.72	0.72	0.24		
10	0.48	1.71	1.62	15.75	46.04	9.65	8.51	1.80	1.32	0.72	0.69	0.24		
11	0.42	1.83	1.56	30.68	36.18	7.50	7.09	1.71	1.26	0.69	0.66	0.24		
12	0.36	1.95	1.53	54.41	18.42	14.83	6.19	1.65	1.20	0.69	0.60	0.24		
13	0.36	1.65	1.50	46.99	16.34	17.58	5.78	1.68	1.08	0.66	0.54	0.24		
14	0.30	1.29	1.38	22.70	20.14	15.51	5.50	1.65	1.05	0.66	0.48	0.24		
15	0.24	0.96	1.29	15.83	29.36	9.00	5.10	1.62	1.05	0.63	0.42	0.24		
16	0.24	0.84	1.20	11.80	40.03	4.29	5.30	1.62	0.99	0.63	0.39	0.21		
17	0.21	1.38	1.08	15.59	50.86	3.31	4.74	1.62	0.96	0.60	0.36	0.21		
18	0.48	1.32	1.02	6.96	46.04	5.90	4.36	1.65	0.93	0.60	0.33	0.21		
19	0.39	1.29	0.96	5.38	21.42	15.75	4.08	2.31	0.90	0.57	0.30	0.21		
20	0.87	1.29	0.87	38.65	14.23	10.84	3.84	1.89	0.90	0.57	0.27	0.21		
21	3.94	1.20	0.81	30.90	79.73	7.68	3.80	1.62	0.90	0.54	0.24	0.18		
22	7.05	1.14	0.78	28.50	69.46	7.00	3.52	1.53	0.90	0.54	0.24	0.18		
23	7.05	1.11	0.78	31.15	24.30	12.04	3.42	1.44	0.87	0.51	0.24	0.18		
24	2.07	1.08	0.75	16.25	24.10	7.09	3.24	1.50	0.87	0.51	0.21	0.18		
25	1.53	1.05	1.02	14.23	11.08	14.68	3.10	2.61	0.87	0.48	0.21	0.15		
26	1.11	1.02	0.81	6.60	13.03	32.15	2.96	2.47	0.87	0.48	0.21	0.15		
27	0.90	1.02	0.90	10.78	16.82	19.98	2.89	6.55	0.84	0.45	0.21	0.15		
28	0.81	0.99	0.96	14.00	13.25	14.53	2.86	6.37	0.84	0.45	0.21	0.12		
29	0.75	0.99	0.78	4.74	11.32	18.66	2.72	2.40	0.84	0.45		0.12		
30	1.02	1.02	0.69	6.78	10.12	20.62	2.58	1.83	0.84	0.45		0.12		
31		1.02		13.18	11.08		2.47		0.84	0.45		0.12		
Total	37.99	36.57	37.08	458.71	779.85	455.72	240.14	66.33	35.07	19.26	12.30	6.09	2185.11	CMSDAY
Mean	1.27</													

WATER YEAR : 2022

NAN RIVER BASIN

Nan River at Ban Hat Song Khwae , Uttaradit (N.60)

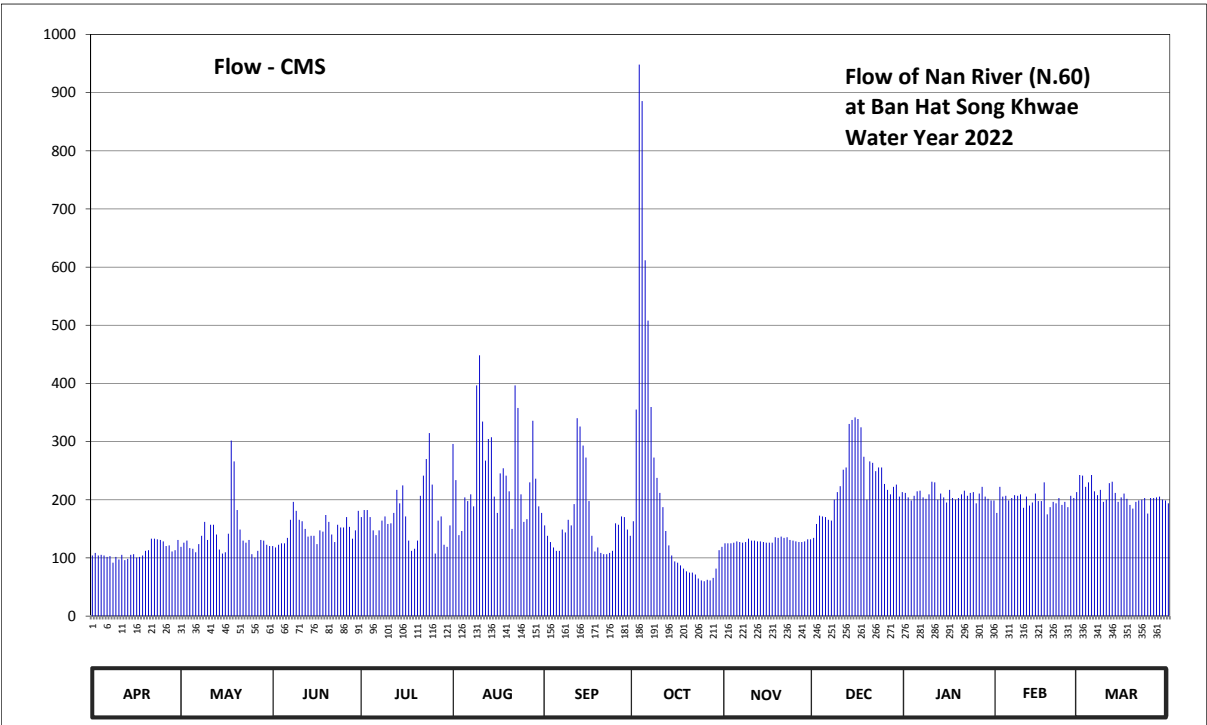
Lat 17 - 25 - 06 N Long 100 - 07 - 51 E

Location : on right bank about 1 kilometer downstream from Wat Hat Song Khwae.

	Ban Hat Song Khwae	Amphoe Tron	Changwat	Uttaradit
Drainge Area	18,232 sq.km.			
Type of Gage	Water - stage recorder			
Zero Gage at Bottom	+48.500 m. (MSL.)			
Bench Mark	B.M.-H.D.			
Location BM	On right bank near the Meteorological Station.		Elevation	+57.592 m. (MSL.)
Gage Reading Frequency	Recording			
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings			
Period of Available Gage Records	1986 to date			
Rating Operation				
Period of Rating	1986 to date			
Rated by Float	-			
Rated by Current Meter	1986 to date			
Stability of Channel Regimes	Stable.			
Overbank Flow Conditions	No overbank flow.			
General Description	Records good. Flow effected by Sirikit Dam reservior. Stage-discharge relation defined by 26 discharge measurements made in 2022.			

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	49.15	49.28	49.29	49.71	50.68	49.59	49.65	49.33	49.41	50.04	49.77	50.28	
2	49.19	49.34	49.27	49.81	50.21	49.44	51.09	49.33	49.61	49.98	50.12	50.27	
3	49.15	49.37	49.31	49.81	49.45	49.35	54.35	49.33	49.73	49.94	49.99	50.12	
4	49.16	49.26	49.33	49.71	49.51	49.27	54.06	49.34	49.72	50.00	50.00	50.18	
5	49.15	49.25	49.33	49.52	49.98	49.22	52.66	49.36	49.71	50.06	49.94	50.28	
6	49.13	49.20	49.41	49.45	49.93	49.22	52.06	49.35	49.67	50.07	49.97	50.06	
7	49.14	49.32	49.67	49.52	50.02	49.53	51.12	49.34	49.66	49.98	50.01	50.01	
8	49.04	49.44	49.92	49.66	49.86	49.49	50.51	49.35	49.95	49.96	50.00	50.08	
9	49.13	49.64	49.80	49.72	51.37	49.67	50.24	49.40	50.05	50.02	50.02	49.92	
10	49.09	49.38	49.67	49.61	51.70	49.59	50.04	49.37	50.13	50.19	49.84	49.95	
11	49.16	49.60	49.65	49.62	50.95	49.89	49.85	49.37	50.35	50.18	49.99	50.17	
12	49.08	49.60	49.54	49.77	50.47	50.99	49.51	49.36	50.38	49.95	49.87	50.19	
13	49.10	49.46	49.43	50.08	50.74	50.89	49.30	49.36	50.92	50.03	49.91	50.04	
14	49.16	49.24	49.44	49.90	50.76	50.66	49.15	49.35	50.97	49.98	50.03	49.92	
15	49.17	49.18	49.44	50.14	49.99	50.51	49.06	49.34	51.00	49.91	49.93	49.98	
16	49.12	49.20	49.32	49.72	49.77	49.93	49.04	49.34	50.98	50.08	49.93	50.03	
17	49.13	49.47	49.52	49.37	50.30	49.44	49.00	49.34	50.88	49.97	50.18	49.96	
18	49.15	50.72	49.50	49.22	50.37	49.21	48.95	49.42	50.52	49.95	49.75	49.88	
19	49.22	50.46	49.74	49.25	50.27	49.27	48.91	49.41	49.95	49.97	49.85	49.83	
20	49.23	49.81	49.64	49.37	50.06	49.19	48.89	49.43	50.46	50.02	49.92	49.92	
21	49.40	49.53	49.46	50.00	49.54	49.17	48.89	49.41	50.44	50.07	49.90	49.94	
22	49.40	49.37	49.35	50.27	51.37	49.17	48.86	49.42	50.33	50.00	49.97	49.95	
23	49.39	49.34	49.60	50.49	51.11	49.19	48.80	49.38	50.38	50.04	49.88	49.97	
24	49.38	49.38	49.56	50.81	50.02	49.22	48.77	49.37	50.38	50.05	49.92	49.76	
25	49.36	49.17	49.56	50.15	49.64	49.62	48.76	49.36	50.16	49.90	49.85	49.97	
26	49.29	49.12	49.71	49.18	49.68	49.60	48.78	49.35	50.08	50.03	50.00	49.97	
27	49.30	49.22	49.57	49.66	50.18	49.72	48.77	49.35	50.02	50.12	49.97	49.98	
28	49.21	49.38	49.40	49.72	50.96	49.71	48.81	49.36	50.12	49.99	50.05	49.99	
29	49.23	49.37	49.52	49.31	50.23	49.53	48.95	49.39	50.15	49.96		49.95	
30	49.38	49.31	49.80	49.28	49.86	49.44	49.23	49.39	49.99	49.94		49.94	
31		49.29		49.59	49.77		49.28		50.05	49.94		49.90	
Mean	49.21	49.44	49.52	49.72	50.28	49.62	49.85	49.37	50.20	50.01	49.95	50.01	
Max	49.40	50.72	49.92	50.81	51.70	50.99	54.35	49.43	51.00	50.19	50.18	50.28	54.35
Min	49.04	49.12	49.27	49.18	49.45	49.17	48.76	49.33	49.41	49.90	49.75	49.76	48.76
Annual Max Momentary Gage Height	54.79		m. (MSL.) ,			at 18.00 Hours ,	on Oct 3, 2022						
Zero Gage at Bottom Elevation		48.50	m. (MSL.) ,			River Bed	44.83	m. (MSL.)					
Left Bank Elevation		58.43	m. (MSL.) ,										
Right Bank Elevation		56.81	m. (MSL.) ,			Drainage Are	18,232	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	104.15	119.16	120.33	170.25	296.00	155.91	163.08	125.01	134.40	211.84	177.42	242.68		
2	108.67	126.18	117.99	182.29	233.69	137.98	354.97	125.01	158.30	204.13	222.12	241.40		
3	104.15	129.69	122.67	182.29	139.18	127.35	948.00	125.01	172.64	198.99	205.42	222.12		
4	105.28	116.82	125.01	170.25	146.35	117.99	885.36	126.18	171.44	206.70	206.70	229.83		
5	104.15	115.65	125.01	147.54	204.13	112.14	611.65	128.52	170.25	214.41	198.99	242.68		
6	101.89	109.80	134.40	139.18	197.71	112.14	507.99	127.35	165.47	215.70	202.85	214.41		
7	103.02	123.84	165.47	147.54	209.27	148.74	359.42	126.18	164.27	204.13	207.99	207.99		
8	91.72	137.98	196.42	164.27	188.71	143.96	272.68	127.35	200.28	201.56	206.70	216.98		
9	101.89	161.88	181.00	171.44	396.55	165.47	237.54	133.20	213.13	209.27	209.27	196.42		
10	97.37	130.86	165.47	158.30	448.40	155.91	211.84	129.69	223.41	231.12	186.14	200.28		
11	105.28	157.10	163.08	159.49	334.48	192.57	187.43	129.69	251.68	229.83	205.42	228.55		
12	96.24	157.10	149.93	177.42	267.38	340.18	146.35	128.52	255.53	200.28	190.00	231.12		
13	98.50	140.37	136.79	216.98	304.55	325.93	121.50	128.52	330.20	210.56	195.14	211.84		
14	105.28	114.48	137.98	193.85	307.40	293.15	104.15	127.35	337.33	204.13	210.56	196.42		
15	106.41	107.54	137.98	224.69	205.42	272.68	93.98	126.18	341.60	195.14	197.71	204.13		
16	100.76	109.80	123.84	171.44	177.42	197.71	91.72	126.18	338.75	216.98	197.71	210.56		
17	101.89	141.57	147.54	129.69	245.25	137.98	87.20	126.18	324.50	202.85	229.83	201.56		
18	104.15	301.70	145.15	112.14	254.25	110.97	81.55	135.59	274.00	200.28	175.03	191.28		
19	112.14	266.05	173.83	115.65	241.40	117.99	77.03	134.40	200.28	202.85	187.43	184.86		
20	113.31	182.29	161.88	129.69	214.41	108.67	74.77	136.79	266.05	209.27	196.42	196.42		
21	133.20	148.74	140.37	206.70	149.93	106.41	74.77	134.40	263.40	215.70	193.85	198.99		
22	133.20	129.69	127.35	241.40	396.55	106.41	71.38	135.59	249.11	206.70	202.85	200.28		
23	132.03	126.18	157.10	270.03	357.94	108.67	64.60	130.86	255.53	211.84	191.28	202.85		
24	130.86	130.86	152.32	314.53	209.27	112.14	61.21	129.69	255.53	213.13	196.42	176.22		
25	128.52	106.41	152.32	225.98	161.88	159.49	60.08	128.52	227.26	193.85	187.43	202.85		
26	120.33	100.76	170.25	107.54	166.66	157.10	62.34	127.35	216.98	210.56	206.70	202.85		
27	121.50	112.14	153.52	164.27	229.83	171.44	61.21	127.35	209.27	222.12	202.85	204.13		
28	110.97	130.86	133.20	171.44	335.90	170.25	65.73	128.52	222.12	205.42	213.13	205.42		
29	113.31	129.69	147.54	122.67	236.26	148.74	81.55	132.03	225.98	201.56		200.28		
30	130.86	122.67	181.00	119.16	188.71	137.98	113.31	132.03	205.42	198.99		198.99		
31		120.33		155.91	177.42		119.16		213.13	198.99		193.85		
Total	3321.03	4308.19	4446.74	5364.02	7622.30	4854.05	6453.55	3879.24	7237.24	6448.88	5603.36	6458.24	65996.84	CMSDAY
Mean	110.70	138.97	148.22	173.03	245.88	161.80	208.18	129.31	233.46	208.03	200.12	208.33	180.81	CMS
Max	133.20	301.70	196.42	314.53	448.40	340.18	948.00	136.79	341.60	231.12	229.83	242.68	948.00	CMS
Min	91.72	100.76	117.99	107.54	139.18	106.41	60.08	125.01	134.40	193.85	175.03	176.22	60.08	CMS
Runoff	286.94	372.23	384.20	463.45	658.57	419.39	557.59	335.17	625.30	557.18	484.13	557.99	5702.13	MCM
Momentary Peak	1043.04		CMS. at 54.79 m. (MSL.)											on Oct 3, 2022
Runoff Yield	9.92		Liters/Second/Square KM.											Momentary Peak Yield 57.21 Liters/Second/Square KM.

WATER YEAR : 2022

NAN RIVER BASIN

Huai Nam Khlung at Ban Huai Tha Nua , Phitsanulok (N.62)

Lat 17 - 14 - 44 N Long 100 - 32 - 07 E

Location : on left bank at Ban Huai Tha Nua.

	Ban	Huai Tha Nua	Amphoe	Chat Trakan	Changwat	Phitsanulok
Drainge Area	350	sq.km.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+190.310	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 60 meters from the top staff gage.				Elevation	+200.077 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1986 to date					
Rating Operation						
Period of Rating	1996 to date					
Rated by Float	-					
Rated by Current Meter	1996 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 19 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	191.44	191.36	191.49	191.32	192.62	192.75	193.92	191.58	191.90	191.46	191.38	191.30	
2	191.46	191.37	191.43	191.31	192.86	192.19	194.24	191.58	191.90	191.47	191.39	191.30	
3	191.51	191.37	191.39	191.31	193.14	192.58	194.36	191.68	191.79	191.48	191.40	191.30	
4	191.55	191.36	191.36	191.30	193.44	192.21	194.05	191.64	191.69	191.49	191.41	191.30	
5	191.52	191.36	191.35	191.30	193.74	191.78	193.28	191.57	191.64	191.50	191.42	191.30	
6	191.50	191.36	191.34	191.31	194.05	192.05	193.23	191.52	191.59	191.51	191.43	191.30	
7	191.48	191.35	191.33	191.35	194.36	191.56	192.75	191.51	191.55	191.52	191.44	191.30	
8	191.46	191.35	191.33	191.44	194.68	191.36	192.36	191.51	191.51	191.53	191.46	191.30	
9	191.45	191.35	191.33	191.49	195.13	193.09	192.85	191.50	191.50	191.54	191.45	191.30	
10	191.44	191.36	191.33	191.51	195.86	194.97	193.31	191.50	191.50	191.55	191.44	191.30	
11	191.43	191.25	191.33	191.52	195.46	193.89	192.74	191.50	191.50	191.57	191.43	191.31	
12	191.42	191.40	191.32	191.54	194.17	193.17	192.37	191.49	191.50	191.59	191.41	191.31	
13	191.41	191.19	191.32	191.55	193.22	192.98	191.99	191.49	191.49	191.58	191.40	191.31	
14	191.41	191.06	191.35	191.59	192.97	192.87	191.59	191.50	191.48	191.56	191.40	191.31	
15	191.41	191.00	191.42	191.65	192.74	193.83	191.77	191.51	191.48	191.55	191.40	191.31	
16	191.40	191.03	191.44	191.72	193.59	193.59	192.23	191.51	191.47	191.54	191.39	191.31	
17	191.40	191.03	191.42	191.81	193.74	193.16	192.29	191.48	191.47	191.51	191.39	191.30	
18	191.39	191.09	191.41	191.95	192.99	193.17	192.06	191.48	191.46	191.49	191.39	191.30	
19	191.39	191.16	191.40	192.12	192.38	193.00	192.04	191.52	191.45	191.43	191.38	191.29	
20	191.38	191.19	191.40	192.25	192.48	192.95	191.51	191.63	191.45	191.42	191.37	191.29	
21	191.37	191.34	191.38	192.31	192.94	192.53	191.41	191.56	191.45	191.41	191.36	191.28	
22	191.36	191.50	191.37	192.35	193.38	192.35	191.40	191.51	191.45	191.41	191.35	191.28	
23	191.35	191.64	191.36	192.36	193.64	192.26	191.22	191.51	191.45	191.41	191.34	191.27	
24	191.35	191.84	191.35	192.35	193.17	192.56	191.55	191.50	191.45	191.41	191.33	191.27	
25	191.34	191.91	191.34	192.32	192.37	193.17	191.70	191.50	191.48	191.40	191.32	191.27	
26	191.33	191.89	191.34	192.28	192.21	193.92	191.71	191.50	191.46	191.40	191.31	191.26	
27	191.33	191.82	191.33	192.27	192.51	193.90	191.71	191.50	191.47	191.40	191.30	191.26	
28	191.32	191.73	191.33	192.24	193.15	194.09	191.67	191.50	191.46	191.40	191.29	191.26	
29	191.33	191.67	191.32	192.26	193.08	193.82	191.61	191.50	191.46	191.40		191.25	
30	191.33	191.60	191.32	192.35	192.98	193.42	191.59	191.50	191.45	191.39		191.25	
31		191.54		192.46	193.09		191.59		191.45	191.39		191.25	
Mean	191.41	191.40	191.36	191.84	193.42	192.97	192.33	191.53	191.53	191.47	191.39	191.29	
Max	191.55	191.91	191.49	192.46	195.86	194.97	194.36	191.68	191.90	191.59	191.46	191.31	195.86
Min	191.32	191.00	191.32	191.30	192.21	191.36	191.22	191.48	191.45	191.39	191.29	191.25	191.00
Annual Max Momentary Gage Height	195.98		m. (MSL.) ,		at 18.00 Hours , on Aug 10, 2022								
Zero Gage at Bottom Elevation	190.31		m. (MSL.) ,		River Bed		190.40		m. (MSL.)				
Left Bank Elevation	196.87		m. (MSL.) ,										
Right Bank Elevation	196.92		m. (MSL.) ,		Drainage Are		350		Square Kilometers				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.13	0.77	1.36	0.59	11.34	12.90	28.72	1.88	4.00	1.22	0.86	0.50		
2	1.22	0.82	1.09	0.55	14.22	6.60	33.84	1.88	4.00	1.27	0.91	0.50		
3	1.46	0.82	0.91	0.55	17.82	10.86	35.76	2.48	3.23	1.31	0.95	0.50		
4	1.70	0.77	0.77	0.50	21.86	6.80	30.80	2.24	2.54	1.36	1.00	0.50		
5	1.52	0.77	0.73	0.50	26.08	3.16	19.64	1.82	2.24	1.40	1.04	0.50		
6	1.40	0.77	0.68	0.55	30.80	5.28	18.99	1.52	1.94	1.46	1.09	0.50		
7	1.31	0.73	0.64	0.73	35.76	1.76	12.90	1.46	1.70	1.52	1.13	0.50		
8	1.22	0.73	0.64	1.13	41.60	0.77	8.36	1.46	1.46	1.58	1.22	0.50		
9	1.18	0.73	0.64	1.36	50.60	17.17	14.10	1.40	1.40	1.64	1.18	0.50		
10	1.13	0.77	0.64	1.46	65.20	47.40	20.04	1.40	1.40	1.70	1.13	0.50		
11	1.09	0.38	0.64	1.52	57.20	28.26	12.78	1.40	1.40	1.82	1.09	0.55		
12	1.04	0.95	0.59	1.64	32.72	18.21	8.47	1.36	1.40	1.94	1.00	0.55		
13	1.00	0.23	0.59	1.70	18.86	15.74	4.77	1.36	1.36	1.88	0.95	0.55		
14	1.00	0.00	0.73	1.94	15.61	14.34	1.94	1.40	1.31	1.76	0.95	0.55		
15	1.00	0.00	1.04	2.30	12.78	27.39	3.09	1.46	1.31	1.70	0.95	0.55		
16	0.95	0.00	1.13	2.74	23.96	23.96	7.00	1.46	1.27	1.64	0.91	0.55		
17	0.95	0.00	1.04	3.37	26.08	18.08	7.60	1.31	1.27	1.46	0.91	0.50		
18	0.91	0.00	1.00	4.43	15.87	18.21	5.36	1.31	1.22	1.36	0.91	0.50		
19	0.91	0.15	0.95	5.90	8.58	16.00	5.19	1.52	1.18	1.09	0.86	0.48		
20	0.86	0.23	0.95	7.20	9.68	15.35	1.46	2.18	1.18	1.04	0.82	0.48		
21	0.82	0.68	0.86	7.81	15.22	10.26	1.00	1.76	1.18	1.00	0.77	0.45		
22	0.77	1.40	0.82	8.25	21.02	8.25	0.95	1.46	1.18	1.00	0.73	0.45		
23	0.73	2.24	0.77	8.36	24.66	7.30	0.30	1.46	1.18	1.00	0.68	0.43		
24	0.73	3.58	0.73	8.25	18.21	10.62	1.70	1.40	1.18	1.00	0.64	0.43		
25	0.68	4.09	0.68	7.92	8.47	18.21	2.60	1.40	1.31	0.95	0.59	0.43		
26	0.64	3.93	0.68	7.50	6.80	28.72	2.67	1.40	1.22	0.95	0.55	0.40		
27	0.64	3.44	0.64	7.40	10.02	28.40	2.67	1.40	1.27	0.95	0.50	0.40		
28	0.59	2.81	0.64	7.10	17.95	31.44	2.42	1.40	1.22	0.95	0.48	0.40		
29	0.64	2.42	0.59	7.30	17.04	27.24	2.06	1.40	1.22	0.95		0.38		
30	0.64	2.00	0.59	8.25	15.74	21.58	1.94	1.40	1.18	0.91		0.38		
31		1.64		9.46	17.17		1.94		1.18	0.91		0.38		
Total	29.86	37.85	23.76	128.26	708.92	500.26	301.06	46.78	50.13	40.72	24.80	14.79	1907.19	CMSDAY
Mean	1.00	1.22												

WATER YEAR : 2022

NAN RIVER BASIN

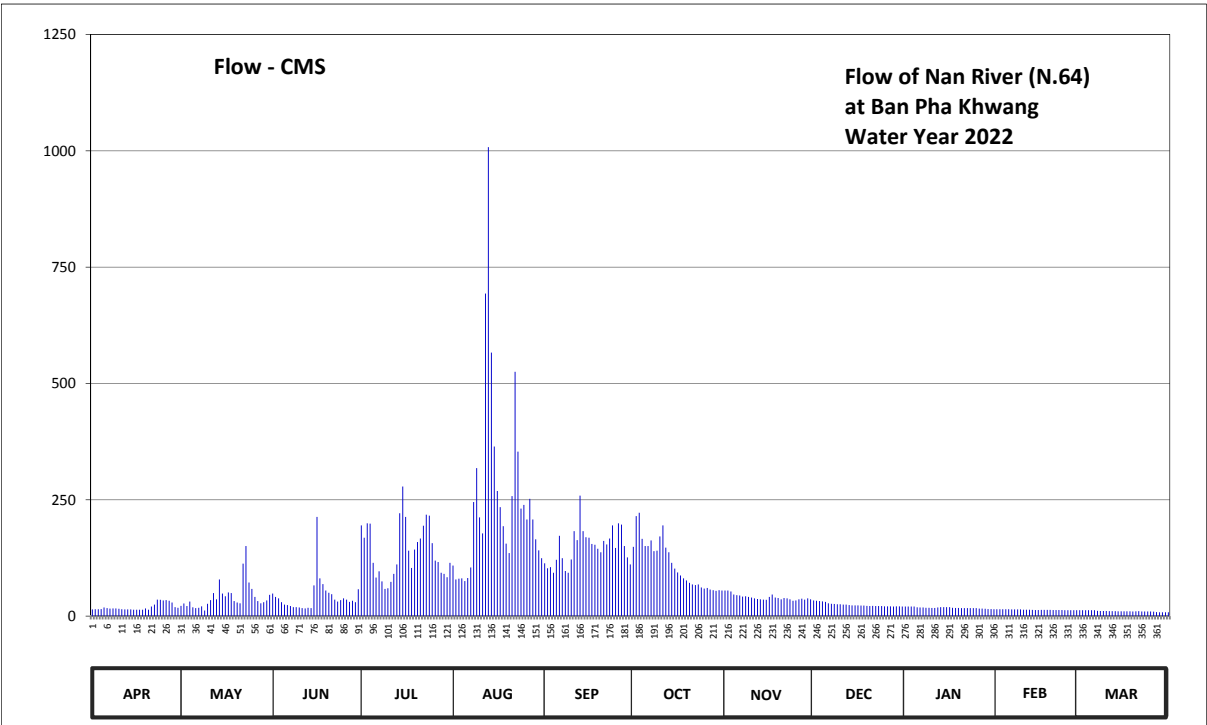
Nan River at Ban Pha Khwang , Nan (N.64)

Lat 19 - 00 - 55 N Long 100 - 46 - 49 E

Location : on right bank at the bridge on highway from Tambon Bo.

	Ban	Pha Khwang	Amphoe	Mueang	Changwat	Nan
Drainge Area	3,482	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+210.900 m. (MSL.)					
Bench Mark	B.M.- Temporary.					
Location BM	On right bank at the approach of the bridge.				Elevation	+223.555 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1994 to date					
Rating Operation						
Period of Rating	1994 to date					
Rated by Float	-					
Rated by Current Meter	1994 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 38 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	211.59	211.75	212.18	214.00	212.99	213.05	213.47	212.28	211.95	211.72	211.60	211.55	
2	211.60	211.84	212.07	213.70	212.62	212.92	214.22	212.28	211.94	211.72	211.60	211.55	
3	211.60	211.74	212.02	214.05	212.64	212.95	214.29	212.25	211.93	211.72	211.60	211.55	
4	211.61	211.91	211.89	214.04	212.65	212.80	213.67	212.15	211.92	211.72	211.60	211.55	
5	211.68	211.69	211.80	213.06	212.57	213.14	213.49	212.13	211.90	211.69	211.60	211.55	
6	211.65	211.65	211.78	212.67	212.66	213.75	213.49	212.12	211.85	211.68	211.59	211.55	
7	211.63	211.67	211.74	212.84	212.94	213.18	213.63	212.08	211.83	211.68	211.59	211.52	
8	211.64	211.73	211.70	212.56	214.52	212.85	213.36	212.09	211.82	211.67	211.59	211.51	
9	211.64	211.54	211.70	212.33	215.21	212.80	213.37	212.07	211.81	211.67	211.59	211.51	
10	211.62	211.83	211.68	212.35	214.19	213.15	213.73	212.05	211.81	211.66	211.58	211.51	
11	211.60	211.96	211.65	212.55	213.81	213.86	214.00	212.02	211.80	211.66	211.58	211.50	
12	211.59	212.20	211.64	212.77	218.37	213.64	213.45	212.00	211.80	211.68	211.58	211.50	
13	211.59	211.99	211.67	213.02	220.79	214.66	213.33	211.99	211.78	211.70	211.57	211.50	
14	211.59	212.62	211.65	214.28	217.37	213.86	213.06	211.98	211.77	211.70	211.56	211.49	
15	211.58	212.18	212.44	214.85	215.63	213.71	212.91	211.97	211.77	211.70	211.56	211.49	
16	211.58	212.09	214.20	214.20	214.76	213.70	212.81	212.07	211.77	211.70	211.57	211.49	
17	211.58	212.22	212.65	213.37	214.41	213.54	212.73	212.15	211.76	211.67	211.57	211.49	
18	211.58	212.20	212.48	212.93	213.98	213.52	212.65	212.05	211.76	211.66	211.57	211.49	
19	211.64	211.93	212.28	213.40	213.55	213.42	212.59	212.03	211.75	211.66	211.57	211.48	
20	211.58	211.88	212.21	213.59	213.31	213.33	212.52	211.99	211.74	211.65	211.56	211.49	
21	211.72	211.85	212.16	213.68	214.65	213.62	212.47	212.03	211.75	211.65	211.56	211.50	
22	211.80	213.04	211.98	213.99	217.04	213.53	212.45	212.02	211.74	211.65	211.56	211.48	
23	211.98	213.49	211.91	214.25	215.53	213.68	212.47	211.99	211.74	211.65	211.56	211.48	
24	211.97	212.53	211.96	214.23	214.38	214.00	212.38	211.94	211.74	211.65	211.55	211.48	
25	211.95	212.33	212.02	213.56	214.46	213.44	212.34	211.95	211.73	211.65	211.55	211.48	
26	211.96	212.07	211.98	213.12	214.14	214.05	212.36	211.99	211.73	211.63	211.55	211.47	
27	211.94	211.93	211.90	213.08	214.59	214.02	212.31	212.01	211.73	211.63	211.55	211.44	
28	211.88	211.85	211.94	212.80	214.14	213.49	212.29	211.98	211.72	211.62	211.55	211.43	
29	211.70	211.89	211.89	212.77	213.66	213.20	212.27	212.02	211.73	211.61		211.43	
30	211.67	211.95	212.32	212.68	213.38	213.02	212.29	211.99	211.73	211.61		211.43	
31		212.14		213.06	213.18		212.28		211.72	211.60		211.43	
Mean	211.69	212.05	212.05	213.35	214.46	213.46	212.99	212.06	211.79	211.67	211.57	211.49	
Max	211.98	213.49	214.20	214.85	220.79	214.66	214.29	212.28	211.95	211.72	211.60	211.55	220.79
Min	211.58	211.54	211.64	212.33	212.57	212.80	212.27	211.94	211.72	211.60	211.55	211.43	211.43
Annual Max Momentary Gage Height	221.49	m. (MSL.) ,			at 03.00 Hours , on Aug 13, 2022								
Zero Gage at Bottom Elevation	210.90	m. (MSL.) ,			River Bed	210.75	m. (MSL.)						
Left Bank Elevation		226.42	m. (MSL.) ,										
Right Bank Elevation		224.08	m. (MSL.) ,			Drainage Are	3,482	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	14.28	22.10	48.32	195.00	108.57	113.55	148.95	54.96	33.65	20.48	14.70	12.60		
2	14.70	27.08	41.28	168.50	78.84	102.76	215.00	54.96	33.02	20.48	14.70	12.60		
3	14.70	21.56	38.08	199.50	80.38	105.25	222.00	52.95	32.39	20.48	14.70	12.60		
4	15.17	31.13	29.93	198.60	81.15	93.00	165.95	46.40	31.76	20.48	14.70	12.60		
5	18.46	18.93	24.80	114.38	75.14	121.02	150.65	45.12	30.50	18.93	14.70	12.60		
6	17.05	17.05	23.72	82.69	81.92	172.75	150.65	44.48	27.65	18.46	14.28	12.60		
7	16.11	17.99	21.56	96.24	104.42	124.34	162.55	41.92	26.51	18.46	14.28	11.34		
8	16.58	21.02	19.40	74.42	245.00	97.05	139.60	42.56	25.94	17.99	14.28	10.92		
9	16.58	12.18	19.40	58.31	318.10	93.00	140.45	41.28	25.37	17.99	14.28	10.92		
10	15.64	26.51	18.46	59.65	212.10	121.85	171.05	40.00	25.37	17.52	13.86	10.92		
11	14.70	34.28	17.05	73.70	177.90	182.40	195.00	38.08	24.80	17.52	13.86	10.50		
12	14.28	49.60	16.58	90.60	693.10	163.40	147.25	36.80	24.80	18.46	13.86	10.50		
13	14.28	36.17	17.99	111.06	1007.70	259.00	137.05	36.17	23.72	19.40	13.44	10.50		
14	14.28	78.84	17.05	221.00	566.25	182.40	114.38	35.54	23.18	19.40	13.02	10.17		
15	13.86	48.32	65.84	278.50	364.30	169.35	101.93	34.91	23.18	19.40	13.02	10.17		
16	13.86	42.56	213.00	213.00	269.00	168.50	93.81	41.28	23.18	19.40	13.44	10.17		
17	13.86	50.94	81.15	140.45	234.00	154.90	87.40	46.40	22.64	17.99	13.44	10.17		
18	13.86	49.60	68.68	103.59	193.20	153.20	81.15	40.00	22.64	17.52	13.44	10.17		
19	16.58	32.39	54.96	143.00	155.75	144.70	76.58	38.72	22.10	17.52	13.44	9.84		
20	13.86	29.36	50.27	159.15	135.35	137.05	71.54	36.17	21.56	17.05	13.02	10.17		
21	20.48	27.65	47.04	166.80	258.00	161.70	67.97	38.72	22.10	17.05	13.02	10.50		
22	24.80	112.72	35.54	194.10	525.00	154.05	66.55	38.08	21.56	17.05	13.02	9.84		
23	35.54	150.65	31.13	218.00	353.30	166.80	67.97	36.17	21.56	17.05	13.02	9.84		
24	34.91	72.26	34.28	216.00	231.00	195.00	61.66	33.02	21.56	17.05	12.60	9.84		
25	33.65	58.31	38.08	156.60	239.00	146.40	58.98	33.65	21.02	17.05	12.60	9.84		
26	34.28	41.28	35.54	119.36	207.60	199.50	60.32	36.17	21.02	16.11	12.60	9.51		
27	33.02	32.39	30.50	116.04	252.00	196.80	56.97	37.44	21.02	16.11	12.60	8.52		
28	29.36	27.65	33.02	93.00	207.60	150.65	55.63	35.54	20.48	15.64	12.60	8.19		
29	19.40	29.93	29.93	90.60	165.10	126.00	54.29	38.08	21.02	15.17		8.19		
30	17.99	33.65	57.64	83.46	141.30	111.06	55.63	36.17	21.02	15.17		8.19		
31		45.76		114.38	124.34		54.96		20.48	14.70		8.19		
Total	586.12	1299.86	1260.22	4349.68	7886.41	4467.43	3433.87	1211.74	756.80	553.08	380.52	322.71	26508.44	CMSDAY
Mean	19.54	41.93	42.01	140.31	254.40	148.91	110.77	40.39	24.41	17.84	13.59	10.41	72.63	CMS
Max	35.54	150.65	213.00	278.50	1007.70	259.00	222.00	54.96	33.65	20.48	14.70	12.60	1007.70	CMS
Min	13.86	12.18	16.58	58.31	75.14	93.00	54.29	33.02	20.48	14.70	12.60	8.19	8.19	CMS
Runoff	50.64	112.31	108.88	375.81	681.39	385.99	296.69	104.69	65.39	47.79	32.88	27.88	2290.33	MCM
Momentary Peak	1103.60 CMS. at 221.49 m. (MSL.) at 03.00 Hours , on Aug 13, 2022													
Runoff Yield	20.86	Liters/Second/Square KM.			Momentary Peak Yield			316.94	Liters/Second/Square KM.					

WATER YEAR : 2022

NAN RIVER BASIN

Nam Yao at Ban Pang Sa , Nan (N.65)

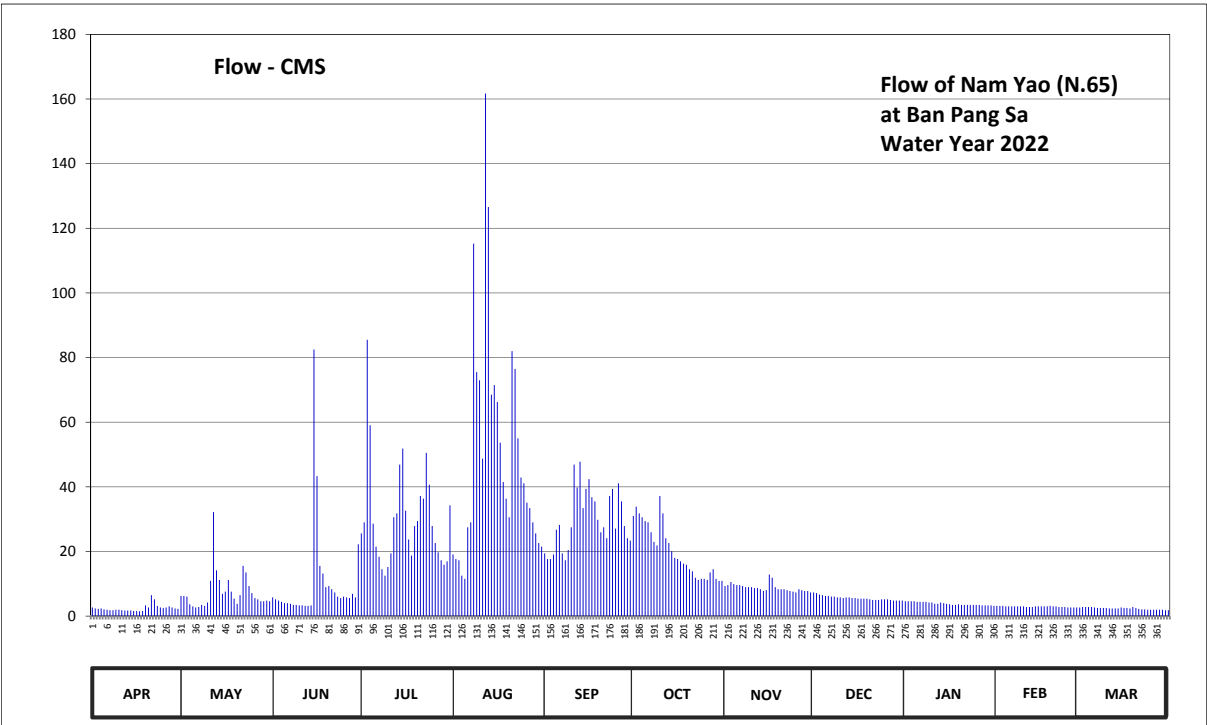
Lat 19 - 13 - 49 N Long 100 - 45 - 15 E

Location : on right bank at the bridge on highway.

	Ban Pang Sa	Amphoe Tha Wang Pha	Changwat Nan
Drainge Area	620 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+248.891 m. (MSL.)		
Bench Mark	B.M.- H.D.		
Location BM	On right bank about 20 meters from the top staff gage.	Elevation	+257.381 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1996 to date		
Rating Operation			
Period of Rating	1996 to date		
Rated by Float	-		
Rated by Current Meter	1996 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Stage-discharge relation defined by 37 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	249.43	249.62	249.60	250.21	250.03	250.04	250.35	249.74	249.67	249.54	249.46	249.43	
2	249.41	249.62	249.57	250.30	249.99	249.99	250.42	249.75	249.66	249.54	249.46	249.44	
3	249.40	249.61	249.55	251.54	249.98	249.99	250.37	249.78	249.64	249.54	249.46	249.44	
4	249.41	249.49	249.53	250.99	249.84	250.03	250.34	249.76	249.63	249.54	249.45	249.44	
5	249.39	249.45	249.51	250.29	249.81	250.24	250.31	249.75	249.62	249.53	249.45	249.44	
6	249.38	249.43	249.51	250.10	250.26	250.28	250.30	249.75	249.62	249.53	249.45	249.43	
7	249.37	249.44	249.50	250.01	250.30	250.04	250.22	249.74	249.61	249.53	249.45	249.42	
8	249.37	249.48	249.48	249.90	252.11	249.98	250.14	249.73	249.61	249.53	249.45	249.42	
9	249.38	249.46	249.48	249.84	251.34	250.07	250.11	249.73	249.60	249.52	249.45	249.42	
10	249.38	249.52	249.47	249.92	251.29	250.26	250.50	249.73	249.60	249.52	249.45	249.42	
11	249.37	249.79	249.47	250.04	250.76	250.72	250.37	249.72	249.59	249.50	249.44	249.41	
12	249.36	250.38	249.46	250.34	252.95	250.56	250.17	249.72	249.60	249.50	249.44	249.41	
13	249.36	249.89	249.46	250.37	252.32	250.74	250.13	249.71	249.60	249.52	249.44	249.41	
14	249.36	249.80	249.47	250.72	251.20	250.41	250.06	249.69	249.59	249.51	249.45	249.41	
15	249.35	249.65	251.48	250.83	251.26	250.55	250.00	249.70	249.59	249.50	249.45	249.43	
16	249.35	249.68	250.64	250.39	251.15	250.62	249.99	249.85	249.58	249.49	249.45	249.42	
17	249.34	249.80	249.93	250.16	250.87	250.49	249.97	249.82	249.58	249.48	249.45	249.42	
18	249.35	249.68	249.86	250.02	250.60	250.46	249.95	249.73	249.58	249.48	249.45	249.41	
19	249.47	249.58	249.73	250.27	250.48	250.32	249.94	249.71	249.58	249.49	249.46	249.44	
20	249.43	249.50	249.74	250.31	250.34	250.22	249.90	249.71	249.57	249.48	249.45	249.42	
21	249.63	249.63	249.71	250.50	251.47	250.26	249.88	249.71	249.56	249.48	249.45	249.40	
22	249.57	249.93	249.67	250.48	251.36	250.17	249.82	249.70	249.56	249.48	249.44	249.39	
23	249.46	249.87	249.61	250.80	250.90	250.50	249.80	249.69	249.56	249.48	249.44	249.39	
24	249.43	249.74	249.59	250.58	250.63	250.55	249.81	249.68	249.57	249.48	249.44	249.38	
25	249.42	249.66	249.61	250.27	250.59	250.25	249.81	249.67	249.57	249.48	249.43	249.38	
26	249.43	249.59	249.60	250.13	250.45	250.59	249.80	249.71	249.57	249.48	249.43	249.38	
27	249.45	249.57	249.59	250.05	250.41	250.46	249.87	249.70	249.56	249.47	249.43	249.38	
28	249.43	249.54	249.65	249.98	250.30	250.27	249.90	249.69	249.55	249.47	249.43	249.38	
29	249.41	249.54	249.60	249.94	250.21	250.17	249.81	249.69	249.55	249.47		249.38	
30	249.40	249.55	250.12	249.97	250.13	250.15	249.79	249.67	249.55	249.47		249.37	
31		249.54		250.43	250.10		249.79		249.55	249.46		249.37	
Mean	249.41	249.65	249.71	250.31	250.76	250.31	250.05	249.72	249.59	249.50	249.45	249.41	
Max	249.63	250.38	251.48	251.54	252.95	250.74	250.50	249.85	249.67	249.54	249.46	249.44	252.95
Min	249.34	249.43	249.46	249.84	249.81	249.98	249.79	249.67	249.55	249.46	249.43	249.37	249.34
Annual Max Momentary Gage Height	253.91		m. (MSL.) ,			at 16.00 Hours ,	on Aug 12, 2022						
Zero Gage at Bottom Elevation	248.89		m. (MSL.) ,			River Bed	249.00	m. (MSL.)					
Left Bank Elevation		256.70		m. (MSL.) ,									
Right Bank Elevation		256.70		m. (MSL.) ,		Drainage Are	620	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.68	6.24	5.80	25.58	19.05	19.40	31.00	9.28	7.34	4.60	3.16	2.68	
2	2.36	6.24	5.20	29.00	17.65	17.65	33.84	9.60	7.12	4.60	3.16	2.84	
3	2.20	6.02	4.80	85.50	17.30	17.65	31.80	10.56	6.68	4.60	3.16	2.84	
4	2.36	3.64	4.40	59.05	12.52	19.05	30.60	9.92	6.46	4.60	3.00	2.84	
5	2.08	3.00	4.00	28.62	11.53	26.72	29.40	9.60	6.24	4.40	3.00	2.84	
6	1.96	2.68	4.00	21.50	27.48	28.24	29.00	9.60	6.24	4.40	3.00	2.68	
7	1.84	2.84	3.80	18.35	29.00	19.40	25.96	9.28	6.02	4.40	3.00	2.52	
8	1.84	3.48	3.48	14.50	115.28	17.30	22.98	8.96	6.02	4.40	3.00	2.52	
9	1.96	3.16	3.48	12.52	75.50	20.45	21.87	8.96	5.80	4.20	3.00	2.52	
10	1.96	4.20	3.32	15.20	73.00	27.48	37.20	8.96	5.80	4.20	3.00	2.52	
11	1.84	10.88	3.32	19.40	48.70	46.90	31.80	8.64	5.60	3.80	2.84	2.36	
12	1.72	32.20	3.16	30.60	161.68	39.78	24.09	8.64	5.80	3.80	2.84	2.36	
13	1.72	14.17	3.16	31.80	126.60	47.80	22.61	8.32	5.80	4.20	2.84	2.36	
14	1.72	11.20	3.32	46.90	68.50	33.42	20.10	7.78	5.60	4.00	3.00	2.36	
15	1.60	6.90	82.50	51.85	71.50	39.35	18.00	8.00	5.60	3.80	3.00	2.68	
16	1.60	7.56	43.30	32.60	66.25	42.40	17.65	12.85	5.40	3.64	3.00	2.52	
17	1.48	11.20	15.55	23.72	53.65	36.78	16.95	11.86	5.40	3.48	3.00	2.52	
18	1.60	7.56	13.18	18.70	41.50	35.52	16.25	8.96	5.40	3.48	3.00	2.36	
19	3.32	5.40	8.96	27.86	36.36	29.80	15.90	8.32	5.40	3.64	3.16	2.84	
20	2.68	3.80	9.28	29.40	30.60	25.96	14.50	8.32	5.20	3.48	3.00	2.52	
21	6.46	6.46	8.32	37.20	82.00	27.48	13.84	8.32	5.00	3.48	3.00	2.20	
22	5.20	15.55	7.34	36.36	76.50	24.09	11.86	8.00	5.00	3.48	2.84	2.08	
23	3.16	13.51	6.02	50.50	55.00	37.20	11.20	7.78	5.00	3.48	2.84	2.08	
24	2.68	9.28	5.60	40.64	42.85	39.35	11.53	7.56	5.20	3.48	2.84	1.96	
25	2.52	7.12	6.02	27.86	41.07	27.10	11.53	7.34	5.20	3.48	2.68	1.96	
26	2.68	5.60	5.80	22.61	35.10	41.07	11.20	8.32	5.20	3.48	2.68	1.96	
27	3.00	5.20	5.60	19.75	33.42	35.52	13.51	8.00	5.00	3.32	2.68	1.96	
28	2.68	4.60	6.90	17.30	29.00	27.86	14.50	7.78	4.80	3.32	2.68	1.96	
29	2.36	4.60	5.80	15.90	25.58	24.09	11.53	7.78	4.80	3.32		1.96	
30	2.20	4.80	22.24	16.95	22.61	23.35	10.88	7.34	4.80	3.32		1.84	
31		4.60		34.26	21.50		10.88		4.80	3.16		1.84	
Total	73.46	233.69	307.65	941.98	1568.28	898.16	623.96	264.63	173.72	119.04	82.40	73.48	5360.45 CMSDAY
Mean	2.45	7.54	10.26	30.39	50.59	29.94	20.13	8.82	5.60	3.84	2.94	2.37	14.69 CMS
Max	6.46	32.20	82.50	85.50	161.68	47.80	37.20	12.85	7.34	4.60	3.16	2.84	161.68 CMS
Min	1.48	2.68	3.16	12.52	11.53	17.30	10.88	7.34	4.80	3.16	2.68	1.84	1.48 CMS
Runoff	6.35	20.19	26.58	81.39	135.50	77.60	53.91	22.86	15.01	10.29	7.12	6.35	463.14 MCM
Momentary Peak	217.10 CMS. at 253.91 m. (MSL.) at 16.00 Hours , on Aug 12, 2022												
Runoff Yield	23.69	Liters/Second/Square KM.			Momentary Peak Yield			350.16	Liters/Second/Square KM.				

WATER YEAR : 2022**NAN RIVER BASIN****Huai Om Sing at Ban Noen Phoem , Phitsanulok (N.66)**

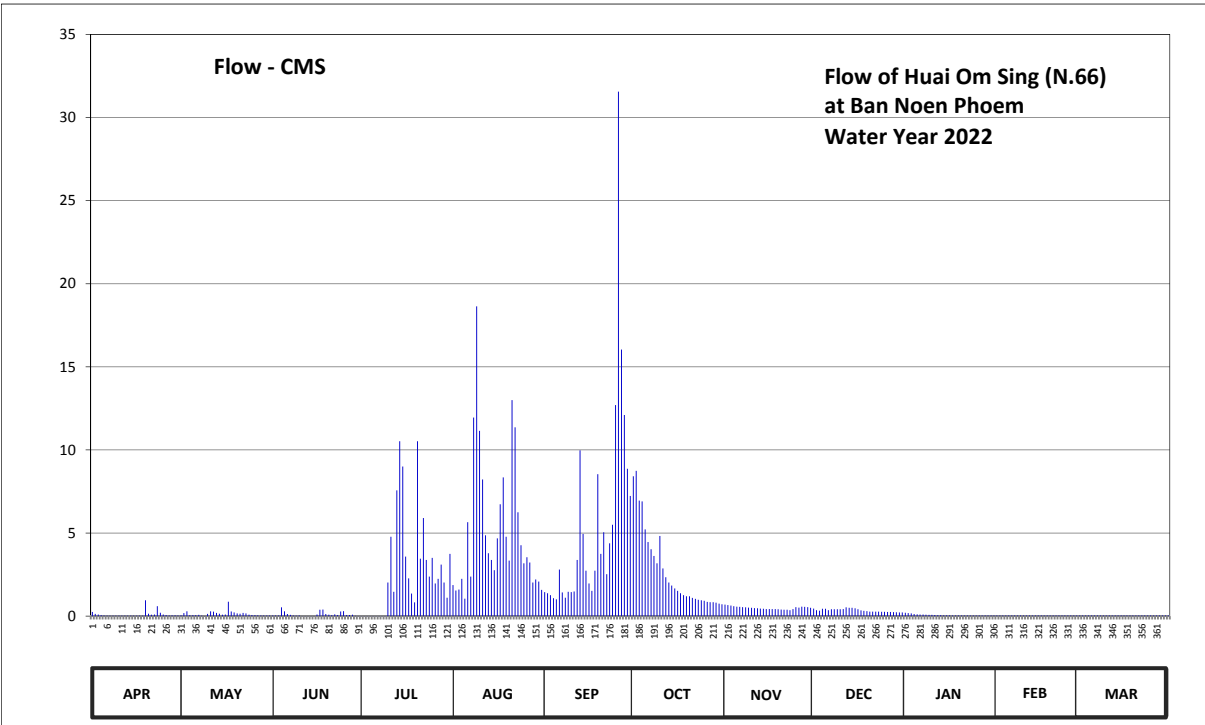
Lat 17 - 07 - 25 N Long 100 - 53 - 40 E

Location : on right bank at Ban Om Sing.

	Ban	Noen Phoem	Amphoe	Nakhon Thai	Changwat	Phitsanulok
Drainage Area	152	sq.km.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+201.220	m. (MSL.)				
Bench Mark	B.M.-	H.D.				
Location BM	On right bank about 8 meters from the top staff gage.				Elevation	+208.617 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1995 to date					
Rating Operation						
Period of Rating	1996 to date					
Rated by Float	-					
Rated by Current Meter	1996 to date					
Stability of Channel Regimes	Rather unstable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 19 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	203.15	202.90	202.87	202.82	204.09	203.92	205.54	203.46	203.30	203.10	202.87	202.87	
2	203.03	203.08	202.87	202.82	203.97	203.89	205.59	203.44	203.24	203.08	202.87	202.87	
3	202.99	203.19	202.87	202.82	204.00	203.83	205.30	203.42	203.22	203.06	202.87	202.87	
4	202.92	202.92	203.35	202.82	204.21	203.72	205.29	203.40	203.29	203.02	202.87	202.87	
5	202.87	202.92	203.19	202.82	203.70	203.67	204.96	203.38	203.29	203.01	202.87	202.87	
6	202.86	202.92	203.02	202.82	205.05	204.37	204.79	203.37	203.24	203.00	202.87	202.87	
7	202.85	202.95	202.95	202.82	204.25	203.91	204.68	203.36	203.27	202.99	202.87	202.87	
8	202.85	202.86	202.88	202.82	206.06	203.74	204.58	203.35	203.27	202.97	202.87	202.87	
9	202.85	202.82	202.85	202.82	206.76	203.93	204.47	203.34	203.27	202.96	202.87	202.87	
10	202.85	203.03	202.87	204.14	205.95	203.92	204.87	203.33	203.27	202.95	202.87	202.87	
11	202.85	203.19	202.82	204.86	205.51	203.94	204.39	203.32	203.28	202.93	202.87	202.87	
12	202.85	203.17	202.82	203.93	204.88	204.52	204.24	203.31	203.35	202.92	202.87	202.87	
13	202.85	203.09	202.82	205.41	204.62	205.78	204.14	203.30	203.33	202.91	202.87	202.87	
14	202.85	203.04	202.82	205.86	204.52	204.90	204.08	203.29	203.33	202.90	202.87	202.87	
15	202.85	202.97	202.82	205.63	204.36	204.35	204.02	203.28	203.31	202.90	202.87	202.87	
16	202.85	202.99	202.99	204.57	204.84	204.12	203.96	203.28	203.27	202.90	202.87	202.87	
17	202.85	203.58	203.25	204.22	205.26	203.96	203.89	203.28	203.23	202.88	202.87	202.87	
18	202.85	203.18	203.26	203.88	205.53	204.35	203.83	203.28	203.21	202.88	202.87	202.87	
19	203.63	203.12	203.02	203.55	204.86	205.56	203.79	203.27	203.20	202.88	202.87	202.87	
20	203.04	203.06	202.97	205.86	204.51	204.61	203.79	203.26	203.17	202.88	202.87	202.87	
21	202.98	203.04	202.92	204.54	206.20	204.92	203.73	203.25	203.17	202.87	202.87	202.87	
22	203.00	203.09	203.01	205.10	205.98	204.29	203.69	203.25	203.17	202.87	202.87	202.87	
23	203.40	203.06	202.94	204.52	205.17	204.77	203.65	203.24	203.17	202.87	202.87	202.87	
24	203.10	202.97	203.18	204.25	204.74	205.02	203.63	203.28	203.16	202.87	202.87	202.87	
25	202.99	202.93	203.20	204.55	204.47	206.16	203.61	203.36	203.16	202.87	202.87	202.87	
26	202.93	202.91	202.94	204.12	204.56	207.57	203.57	203.34	203.15	202.87	202.87	202.87	
27	202.87	202.90	202.93	204.21	204.48	206.52	203.56	203.38	203.15	202.87	202.87	202.87	
28	202.89	202.88	202.97	204.45	204.14	206.08	203.56	203.37	203.14	202.87	202.87	202.87	
29	202.90	202.88	202.84	204.14	204.20	205.61	203.54	203.36	203.13	202.87		202.87	
30	202.88	202.87	202.82	203.74	204.16	205.35	203.50	203.33	203.12	202.87		202.87	
31		202.87		204.61	203.99		203.47		203.12	202.87		202.87	
Mean	202.95	203.01	202.97	204.05	204.81	204.71	204.18	203.33	203.23	202.93	202.87	202.87	
Max	203.63	203.58	203.35	205.86	206.76	207.57	205.59	203.46	203.35	203.10	202.87	202.87	207.57
Min	202.85	202.82	202.82	202.82	203.70	203.67	203.47	203.24	203.12	202.87	202.87	202.87	202.82
Annual Max Momentary Gage Height	207.57		m. (MSL.) ,			at 06.00 Hours ,	on Sep 26, 2022						
Zero Gage at Bottom Elevation	201.22		m. (MSL.) ,			River Bed	202.19	m. (MSL.)					
Left Bank Elevation	208.56		m. (MSL.) ,										
Right Bank Elevation	208.39		m. (MSL.) ,			Drainage Are	152	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.25	0.05	0.04	0.01	1.87	1.44	8.41	0.69	0.45	0.20	0.04	0.04	
2	0.13	0.18	0.04	0.01	1.54	1.38	8.74	0.66	0.36	0.18	0.04	0.04	
3	0.10	0.29	0.04	0.01	1.60	1.26	6.95	0.63	0.33	0.16	0.04	0.04	
4	0.06	0.06	0.53	0.01	2.24	1.08	6.90	0.60	0.44	0.12	0.04	0.04	
5	0.04	0.06	0.29	0.01	1.05	1.01	5.22	0.57	0.44	0.11	0.04	0.04	
6	0.03	0.06	0.12	0.01	5.65	2.80	4.46	0.56	0.36	0.10	0.04	0.04	
7	0.03	0.08	0.08	0.01	2.38	1.42	4.02	0.54	0.41	0.10	0.04	0.04	
8	0.03	0.03	0.04	0.01	11.95	1.11	3.62	0.53	0.41	0.09	0.04	0.04	
9	0.03	0.01	0.03	0.01	18.64	1.46	3.18	0.51	0.41	0.08	0.04	0.04	
10	0.03	0.13	0.04	2.02	11.15	1.44	4.82	0.50	0.41	0.08	0.04	0.04	
11	0.03	0.29	0.01	4.77	8.22	1.48	2.87	0.48	0.42	0.07	0.04	0.04	
12	0.03	0.27	0.01	1.46	4.86	3.38	2.34	0.47	0.53	0.06	0.04	0.04	
13	0.03	0.19	0.01	7.57	3.78	9.97	2.02	0.45	0.50	0.06	0.04	0.04	
14	0.03	0.14	0.01	10.52	3.38	4.95	1.84	0.44	0.50	0.05	0.04	0.04	
15	0.03	0.09	0.01	9.00	2.76	2.73	1.66	0.42	0.47	0.05	0.04	0.04	
16	0.03	0.10	0.10	3.58	4.68	1.96	1.52	0.42	0.41	0.05	0.04	0.04	
17	0.03	0.87	0.38	2.27	6.73	1.52	1.38	0.42	0.35	0.04	0.04	0.04	
18	0.03	0.28	0.39	1.36	8.35	2.73	1.26	0.42	0.32	0.04	0.04	0.04	
19	0.95	0.22	0.12	0.83	4.77	8.54	1.19	0.41	0.30	0.04	0.04	0.04	
20	0.14	0.16	0.09	10.52	3.34	3.74	1.19	0.39	0.27	0.04	0.04	0.04	
21	0.09	0.14	0.06	3.46	13.00	5.04	1.10	0.38	0.27	0.04	0.04	0.04	
22	0.10	0.19	0.11	5.90	11.36	2.52	1.04	0.38	0.27	0.04	0.04	0.04	
23	0.60	0.16	0.07	3.38	6.25	4.38	0.98	0.36	0.27	0.04	0.04	0.04	
24	0.20	0.09	0.28	2.38	4.26	5.50	0.95	0.42	0.26	0.04	0.04	0.04	
25	0.10	0.07	0.30	3.50	3.18	12.70	0.92	0.54	0.26	0.04	0.04	0.04	
26	0.07	0.06	0.07	1.96	3.54	31.56	0.86	0.51	0.25	0.04	0.04	0.04	
27	0.04	0.05	0.07	2.24	3.22	16.04	0.84	0.57	0.25	0.04	0.04	0.04	
28	0.05	0.04	0.09	3.10	2.02	12.10	0.84	0.56	0.24	0.04	0.04	0.04	
29	0.05	0.04	0.02	2.02	2.20	8.87	0.81	0.54	0.23	0.04	0.04	0.04	
30	0.04	0.04	0.01	1.11	2.08	7.23	0.75	0.50	0.22	0.04	0.04	0.04	
31		0.04		3.74	1.58		0.71		0.22	0.04	0.04	0.04	
Total	3.40	4.48	3.46	86.78	161.63	161.34	83.39	14.87	10.83	2.16	1.12	1.24	534.70
Mean	0.11	0.14	0.12	2.80	5.21	5.38	2.69	0.50	0.35	0.07	0.04	0.04	1.46 CMS
Max	0.95	0.87	0.53	10.52	18.64	31.56	8.74	0.69	0.53	0.20	0.04	0.04	31.56 CMS
Min	0.03	0.01	0.01	0.01	1.05	1.01	0.71	0.36	0.22	0.04	0.04	0.04	0.01 CMS
Runoff	0.29	0.39	0.30	7.50	13.96	13.94	7.20	1.28	0.94	0.19	0.10	0.11	46.20 MCM
Momentary Peak	CMS. at 207.57 m. (MSL.) at 06.00 Hours , on Sep 26, 2022												
Runoff Yield	9.64				Momentary Peak Yield			207.63	Liters/Second/Square KM.				

WATER YEAR : 2022

NAN RIVER BASIN

Nan River at Ban Koei Chai, Nakhon Sawan (N.67)

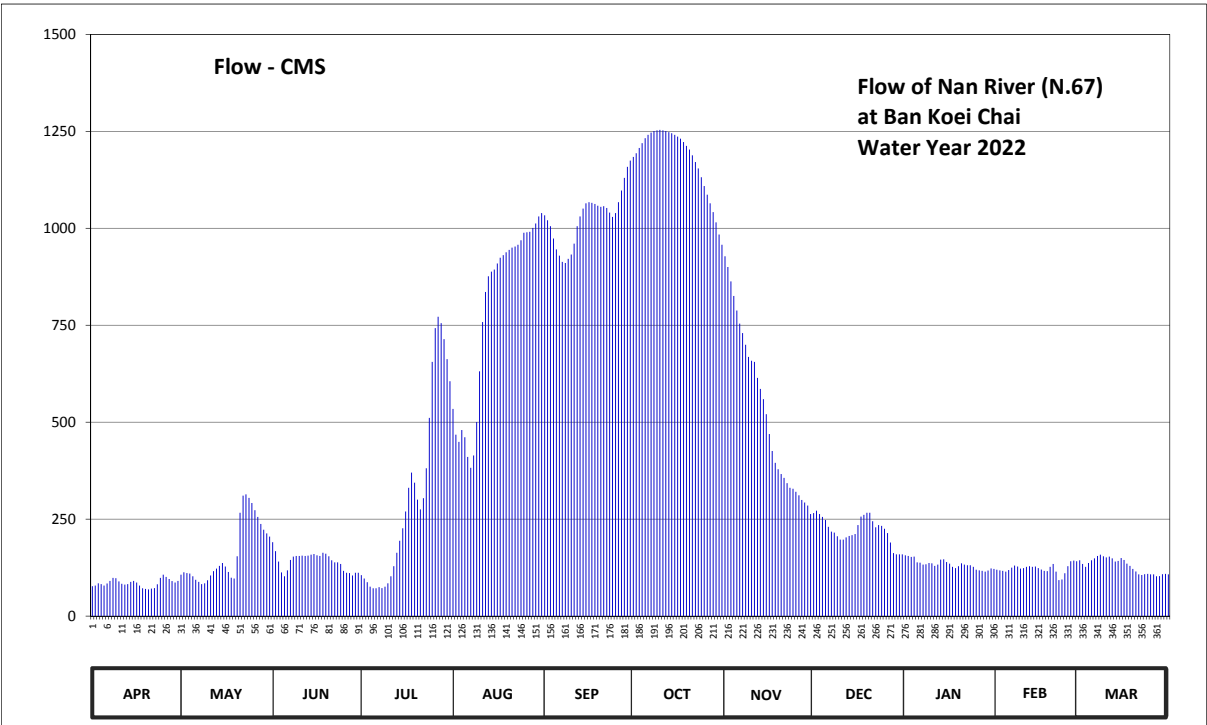
Lat 15 - 52 - 08 N Long 100 - 15 - 52 E

Location : on right bank at the bridge near Wat Koei Chai Nua

	Ban Koei Chai	Amphoe Chum Saeng	Changwat Nakhon Sawan
Drainge Area	57,007 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank near the gage observe's house	Elevation	+27.470 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1997 to date		
Rating Operation			
Period of Rating	1997 to date		
Rated by Float	-		
Rated by Current Meter	1997 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Flow effected by Mae Yom side flow. Stage-discharge relation defined by 46 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	18.45	18.88	19.88	18.86	22.80	26.33	27.38	25.60	20.64	19.52	19.06	19.37	
2	18.47	18.97	19.64	18.74	22.31	26.24	27.45	25.39	20.70	19.50	19.04	19.26	
3	18.56	18.94	19.33	18.60	22.17	26.13	27.55	25.12	20.62	19.47	19.02	19.17	
4	18.53	18.92	18.96	18.43	22.40	25.91	27.64	24.87	20.55	19.48	18.99	19.29	
5	18.47	18.82	18.82	18.36	22.26	25.72	27.73	24.60	20.48	19.31	19.05	19.37	
6	18.55	18.69	19.04	18.36	21.87	25.61	27.79	24.35	20.30	19.30	19.14	19.43	
7	18.65	18.61	19.38	18.41	21.65	25.49	27.83	24.18	20.17	19.24	19.21	19.50	
8	18.76	18.53	19.48	18.37	21.90	25.47	27.86	23.97	20.14	19.25	19.18	19.54	
9	18.75	18.56	19.50	18.43	22.55	25.55	27.87	23.75	20.04	19.29	19.10	19.49	
10	18.63	18.67	19.50	18.56	23.49	25.63	27.88	23.68	19.95	19.28	19.12	19.46	
11	18.54	18.85	19.51	18.82	24.38	25.82	27.87	23.66	19.95	19.20	19.17	19.48	
12	18.51	19.01	19.50	19.19	24.94	26.13	27.86	23.37	20.01	19.24	19.19	19.43	
13	18.53	19.10	19.51	19.60	25.21	26.31	27.84	23.17	20.05	19.39	19.17	19.33	
14	18.61	19.20	19.54	19.92	25.30	26.45	27.82	22.98	20.07	19.40	19.18	19.35	
15	18.65	19.29	19.56	20.26	25.34	26.54	27.79	22.70	20.10	19.32	19.12	19.44	
16	18.59	19.18	19.52	20.68	25.46	26.56	27.76	22.32	20.35	19.27	19.07	19.38	
17	18.47	18.98	19.50	21.23	25.57	26.55	27.72	21.99	20.56	19.17	19.02	19.27	
18	18.36	18.77	19.60	21.55	25.62	26.53	27.66	21.75	20.60	19.12	19.01	19.20	
19	18.33	18.74	19.57	21.34	25.67	26.50	27.59	21.62	20.65	19.19	19.17	19.09	
20	18.31	19.49	19.49	20.96	25.71	26.48	27.52	21.52	20.65	19.28	19.26	19.00	
21	18.35	20.65	19.37	20.73	25.75	26.49	27.41	21.44	20.45	19.24	18.99	18.89	
22	18.37	21.05	19.31	20.99	25.77	26.46	27.28	21.33	20.29	19.22	18.68	18.87	
23	18.52	21.08	19.31	21.64	25.80	26.38	27.16	21.23	20.35	19.22	18.70	18.90	
24	18.76	21.00	19.26	22.63	25.88	26.30	27.00	21.21	20.33	19.17	18.93	18.91	
25	18.88	20.88	19.02	23.66	26.01	26.37	26.84	21.14	20.25	19.06	19.19	18.89	
26	18.80	20.71	18.95	24.27	26.02	26.56	26.69	21.06	20.13	19.04	19.34	18.89	
27	18.72	20.55	18.94	24.48	26.03	26.76	26.54	20.95	19.87	19.02	19.36	18.82	
28	18.64	20.38	18.85	24.36	26.10	26.99	26.39	20.89	19.59	18.99	19.34	18.83	
29	18.59	20.22	18.95	24.07	26.18	27.19	26.20	20.82	19.55	19.03		18.90	
30	18.65	20.12	18.95	23.71	26.31	27.31	25.98	20.62	19.55	19.11		18.91	
31		20.03		23.31	26.37		25.80		19.55	19.09		18.89	
Mean	18.57	19.51	19.32	20.73	24.61	26.29	27.35	22.71	20.21	19.24	19.10	19.18	
Max	18.88	21.08	19.88	24.48	26.37	27.31	27.88	25.60	20.70	19.52	19.36	19.54	27.88
Min	18.31	18.53	18.82	18.36	21.65	25.47	25.80	20.62	19.55	18.99	18.68	18.82	18.31
Annual Max Momentary Gage Height	27.88		m. (MSL.) ,			at 02.00 Hours , on Oct 10, 2022							
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	12.30	m. (MSL.)					
Left Bank Elevation		28.92	m. (MSL.) ,										
Right Bank Elevation		28.21	m. (MSL.) ,			Drainage Are	57,007	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	77.21	106.83	190.56	105.42	534.40	1033.53	1184.25	928.00	265.50	156.72	119.50	143.90		
2	78.58	113.17	167.42	97.09	468.05	1020.84	1193.68	900.18	272.03	155.01	118.10	134.49		
3	84.75	111.06	140.48	87.49	449.47	1005.33	1207.15	863.00	263.33	152.45	116.69	127.25		
4	82.69	109.65	112.46	75.84	480.00	973.73	1219.60	825.50	255.71	153.30	114.58	137.06		
5	78.58	102.61	102.61	71.57	461.42	945.70	1232.45	788.18	248.10	138.77	118.80	143.90		
6	84.06	93.66	118.10	71.57	410.41	929.48	1241.01	754.18	230.08	137.91	125.14	149.03		
7	90.92	88.18	144.75	74.47	382.49	913.43	1246.72	729.81	217.97	132.78	130.22	155.01		
8	98.46	82.69	153.30	72.12	414.21	910.78	1251.01	699.73	215.18	133.64	127.95	158.43		
9	97.77	84.75	155.01	75.84	500.40	921.38	1252.43	668.38	205.86	137.06	122.32	154.16		
10	89.55	92.29	155.01	84.75	631.33	932.43	1253.86	658.40	197.31	136.20	123.73	151.59		
11	83.38	104.72	155.87	102.61	758.48	960.45	1252.43	655.55	197.31	129.36	127.25	153.30		
12	81.32	115.98	155.01	128.66	836.00	1005.33	1251.01	614.23	203.06	132.78	128.66	149.03		
13	82.69	122.32	155.87	163.56	876.33	1030.71	1248.15	585.83	206.79	145.61	127.25	140.48		
14	88.18	129.36	158.43	194.42	888.25	1050.89	1245.30	559.42	208.65	146.46	127.95	142.19		
15	90.92	137.06	160.14	226.36	893.55	1064.37	1241.01	520.80	211.45	139.62	123.73	149.88		
16	86.81	127.95	156.72	269.85	909.45	1067.36	1236.73	469.38	234.74	135.35	120.21	144.75		
17	78.58	113.87	155.01	330.69	924.03	1065.87	1231.02	425.63	256.80	127.25	116.69	135.35		
18	71.57	99.14	163.56	370.01	930.95	1062.87	1222.46	395.18	261.15	123.73	115.98	129.36		
19	69.91	97.09	161.00	344.20	938.33	1058.38	1212.54	378.69	266.59	128.66	127.25	121.62		
20	68.80	154.16	154.16	300.54	944.23	1055.38	1203.11	366.32	266.59	136.20	134.49	115.28		
21	71.02	266.59	143.90	275.29	950.13	1056.88	1188.29	356.49	244.84	132.78	114.58	107.54		
22	72.12	310.46	138.77	303.85	953.08	1052.39	1170.78	342.97	229.15	131.07	92.97	106.13		
23	82.01	313.77	138.77	381.23	957.50	1040.58	1154.33	330.69	234.74	131.07	94.35	108.24		
24	98.46	304.95	134.49	511.28	969.30	1029.30	1131.66	328.23	232.88	127.25	110.35	108.94		
25	106.83	291.72	116.69	655.55	988.41	1039.17	1108.98	320.39	225.42	119.50	128.66	107.54		
26	101.20	273.11	111.76	742.71	989.82	1067.36	1086.84	311.57	214.24	118.10	141.33	107.54		
27	95.72	255.71	111.06	772.08	991.23	1097.32	1064.37	299.44	189.60	116.69	143.04	102.61		
28	90.23	237.54	104.72	755.62	1001.10	1130.24	1041.99	292.82	162.71	114.58	141.33	103.31		
29	86.81	222.63	111.76	714.04	1012.38	1158.58	1015.20	285.11	159.29	117.39		108.24		
30	90.92	213.31	111.76	662.68	1030.71	1174.82	984.05	263.33	159.29	123.02		108.94		
31		204.93		605.68	1039.17		957.50		159.29	121.62		107.54		
Total	2560.05	5081.26	4239.15	9627.07	24514.61	30854.88	36529.91	15917.43	6895.65	4131.93	3433.10	4012.63	147797.67	CMSDAY
Mean	85.33	163.91	141.30	310.55	790.79	1028.50	1178.38	530.58	222.44	133.29	122.61	129.44	404.93	CMS
Max	106.83	313.77	190.56	772.08	1039.17	1174.82	1253.86	928.00	272.03	156.72	143.04	158.43	1253.86	CMS
Min	68.80	82.69	102.61	71.57	382.49	910.78	957.50	263.33	159.29	114.58	92.97	102.61	68.80	CMS
Runoff	221.19	439.02	366.26	831.78	2118.06	2665.86	3156.18	1375.27	595.78	357.00	296.62	346.69	12769.72	MCM
Momentary Peak	1253.86 CMS. at 27.88 m. (MSL.) at 02.00 Hours , on Oct 10, 2022													
Runoff Yield	7.10	Liters/Second/Square KM.			Momentary Peak Yield			21.99	Liters/Second/Square KM.					

WATER YEAR : 2022**NAN RIVER BASIN****Khlong Tron at Ban Wang Pla Kod , Uttaradit (N.72)**

Lat 17 - 27 - 32 N Long 100 - 16 - 25 E

Location : on right bank at Ban Wang Pla Kod.

	Ban	Wang Pla Kod	Amphoe	Thong Saen Khan	Changwat	Uttaradit
Drainge Area	980	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+60.891	m. (MSL.)				
Bench Mark	B.M.- H.D.					
Location BM	On right bank near the gage site.				Elevation	+69.454 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	2005 to date					
Rating Operation						
Period of Rating	2005 to date					
Rated by Flot	-					
Rated by Current Meter	2005 to date					
Stability of Channel Regimes	Fairly stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 17 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	62.49	63.08	62.29	62.17	65.11	63.49	64.68	62.99	62.97	62.49	62.65	62.49	
2	62.39	62.69	62.29	62.14	63.52	64.68	66.80	62.99	62.97	62.49	62.53	62.49	
3	62.39	62.51	62.29	62.09	63.00	63.74	68.43	62.99	62.97	62.50	62.39	62.49	
4	62.34	62.39	62.29	62.06	62.41	63.32	65.95	62.99	62.96	62.51	62.28	62.48	
5	62.29	62.31	62.27	61.99	62.09	63.19	65.31	62.99	62.96	62.51	62.19	62.39	
6	62.29	62.19	62.27	61.99	62.44	63.16	64.59	62.99	62.96	62.52	62.19	62.39	
7	62.29	62.70	62.27	61.99	62.77	63.09	64.12	62.99	62.96	62.52	62.19	62.33	
8	62.29	62.91	62.24	61.99	64.44	63.09	64.43	62.99	62.95	62.53	62.19	62.33	
9	62.29	62.69	62.24	62.07	66.19	63.54	64.39	62.99	62.95	62.53	62.19	62.37	
10	62.29	63.02	62.24	62.09	65.60	63.39	64.23	62.99	62.95	62.54	62.17	62.37	
11	62.27	62.69	62.24	62.15	63.25	63.56	63.71	62.99	62.94	62.54	62.17	62.29	
12	62.27	62.68	62.24	61.99	63.56	64.11	63.49	62.98	62.94	62.54	62.17	62.29	
13	62.27	62.49	62.24	61.99	64.50	64.19	63.37	62.97	62.94	62.55	62.17	62.29	
14	62.27	62.67	62.24	61.99	63.82	63.61	63.32	62.94	62.93	62.56	62.17	62.29	
15	62.27	62.59	62.24	62.03	63.29	63.42	63.27	62.92	62.93	62.56	62.17	62.27	
16	62.27	62.54	62.24	62.19	63.55	63.24	63.22	62.89	62.93	62.56	62.17	62.27	
17	62.24	63.10	62.19	62.65	63.49	63.19	63.17	62.90	62.92	62.56	62.17	62.27	
18	62.24	64.65	62.19	62.49	64.49	63.09	63.12	62.90	62.92	62.57	62.17	62.24	
19	62.24	63.54	62.19	62.43	63.98	63.61	63.07	62.90	62.91	62.57	62.17	62.24	
20	62.24	63.29	62.19	62.46	63.64	62.99	63.02	62.90	62.90	62.58	62.17	62.24	
21	62.43	62.81	62.19	63.47	63.69	62.99	62.98	62.94	62.89	62.62	62.49	62.24	
22	62.54	62.69	62.20	64.61	66.30	62.99	62.96	62.95	62.89	62.75	62.49	62.19	
23	62.64	62.65	62.20	63.59	65.74	62.99	62.94	62.96	62.89	62.81	62.49	62.19	
24	62.69	62.59	62.21	62.84	63.74	62.99	62.93	62.98	62.89	62.84	62.49	62.19	
25	62.69	62.52	62.21	62.64	63.42	63.15	62.93	62.96	62.89	62.89	62.49	62.19	
26	62.57	62.49	62.22	62.49	63.47	63.59	62.92	62.98	62.89	62.93	62.49	62.19	
27	62.54	62.49	62.23	62.49	65.22	64.51	62.91	63.17	62.89	62.93	62.49	62.19	
28	62.52	62.49	62.24	62.43	64.76	63.61	62.90	63.12	62.89	62.93	62.49	62.19	
29	62.63	62.43	62.24	62.39	63.63	63.49	62.90	63.07	62.89	62.92		62.19	
30	62.74	62.39	62.24	62.84	64.26	63.85	62.89	63.03	62.89	62.92		62.19	
31		62.29		63.63	63.79		62.89		62.89	62.92		62.19	
Mean	62.40	62.73	62.24	62.46	63.97	63.46	63.80	62.98	62.92	62.65	62.31	62.29	
Max	62.74	64.65	62.29	64.61	66.30	64.68	68.43	63.17	62.97	62.93	62.65	62.49	68.43
Min	62.24	62.19	62.19	61.99	62.09	62.99	62.89	62.89	62.89	62.49	62.17	62.19	61.99
Annual Max Momentary Gage Height	68.69		m. (MSL.) ,			at 06.00 Hours ,	on Oct 3, 2022						
Zero Gage at Bottom Elevation	60.89		m. (MSL.) ,			River Bed	60.32	m. (MSL.)					
Left Bank Elevation	69.10		m. (MSL.) ,										
Right Bank Elevation	69.10		m. (MSL.) ,			Drainage Are	980	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	7.64	0.00	0.00	87.32	25.64	69.26	4.37	3.91	2.82	5.23	2.82	
2	0.00	0.23	0.00	0.00	26.58	69.26	158.30	4.37	3.91	2.82	3.36	2.82	
3	0.00	0.00	0.00	0.00	12.30	33.86	226.76	4.37	3.91	2.95	1.53	2.82	
4	0.00	0.00	0.00	0.00	1.74	20.60	122.60	4.37	3.68	3.09	0.76	2.68	
5	0.00	0.00	0.00	0.00	0.09	17.05	95.72	4.37	3.68	3.09	0.19	1.53	
6	0.00	0.00	0.00	0.00	2.14	16.30	65.50	4.37	3.68	3.22	0.19	1.53	
7	0.00	0.25	0.00	0.00	7.45	14.55	47.20	4.37	3.68	3.22	0.19	1.11	
8	0.00	2.53	0.00	0.00	59.50	14.55	59.10	4.37	3.45	3.36	0.19	1.11	
9	0.00	0.23	0.00	0.00	132.68	27.21	57.52	4.37	3.45	3.36	0.19	1.39	
10	0.00	5.36	0.00	0.00	107.90	22.53	51.36	4.37	3.45	3.49	0.17	1.39	
11	0.00	0.23	0.00	0.00	18.68	27.84	32.84	4.37	3.22	3.49	0.17	0.83	
12	0.00	0.20	0.00	0.00	27.84	46.83	25.64	4.14	3.22	3.49	0.17	0.83	
13	0.00	0.00	0.00	0.00	61.90	49.83	21.98	3.91	3.22	3.63	0.17	0.83	
14	0.00	0.18	0.00	0.00	36.58	29.44	20.60	3.22	2.99	3.76	0.17	0.83	
15	0.00	0.01	0.00	0.00	19.78	23.43	19.23	2.76	2.99	3.76	0.17	0.69	
16	0.00	3.49	0.00	0.00	27.53	18.40	17.85	2.15	2.99	3.76	0.17	0.69	
17	0.00	14.80	0.00	0.13	25.64	17.05	16.55	2.30	2.76	3.76	0.17	0.69	
18	0.00	68.00	0.00	0.00	61.50	14.55	15.30	2.30	2.76	3.90	0.17	0.48	
19	0.00	27.21	0.00	0.00	42.02	29.44	14.05	2.30	2.53	3.90	0.17	0.48	
20	0.00	19.78	0.00	0.00	30.46	12.09	12.80	2.30	2.30	4.03	0.17	0.48	
21	0.00	0.95	0.00	25.01	32.16	12.09	11.87	3.22	2.15	4.67	2.82	0.48	
22	0.00	0.23	0.00	66.32	137.30	12.09	11.44	3.45	2.15	7.08	2.82	0.19	
23	0.11	0.13	0.00	28.79	113.78	12.09	11.01	3.68	2.15	8.22	2.82	0.19	
24	0.23	0.01	0.00	8.86	33.86	12.09	10.80	4.14	2.15	8.86	2.82	0.19	
25	0.23	0.00	0.00	5.04	23.43	16.05	10.80	3.68	2.15	9.94	2.82	0.19	
26	0.01	0.00	0.00	2.82	25.01	28.79	10.58	4.14	2.15	10.80	2.82	0.19	
27	0.00	0.00	0.00	2.82	91.94	62.30	10.37	12.04	2.15	10.80	2.82	0.19	
28	0.00	0.00	0.00	2.01	72.62	29.44	10.15	9.44	2.15	10.80	2.82	0.19	
29	0.08	0.00	0.00	1.53	30.12	25.64	10.15	7.26	2.15	10.58		0.19	
30	0.47	0.00	0.00	8.86	52.51	37.60	2.15	5.74	2.15	10.58		0.19	
31		0.00		30.12	35.56		2.15		2.15	10.58		0.19	
Total	1.13	151.46	0.00	182.31	1437.92	778.63	1251.63	130.24	89.43	171.81	36.26	28.4	

WATER YEAR : 2022**NAN RIVER BASIN****Khek River at Ban Tan Tawan , Phetchabun (N.73)**

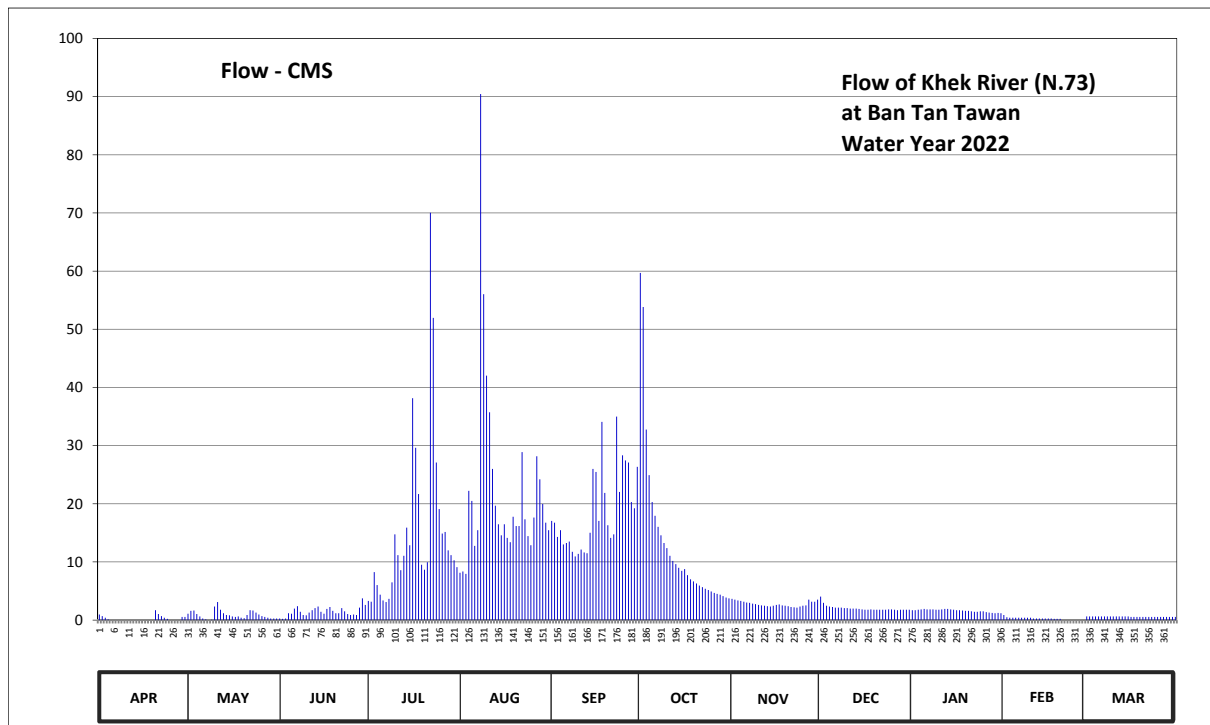
Lat 16 - 34 - 09 N Long 100 - 53 -30 E

Location : on right bank at Ban Tan Tawan.

	Ban Tan Tawan	Amphoe Khao Kho	Changwat Phetchabun
Drainage Area	224 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+684.529 m. (MSL.)		
Bench Mark	B.M.- H.D.		
Location BM	On right bank near the gage site.	Elevation	+694.038 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2002 to date		
Rating Operation			
Period of Rating	2002 to date		
Rated by Float	-		
Rated by Current Meter	2002 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 22 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	685.79	685.81	685.69	686.13	686.69	687.41	689.68	686.18	686.23	685.90	685.78	685.74	
2	685.75	685.88	685.68	686.11	686.71	687.39	689.42	686.16	686.08	685.90	685.72	685.74	
3	685.71	685.89	685.69	686.70	686.67	687.22	688.32	686.14	686.01	685.91	685.71	685.74	
4	685.67	685.80	685.82	686.47	687.74	687.30	687.89	686.13	685.99	685.92	685.71	685.74	
5	685.63	685.74	685.81	686.27	687.64	687.12	687.63	686.11	685.98	685.93	685.71	685.74	
6	685.61	685.69	685.94	686.14	687.10	687.14	687.47	686.09	685.96	685.92	685.71	685.74	
7	685.59	685.67	686.00	686.10	687.30	687.16	687.34	686.08	685.96	685.92	685.71	685.74	
8	685.58	685.65	685.86	686.18	690.84	687.02	687.24	686.06	685.96	685.92	685.71	685.74	
9	685.58	685.66	685.78	686.52	689.52	686.95	687.14	686.05	685.95	685.91	685.71	685.74	
10	685.58	685.99	685.77	687.25	688.82	686.99	687.07	686.03	685.95	685.91	685.71	685.74	
11	685.58	686.10	685.84	686.97	688.48	687.05	686.96	686.02	685.94	685.92	685.69	685.74	
12	685.58	685.91	685.90	686.73	687.95	687.01	686.88	686.01	685.94	685.93	685.69	685.74	
13	685.58	685.82	685.95	686.96	687.59	687.00	686.83	686.00	685.94	685.93	685.69	685.74	
14	685.57	685.78	685.99	687.33	687.37	687.27	686.77	685.99	685.93	685.92	685.69	685.74	
15	685.57	685.77	685.86	687.11	687.24	687.95	686.72	686.01	685.92	685.91	685.69	685.74	
16	685.57	685.74	685.81	688.61	687.37	687.92	686.75	686.03	685.91	685.90	685.69	685.73	
17	685.57	685.73	685.93	688.15	687.21	687.41	686.65	686.04	685.91	685.90	685.69	685.73	
18	685.57	685.74	685.98	687.71	687.15	688.39	686.58	686.02	685.92	685.89	685.68	685.73	
19	685.64	685.71	685.88	686.82	687.46	687.72	686.54	686.01	685.91	685.88	685.68	685.73	
20	685.90	685.70	685.82	686.74	687.35	687.36	686.50	686.00	685.91	685.88	685.68	685.73	
21	685.80	685.78	685.82	686.86	687.35	687.21	686.46	685.98	685.91	685.87	685.64	685.73	
22	685.75	685.90	685.95	690.12	688.11	687.25	686.43	685.97	685.91	685.86	685.64	685.73	
23	685.71	685.89	685.87	689.33	687.43	688.44	686.40	685.96	685.91	685.86	685.64	685.73	
24	685.68	685.84	685.80	688.01	687.23	687.73	686.37	685.99	685.92	685.87	685.63	685.73	
25	685.65	685.79	685.78	687.55	687.11	688.08	686.34	686.01	685.92	685.87	685.63	685.73	
26	685.63	685.75	685.79	687.26	687.45	688.03	686.31	686.02	685.91	685.85	685.63	685.73	
27	685.61	685.73	685.78	687.28	688.07	688.01	686.29	686.16	685.90	685.84	685.63	685.73	
28	685.61	685.71	685.96	687.04	687.85	687.63	686.27	686.11	685.91	685.83	685.63	685.73	
29	685.73	685.69	686.19	686.97	687.61	687.56	686.24	686.11	685.91	685.82		685.73	
30	685.73	685.69	686.03	686.89	687.39	687.97	686.21	686.16	685.91	685.83		685.73	
31		685.69		686.78	687.30		686.19		685.91	685.82		685.73	
Mean	685.65	685.78	685.87	687.13	687.65	687.49	686.96	686.05	685.95	685.89	685.68	685.73	
Max	685.90	686.10	686.19	690.12	690.84	688.44	689.68	686.18	686.23	685.93	685.78	685.74	690.84
Min	685.57	685.65	685.68	686.10	686.67	686.95	686.19	685.96	685.90	685.82	685.63	685.73	685.57
Annual Max Momentary Gage Height	692.96		m. (MSL.) ,			at 07.00 Hours ,	on Aug 8, 2022						
Zero Gage at Bottom Elevation		684.53	m. (MSL.) ,			River Bed	684.71	m. (MSL.)					
Left Bank Elevation		693.06	m. (MSL.) ,										
Right Bank Elevation		693.16	m. (MSL.) ,			Drainage Are	224	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.96	1.10	0.27	3.31	8.15	17.05	59.68	3.66	4.04	1.71	0.89	0.62	
2	0.69	1.58	0.21	3.17	8.36	16.76	53.84	3.52	2.96	1.71	0.48	0.62	
3	0.41	1.65	0.27	8.25	7.94	14.29	32.77	3.38	2.47	1.78	0.41	0.62	
4	0.14	1.03	1.17	6.03	22.22	15.45	24.92	3.31	2.33	1.85	0.41	0.62	
5	0.00	0.62	1.10	4.36	20.48	13.00	20.31	3.17	2.26	1.92	0.41	0.62	
6	0.00	0.27	1.99	3.38	12.75	13.25	17.92	3.03	2.13	1.85	0.41	0.62	
7	0.00	0.14	2.40	3.10	15.45	13.50	16.03	2.96	2.13	1.85	0.41	0.62	
8	0.00	0.00	1.44	3.66	90.44	11.75	14.58	2.82	2.13	1.85	0.41	0.62	
9	0.00	0.07	0.89	6.48	56.04	10.95	13.25	2.75	2.06	1.78	0.41	0.62	
10	0.00	2.33	0.82	14.73	42.02	11.39	12.38	2.61	2.06	1.78	0.41	0.62	
11	0.00	3.10	1.30	11.17	35.73	12.13	11.06	2.54	1.99	1.85	0.27	0.62	
12	0.00	1.78	1.71	8.57	26.00	11.63	10.18	2.47	1.99	1.92	0.27	0.62	
13	0.00	1.17	2.06	11.06	19.66	11.50	9.63	2.40	1.99	1.92	0.27	0.62	
14	0.00	0.89	2.33	15.89	16.47	15.02	8.99	2.33	1.92	1.85	0.27	0.62	
15	0.00	0.82	1.44	12.88	14.58	26.00	8.46	2.47	1.85	1.78	0.27	0.62	
16	0.00	0.62	1.10	38.14	16.47	25.46	8.78	2.61	1.78	1.71	0.27	0.55	
17	0.00	0.55	1.92	29.63	14.15	17.05	7.73	2.68	1.78	1.71	0.27	0.55	
18	0.00	0.62	2.26	21.68	13.38	34.07	7.02	2.54	1.85	1.65	0.21	0.55	
19	0.00	0.41	1.58	9.52	17.77	21.86	6.66	2.47	1.78	1.58	0.21	0.55	
20	1.71	0.34	1.17	8.67	16.18	16.32	6.30	2.40	1.78	1.58	0.21	0.55	
21	1.03	0.89	1.17	9.96	16.18	14.15	5.94	2.26	1.78	1.51	0.00	0.55	
22	0.69	1.71	2.06	70.04	28.89	14.73	5.67	2.19	1.78	1.44	0.00	0.55	
23	0.41	1.65	1.51	51.97	17.34	34.99	5.40	2.13	1.78	1.44	0.00	0.55	
24	0.21	1.30	1.03	27.08	14.44	22.04	5.16	2.33	1.85	1.51	0.00	0.55	
25	0.00	0.96	0.89	19.08	12.88	28.34	4.92	2.47	1.85	1.51	0.00	0.55	
26	0.00	0.69	0.96	14.87	17.63	27.44	4.68	2.54	1.78	1.37	0.00	0.55	
27	0.00	0.55	0.89	15.16	28.16	27.08	4.52	3.52	1.71	1.30	0.00	0.55	
28	0.00	0.41	2.13	12.00	24.20	20.31	4.36	3.17	1.78	1.23	0.00	0.55	
29	0.55	0.27	3.73	11.17	19.97	19.22	4.12	3.17	1.78	1.17		0.55	
30	0.55	0.27	2.61	10.29	16.76	26.36	3.88	3.52	1.78	1.23		0.55	
31		0.27		9.09	15.45		3.73		1.78	1.17		0.55	
Total	7.35	28.06	44.41	474.39	686.14	563.09	402.87	83.42	62.93	50.51	7.17	18.10	2428.44 CMSDAY
Mean	0.25	0.91	1.48	15.30	22.13	18.77	13.00	2.78	2.03	1.63	0.26	0.58	6.65 CMS
Max	1.71	3.10	3.73	70.04	90.44	34.99	59.68	3.66	4.04	1.92	0.89	0.62	90.44 CMS
Min	0.00	0.00	0.21	3.10	7.94	10.95	3.73	2.13	1.71	1.17	0.00	0.55	0.00 CMS
Runoff	0.64	2.42	3.84	40.99	59.28	48.65	34.81	7.21	5.44	4.36	0.62	1.56	209.82 MCM
Momentary Peak	224.06 CMS. at 692.96 m. (MSL.) at 07.00 Hours , on Aug 8, 2022												
Runoff Yield	29.70	Liters/Second/Square KM.		Momentary Peak Yield		1000.27	Liters/Second/Square KM.						

WATER YEAR : 2022**NAN RIVER BASIN****Nan River at Bang Krathum , Phitsanulok (N.74)**

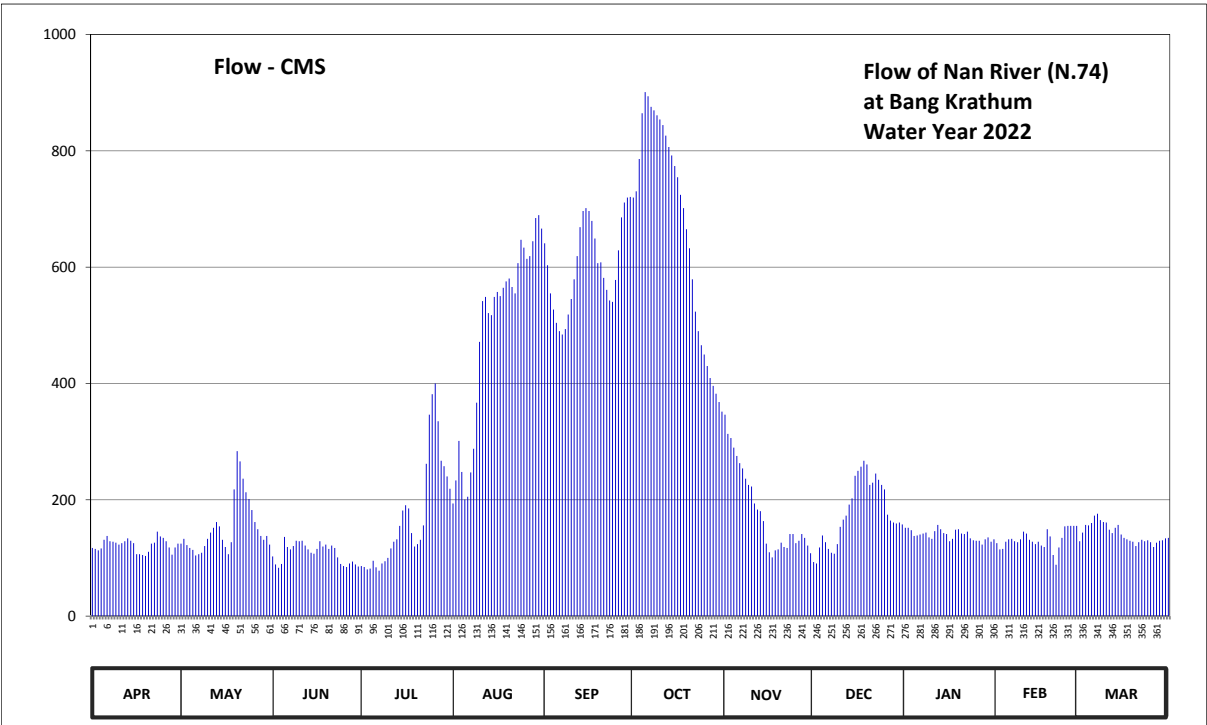
Lat 16 - 34 - 50 N Long 100 - 14 - 19 E

Location : on left bank at Bang Krathum.

	Ban	-	Amphoe	Bang Krathum	Changwat	Phitsanulok
Drainge Area	24,923	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+29.360	m. (MSL.)				
Bench Mark	B.M.- H.D.					
Location BM	On left bank near the gage site.				Elevation	+44.315 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	2001 to date					
Rating Operation						
Period of Rating	2001 to date					
Rated by Float	-					
Rated by Current Meter	2001 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 24 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	31.17	31.26	30.99	30.78	32.07	36.17	36.82	33.59	30.87	31.59	31.27	31.31	
2	31.15	31.36	30.82	30.76	32.48	35.86	36.91	33.27	30.84	31.59	31.14	31.49	
3	31.12	31.23	30.74	30.70	33.15	35.46	37.37	33.20	31.18	31.54	31.15	31.65	
4	31.16	31.17	30.83	30.72	32.63	35.23	38.02	33.04	31.43	31.42	31.30	31.64	
5	31.34	31.13	31.40	30.90	32.14	35.04	38.32	32.90	31.29	31.43	31.35	31.69	
6	31.42	31.01	31.19	30.75	32.19	34.92	38.26	32.78	31.15	31.45	31.36	31.84	
7	31.31	31.04	31.14	30.67	32.62	34.87	38.11	32.69	31.07	31.47	31.31	31.88	
8	31.30	31.07	31.21	30.84	33.02	34.95	38.06	32.51	31.05	31.49	31.29	31.75	
9	31.28	31.21	31.32	30.89	33.79	35.16	37.99	32.40	31.25	31.39	31.35	31.71	
10	31.24	31.36	31.31	30.96	34.76	35.38	37.93	32.37	31.61	31.36	31.51	31.70	
11	31.27	31.49	31.32	31.16	35.35	35.66	37.85	32.07	31.76	31.52	31.47	31.55	
12	31.31	31.59	31.22	31.30	35.41	35.99	37.70	31.96	31.84	31.65	31.34	31.48	
13	31.37	31.71	31.14	31.35	35.18	36.40	37.54	31.93	32.05	31.56	31.30	31.59	
14	31.32	31.62	31.07	31.63	35.15	36.63	37.42	31.73	32.16	31.48	31.25	31.65	
15	31.27	31.34	31.05	31.94	35.41	36.67	37.27	31.26	32.56	31.46	31.30	31.45	
16	31.04	31.19	31.15	32.04	35.48	36.63	37.11	31.08	32.65	31.31	31.22	31.38	
17	31.04	31.04	31.31	31.98	35.42	36.49	36.86	30.97	32.72	31.36	31.19	31.35	
18	31.02	31.29	31.20	31.48	35.54	36.24	36.67	31.12	32.82	31.55	31.56	31.32	
19	31.00	32.32	31.24	31.20	35.63	35.89	36.37	31.14	32.76	31.56	31.41	31.30	
20	31.09	32.98	31.15	31.25	35.67	35.90	36.10	31.28	32.40	31.47	31.02	31.21	
21	31.26	32.81	31.22	31.34	35.55	35.68	35.66	31.19	32.44	31.46	30.81	31.29	
22	31.28	32.51	31.17	31.64	35.46	35.51	35.20	31.17	32.60	31.51	31.18	31.34	
23	31.51	32.27	30.97	32.77	35.89	35.36	34.92	31.46	32.49	31.37	31.38	31.31	
24	31.41	32.15	30.83	33.59	36.22	35.34	34.71	31.46	32.40	31.33	31.62	31.33	
25	31.38	31.95	30.78	33.93	36.11	35.65	34.57	31.27	32.32	31.32	31.63	31.29	
26	31.31	31.71	30.76	34.11	35.95	36.07	34.40	31.32	31.86	31.32	31.63	31.19	
27	31.18	31.56	30.84	33.48	35.99	36.54	34.20	31.46	31.74	31.24	31.63	31.28	
28	31.03	31.42	30.88	32.82	36.20	36.75	34.07	31.38	31.70	31.35	31.63	31.32	
29	31.18	31.34	30.82	32.73	36.53	36.82	33.94	31.22	31.68	31.39		31.33	
30	31.26	31.42	30.77	32.55	36.57	36.83	33.80	31.06	31.70	31.30		31.37	
31		31.24		32.33	36.38		33.64		31.66	31.35		31.38	
Mean	31.23	31.57	31.06	31.76	34.84	35.87	36.38	31.88	31.87	31.44	31.34	31.46	
Max	31.51	32.98	31.40	34.11	36.57	36.83	38.32	33.59	32.82	31.65	31.63	31.88	38.32
Min	31.00	31.01	30.74	30.67	32.07	34.87	33.64	30.97	30.84	31.24	30.81	31.19	30.67
Annual Max Momentary Gage Height	38.34		m. (MSL.) ,				at 18.00 Hours , on Oct 5, 2022						
Zero Gage at Bottom Elevation	29.36		m. (MSL.) ,			River Bed	28.04	m. (MSL.)					
Left Bank Elevation	39.97		m. (MSL.) ,										
Right Bank Elevation	40.18		m. (MSL.) ,			Drainage Are	24,923	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	117.07	124.48	102.49	85.98	193.59	640.77	719.42	346.37	92.86	151.87	125.31	128.63		
2	115.45	132.78	88.96	84.56	233.36	603.26	730.31	313.41	90.52	151.87	114.64	143.57		
3	113.02	121.99	83.14	80.30	301.05	554.86	785.97	306.20	117.88	147.72	115.45	156.85		
4	116.26	117.07	89.74	81.72	247.91	527.03	864.62	289.72	138.59	137.76	127.80	156.02		
5	131.12	113.83	136.10	95.20	200.38	504.04	900.92	275.30	126.97	138.59	131.95	160.17		
6	137.76	104.11	118.69	83.85	205.23	489.97	893.66	262.94	115.45	140.25	132.78	172.70		
7	128.63	106.54	114.64	78.17	246.94	484.21	875.51	253.73	108.97	141.91	128.63	176.10		
8	127.80	108.97	120.33	90.52	287.66	493.43	869.46	236.27	107.35	143.57	126.97	165.15		
9	126.14	120.33	129.46	94.42	366.97	518.56	860.99	225.60	123.65	135.27	131.95	161.83		
10	122.82	132.78	128.63	100.06	471.52	545.18	853.73	222.69	153.53	132.78	145.23	161.00		
11	125.31	143.57	129.46	116.26	541.55	579.06	844.05	193.59	165.98	146.06	141.91	148.55		
12	128.63	151.87	121.16	127.80	548.81	618.99	825.90	183.20	172.70	156.85	131.12	142.74		
13	133.61	161.83	114.64	131.95	520.98	668.60	806.54	180.50	191.65	149.38	127.80	151.87		
14	129.46	154.36	108.97	155.19	517.35	696.43	792.02	163.49	202.32	142.74	123.65	156.85		
15	125.31	131.12	107.35	181.40	548.81	701.27	773.87	124.48	241.12	141.08	127.80	140.25		
16	106.54	118.69	115.45	190.68	557.28	696.43	754.51	109.78	249.85	128.63	121.16	134.44		
17	106.54	106.54	128.63	185.00	550.02	679.49	724.26	100.87	256.76	132.78	118.69	131.95		
18	104.92	126.97	119.50	142.74	564.54	649.24	701.27	113.02	267.06	148.55	149.38	129.46		
19	103.30	217.84	122.82	119.50	575.43	606.89	664.97	114.64	260.88	149.38	136.93	127.80		
20	110.59	283.54	115.45	123.65	580.27	608.10	632.30	126.14	225.60	141.91	104.92	120.33		
21	124.48	266.03	121.16	131.12	565.75	581.48	579.06	118.69	229.48	141.08	88.18	126.97		
22	126.14	236.27	117.07	156.02	554.86	560.91	523.40	117.07	245.00	145.23	117.88	131.12		
23	145.23	212.99	100.87	261.91	606.89	542.76	489.97	141.08	234.33	133.61	134.44	128.63		
24	136.93	201.35	89.74	346.37	646.82	540.34	465.75	141.08	225.60	130.29	154.36	130.29		
25	134.44	182.30	85.98	381.39	633.51	577.85	449.61	125.31	217.84	129.46	155.19	126.97		
26	128.63	161.83	84.56	399.93	614.15	628.67	430.00	129.46	174.40	129.46	155.19	118.69		
27	117.88	149.38	90.52	335.04	618.99	685.54	409.20	141.08	164.32	122.82	155.19	126.14		
28	105.73	137.76	93.64	267.06	644.40	710.95	395.81	134.44	161.00	131.95	155.19	129.46		
29	117.88	131.12	88.96	257.79	684.33	719.42	382.42	121.16	159.34	135.27		130.29		
30	124.48	137.76	85.27	240.15	689.17	720.63	368.00	108.16	161.00	127.80		133.61		
31		122.82		218.81	666.18		351.52		157.68	131.95		134.44		
Total	3672.10	4718.82	3253.38	5344.54	15184.70	18134.36	20719.02	5419.47	5539.68	4317.87	3679.69	4382.87	94366.50	CMSDAY
Mean	122.40	152.22	108.45	172.40	489.83	604.48	668.36	180.65	178.70	139.29	131.42	141.38	258.54	CMS
Max	145.23	283.54	136.10	399.93	689.17	720.63	900.92	346.37	267.06	156.85	155.19	176.10	900.92	CMS
Min	103.30	104.11	83.14	78.17	193.59	484.21	351.52	100.87	90.52	122.82	88.18	118.69	78.17	CMS
Runoff	317.27	407.71	281.09	461.77	1311.96	1566.81	1790.12	468.24	478.63	373.06	317.93	378.68	8153.27	MCM
Momentary Peak	903.34	903.34	CMS. at 38.34 m. (MSL.)	at 18.00 Hours , on Oct 5, 2022										
Runoff Yield	10.37	10.37	Liters/Second/Square KM.		Momentary Peak Yield		36.25	Liters/Second/Square KM.						

WATER YEAR : 2022

NAN RIVER BASIN

Nam Wa at Tha Li Bridge , Nan (N.75)

Lat 18 - 32 - 54 N Long 100 - 48 - 31 E

Location : on left bank at the bridge.

	Ban	Tha Li Bridge	Amphoe	Wiang Sa	Changwat	Nan
Drainge Area	2,173	sq.km.				
Type of Gage	Staff	gage.				
Zero Gage at Bottom	+182.805	m. (MSL.)				
Bench Mark	B.M.-	H.D.				
Location BM	On left bank at the approach of the bridge.				Elevation	+196.616 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	2006 to date					
Rating Operation						
Period of Rating	2006 to date					
Rated by Float	-					
Rated by Current Meter	2006 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 34 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	184.35	184.07	185.94	185.61	185.10	185.39	185.76	184.70	184.47	184.21	184.09	184.01	
2	184.20	184.07	185.24	186.69	185.12	185.35	187.36	184.70	184.44	184.21	184.09	184.01	
3	184.20	184.09	184.77	186.07	185.05	185.47	188.14	184.69	184.42	184.20	184.09	184.01	
4	184.14	184.06	184.62	186.62	184.94	185.26	186.89	184.66	184.41	184.20	184.09	184.01	
5	184.09	184.03	184.51	185.81	185.24	185.27	186.51	184.64	184.39	184.20	184.09	184.01	
6	184.06	184.01	184.44	185.31	185.12	185.82	186.20	184.62	184.38	184.19	184.09	184.01	
7	184.06	184.05	184.37	185.68	185.35	185.52	185.97	184.60	184.36	184.19	184.08	184.01	
8	184.06	184.38	184.36	187.40	185.47	185.85	185.80	184.59	184.35	184.18	184.08	184.01	
9	184.06	184.44	184.33	185.88	185.68	185.65	185.86	184.57	184.34	184.18	184.08	184.01	
10	184.05	184.39	184.31	185.55	185.69	185.88	186.31	184.56	184.34	184.17	184.08	184.01	
11	184.05	184.32	184.31	185.50	185.77	186.05	186.08	184.54	184.33	184.17	184.06	184.00	
12	184.04	184.60	184.29	185.38	188.42	185.70	185.71	184.53	184.32	184.17	184.06	184.00	
13	184.01	184.47	184.26	185.65	189.95	186.06	185.56	184.55	184.31	184.17	184.06	184.00	
14	184.01	184.64	184.24	186.09	188.28	185.74	185.47	184.54	184.31	184.17	184.06	184.01	
15	184.00	184.46	184.24	186.06	187.11	185.59	185.36	184.53	184.30	184.16	184.05	184.02	
16	184.00	184.45	184.69	186.06	188.42	185.62	185.27	184.58	184.29	184.15	184.05	184.00	
17	183.99	184.61	184.93	185.74	187.00	186.53	185.20	184.68	184.29	184.14	184.04	184.00	
18	184.00	184.69	184.67	185.43	186.58	186.13	185.18	184.59	184.29	184.14	184.04	184.00	
19	184.06	184.48	184.56	185.42	186.13	185.87	185.13	184.66	184.28	184.15	184.04	183.99	
20	184.15	184.44	184.45	185.78	185.86	185.72	185.09	184.58	184.26	184.15	184.04	183.98	
21	184.17	184.38	184.57	185.66	186.31	186.19	185.04	184.54	184.26	184.14	184.04	183.96	
22	184.30	184.88	184.47	186.01	186.70	185.80	185.00	184.52	184.26	184.13	184.04	183.96	
23	184.34	185.96	184.46	186.05	186.30	185.72	185.14	184.49	184.25	184.11	184.04	183.96	
24	184.17	185.30	184.44	186.67	185.90	185.85	185.02	184.46	184.25	184.11	184.04	183.96	
25	184.11	184.84	184.82	186.03	185.95	185.93	184.87	184.49	184.24	184.11	184.04	183.96	
26	184.08	184.58	184.54	185.63	185.75	185.72	184.82	184.58	184.25	184.11	184.03	183.95	
27	184.10	184.49	184.54	185.50	185.81	186.16	184.71	184.64	184.25	184.11	184.03	183.95	
28	184.08	184.40	184.63	185.31	185.83	185.84	184.71	184.75	184.24	184.11	184.03	183.94	
29	184.09	184.38	184.47	185.31	185.72	185.66	184.68	184.56	184.24	184.10		183.94	
30	184.05	184.37	184.47	185.22	185.51	185.60	184.70	184.49	184.23	184.10		183.93	
31		184.89		185.25	185.40		184.71		184.21	184.09		183.93	
Mean	184.10	184.49	184.56	185.82	186.18	185.76	185.56	184.59	184.31	184.15	184.06	183.99	
Max	184.35	185.96	185.94	187.40	189.95	186.53	188.14	184.75	184.47	184.21	184.09	184.02	189.95
Min	183.99	184.01	184.24	185.22	184.94	185.26	184.68	184.46	184.21	184.09	184.03	183.93	183.93
Annual Max Momentary Gage Height	191.69		m. (MSL.) ,			at 21.00 Hours ,	on Aug 12, 2022						
Zero Gage at Bottom Elevation		182.81		m. (MSL.) ,		River Bed	180.96		m. (MSL.)				
Left Bank Elevation		196.63		m. (MSL.) ,									
Right Bank Elevation		196.59		m. (MSL.) ,		Drainage Are	2,173		Square Kilometers				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	21.75	10.75	118.50	94.70	61.00	79.35	105.20	38.50	27.29	15.90	11.45	8.65	
2	15.50	10.75	69.60	181.65	62.20	76.75	244.00	38.50	25.88	15.90	11.45	8.65	
3	15.50	11.45	42.21	128.95	58.00	84.90	324.10	38.01	24.94	15.50	11.45	8.65	
4	13.28	10.40	34.58	175.70	51.64	70.90	198.65	36.54	24.47	15.50	11.45	8.65	
5	11.45	9.35	29.19	108.75	69.60	71.55	166.35	35.56	23.55	15.50	11.45	8.65	
6	10.40	8.65	25.88	74.15	62.20	109.50	140.00	34.58	23.10	15.13	11.45	8.65	
7	10.40	10.05	22.65	99.60	76.75	88.40	120.75	33.60	22.20	15.13	11.10	8.65	
8	10.40	23.10	22.20	248.00	84.90	111.75	108.00	33.11	21.75	14.76	11.10	8.65	
9	10.40	25.88	20.85	114.00	99.60	97.50	112.50	32.13	21.30	14.76	11.10	8.65	
10	10.05	23.55	19.95	90.50	100.30	114.00	149.35	31.64	21.30	14.39	11.10	8.65	
11	10.05	20.40	19.95	87.00	105.90	127.25	129.80	30.66	20.85	14.39	10.40	8.30	
12	9.70	33.60	19.10	78.70	356.30	101.00	101.70	30.17	20.40	14.39	10.40	8.30	
13	8.65	27.29	17.90	97.50	537.00	128.10	91.20	31.15	19.95	14.39	10.40	8.30	
14	8.65	35.56	17.10	130.65	340.20	103.80	84.90	30.66	19.95	14.39	10.40	8.65	
15	8.30	26.82	17.10	128.10	219.00	93.30	77.40	30.17	19.50	14.02	10.05	9.00	
16	8.30	26.35	38.01	128.10	356.30	95.40	71.55	32.62	19.10	13.65	10.05	8.30	
17	7.97	34.09	51.08	103.80	208.00	168.05	67.00	37.52	19.10	13.28	9.70	8.30	
18	8.30	38.01	37.03	82.10	172.30	134.05	65.80	33.11	19.10	13.28	9.70	8.30	
19	10.40	27.76	31.64	81.40	134.05	113.25	62.80	36.54	18.70	13.65	9.70	7.97	
20	13.65	25.88	26.35	106.60	112.50	102.40	60.40	32.62	17.90	13.65	9.70	7.64	
21	14.39	23.10	32.13	98.20	149.35	139.15	57.40	30.66	17.90	13.28	9.70	6.98	
22	19.50	48.28	27.29	123.85	182.50	108.00	55.00	29.68	17.90	12.91	9.70	6.98	
23	21.30	120.00	26.82	127.25	148.50	102.40	63.40	28.23	17.50	12.17	9.70	6.98	
24	14.39	73.50	25.88	179.95	115.50	111.75	56.20	26.82	17.50	12.17	9.70	6.98	
25	12.17	46.04	44.92	125.55	119.25	117.75	47.72	28.23	17.10	12.17	9.70	6.98	
26	11.10	32.62	30.66	96.10	104.50	102.40	44.92	32.62	17.50	12.17	9.35	6.65	
27	11.80	28.23	30.66	87.00	108.75	136.60	39.03	35.56	17.50	12.17	9.35	6.65	
28	11.10	24.00	35.07	74.15	110.25	111.00	39.03	41.15	17.10	12.17	9.35	6.32	
29	11.45	23.10	27.29	74.15	102.40	98.20	37.52	31.64	17.10	11.80		6.32	
30	10.05	22.65	27.29	68.30	87.70	94.00	38.50	28.23					

WATER YEAR : 2022

NAN RIVER BASIN

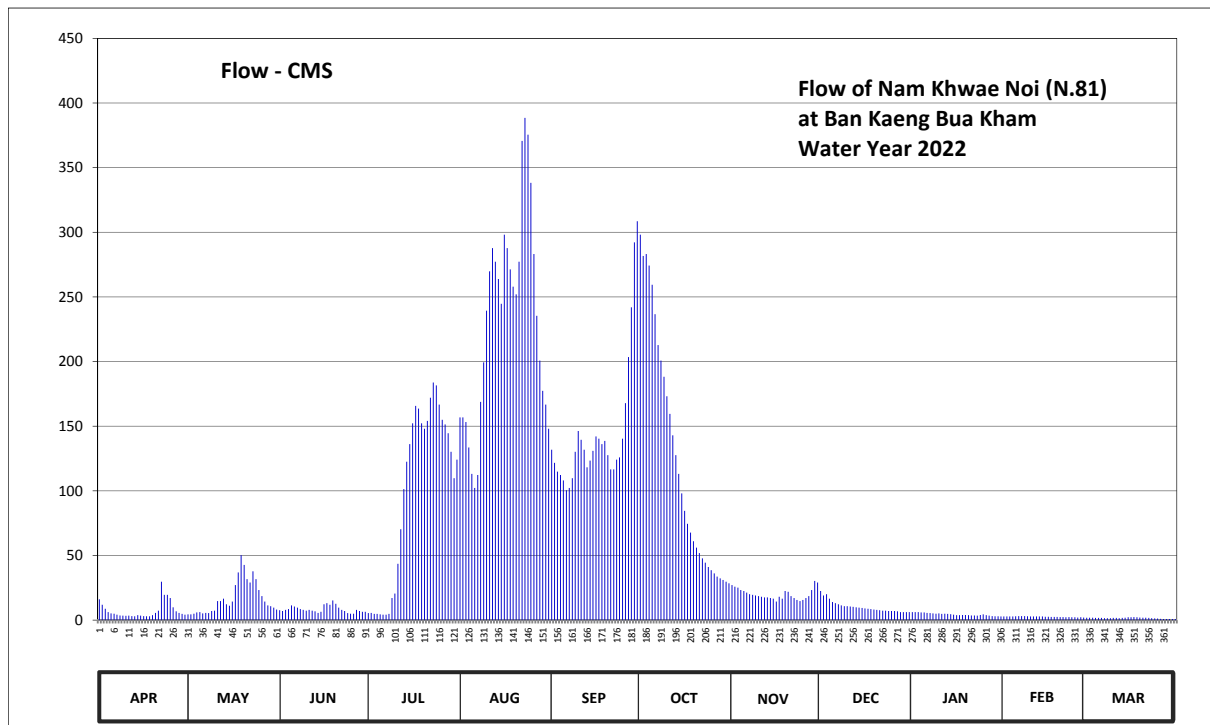
Nam Khwae Noi at Ban Kaeng Bua Kham , Phitsanulok (N.81)

Lat 17 - 07 - 43 N Long 100 - 35 - 17 E

Location : on left bank at Ban Kaeng Bua Kham.

	Ban	Kaeng Bua Kham	Amphoe	Chat Trakan	Changwat	Phitsanulok
Drainge Area	3,675	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+160.260 m. (MSL.)					
Bench Mark	B.M.- H.D.					
Location BM	On left bank near the gage site.				Elevation	+167.275 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2012 to date					
Rating Operation						
Period of Rating	2012 to date					
Rated by Float	-					
Rated by Current Meter	2012 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 25 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	161.81	161.44	161.57	161.49	163.56	163.27	164.65	162.00	161.93	161.52	161.35	161.29	
2	161.71	161.44	161.55	161.50	163.56	163.15	164.54	161.98	161.87	161.52	161.35	161.29	
3	161.61	161.47	161.58	161.46	163.52	163.07	164.55	161.97	161.89	161.52	161.35	161.29	
4	161.52	161.51	161.60	161.46	163.29	163.04	164.49	161.94	161.82	161.51	161.35	161.28	
5	161.48	161.52	161.70	161.44	163.05	162.99	164.39	161.93	161.76	161.51	161.36	161.28	
6	161.47	161.48	161.67	161.43	162.92	162.90	164.23	161.91	161.74	161.50	161.37	161.28	
7	161.43	161.50	161.64	161.43	163.04	162.92	164.05	161.89	161.72	161.49	161.37	161.27	
8	161.40	161.49	161.60	161.46	163.68	163.01	163.96	161.88	161.70	161.48	161.37	161.27	
9	161.39	161.55	161.58	161.83	163.95	163.25	163.86	161.87	161.68	161.47	161.36	161.27	
10	161.38	161.56	161.56	161.90	164.25	163.44	163.72	161.86	161.68	161.48	161.35	161.28	
11	161.39	161.78	161.58	162.22	164.46	163.36	163.59	161.85	161.67	161.46	161.35	161.28	
12	161.37	161.78	161.56	162.54	164.58	163.27	163.40	161.84	161.66	161.47	161.35	161.27	
13	161.36	161.82	161.54	162.91	164.51	163.11	163.22	161.84	161.65	161.46	161.35	161.28	
14	161.41	161.72	161.50	163.16	164.42	163.17	163.05	161.83	161.64	161.45	161.35	161.29	
15	161.39	161.69	161.53	163.32	164.29	163.26	162.87	161.82	161.63	161.43	161.34	161.31	
16	161.37	161.77	161.72	163.51	164.65	163.39	162.71	161.77	161.62	161.41	161.34	161.31	
17	161.36	162.00	161.74	163.65	164.58	163.37	162.59	161.85	161.61	161.41	161.33	161.32	
18	161.36	162.14	161.71	163.63	164.47	163.32	162.51	161.82	161.60	161.42	161.33	161.31	
19	161.41	162.30	161.79	163.51	164.38	163.35	162.43	161.93	161.59	161.42	161.33	161.30	
20	161.50	162.21	161.73	163.46	164.34	163.22	162.37	161.92	161.58	161.41	161.32	161.29	
21	161.56	162.07	161.64	163.53	164.51	163.09	162.32	161.86	161.57	161.40	161.32	161.29	
22	162.04	162.03	161.58	163.71	165.11	163.09	162.27	161.83	161.56	161.40	161.31	161.28	
23	161.88	162.15	161.55	163.82	165.22	163.18	162.23	161.80	161.56	161.39	161.32	161.27	
24	161.88	162.07	161.49	163.80	165.14	163.20	162.19	161.78	161.55	161.42	161.31	161.26	
25	161.83	161.94	161.47	163.66	164.91	163.37	162.16	161.80	161.55	161.44	161.31	161.25	
26	161.65	161.86	161.47	163.54	164.55	163.67	162.13	161.83	161.55	161.41	161.30	161.24	
27	161.54	161.77	161.58	163.50	164.22	163.98	162.10	161.86	161.54	161.39	161.31	161.23	
28	161.50	161.70	161.55	163.42	163.96	164.27	162.08	161.94	161.52	161.37	161.30	161.23	
29	161.46	161.68	161.53	163.25	163.76	164.61	162.06	162.05	161.52	161.36		161.23	
30	161.43	161.64	161.53	163.01	163.66	164.72	162.04	162.03	161.52	161.36		161.23	
31		161.59		163.18	163.46		162.02		161.52	161.35		161.23	
Mean	161.53	161.76	161.59	162.77	164.13	163.37	163.06	161.88	161.65	161.44	161.34	161.27	
Max	162.04	162.30	161.79	163.82	165.22	164.72	164.65	162.05	161.93	161.52	161.37	161.32	165.22
Min	161.36	161.44	161.47	161.43	162.92	162.90	162.02	161.77	161.52	161.35	161.30	161.23	161.23
Annual Max Momentary Gage Height	165.24	m. (MSL.) ,		at 22.00 Hours , on Aug 22, 2022									
Zero Gage at Bottom Elevation	160.26	m. (MSL.) ,		River Bed		160.52	m. (MSL.)						
Left Bank Elevation	167.14	m. (MSL.) ,											
Right Bank Elevation	167.23	m. (MSL.) ,		Drainage Are		3,675	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	16.10	4.40	7.63	5.40	156.80	131.85	298.15	27.10	22.55	6.18	2.80	1.84		
2	11.82	4.40	7.05	5.60	156.80	121.65	281.76	25.80	19.10	6.18	2.80	1.84		
3	8.79	5.00	7.92	4.80	153.20	114.85	283.25	25.15	20.10	6.18	2.80	1.84		
4	6.18	5.89	8.50	4.80	133.55	112.30	274.31	23.20	16.60	5.89	2.80	1.68		
5	5.20	6.18	11.40	4.40	113.15	108.06	259.41	22.55	13.92	5.89	2.96	1.68		
6	5.00	5.20	10.53	4.20	102.18	100.50	236.69	21.25	13.08	5.60	3.12	1.68		
7	4.20	5.60	9.66	4.20	112.30	102.18	212.75	20.10	12.24	5.40	3.12	1.52		
8	3.60	5.40	8.50	4.80	168.88	109.75	200.78	19.60	11.40	5.20	3.12	1.52		
9	3.44	7.05	7.92	17.10	199.45	130.15	188.32	19.10	10.82	5.00	2.96	1.52		
10	3.28	7.34	7.34	20.60	239.35	146.30	173.12	18.60	10.82	5.20	2.80	1.68		
11	3.44	14.76	7.92	43.56	269.84	139.50	159.50	18.10	10.53	4.80	2.80	1.68		
12	3.12	14.76	7.34	70.26	287.72	131.85	142.90	17.60	10.24	5.00	2.80	1.52		
13	2.96	16.60	6.76	101.34	277.29	118.25	127.60	17.60	9.95	4.80	2.80	1.68		
14	3.80	12.24	5.60	122.50	263.88	123.35	113.15	17.10	9.66	4.60	2.80	1.84		
15	3.44	11.11	6.47	136.10	244.67	131.00	97.98	16.60	9.37	4.20	2.64	2.16		
16	3.12	14.34	12.24	152.30	298.15	142.05	84.54	14.34	9.08	3.80	2.64	2.16		
17	2.96	27.10	13.08	165.70	287.72	140.35	74.46	18.10	8.79	3.80	2.48	2.32		
18	2.96	36.92	11.82	163.58	271.33	136.10	67.74	16.60	8.50	4.00	2.48	2.16		
19	3.80	50.20	15.18	152.30	257.92	138.65	61.02	22.55	8.21	4.00	2.48	2.00		
20	5.60	42.73	12.66	148.00	251.96	127.60	56.01	21.90	7.92	3.80	2.32	1.84		
21	7.34	31.65	9.66	154.10	277.29	116.55	51.86	18.60	7.63	3.60	2.32	1.84		
22	29.70	29.05	7.92	172.06	370.72	116.55	47.71	17.10	7.34	3.60	2.16	1.68		
23	19.60	37.75	7.05	183.84	388.54	124.20	44.39	15.60	7.34	3.44	2.32	1.52		
24	19.60	31.65	5.40	181.60	375.58	125.90	41.07	14.76	7.05	4.00	2.16	1.36		
25	17.10	23.20	5.00	166.76	338.32	140.35	38.58	15.60	7.05	4.40	2.16	1.20		
26	9.95	18.60	5.00	155.00	283.25	167.82	36.09	17.10	7.05	3.80	2.00	1.04		
27	6.76	14.34	7.92	151.40	235.36	203.44	33.60	18.60	6.76	3.44	2.16	0.88		
28	5.60	11.40	7.05	144.60	200.78	242.01	32.30	23.20	6.18	3.12	2.00	0.88		
29	4.80	10.82	6.47	130.15	177.36	292.19	31.00	30.35	6.18	2.96		0.88		
30	4.20	9.66	6.47	109.75	166.76	308.58	29.70	29.05	6.18	2.96		0.88		
31		8.21		124.20	148.00		28.40		6.18	2.80		0.88		
Total	227.46	523.55	253.46	3005.00	7208.10	4343.88	3808.14	602.90	317.82	137.64	72.80	49.20	20549.95	CMSDAY
Mean	7.58	16.89	8.45	96.94	232.52	144.80	122.84	20.10	10.25	4.44	2.60	1.59	56.30	CMS
Max	29.70	50.20	15.18	183.84	388.54	308.58	298.15	30.35	22.55	6.18	3.12	2.32	388.54	CMS
Min	2.96	4.40	5.00	4.20	102.18	100.50	28.40	14.34	6.18	2.80	2.00	0.88	0.88	CMS
Runoff	19.65	45.23	21.90	259.63	622.78	375.31	329.02	52.09	27.46	11.89	6.29	4.25	1775.52	MCM
Momentary Peak	391.78	CMS. at 165.24 m. (MSL.) at 22.00 Hours , on Aug 22, 2022												
Runoff Yield	15.32	Liters/Second/Square KM.				Momentary Peak Yield	106.61	Liters/Second/Square KM.						

WATER YEAR : 2022**NAN RIVER BASIN****Nam Pat at Ban Suan , Uttaradit (N.84)**

Lat 17 - 44 - 28 N Long 100 - 40 - 45 E

Location : on right bank at Ban Suan.

	Ban Suan	Amphoe Nam Pat	Changwat Uttaradit
Drainge Area	2,204 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+136.200 m. (MSL.)		
Bench Mark	B.M.- H.D.		
Location BM	On left bank near the gage site.	Elevation	+145.040 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2016 to date		
Rating Operation			
Period of Rating	2016 to date		
Rated by Float	-		
Rated by Current Meter	2016 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records very good. Stage-discharge relation defined by 16 discharge measurements made in 2022.		

Gage Height in Meter (A.D.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	137.07	136.99	137.07	136.85	139.22	137.85	139.37	137.20	137.12	136.87	136.78	136.75	
2	137.01	136.97	137.06	136.84	138.29	137.91	140.61	137.17	137.08	136.87	136.80	136.75	
3	136.98	136.96	137.07	136.85	138.53	137.81	140.69	137.16	137.05	136.87	136.80	136.73	
4	136.95	136.98	137.04	136.95	138.42	137.87	140.43	137.18	137.02	136.87	136.79	136.74	
5	136.93	137.00	137.01	136.88	137.95	137.75	140.49	137.18	137.00	136.86	136.78	136.74	
6	136.92	136.99	137.00	136.85	137.75	137.69	139.46	137.17	136.98	136.85	136.79	136.75	
7	136.91	136.97	136.98	136.84	137.77	137.63	139.13	137.16	136.97	136.84	136.79	136.72	
8	136.92	136.95	136.98	136.83	139.18	137.60	138.86	137.15	136.96	136.83	136.78	136.69	
9	136.90	137.07	136.96	136.83	139.44	137.93	138.69	137.16	136.96	136.83	136.78	136.70	
10	136.89	137.30	136.96	137.90	139.07	139.12	138.38	137.14	136.94	136.85	136.76	136.70	
11	136.88	137.17	136.96	138.47	138.93	139.77	138.17	137.12	136.94	136.84	136.76	136.69	
12	136.88	137.11	136.95	137.81	139.43	139.51	138.01	137.12	136.92	136.84	136.77	136.69	
13	136.89	137.17	136.95	138.24	140.05	140.10	137.91	137.12	136.93	136.84	136.76	136.70	
14	136.90	137.15	136.94	138.86	139.06	139.43	137.83	137.11	136.93	136.83	136.76	136.71	
15	136.90	137.05	136.91	138.31	138.59	139.01	137.76	137.10	136.92	136.82	136.77	136.70	
16	136.89	137.05	136.90	138.01	139.17	138.49	137.72	137.13	136.91	136.81	136.80	136.69	
17	136.88	137.95	136.88	137.77	139.71	138.27	137.67	137.10	136.90	136.79	136.79	136.69	
18	136.90	138.23	136.87	137.55	140.18	138.31	137.60	137.08	136.89	136.81	136.76	136.68	
19	138.07	137.71	136.86	137.37	139.52	138.29	137.57	137.08	136.88	136.80	136.72	136.69	
20	137.50	137.44	136.86	137.92	138.68	138.07	137.52	137.07	136.89	136.82	136.71	136.70	
21	137.24	137.43	136.86	138.16	140.07	138.38	137.46	137.06	136.89	136.82	136.71	136.72	
22	137.20	138.21	136.85	139.97	139.56	138.14	137.43	137.05	136.89	136.81	136.71	136.70	
23	137.41	138.27	136.84	140.63	138.87	138.32	137.42	137.05	136.89	136.81	136.70	136.70	
24	137.24	137.80	136.84	140.40	138.45	138.13	137.40	137.04	136.89	136.80	136.70	136.70	
25	137.15	137.52	136.83	139.01	138.29	138.02	137.38	137.08	136.89	136.79	136.70	136.71	
26	137.08	137.36	136.83	138.27	138.44	138.38	137.34	137.08	136.89	136.78	136.71	136.71	
27	137.02	137.27	136.82	137.97	138.83	138.46	137.34	137.20	136.89	136.78	136.74	136.70	
28	137.02	137.21	136.82	137.73	138.55	138.19	137.32	137.19	136.87	136.78	136.75	136.69	
29	137.00	137.14	136.83	137.64	138.36	138.01	137.29	137.25	136.86	136.78		136.67	
30	136.99	137.09	136.84	137.84	138.16	138.14	137.24	137.17	136.86	136.78		136.66	
31		137.05		139.84	138.16		137.22		136.87	136.78		136.66	
Mean	137.05	137.31	136.92	137.98	138.86	138.35	138.22	137.13	136.93	136.82	136.76	136.70	
Max	138.07	138.27	137.07	140.63	140.18	140.10	140.69	137.25	137.12	136.87	136.80	136.75	140.69
Min	136.88	136.95	136.82	136.83	137.75	137.60	137.22	137.04	136.86	136.78	136.70	136.66	136.66
Annual Max Momentary Gage Height	141.06		m. (MSL.) ,				at 01.00 Hours , on Jul 24, 2022						
Zero Gage at Bottom Elevation		136.20		m. (MSL.) ,			River Bed 136.11		m. (MSL.)				
Left Bank Elevation		145.37		m. (MSL.) ,									
Right Bank Elevation		145.04		m. (MSL.) ,		Drainage Are	2,204		Square Kilometers				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.04	3.08	4.04	1.50	72.02	19.85	81.05	5.90	4.70	1.70	0.80	0.50	
2	3.32	2.84	3.92	1.40	33.08	21.49	183.81	5.45	4.16	1.70	1.00	0.50	
3	2.96	2.72	4.04	1.50	41.63	18.77	191.89	5.30	3.80	1.70	1.00	0.30	
4	2.60	2.96	3.68	2.60	37.66	20.39	166.05	5.60	3.44	1.70	0.90	0.40	
5	2.36	3.20	3.32	1.80	22.63	17.15	171.75	5.60	3.20	1.60	0.80	0.40	
6	2.24	3.08	3.20	1.50	17.15	15.58	86.90	5.45	2.96	1.50	0.90	0.50	
7	2.12	2.84	2.96	1.40	17.69	14.26	66.98	5.30	2.84	1.40	0.90	0.20	
8	2.24	2.60	2.96	1.30	69.78	13.60	54.32	5.15	2.72	1.30	0.80	0.00	
9	2.00	4.04	2.72	1.30	85.60	22.06	47.63	5.30	2.72	1.30	0.80	0.00	
10	1.90	7.40	2.72	21.20	63.89	66.42	36.24	5.00	2.48	1.50	0.60	0.00	
11	1.80	5.45	2.72	39.44	57.31	109.19	29.18	4.70	2.48	1.40	0.60	0.00	
12	1.80	4.55	2.60	18.77	84.95	90.22	24.34	4.70	2.24	1.40	0.70	0.00	
13	1.90	5.45	2.60	31.45	131.43	135.50	21.49	4.70	2.36	1.40	0.60	0.00	
14	2.00	5.15	2.48	54.32	63.42	84.95	19.31	4.55	2.36	1.30	0.60	0.10	
15	2.00	3.80	2.12	33.76	43.88	61.07	17.42	4.40	2.24	1.20	0.70	0.00	
16	1.90	3.80	2.00	24.34	69.22	40.15	16.34	4.85	2.12	1.10	1.00	0.00	
17	1.80	22.63	1.80	17.69	104.57	32.43	15.14	4.40	2.00	0.90	0.90	0.00	
18	2.00	31.13	1.70	12.50	142.78	33.76	13.60	4.16	1.90	1.10	0.60	0.00	
19	26.05	16.07	1.60	8.80	90.93	33.08	12.94	4.16	1.80	1.00	0.20	0.00	
20	11.40	10.20	1.60	21.77	47.25	26.05	11.84	4.04	1.90	1.20	0.10	0.00	
21	6.50	10.00	1.60	28.85	133.06	36.24	10.60	3.92	1.90	1.20	0.10	0.20	
22	5.90	30.48	1.50	124.91	93.79	28.20	10.00	3.80	1.90	1.10	0.10	0.00	
23	9.60	32.43	1.40	185.83	54.72	34.11	9.80	3.80	1.90	1.10	0.00	0.00	
24	6.50	18.50	1.40	163.20	38.73	27.88	9.40	3.68	1.90	1.00	0.00	0.00	
25	5.15	11.84	1.30	61.07	33.08	24.62	9.00	4.16	1.90	0.90	0.00	0.10	
26	4.16	8.60	1.30	32.43	38.37	36.24	8.20	4.16	1.90	0.80	0.10	0.10	
27	3.44	6.95	1.20	23.20	53.14	39.08	8.20	5.90	1.90	0.80	0.40	0.00	
28	3.44	6.05	1.20	16.61	42.38	29.83	7.80	5.75	1.70	0.80	0.50	0.00	
29	3.20	5.00	1.30	14.48	35.53	24.34	7.25	6.65	1.60	0.80		0.00	
30	3.08	4.28	1.40	19.58	28.85	28.20	6.50	5.45	1.60	0.80		0.00	
31		3.80		114.58	28.85		6.20		1.70	0.80		0.00	
Total	129.40	280.92	68.38	1083.08	1877.37	1184.71	1361.17	145.98	74.32				

WATER YEAR : 2022**NAN RIVER BASIN****Nan River at Ban Saphan Khwae Yai Phatthana, Nakhon Sawan (N.85)**

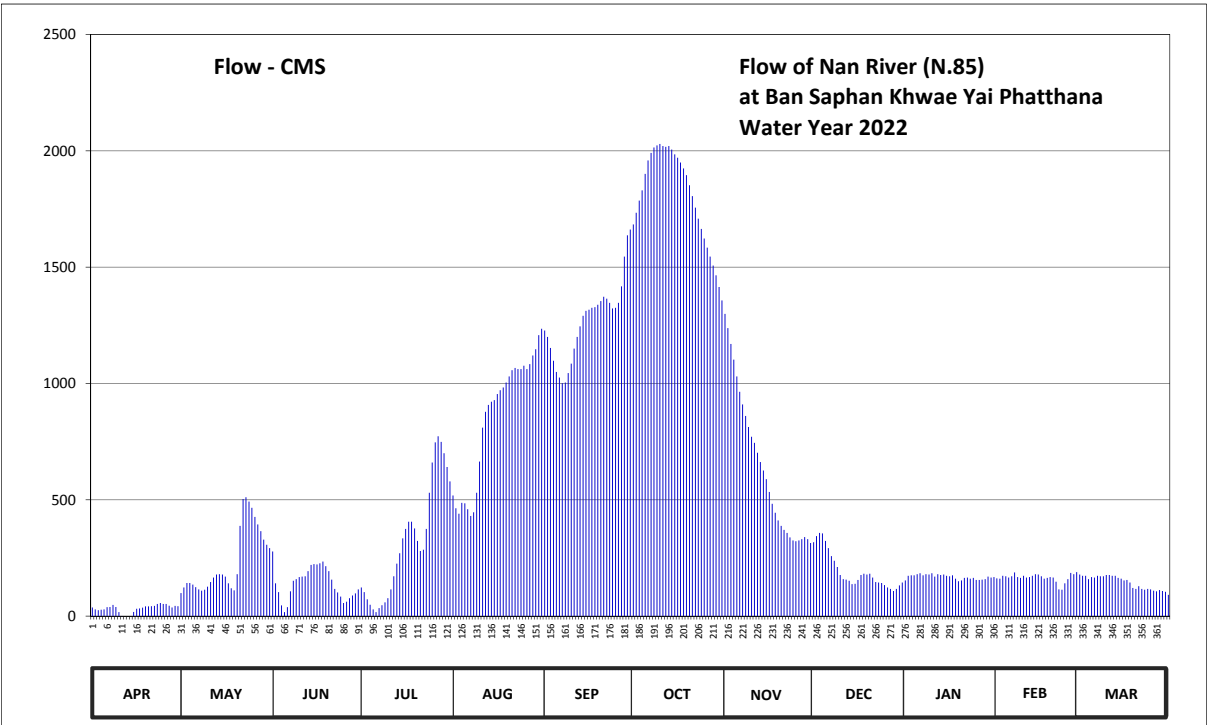
Lat 15 - 43 - 16 N Long 100 - 10 - 20 E

Location : on right bank at Khwae Yai Phatthana Bridge.

	Ban	-	Amphoe	Mueang	Changwat	Nakhon Sawan
Drainage Area	58,816	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the gage observe's house				Elevation	+26.793 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2017 to date					
Rating Operation						
Period of Rating	2017 to date					
Rated by Float	-					
Rated by Current Meter	2017 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 12 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	17.37	17.85	18.87	18.01	20.14	23.32	25.03	23.60	19.09	18.18	18.23	18.32	
2	17.29	18.01	18.11	17.88	19.85	23.21	25.21	23.36	19.23	18.29	18.22	18.29	
3	17.26	18.12	17.88	17.67	19.73	23.02	25.40	23.09	19.30	18.30	18.29	18.29	
4	17.28	18.12	17.45	17.48	19.97	22.80	25.56	22.82	19.29	18.30	18.28	18.21	
5	17.29	18.08	17.18	17.29	19.96	22.60	25.81	22.52	19.12	18.33	18.25	18.26	
6	17.38	18.02	17.38	17.18	19.83	22.50	26.01	22.24	18.95	18.35	18.28	18.25	
7	17.39	17.96	17.90	17.34	19.68	22.40	26.12	22.01	18.76	18.30	18.37	18.29	
8	17.47	17.92	18.17	17.46	19.76	22.41	26.20	21.79	18.65	18.33	18.26	18.28	
9	17.39	17.95	18.21	17.57	20.20	22.58	26.23	21.58	18.50	18.32	18.24	18.28	
10	17.18	18.03	18.26	17.70	20.89	22.75	26.25	21.39	18.31	18.35	18.29	18.31	
11	17.01	18.14	18.27	17.96	21.57	23.01	26.22	21.27	18.21	18.27	18.25	18.31	
12	16.93	18.25	18.28	18.28	21.87	23.21	26.21	21.07	18.20	18.33	18.26	18.29	
13	16.93	18.32	18.40	18.58	22.00	23.39	26.22	20.88	18.17	18.31	18.29	18.29	
14	17.00	18.33	18.55	18.83	22.06	23.57	26.17	20.70	18.09	18.32	18.33	18.24	
15	17.19	18.32	18.57	19.18	22.09	23.65	26.10	20.51	18.10	18.29	18.32	18.22	
16	17.32	18.27	18.56	19.39	22.20	23.67	26.05	20.22	18.19	18.28	18.28	18.18	
17	17.33	18.11	18.59	19.55	22.27	23.70	25.98	19.95	18.31	18.30	18.22	18.19	
18	17.36	17.99	18.63	19.55	22.32	23.71	25.89	19.75	18.34	18.22	18.24	18.13	
19	17.41	17.93	18.52	19.40	22.41	23.75	25.79	19.58	18.32	18.16	18.26	18.00	
20	17.41	18.33	18.40	19.12	22.52	23.81	25.64	19.46	18.34	18.18	18.25	17.97	
21	17.42	19.46	18.20	18.88	22.63	23.88	25.47	19.37	18.25	18.24	18.15	18.04	
22	17.43	20.06	17.97	18.91	22.67	23.85	25.29	19.30	18.14	18.25	17.96	17.97	
23	17.51	20.10	17.87	19.39	22.65	23.78	25.12	19.20	18.13	18.22	17.95	17.95	
24	17.55	20.00	17.75	20.20	22.65	23.69	24.96	19.13	18.12	18.24	18.11	17.97	
25	17.51	19.86	17.55	20.87	22.71	23.70	24.81	19.11	18.07	18.19	18.21	17.96	
26	17.51	19.66	17.60	21.28	22.65	23.78	24.67	19.13	18.01	18.19	18.36	17.92	
27	17.44	19.49	17.70	21.40	22.74	24.05	24.53	19.16	17.97	18.20	18.33	17.90	
28	17.37	19.34	17.78	21.29	22.89	24.53	24.39	19.21	17.91	18.21	18.38	17.94	
29	17.43	19.15	17.84	21.06	23.00	24.86	24.23	19.16	17.97	18.27		17.91	
30	17.42	19.03	17.96	20.78	23.24	24.95	24.04	19.07	18.06	18.25		17.89	
31		18.95		20.46	23.35		23.82		18.13	18.26		17.80	
Mean	17.33	18.62	18.08	19.03	21.69	23.47	25.47	20.65	18.39	18.27	18.24	18.12	
Max	17.55	20.10	18.87	21.40	23.65	24.95	26.25	23.60	19.30	18.35	18.38	18.32	26.25
Min	16.93	17.85	17.18	17.18	19.68	22.40	23.82	19.07	17.91	18.16	17.95	17.80	16.93
Annual Max Momentary Gage Height	26.25		m. (MSL.) ,			at 13.00 Hours , on Oct 10, 2022							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed 7.46	m. (MSL.)						
Left Bank Elevation	27.23		m. (MSL.) ,										
Right Bank Elevation	27.22		m. (MSL.) ,			Drainage Are 58,816	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	37.28	98.88	277.78	122.80	518.62	1227.56	1683.57	1298.64	317.93	153.40	162.40	178.60		
2	28.68	122.80	140.80	103.30	463.30	1199.63	1733.30	1237.71	343.78	173.20	160.60	173.20		
3	25.45	142.60	103.30	72.33	440.12	1152.26	1785.55	1169.69	357.25	175.00	173.20	173.20		
4	27.60	142.60	45.88	49.10	486.48	1097.46	1829.55	1102.44	355.33	175.00	171.40	158.80		
5	28.68	135.40	17.10	28.68	484.55	1049.34	1900.76	1030.09	323.40	180.40	166.00	167.80		
6	38.35	124.60	38.35	17.10	459.44	1025.28	1958.19	963.76	292.38	184.00	171.40	166.00		
7	39.43	115.10	106.25	34.05	430.46	1001.22	1990.64	909.91	257.80	175.00	187.60	173.20		
8	48.03	109.20	151.60	46.95	445.91	1003.63	2014.24	859.93	238.00	180.40	167.80	171.40		
9	39.43	113.63	158.80	58.78	529.91	1044.53	2023.08	812.45	211.00	178.60	164.20	171.40		
10	17.10	126.40	167.80	76.75	664.05	1085.43	2028.98	770.98	176.80	184.00	173.20	176.80		
11	0.95	146.20	169.60	115.10	810.27	1149.77	2020.14	744.79	158.80	169.60	166.00	176.80		
12	0.00	166.00	171.40	171.40	878.08	1199.63	2017.19	702.06	157.00	180.40	167.80	173.20		
13	0.00	178.60	193.00	225.40	907.57	1245.33	2020.14	661.93	151.60	176.80	173.20	173.20		
14	0.00	180.40	220.00	270.48	921.62	1291.02	2005.39	625.66	137.20	178.60	180.40	164.20		
15	18.05	178.60	223.60	334.35	928.64	1311.83	1984.74	588.85	139.00	173.20	178.60	160.60		
16	31.90	169.60	221.80	374.58	954.40	1317.10	1969.99	533.67	155.20	171.40	171.40	153.40		
17	32.98	140.80	227.20	405.38	970.78	1325.01	1949.51	482.62	176.80	175.00	160.60	155.20		
18	36.20	119.53	234.40	405.38	982.49	1327.65	1923.70	443.98	182.20	160.60	164.20	144.40		
19	41.58	110.68	214.60	376.50	1003.63	1338.20	1895.03	411.15	178.60	149.80	167.80	121.00		
20	41.58	180.40	193.00	323.40	1030.09	1354.02	1852.02	388.05	182.20	153.40	166.00	116.58		
21	42.65	388.05	157.00	279.60	1056.56	1372.48	1804.80	370.73	166.00	164.20	148.00	128.20		
22	43.73	503.57	116.58	285.08	1066.18	1364.57	1755.30	357.25	146.20	166.00	115.10	116.58		
23	52.33	511.09	101.83	374.58	1061.37	1346.11	1708.44	338.00	144.40	160.60	113.63	113.63		
24	56.63	492.28	84.13	529.91	1061.37	1322.37	1664.22	325.23	142.60	164.20	140.80	116.58		
25	52.33	465.23	56.63	659.82	1075.81	1325.01	1622.76	321.58	133.60	155.20	158.80	115.10		
26	52.33	426.59	62.00	746.97	1061.37	1346.11	1583.96	325.23	122.80	155.20	185.80	109.20		
27	44.80	393.83	76.75	773.17	1083.02	1417.25	1545.16	330.70	116.58	157.00	180.40	106.25		
28	37.28	364.95	88.55	749.16	1119.88	1545.16	1506.50	339.93	107.73	158.80	189.40	112.15		
29	43.73	328.88	97.40	699.95	1147.28	1636.58	1464.50	330.70	116.58	169.60		107.73		
30	42.65	306.98	115.10	641.17	1207.25	1661.46	1414.62	314.28	131.80	166.00		104.78		
31		292.38		579.16	1235.17		1356.65		144.40	167.80		91.50		
Total	1001.73	7275.85	4232.23	9930.38	26485.67	38083.00	56012.62	19091.99	5964.96	5232.40	4625.73	4470.68	182407.24	CMSDAY
Mean	33.39	234.70	141.07	320.33	854.38	1269.43	1806.86	636.40	192.42	168.79	165.20	144.22	499.75	CMS
Max	56.63	511.09	277.78	773.17	1235.17	1661.46	2028.98	1298.64	357.25	184.00	189.40	178.60	2028.98	CMS
Min	0.00	98.88	17.10	17.10	430.46	1001.22	1356.65	314.28	107.73	149.80	113.63	91.50	0.00	CMS
Runoff	86.55	628.63	365.66	857.98	2288.36	3290.37	4839.49	1649.55	515.37	452.08	399.66	386.27	15759.99	MCM
Momentary Peak	2028.98 CMS. at 26.25 m. (MSL.) at 13.00 Hours , on Oct 10, 2022													
Runoff Yield	8.50	Liters/Second/Square KM.			Momentary Peak Yield			34.50	Liters/Second/Square KM.					

WATER YEAR : 2022**CHAO PHRAYA RIVER BASIN****Chao Phraya River at Khai Chira Prawat, Nakhon Sawan (C.2)**

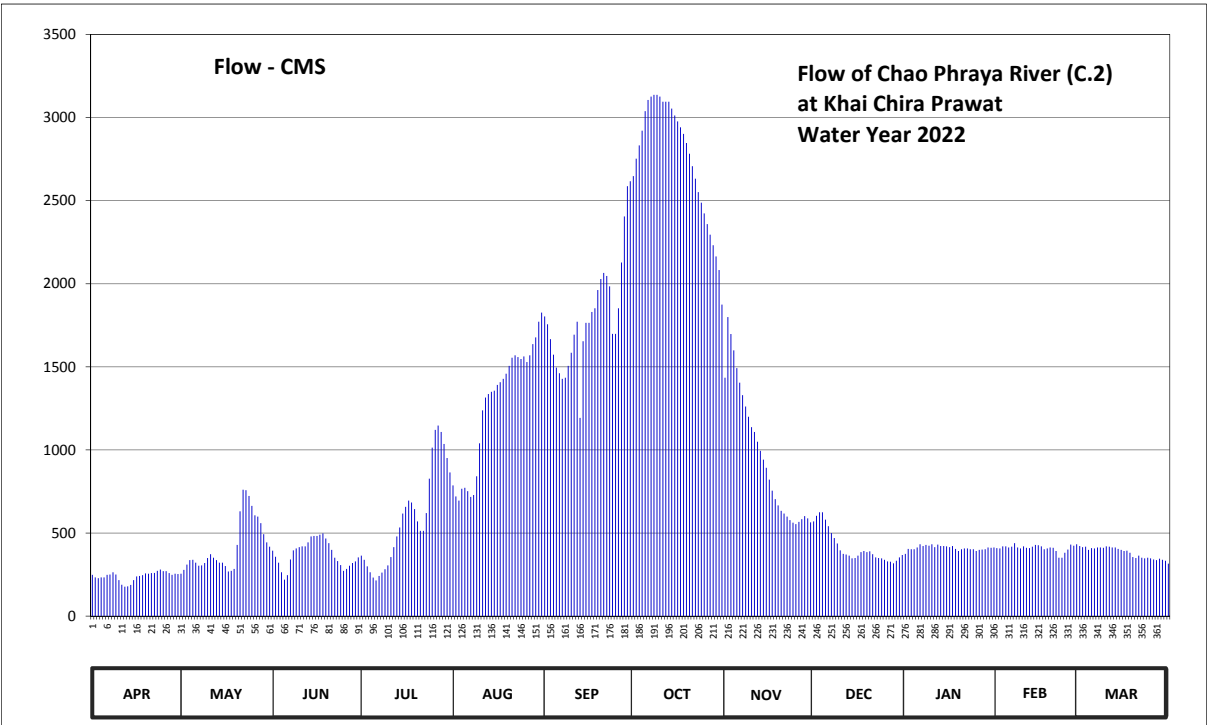
Lat 15 - 40 - 14 N Long 100 - 06 - 34 E

Location : on left bank at Ban Phai Lom

	Ban	Phai Lom	Amphoe	Mueang	Changwat	Nakhon Sawan
Drainge Area	109,782	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	About 20.00 meters west of the gage site				Elevation	+25.548 m. (MSL.)
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	Fairly stable					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow effected by Phumiphol Dam, Sirikit Dam and Phrom Phiram Dam. Stage-discharge relation defined by 42 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	17.25	17.29	17.99	17.85	19.49	22.51	24.39	22.74	18.71	17.90	18.06	18.12	
2	17.16	17.42	17.82	17.73	19.26	22.39	24.60	22.50	18.84	18.04	18.05	18.09	
3	17.13	17.58	17.64	17.53	19.17	22.16	24.76	22.24	18.92	18.03	18.11	18.10	
4	17.16	17.72	17.34	17.34	19.42	21.91	24.94	21.98	18.92	18.03	18.11	18.01	
5	17.16	17.73	17.08	17.15	19.44	21.69	25.17	21.68	18.75	18.08	18.08	18.06	
6	17.25	17.64	17.24	17.05	19.37	21.59	25.30	21.42	18.60	18.17	18.10	18.05	
7	17.26	17.55	17.74	17.21	19.25	21.49	25.34	21.20	18.44	18.12	18.20	18.08	
8	17.34	17.56	18.00	17.33	19.29	21.51	25.36	21.00	18.32	18.15	18.08	18.08	
9	17.26	17.63	18.05	17.44	19.68	21.72	25.36	20.81	18.19	18.13	18.05	18.07	
10	17.06	17.78	18.09	17.56	20.32	21.94	25.34	20.62	18.00	18.17	18.11	18.11	
11	16.88	17.89	18.11	17.81	20.93	22.23	25.28	20.53	17.90	18.09	18.07	18.10	
12	16.80	17.79	18.11	18.09	21.16	22.43	25.28	20.35	17.88	18.16	18.06	18.08	
13	16.81	17.72	18.22	18.36	21.22	22.63	25.28	20.18	17.85	18.12	18.10	18.08	
14	16.87	17.64	18.36	18.57	21.26	22.84	25.20	20.01	17.77	18.12	18.15	18.04	
15	17.06	17.64	18.37	18.89	21.28	22.89	25.12	19.85	17.78	18.11	18.14	18.01	
16	17.19	17.54	18.37	19.04	21.38	22.89	25.05	19.61	17.85	18.09	18.11	17.98	
17	17.21	17.37	18.40	19.17	21.43	22.92	24.98	19.38	17.95	18.12	18.03	17.99	
18	17.24	17.39	18.43	19.13	21.49	22.93	24.90	19.20	17.98	18.04	18.05	17.93	
19	17.30	17.45	18.31	18.99	21.58	22.98	24.79	19.07	17.95	17.98	18.08	17.81	
20	17.29	18.15	18.20	18.71	21.72	23.05	24.66	18.95	17.97	18.03	18.07	17.78	
21	17.31	18.94	18.01	18.49	21.86	23.13	24.51	18.89	17.89	18.05	17.98	17.85	
22	17.32	19.40	17.79	18.49	21.90	23.09	24.36	18.82	17.80	18.05	17.79	17.79	
23	17.39	19.39	17.69	18.90	21.87	22.99	24.20	18.74	17.78	18.03	17.79	17.77	
24	17.43	19.27	17.57	19.63	21.84	22.86	24.06	18.68	17.77	18.03	17.93	17.79	
25	17.38	19.06	17.39	20.24	21.88	22.86	23.92	18.65	17.73	17.98	18.02	17.77	
26	17.38	18.85	17.45	20.57	21.79	22.93	23.78	18.70	17.68	18.01	18.16	17.74	
27	17.31	18.82	17.55	20.65	21.90	23.27	23.64	18.76	17.67	18.02	18.13	17.72	
28	17.25	18.67	17.63	20.53	22.08	23.88	23.50	18.83	17.62	18.03	18.17	17.76	
29	17.29	18.41	17.68	20.31	22.19	24.27	23.35	18.78	17.70	18.08		17.73	
30	17.28	18.22	17.80	20.04	22.43	24.33	23.17	18.69	17.80	18.07		17.70	
31		18.10		19.76	22.57		22.94		17.87	18.08		17.61	
Mean	17.20	18.05	17.88	18.66	20.98	22.68	24.60	20.03	18.06	18.07	18.06	17.93	
Max	17.43	19.40	18.43	20.65	22.57	24.33	25.36	22.74	18.92	18.17	18.20	18.12	25.36
Min	16.80	17.29	17.08	17.05	19.17	21.49	22.94	18.65	17.62	17.90	17.79	17.61	16.80
Annual Max Momentary Gage Height	25.37		m. (MSL.) ,		at 22.00 Hours , on Oct 8, 2022								
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,		River Bed	13.32	m. (MSL.)						
Left Bank Elevation	25.71		m. (MSL.) ,										
Right Bank Elevation	26.38		m. (MSL.) ,		Drainage Are	109,782	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	248.47	255.22	393.87	363.83	786.57	1802.93	2647.05	1434.26	569.73	374.56	408.89	421.76		
2	233.29	277.74	357.39	339.22	720.46	1755.81	2752.56	1799.01	604.00	404.60	406.74	415.33		
3	228.23	309.47	321.37	299.55	694.74	1666.33	2831.84	1696.92	625.08	402.45	419.62	417.47		
4	233.29	337.23	263.65	263.65	766.26	1573.36	2921.02	1599.39	625.08	402.45	419.62	398.16		
5	233.29	339.22	219.79	231.60	772.07	1495.33	3038.30	1491.95	580.28	413.18	413.18	408.89		
6	248.47	321.37	246.78	214.73	751.89	1461.58	3105.25	1404.20	540.74	432.49	417.47	406.74		
7	250.16	303.52	341.20	241.72	717.60	1427.83	3125.85	1329.16	500.02	421.76	438.93	413.18		
8	263.65	305.50	396.02	261.96	729.03	1434.58	3136.15	1260.87	469.47	428.20	413.18	413.18		
9	250.16	319.39	406.74	281.70	841.70	1505.45	3136.15	1199.02	436.78	423.91	406.74	411.04		
10	216.42	349.13	415.33	305.50	1039.50	1584.52	3125.85	1137.16	396.02	432.49	419.62	419.62		
11	189.02	372.41	419.62	355.25	1238.08	1692.99	3094.95	1107.86	374.56	415.33	411.04	417.47		
12	177.50	351.12	419.62	415.33	1315.50	1771.52	3094.95	1049.26	370.27	430.35	408.89	413.18		
13	178.94	337.23	444.02	479.65	1335.99	1192.28	3094.95	994.23	363.83	421.76	417.47	413.18		
14	187.58	321.37	479.65	533.10	1349.65	1654.25	3053.75	941.57	347.15	421.76	428.20	404.60		
15	216.42	321.37	482.20	617.18	1356.48	1764.24	3012.55	892.00	349.13	419.62	426.06	398.16		
16	238.35	301.54	482.20	657.60	1390.62	1764.24	2976.50	821.39	363.83	415.33	419.62	391.72		
17	241.72	268.71	489.84	694.74	1407.58	1830.24	2940.84	754.75	385.29	421.76	402.45	393.87		
18	246.78	272.08	497.47	683.31	1427.83	1852.24	2901.20	703.32	391.72	404.60	406.74	381.00		
19	256.90	283.69	466.93	643.53	1458.20	1962.23	2846.70	666.17	385.29	391.72	413.18	355.25		
20	255.22	428.20	438.93	569.73	1505.45	2028.75	2782.29	632.99	389.58	402.45	411.04	349.13		
21	258.59	630.36	398.16	512.74	1554.76	2064.77	2707.34	617.18	372.41	406.74	391.72	363.83		
22	260.28	760.46	351.12	512.74	1569.64	2046.76	2631.97	598.73	353.10	406.74	351.12	351.12		
23	272.08	757.60	331.28	619.81	1558.48	1984.23	2551.58	577.64	349.13	402.45	351.12	347.15		
24	279.72	723.32	307.49	827.19	1547.33	1698.25	2487.29	561.83	347.15	402.45	381.00	351.12		
25	270.40	663.31	272.08	1013.45	1562.20	1698.25	2423.00	553.92	339.22	391.72	400.31	347.15		
26	270.40	606.63	283.69	1120.88	1529.08	1852.24	2358.82	567.10	329.30	398.16	430.35	341.20		
27	258.59	598.73	303.52	1146.93	1569.64	2127.81	2295.28	582.91	327.32	400.31	423.91	337.23		
28	248.47	559.19	319.39	1107.86	1636.58	2404.64	2231.74	601.36	317.40	402.45	432.49	345.17		
29	255.22	492.38	329.30	1036.24	1677.49	2586.75	2163.84	588.18	333.27	413.18		339.22		
30	253.53	444.02	353.10	950.86	1771.52	2616.90	2082.78	564.46	353.10	411.04		333.27		
31		417.47		864.91	1826.49		1874.24		368.12	413.18		315.42		
Total	7221.14	13028.98	11231.75	18166.49	39408.41	54301.30	85426.58	28728.79	12857.37	12729.19	11470.70	11814.81	306385.51	CMSDAY
Mean	240.70	420.29	374.39	586.02	1271.24	1810.04	2755.70	957.63	414.75	410.62	409.67	381.12	839.41	CMS
Max	279.72	760.46	497.47	1146.93	1826.49	2616.90	3136.15	1799.01	625.08	432.49	438.93	421.76	3136.15	CMS
Min	177.50	255.22	219.79	214.73	694.74	1192.28	1874.24	553.92	317.40	374.56	351.12	315.42	177.50	CMS
Runoff	623.91	1125.7	970.42	1569.58	3404.89	4691.63	7380.86	2482.17	1110.88	1099.8	991.07	1020.8	26471.71	MCM
Momentary Peak	3141.30	CMS. at 25.37 m. (MSL.) at 22.00 Hours , on Oct 8, 2022												
Runoff Yield	7.65	Liters/Second/Square KM.		Momentary Peak Yield		28.61	Liters/Second/Square KM.							

WATER YEAR : 2022**CHAO PHRAYA RIVER BASIN****Chao Phraya River at Ban Bang Phutsa, Sing Buri (C.3)**

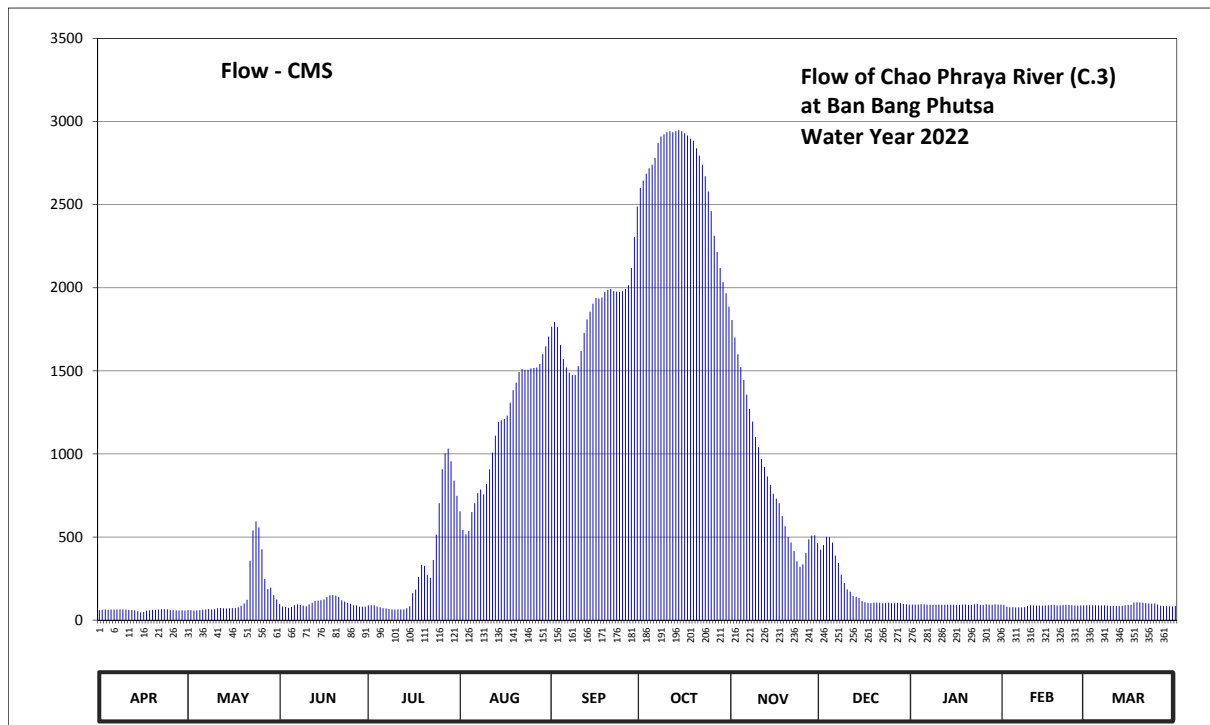
Lat 14 - 53 - 55 N Long 100 - 24 - 07 E

Location : on right bank at Ban Bang Phutsa

	Ban	Bang Phutsa	Amphoe	Mueang	Changwat	Sing Buri
Drainage Area	116,851	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank at the bridge				Elevation	+11.880 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1950 to date					
Rating Operation						
Period of Rating	1950 to date					
Rated by Float	-					
Rated by Current Meter	1950 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 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

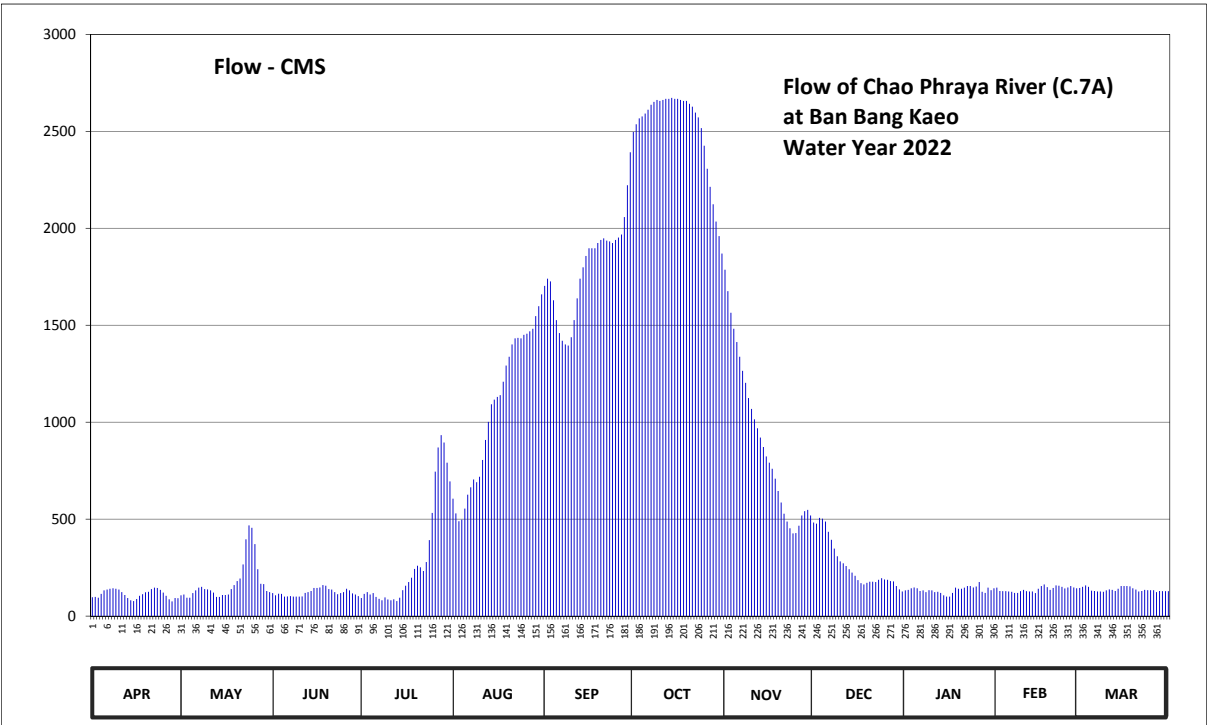
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.69	1.70	2.16	2.06	5.85	10.35	12.61	10.49	4.64	2.12	2.10	2.07	
2	1.73	1.69	1.98	2.07	5.28	10.45	12.69	10.12	4.79	2.12	1.97	2.07	
3	1.74	1.67	1.94	2.07	5.14	10.34	12.77	9.76	5.06	2.13	1.92	2.08	
4	1.72	1.67	1.88	1.98	5.25	9.96	12.83	9.47	5.05	2.15	1.91	2.08	
5	1.74	1.69	1.95	1.92	5.83	9.65	12.87	9.18	4.88	2.14	1.90	2.06	
6	1.74	1.73	2.08	1.85	6.09	9.46	12.94	8.85	4.43	2.12	1.92	2.06	
7	1.74	1.76	2.13	1.83	6.38	9.34	13.08	8.53	4.16	2.11	1.92	2.06	
8	1.75	1.78	2.09	1.79	6.48	9.29	13.14	8.23	3.69	2.10	1.93	2.04	
9	1.75	1.76	2.05	1.76	6.34	9.29	13.16	7.86	3.33	2.11	2.01	2.03	
10	1.74	1.77	2.00	1.74	6.63	9.49	13.18	7.60	3.01	2.12	2.07	2.03	
11	1.72	1.85	2.13	1.75	7.04	9.83	13.19	7.31	2.89	2.11	2.06	2.03	
12	1.70	1.87	2.23	1.75	7.47	10.22	13.18	7.10	2.64	2.11	2.05	2.03	
13	1.68	1.84	2.35	1.76	7.89	10.50	13.19	6.85	2.61	2.12	2.05	2.04	
14	1.60	1.83	2.38	1.84	8.22	10.66	13.20	6.61	2.54	2.11	2.04	2.08	
15	1.49	1.84	2.41	2.00	8.26	10.82	13.19	6.36	2.35	2.11	2.06	2.10	
16	1.53	1.86	2.45	2.80	8.29	10.93	13.17	6.22	2.28	2.10	2.08	2.11	
17	1.65	1.86	2.59	3.00	8.37	10.92	13.15	6.09	2.23	2.10	2.10	2.24	
18	1.68	1.91	2.69	3.59	8.67	10.94	13.12	5.71	2.21	2.12	2.10	2.27	
19	1.72	2.04	2.70	4.09	8.95	11.04	13.10	5.40	2.25	2.13	2.06	2.25	
20	1.72	2.19	2.67	4.05	9.12	11.08	13.03	5.06	2.25	2.10	2.06	2.24	
21	1.74	2.43	2.60	3.68	9.36	11.10	12.96	4.88	2.24	2.10	2.09	2.21	
22	1.77	4.24	2.40	3.55	9.42	11.06	12.87	4.59	2.20	2.14	2.10	2.19	
23	1.77	5.27	2.32	4.27	9.41	11.05	12.74	4.22	2.23	2.16	2.10	2.18	
24	1.75	5.55	2.23	5.13	9.41	11.04	12.57	4.01	2.24	2.11	2.07	2.19	
25	1.71	5.36	2.17	6.09	9.44	11.06	12.33	4.11	2.21	2.09	2.05	2.13	
26	1.69	4.65	2.08	7.04	9.45	11.10	12.00	4.53	2.21	2.14	2.05	2.04	
27	1.68	3.50	2.06	7.45	9.46	11.17	11.75	4.98	2.23	2.12	2.06	2.01	
28	1.66	3.02	1.96	7.57	9.54	11.48	11.48	5.10	2.21	2.11	2.06	2.00	
29	1.68	3.10	1.96	7.25	9.76	11.98	11.23	5.11	2.16	2.13		1.99	
30	1.67	2.70	1.97	6.73	9.93	12.39	11.02	4.86	2.14	2.12		1.99	
31		2.45		6.30	10.14		10.76		2.12	2.12		2.01	
Mean	1.70	2.53	2.22	3.57	7.96	10.60	12.66	6.64	2.95	2.12	2.03	2.09	
Max	1.77	5.55	2.70	7.57	10.14	12.39	13.20	10.49	5.06	2.16	2.10	2.27	13.20
Min	1.49	1.67	1.88	1.74	5.14	9.29	10.76	4.01	2.12	2.09	1.90	1.99	1.49
Annual Max Momentary Gage Height	13.20		m. (MSL.) ,			at 18.00 Hours , on Oct 13, 2022							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	-2.29	m. (MSL.)					
Left Bank Elevation	13.41		m. (MSL.) ,										
Right Bank Elevation	13.72		m. (MSL.) ,			Drainage Are	116,851	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	59.44	60.10	96.95	88.21	654.11	1765.62	2600.44	1805.70	424.27	93.20	91.33	88.99		
2	62.44	59.44	81.96	88.99	542.31	1794.25	2643.35	1699.79	450.98	93.20	81.18	88.99		
3	63.22	58.11	78.84	88.99	515.88	1762.76	2686.26	1599.69	500.77	94.14	77.28	89.77		
4	61.66	58.11	74.15	81.96	536.65	1655.20	2718.44	1522.31	498.88	96.01	76.50	89.77		
5	63.22	59.44	79.62	77.28	650.00	1569.84	2739.89	1445.05	467.00	95.08	75.72	88.21		
6	63.22	62.44	89.77	71.81	703.45	1519.67	2781.66	1356.18	387.90	93.20	77.28	88.21		
7	63.22	64.79	94.14	70.25	764.65	1487.99	2871.56	1270.96	343.75	92.27	77.28	88.21		
8	64.00	66.35	90.55	67.13	785.78	1474.73	2910.08	1194.57	273.34	91.33	78.06	86.65		
9	64.00	64.79	87.43	64.79	756.20	1474.73	2922.93	1102.61	223.49	92.27	84.30	85.87		
10	63.22	65.57	83.52	63.22	817.79	1527.60	2935.77	1039.29	185.04	93.20	88.99	85.87		
11	61.66	71.81	94.14	64.00	907.66	1619.12	2942.19	969.76	170.95	92.27	88.21	85.87		
12	60.10	73.37	103.51	64.00	1008.12	1728.41	2935.77	921.44	143.93	92.27	87.43	85.87		
13	58.78	71.03	114.75	64.79	1109.99	1808.56	2942.19	864.83	140.69	93.20	87.43	86.65		
14	53.48	70.25	117.56	71.03	1192.04	1856.40	2948.61	813.52	133.12	92.27	86.65	89.77		
15	46.19	71.03	120.37	83.52	1202.17	1904.24	2942.19	760.43	114.75	92.27	88.21	91.33		
16	48.84	72.59	124.12	161.22	1209.77	1937.82	2929.35	730.85	108.19	91.33	89.77	92.27		
17	56.79	72.59	138.53	183.86	1230.04	1934.60	2916.51	703.45	103.51	91.33	91.33	104.45		
18	58.78	76.50	149.33	259.49	1308.25	1941.04	2897.24	625.34	101.63	93.20	91.33	107.26		
19	61.66	86.65	150.42	332.46	1382.99	1973.24	2884.40	565.39	105.38	94.14	88.21	105.38		
20	61.66	99.76	147.17	326.54	1428.86	1986.12	2839.45	500.77	105.38	91.33	88.21	104.45		
21	63.22	122.24	139.61	271.95	1493.27	1992.56	2794.51	467.00	104.45	91.33	90.55	101.63		
22	65.57	356.83	119.43	253.95	1509.11	1979.68	2739.89	415.37	100.70	95.08	91.33	99.76		
23	65.57	540.43	111.94	361.74	1506.47	1976.46	2670.16	353.56	103.51	96.95	91.33	98.82		
24	64.00	594.33	103.51	513.99	1506.47	1973.24	2578.99	320.62	104.45	92.27	88.99	99.76		
25	60.88	557.67	97.89	703.45	1514.39	1979.68	2460.47	335.58	101.63	90.55	87.43	94.14		
26	59.44	426.05	89.77	907.66	1517.03	1992.56	2312.03	404.68	101.63	95.08	87.43	86.65		
27	58.78	247.03	88.21	1003.32	1519.67	2015.10	2214.79	485.67	103.51	93.20	88.21	84.30		
28	57.45	186.22	80.40	1032.09	1540.80	2119.23	2119.23	508.33	101.63	92.27	88.21	83.52		
29	58.78	195.69	80.40	955.88	1599.69	2304.25	2034.42	510.21	96.95	94.14		82.74		
30	58.11	150.42	81.18	839.17	1646.88	2489.05	1966.80	463.44	95.08	93.20		82.74		
31		124.12		747.75	1705.51		1886.30		93.20	93.20		84.30		
Total	1807.38	4885.75	3109.17	9964.49	35766.00	55543.75	82765.87	25756.39	6089.69	2884.78	2408.18	2832.20	233813.65	CMSDAY
Mean	60.25	157.60	103.64	321.44	1153.74	1851.46	2669.87	858.55	196.44	93.06	86.01	91.36	640.59	CMS
Max	65.57	594.33	150.42	1032.09	1705.51	2489.05	2948.61	1805.70	500.77	96.95	91.33	107.26	2948.61	CMS
Min	46.19	58.11	74.15	63.22	515.88	1474.73	1886.30	320.62	93.20	90.55	75.72	82.74	46.19	CMS
Runoff	156.16	422.13	268.63	860.93	3090.18	4798.98	7150.97	2225.35	526.15	249.24	208.07	244.70	20201.50	MCM
Momentary Peak	2948.61 CMS. at 13.20 m. (MSL.) at 18.00 Hours , on Oct 13, 2022													
Runoff Yield	5.48	Liters/Second/Square KM.			Momentary Peak Yield			25.23	Liters/Second/Square KM.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.60	0.67	0.75	0.57	3.37	7.28	9.19	7.51	2.81	0.85	0.95	0.94	
2	0.61	0.70	0.67	0.72	3.03	7.39	9.27	7.20	2.78	0.87	0.83	0.98	
3	0.58	0.58	0.73	0.79	2.84	7.35	9.33	6.87	2.92	0.93	0.82	1.03	
4	0.72	0.58	0.72	0.70	2.88	7.06	9.35	6.63	2.90	0.96	0.82	0.98	
5	0.85	0.75	0.62	0.75	3.14	6.76	9.38	6.41	2.83	0.93	0.81	0.84	
6	0.88	0.85	0.63	0.61	3.46	6.56	9.42	6.16	2.58	0.83	0.80	0.83	
7	0.91	0.95	0.64	0.54	3.62	6.43	9.47	5.92	2.38	0.85	0.76	0.81	
8	0.93	0.98	0.62	0.48	3.79	6.37	9.50	5.71	2.15	0.79	0.76	0.81	
9	0.91	0.90	0.62	0.59	3.73	6.35	9.52	5.44	1.93	0.86	0.82	0.80	
10	0.88	0.89	0.62	0.51	3.85	6.49	9.51	5.23	1.78	0.85	0.87	0.85	
11	0.79	0.85	0.63	0.48	4.21	6.76	9.52	5.03	1.72	0.79	0.82	0.89	
12	0.68	0.77	0.76	0.52	4.61	7.09	9.53	4.85	1.64	0.80	0.81	0.87	
13	0.57	0.61	0.79	0.45	4.98	7.39	9.53	4.66	1.54	0.76	0.81	0.83	
14	0.48	0.61	0.83	0.58	5.32	7.54	9.54	4.47	1.44	0.67	0.75	0.91	
15	0.45	0.68	0.94	0.86	5.41	7.69	9.53	4.28	1.34	0.62	0.91	1.01	
16	0.53	0.68	0.94	1.02	5.46	7.79	9.53	4.15	1.20	0.62	1.01	1.01	
17	0.65	0.70	0.96	1.14	5.49	7.79	9.52	4.02	1.10	0.76	1.06	1.01	
18	0.71	0.90	1.04	1.28	5.73	7.79	9.51	3.81	1.06	0.95	0.97	1.00	
19	0.78	1.04	1.02	1.55	6.01	7.86	9.51	3.54	1.11	0.91	0.87	0.93	
20	0.80	1.17	0.90	1.65	6.16	7.90	9.48	3.28	1.15	0.91	0.94	0.88	
21	0.90	1.25	0.88	1.60	6.37	7.92	9.45	3.02	1.15	0.95	1.03	0.81	
22	0.95	1.69	0.79	1.49	6.47	7.89	9.39	2.83	1.14	1.01	1.02	0.83	
23	0.94	2.39	0.71	1.76	6.48	7.88	9.34	2.67	1.21	1.01	0.98	0.87	
24	0.87	2.74	0.75	2.37	6.47	7.86	9.23	2.54	1.26	0.96	0.92	0.86	
25	0.77	2.68	0.79	3.04	6.53	7.90	9.05	2.55	1.22	0.99	0.96	0.86	
26	0.65	2.27	0.91	3.96	6.55	7.93	8.79	2.73	1.21	1.14	1.01	0.86	
27	0.52	1.54	0.85	4.46	6.59	7.97	8.58	2.98	1.17	0.80	0.96	0.79	
28	0.44	1.08	0.74	4.71	6.63	8.20	8.36	3.08	1.16	0.76	0.93	0.83	
29	0.57	1.07	0.70	4.56	6.82	8.60	8.14	3.11	1.01	0.95		0.82	
30	0.56	0.83	0.64	4.15	6.97	8.98	7.95	2.98	0.89	0.86		0.82	
31		0.79		3.75	7.15		7.72		0.81	0.93		0.82	
Mean	0.72	1.10	0.77	1.67	5.17	7.49	9.20	4.46	1.63	0.87	0.89	0.88	
Max	0.95	2.74	1.04	4.71	7.15	8.98	9.54	7.51	2.92	1.14	1.06	1.03	9.54
Min	0.44	0.58	0.62	0.45	2.84	6.35	7.72	2.54	0.81	0.62	0.75	0.79	0.44
Annual Max Momentary Gage Height	9.55		m. (MSL) ,		at 17.00 Hours , on Oct 14, 2022								
Zero Gage at Bottom Elevation	0.00		m. (MSL) ,		River Bed	-6.73	m. (MSL.)						
Left Bank Elevation	10.04		m. (MSL) ,										
Right Bank Elevation	9.98		m. (MSL) ,		Drainage Area	Square Kilometers							



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	97.40	107.23	118.47	93.43	605.82	1703.00	2496.60	1786.70	483.07	132.52	146.57	145.16		
2	98.81	111.45	107.23	114.26	530.06	1739.98	2536.76	1676.11	476.70	135.33	129.71	150.78		
3	94.75	94.75	115.66	124.09	489.43	1726.53	2566.89	1564.41	506.41	143.76	128.31	158.39		
4	114.26	94.75	114.26	111.45	497.92	1629.05	2576.93	1482.32	502.16	147.97	128.31	150.78		
5	132.52	118.47	100.21	118.47	554.57	1526.79	2591.99	1413.79	487.31	143.76	126.90	131.11		
6	136.73	132.52	101.61	98.81	626.63	1459.79	2612.09	1337.32	434.46	129.71	125.50	129.71		
7	140.95	146.57	103.02	89.45	664.31	1419.92	2637.25	1264.97	393.92	132.52	119.88	126.90		
8	143.76	150.78	100.21	81.51	704.35	1401.52	2652.35	1202.87	348.44	124.09	119.88	126.90		
9	140.95	139.54	100.21	96.08	690.22	1395.39	2662.41	1125.08	308.85	133.92	128.31	125.50		
10	136.73	138.14	100.21	85.48	718.75	1438.32	2657.38	1068.22	282.06	132.52	135.33	132.52		
11	124.09	132.52	101.61	81.51	805.68	1526.79	2662.41	1014.88	271.87	124.09	128.31	138.14		
12	108.64	121.28	119.88	86.80	908.38	1639.13	2667.44	968.99	258.29	125.50	126.90	135.33		
13	93.43	98.81	124.09	77.53	1001.83	1739.98	2667.44	921.01	241.32	119.88	126.90	129.71		
14	81.51	98.81	129.71	94.75	1092.22	1798.52	2672.47	872.46	224.35	107.23	118.47	140.95		
15	77.53	108.64	145.16	133.92	1116.43	1857.64	2667.44	823.66	207.97	100.21	140.95	155.19		
16	88.13	108.64	145.16	156.79	1130.84	1897.06	2667.44	791.06	185.58	100.21	155.19	155.19		
17	104.42	111.45	147.97	175.98	1139.48	1897.06	2662.41	759.73	169.58	119.88	163.19	155.19		
18	112.85	139.54	159.99	198.37	1208.63	1897.06	2657.38	709.11	163.19	146.57	149.38	153.59		
19	122.69	159.99	156.79	243.02	1292.11	1924.56	2657.38	645.47	171.18	140.95	135.33	143.76		
20	125.50	180.78	139.54	259.99	1337.32	1940.27	2642.28	585.76	177.58	140.95	145.16	136.73		
21	139.54	193.57	136.73	251.51	1401.52	1948.13	2627.19	527.84	177.58	146.57	158.39	126.90		
22	146.57	266.78	124.09	232.84	1432.19	1936.35	2597.01	487.31	175.98	155.19	156.79	129.71		
23	145.16	395.95	112.85	278.66	1435.26	1932.42	2571.91	453.36	187.17	155.19	150.78	135.33		
24	135.33	468.22	118.47	391.90	1432.19	1924.56	2516.68	426.35	195.17	147.97	142.35	133.92		
25	121.28	455.48	124.09	532.29	1450.59	1940.27	2426.31	428.38	188.77	152.19	147.97	133.92		
26	104.42	371.63	140.95	745.26	1456.73	1952.05	2307.07	466.09	187.17	175.98	155.19	133.92		
27	86.80	241.32	132.52	869.89	1468.99	1967.76	2213.71	519.14	180.78	125.50	147.97	124.09		
28	76.21	166.38	117.07	933.63	1482.32	2058.09	2123.61	541.20	179.18	119.88	143.76	129.71		
29	93.43	164.79	111.45	895.58	1547.31	2221.90	2034.53	547.89	155.19	146.57		128.31		
30	92.10	129.71	103.02	791.06	1598.62	2392.24	1959.91	519.14	138.14	133.92		128.31		
31		124.09		694.93	1659.30		1869.47		126.90	143.76		128.31		
Total	3416.49	5472.58	3652.23	9139.24	33480.00	53832.13	77862.14	26930.62	8186.32	4184.29	3881.68	4253.96	234291.68	CMSDAY
Mean	113.88	176.53	121.74	294.81	1080.00	1794.40	2511.68	897.69	264.07	134.98	138.63	137.22	641.90	CMS
Max	146.57	468.22	159.99	933.63	1659.30	2392.24	2672.47	1786.70	506.41	175.98	163.19	158.39	2672.47	CMS
Min	76.21	94.75	100.21	77.53	489.43	1395.39	1869.47	426.35	126.90	100.21	118.47	124.09	76.21	CMS
Runoff	295.18	472.83	315.55	789.63	2892.67	4651.1	6727.29	2326.81	707.30	361.52	335.38	367.54	20242.8	MCM
Momentary Peak	2677.50	CMS.	at 9.55 m. (MSL.)	at 17.00 Hours	on Oct 14, 2022									
Runoff Yield	*****	Liters/Second/Square KM.			Momentary Peak Yield		*****	Liters/Second/Square KM.						

WATER YEAR : 2022**CHAO PHRAYA RIVER BASIN****Chao Phraya River at Ban Bang Luang, Chai Nat (C.13)**

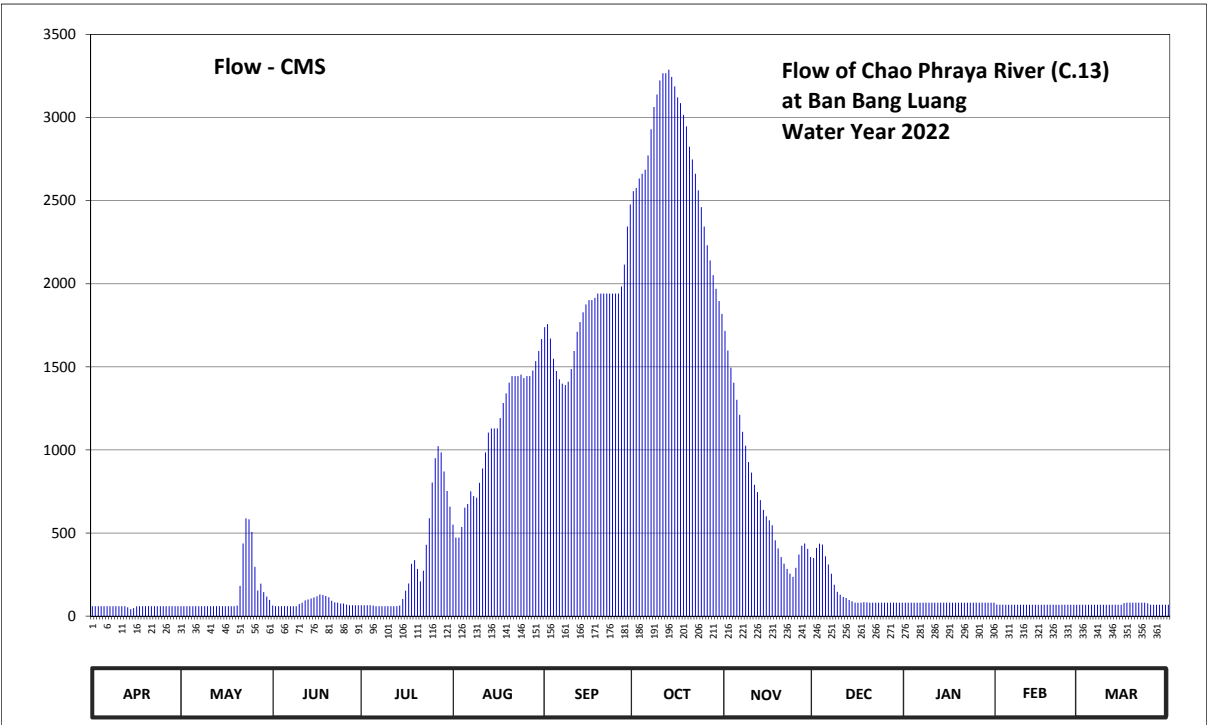
Lat 15 - 09 - 50 N Long 100 - 11 - 17 E

Location : on left bank at Wat Pho Ngam about 1.5 kilometers downstream from Chao Phraya Diversion Dam

	Ban	Bang Luang	Amphoe	Sanphaya	Changwat	Chai Nat
Drainge Area	116,801	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	B.M.2 - on right bank about 400 meters from the B.M.1				Elevation	+18.200 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1947 to date.					
Rating Operation						
Period of Rating	1953 - 1962, 1965 - 1968, 1972 - 1975 to date.					
Rated by Float	-					
Rated by Current Meter	1953 - 1962, 1965 - 1968, 1972 - 1975 to date.					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow regulated by Chao Phraya Dam above gage site. Stage-discharge relation defined by 49 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.31	5.31	5.35	5.37	9.02	13.81	16.10	13.74	7.82	5.54	5.42	5.41	
2	5.31	5.31	5.31	5.37	8.58	13.87	16.14	13.35	8.21	5.54	5.41	5.41	
3	5.31	5.31	5.31	5.37	8.58	13.59	16.26	13.01	8.36	5.54	5.41	5.41	
4	5.31	5.31	5.31	5.37	8.94	13.19	16.32	12.69	8.33	5.54	5.41	5.41	
5	5.31	5.31	5.31	5.35	9.56	12.94	16.37	12.32	7.89	5.54	5.41	5.41	
6	5.31	5.31	5.31	5.31	9.67	12.76	16.55	11.98	7.57	5.54	5.41	5.41	
7	5.31	5.31	5.31	5.31	10.05	12.67	16.83	11.59	7.15	5.54	5.41	5.41	
8	5.31	5.31	5.31	5.31	9.91	12.64	17.06	11.26	6.61	5.54	5.41	5.41	
9	5.31	5.31	5.31	5.31	9.86	12.71	17.19	10.84	6.23	5.54	5.41	5.41	
10	5.31	5.31	5.46	5.31	10.28	12.98	17.31	10.56	6.06	5.54	5.41	5.41	
11	5.31	5.31	5.54	5.31	10.67	13.34	17.37	10.23	5.92	5.54	5.41	5.41	
12	5.31	5.31	5.69	5.31	11.09	13.72	17.37	10.03	5.85	5.54	5.41	5.41	
13	5.23	5.31	5.76	5.31	11.57	13.91	17.40	9.79	5.73	5.54	5.41	5.41	
14	5.11	5.31	5.82	5.35	11.67	14.10	17.34	9.49	5.64	5.54	5.41	5.41	
15	5.18	5.31	5.89	5.79	11.67	14.25	17.26	9.29	5.54	5.54	5.41	5.41	
16	5.30	5.31	5.96	6.30	11.67	14.33	17.16	9.16	5.54	5.54	5.41	5.51	
17	5.31	5.31	6.07	6.68	11.91	14.33	17.10	9.00	5.54	5.54	5.41	5.54	
18	5.31	5.31	6.04	7.60	12.25	14.37	16.98	8.48	5.58	5.54	5.41	5.54	
19	5.31	5.31	5.98	7.74	12.46	14.45	16.86	8.19	5.57	5.54	5.41	5.54	
20	5.31	5.35	5.90	7.37	12.69	14.45	16.65	7.86	5.54	5.54	5.41	5.54	
21	5.31	6.56	5.67	6.78	12.83	14.45	16.50	7.61	5.54	5.54	5.41	5.54	
22	5.31	8.37	5.57	7.29	12.83	14.45	16.32	7.37	5.54	5.54	5.41	5.54	
23	5.31	9.22	5.55	8.32	12.83	14.45	16.11	7.15	5.54	5.54	5.41	5.54	
24	5.31	9.19	5.49	9.23	12.86	14.45	15.88	7.00	5.54	5.54	5.41	5.50	
25	5.31	8.78	5.49	10.29	12.79	14.45	15.59	7.42	5.54	5.54	5.41	5.41	
26	5.31	7.46	5.42	10.94	12.83	14.45	15.30	7.96	5.54	5.54	5.41	5.41	
27	5.31	6.31	5.37	11.25	12.83	14.58	15.04	8.29	5.54	5.54	5.41	5.41	
28	5.31	6.67	5.37	11.09	12.95	14.97	14.79	8.37	5.54	5.54	5.41	5.41	
29	5.31	6.21	5.37	10.59	13.14	15.59	14.54	8.17	5.54	5.54		5.41	
30	5.31	5.94	5.37	10.06	13.34	15.92	14.31	7.86	5.54	5.54		5.41	
31		5.73		9.59	13.58		14.07		5.54	5.54		5.41	
Mean	5.30	6.02	5.55	7.15	11.45	14.01	16.32	9.67	6.18	5.54	5.41	5.45	
Max	5.31	9.22	6.07	11.25	13.58	15.92	17.40	13.74	8.36	5.54	5.42	5.54	17.40
Min	5.11	5.31	5.31	5.31	8.58	12.64	14.07	7.00	5.54	5.54	5.41	5.41	5.11
Annual Max Momentary Gage Height	17.41		m. (MSL.) ,			at 19.00 Hours , on Oct 13, 2022							
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed 2.08	m. (MSL.)						
Left Bank Elevation		17.52	m. (MSL.) ,										
Right Bank Elevation		18.20	m. (MSL.) ,			Drainage Are 116,801	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	59.62	59.62	63.22	65.03	550.77	1738.33	2557.07	1716.60	349.05	80.35	69.53	68.63		
2	59.62	59.62	59.62	65.03	472.96	1756.95	2576.13	1597.72	410.42	80.35	68.63	68.63		
3	59.62	59.62	59.62	65.03	472.96	1670.14	2633.29	1495.13	435.78	80.35	68.63	68.63		
4	59.62	59.62	59.62	65.03	536.00	1549.44	2661.87	1404.58	430.70	80.35	68.63	68.63		
5	59.62	59.62	59.62	63.22	652.57	1475.17	2685.68	1301.35	360.05	80.35	68.63	68.63		
6	59.62	59.62	59.62	59.62	674.33	1424.35	2771.42	1210.60	310.55	80.35	68.63	68.63		
7	59.62	59.62	59.62	59.62	750.64	1398.94	2929.08	1109.05	255.18	80.35	68.63	68.63		
8	59.62	59.62	59.62	59.62	721.79	1390.46	3062.93	1024.98	188.25	80.35	68.63	68.63		
9	59.62	59.62	59.62	59.62	711.90	1410.23	3138.58	927.20	146.12	80.35	68.63	68.63		
10	59.62	59.62	73.14	59.62	801.48	1486.46	3223.22	863.36	129.39	80.35	68.63	68.63		
11	59.62	59.62	80.35	59.62	888.24	1594.71	3266.22	790.42	115.60	80.35	68.63	68.63		
12	59.62	59.62	93.87	59.62	984.48	1710.40	3266.22	746.22	108.71	80.35	68.63	68.63		
13	52.41	59.62	100.18	59.62	1103.95	1769.36	3287.71	698.06	97.48	80.35	68.63	68.63		
14	42.25	59.62	105.76	63.22	1129.43	1828.32	3244.72	638.73	89.37	80.35	68.63	68.63		
15	48.04	59.62	112.65	102.89	1129.43	1875.61	3187.39	600.62	80.35	80.35	68.63	68.63		
16	58.72	59.62	119.54	153.02	1129.43	1901.64	3121.12	576.62	80.35	80.35	68.63	77.65		
17	59.62	59.62	130.37	196.72	1191.91	1901.64	3086.21	547.08	80.35	80.35	68.63	80.35		
18	59.62	59.62	127.42	314.50	1282.66	1914.65	3016.37	456.06	83.96	80.35	68.63	80.35		
19	59.62	59.62	121.51	336.49	1339.64	1940.67	2946.54	407.16	83.06	80.35	68.63	80.35		
20	59.62	63.22	113.64	284.18	1404.58	1940.67	2824.34	355.33	80.35	80.35	68.63	80.35		
21	59.62	182.21	92.07	208.81	1444.11	1940.67	2747.61	316.07	80.35	80.35	68.63	80.35		
22	59.62	437.47	83.06	273.64	1444.11	1940.67	2661.87	284.18	80.35	80.35	68.63	80.35		
23	59.62	587.70	81.25	429.01	1444.11	1940.67	2561.84	255.18	80.35	80.35	68.63	80.35		
24	59.62	582.16	75.84	589.54	1452.58	1940.67	2461.04	235.41	80.35	80.35	68.63	76.75		
25	59.62	506.77	75.84	803.69	1432.82	1940.67	2344.09	290.77	80.35	80.35	68.63	68.63		
26	59.62	296.05	69.53	950.11	1444.11	1940.67	2231.97	371.04	80.35	80.35	68.63	68.63		
27	59.62	154.00	65.03	1022.43	1444.11	1982.96	2139.70	423.94	80.35	80.35	68.63	68.63		
28	59.62	195.51	65.03	984.48	1477.99	2114.85	2051.27	437.47	80.35	80.35	68.63	68.63		
29	59.62	144.16	65.03	869.99	1534.36	2344.09	1969.95	404.02	80.35	80.35		68.63		
30	59.62	117.57	65.03	752.85	1594.71	2477.18	1895.13	355.33	80.35	80.35		68.63		
31		97.48		658.51	1667.13		1819.01		80.35	80.35		68.63		
Total	1751.54	4497.08	2456.32	9794.38	34309.29	54241.24	84369.59	21840.28	4798.92	2490.85	1922.54	2226.71	224698.74	CMSDAY
Mean	58.38	145.07	81.88	315.95	1106.75	1808.04	2721.60	728.01	154.80	80.35	68.66	71.83	615.61	CMS
Max	59.62	587.70	130.37	1022.43	1667.13	2477.18	3287.71	1716.60	435.78	80.35	69.53	80.35	3287.71	CMS
Min	42.25	59.62	59.62	59.62	472.96	1390.46	1819.01	235.41	80.35	80.35	68.63	68.63	42.25	CMS
Runoff	151.33	388.55	212.23	846.23	2964.32	4686.44	7289.53	1887.00	414.63	215.21	166.11	192.39	19413.97	MCM
Momentary Peak	3294.88 CMS. at 17.41 m. (MSL.) at 19.00 Hours , on Oct 13, 2022													
Runoff Yield	5.27	Liters/Second/Square KM.			Momentary Peak Yield			28.21	Liters/Second/Square KM.					

WATER YEAR : 2022**CHAO PHRAYA RIVER BASIN****Chao Phraya River at Ban Pom, Phra Nakhon Si Ayutthaya (C.35)**

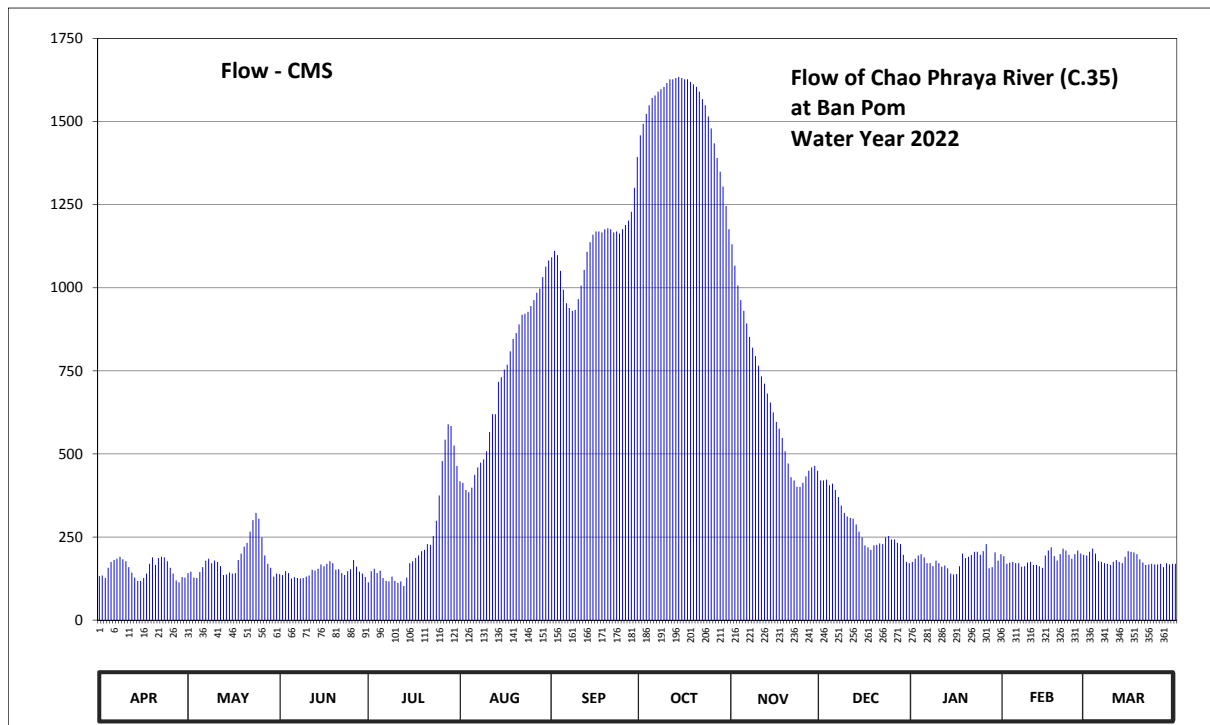
Lat 14 - 22 - 09 N Long 100 - 31 - 43 E

Location : on right bank at Ban Pom

	Ban Pom	Amphoe Phra Nakhon Si Ayutthaya	Changwat Phra Nakhon Si Ayutthaya
Drainage Area	Flood Plain		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank near the gage site.		Elevation +4.449 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1997 to date		
Rating Operation			
Period of Rating	1997 to date		
Rated by Float	-		
Rated by Current Meter	1998 to date		
Stability of Channel Regimes	Fairly stable because of backwater effect.		
Overbank Flow Conditions	Overbank flow starts at elevation + 5.070 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 19 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.40	0.46	0.44	0.27	1.79	4.22	5.31	4.34	1.80	0.67	0.76	0.77	
2	0.41	0.49	0.42	0.50	1.77	4.28	5.41	4.14	1.80	0.72	0.64	0.83	
3	0.36	0.37	0.50	0.55	1.68	4.24	5.49	3.95	1.81	0.77	0.66	0.88	
4	0.57	0.36	0.46	0.46	1.65	4.09	5.56	3.81	1.74	0.79	0.67	0.80	
5	0.67	0.48	0.35	0.51	1.71	3.91	5.62	3.70	1.76	0.74	0.65	0.68	
6	0.70	0.58	0.38	0.36	1.87	3.78	5.64	3.57	1.68	0.65	0.65	0.67	
7	0.72	0.69	0.36	0.30	1.96	3.73	5.67	3.43	1.59	0.65	0.59	0.65	
8	0.75	0.72	0.35	0.29	2.02	3.70	5.69	3.32	1.48	0.60	0.60	0.64	
9	0.71	0.65	0.36	0.39	2.06	3.71	5.71	3.23	1.39	0.69	0.66	0.62	
10	0.68	0.69	0.39	0.30	2.16	3.82	5.74	3.13	1.34	0.65	0.67	0.67	
11	0.58	0.67	0.41	0.26	2.39	3.95	5.77	3.02	1.32	0.59	0.62	0.70	
12	0.47	0.60	0.53	0.29	2.60	4.10	5.77	2.94	1.31	0.61	0.62	0.67	
13	0.37	0.42	0.51	0.20	2.60	4.27	5.78	2.83	1.23	0.56	0.60	0.65	
14	0.30	0.43	0.55	0.37	2.96	4.36	5.79	2.73	1.13	0.45	0.57	0.75	
15	0.30	0.47	0.63	0.65	3.01	4.43	5.78	2.62	1.05	0.43	0.77	0.84	
16	0.36	0.45	0.60	0.68	3.09	4.46	5.77	2.51	0.93	0.44	0.85	0.83	
17	0.45	0.46	0.64	0.73	3.14	4.46	5.77	2.43	0.90	0.60	0.90	0.82	
18	0.64	0.70	0.68	0.77	3.28	4.45	5.75	2.32	0.86	0.80	0.76	0.79	
19	0.74	0.80	0.65	0.84	3.41	4.48	5.73	2.16	0.93	0.73	0.69	0.71	
20	0.62	0.91	0.53	0.86	3.47	4.49	5.71	2.01	0.94	0.75	0.79	0.66	
21	0.73	0.97	0.54	0.95	3.56	4.48	5.67	1.84	0.96	0.78	0.88	0.62	
22	0.75	1.13	0.46	0.94	3.66	4.45	5.61	1.80	0.95	0.83	0.85	0.63	
23	0.74	1.29	0.42	1.07	3.67	4.46	5.56	1.72	1.05	0.83	0.78	0.64	
24	0.68	1.39	0.50	1.28	3.69	4.44	5.47	1.72	1.07	0.78	0.72	0.63	
25	0.57	1.31	0.54	1.61	3.75	4.48	5.37	1.77	1.02	0.84	0.79	0.63	
26	0.45	1.05	0.70	2.04	3.81	4.52	5.24	1.85	1.02	0.95	0.85	0.64	
27	0.31	0.77	0.59	2.30	3.88	4.56	5.11	1.92	0.97	0.56	0.80	0.58	
28	0.27	0.64	0.49	2.48	3.92	4.64	4.99	1.96	0.95	0.58	0.78	0.65	
29	0.38	0.57	0.45	2.46	4.03	4.85	4.86	1.98	0.78	0.82		0.63	
30	0.37	0.39	0.38	2.23	4.13	5.12	4.69	1.92	0.67	0.69		0.64	
31		0.45		1.98	4.19		4.48		0.65	0.79		0.64	
Mean	0.53	0.69	0.49	0.93	2.93	4.30	5.50	2.69	1.20	0.69	0.72	0.70	
Max	0.75	1.39	0.70	2.48	4.19	5.12	5.79	4.34	1.81	0.95	0.90	0.88	5.79
Min	0.27	0.36	0.35	0.20	1.65	3.70	4.48	1.72	0.65	0.43	0.57	0.58	0.20
Annual Max Momentary Gage Height	5.80		m. (MSL.) ,			at 17.00 Hours , on Oct 14, 2022							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed -9.25	m. (MSL.)						
Left Bank Elevation	5.06		m. (MSL.) ,										
Right Bank Elevation	6.01		m. (MSL.) ,			Drainage Area	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	132.58	141.40	138.46	113.45	417.67	1091.71	1458.54	1130.53	420.05	175.30	192.40	194.30	
2	134.05	145.82	135.52	147.29	412.91	1111.12	1493.05	1066.37	420.05	184.80	169.60	205.70	
3	126.69	128.16	147.29	154.64	391.50	1098.18	1522.79	1006.62	422.49	194.30	173.40	215.20	
4	157.59	126.69	141.40	141.40	384.36	1050.65	1548.82	962.59	405.78	198.10	175.30	200.00	
5	175.30	144.35	125.22	148.76	398.64	994.04	1571.13	930.34	410.53	188.60	171.50	177.20	
6	181.00	159.06	129.63	126.69	437.14	953.62	1578.56	892.50	391.50	171.50	171.50	175.30	
7	184.80	179.10	126.69	117.86	459.11	939.07	1589.72	851.76	370.09	171.50	160.53	171.50	
8	190.50	184.80	125.22	116.39	473.76	930.34	1597.15	819.97	343.91	162.00	162.00	169.60	
9	182.90	171.50	126.69	131.10	483.52	933.25	1604.59	794.03	322.71	179.10	173.40	165.80	
10	177.20	179.10	131.10	117.86	507.94	965.73	1615.74	765.21	311.85	171.50	175.30	175.30	
11	159.06	175.30	134.05	111.98	566.05	1006.62	1626.90	733.51	307.50	160.53	165.80	181.00	
12	142.87	162.00	151.70	116.39	619.48	1053.79	1626.90	711.50	305.33	163.90	165.80	175.30	
13	128.16	135.52	148.76	103.15	619.48	1107.89	1630.61	681.73	287.96	156.12	162.00	171.50	
14	117.86	136.99	154.64	128.16	716.91	1137.00	1634.33	654.67	266.24	139.93	157.59	190.50	
15	117.86	142.87	167.70	171.50	730.62	1159.65	1630.61	624.89	248.86	136.99	194.30	207.60	
16	126.69	139.93	162.00	177.20	753.68	1169.36	1626.90	596.58	224.70	138.46	209.50	205.70	
17	139.93	141.40	169.60	186.70	768.09	1169.36	1626.90	576.22	219.00	162.00	219.00	203.80	
18	169.60	181.00	177.20	194.30	808.44	1166.12	1619.46	548.23	211.40	200.00	192.40	198.10	
19	188.60	200.00	171.50	207.60	845.94	1175.83	1612.02	507.94	224.70	186.70	179.10	182.90	
20	165.80	220.90	151.70	211.40	863.40	1179.06	1604.59	471.32	226.60	190.50	198.10	173.40	
21	186.70	232.30	153.17	228.50	889.59	1175.83	1589.72	429.82	230.40	196.20	215.20	165.80	
22	190.50	266.24	141.40	226.60	918.70	1166.12	1567.41	420.05	228.50	205.70	209.50	167.70	
23	188.60	300.99	135.52	253.20	921.61	1169.36	1548.82	401.02	248.86	205.70	196.20	169.60	
24	177.20	322.71	147.29	298.82	927.43	1162.89	1515.36	401.02	253.20	196.20	184.80	167.70	
25	157.59	305.33	153.17	374.84	944.89	1175.83	1479.07	412.91	242.34	207.60	198.10	167.70	
26	139.93	248.86	181.00	478.64	962.59	1188.77	1434.60	432.26	242.34	228.50	209.50	169.60	
27	119.33	194.30	160.53	543.15	984.60	1201.71	1390.13	449.35	232.30	156.12	200.00	159.06	</

WATER YEAR : 2022**CHAO PHRAYA RIVER BASIN****Khlong Bang Luang at Ban Bang Luang Dod, Phra Nakhon Si Ayutthaya (C.36)**

Lat 14 - 24 - 57 N Long 100 - 26 - 27 E

Location : on right bank at the bridge.

	Ban	Bang Luang Dod	Amphoe	Bang Ban	Changwat	Phra Nakhon Si Ayutthaya
Drainage Area	Flood Plain					
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the top staff gage				Elevation	+7.802 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1982 to date					
Rating Operation						
Period of Rating	1983 to date					
Rated by 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 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

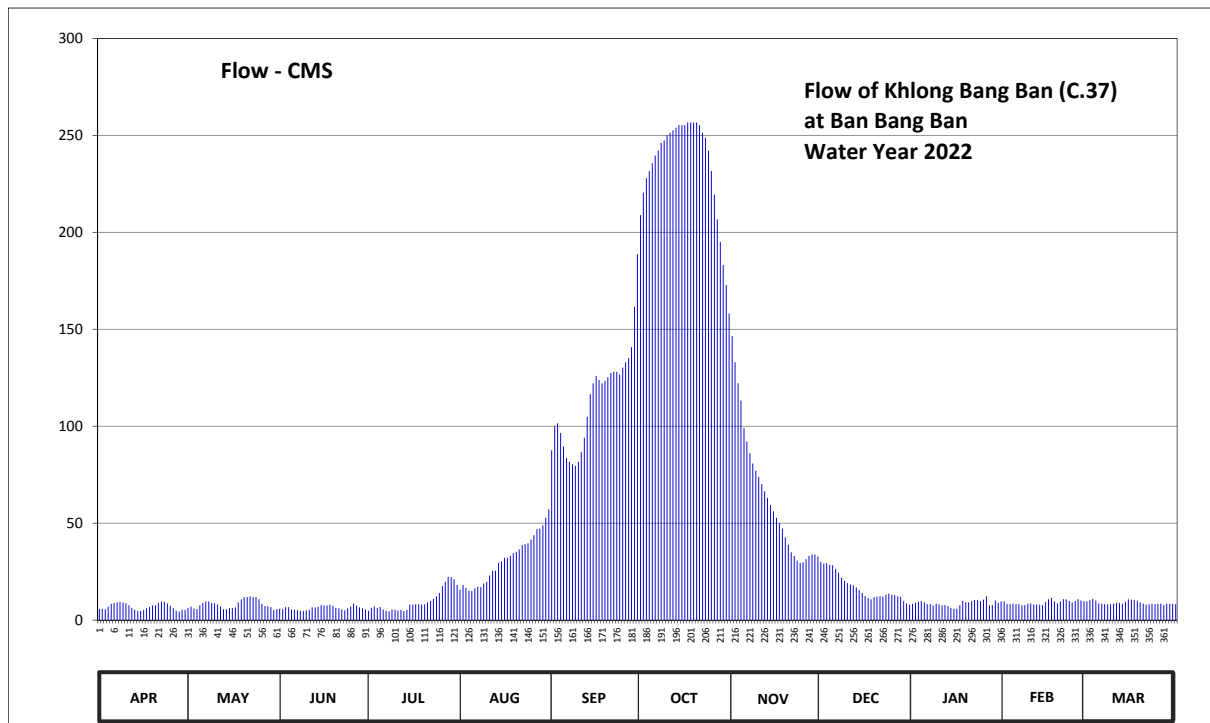
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.45	0.52	0.55	0.36	2.50	5.49	6.74	5.77	2.43	0.76	0.94	0.94	
2	0.47	0.55	0.50	0.55	2.34	5.58	6.81	5.56	2.40	0.79	0.82	0.99	
3	0.43	0.43	0.57	0.60	2.22	5.57	6.86	5.34	2.46	0.85	0.82	1.03	
4	0.59	0.44	0.55	0.53	2.23	5.38	6.88	5.17	2.43	0.87	0.83	0.97	
5	0.71	0.62	0.43	0.58	2.36	5.15	6.89	5.03	2.39	0.82	0.81	0.84	
6	0.75	0.75	0.45	0.44	2.60	4.98	6.91	4.87	2.23	0.74	0.81	0.83	
7	0.77	0.81	0.46	0.36	2.70	4.87	6.94	4.71	2.09	0.74	0.76	0.81	
8	0.79	0.83	0.43	0.32	2.82	4.81	6.97	4.57	1.92	0.68	0.77	0.81	
9	0.76	0.76	0.44	0.43	2.82	4.80	6.99	4.41	1.76	0.76	0.82	0.80	
10	0.73	0.75	0.44	0.35	2.90	4.89	7.00	4.28	1.65	0.74	0.85	0.84	
11	0.63	0.72	0.47	0.32	3.18	5.07	7.01	4.15	1.59	0.68	0.80	0.88	
12	0.52	0.61	0.60	0.36	3.47	5.28	7.01	4.02	1.54	0.73	0.81	0.86	
13	0.41	0.46	0.59	0.27	3.49	5.51	7.03	3.88	1.47	0.74	0.79	0.83	
14	0.34	0.46	0.63	0.42	3.69	5.64	7.03	3.75	1.39	0.63	0.75	0.91	
15	0.31	0.52	0.73	0.70	3.92	5.79	7.03	3.61	1.30	0.60	0.93	1.02	
16	0.39	0.51	0.71	0.78	4.09	5.87	7.04	3.50	1.13	0.60	1.02	1.01	
17	0.50	0.53	0.74	0.87	4.16	5.87	7.03	3.40	1.04	0.76	1.07	1.00	
18	0.55	0.77	0.80	0.94	4.33	5.85	7.02	3.25	0.99	0.95	0.95	0.98	
19	0.63	0.90	0.77	1.09	4.54	5.87	7.01	3.04	1.06	0.91	0.87	0.89	
20	0.64	1.02	0.65	1.15	4.66	5.90	7.02	2.85	1.08	0.91	0.95	0.84	
21	0.76	1.08	0.65	1.19	4.79	5.91	7.00	2.64	1.10	0.96	1.04	0.79	
22	0.81	1.34	0.57	1.17	4.88	5.90	6.96	2.51	1.07	1.00	1.02	0.80	
23	0.79	1.70	0.50	1.36	4.89	5.90	6.93	2.39	1.15	1.00	0.97	0.82	
24	0.72	1.93	0.59	1.75	4.89	5.88	6.87	2.29	1.17	0.96	0.92	0.81	
25	0.62	1.87	0.63	2.23	4.94	5.91	6.77	2.31	1.14	1.00	0.96	0.81	
26	0.49	1.55	0.77	2.91	4.97	5.94	6.61	2.42	1.12	1.13	1.02	0.82	
27	0.36	1.07	0.68	3.30	5.02	5.97	6.48	2.56	1.08	0.77	0.97	0.74	
28	0.30	0.79	0.56	3.50	5.06	6.08	6.34	2.63	1.06	0.76	0.94	0.81	
29	0.42	0.74	0.52	3.43	5.19	6.34	6.19	2.64	0.91	0.97		0.79	
30	0.41	0.55	0.45	3.12	5.31	6.59	6.07	2.56	0.79	0.86		0.80	
31		0.56		2.80	5.43		5.92		0.73	0.94		0.78	
Mean	0.57	0.84	0.58	1.23	3.88	5.62	6.82	3.67	1.47	0.83	0.89	0.87	
Max	0.81	1.93	0.80	3.50	5.43	6.59	7.04	5.77	2.46	1.13	1.07	1.03	7.04
Min	0.30	0.43	0.43	0.27	2.22	4.80	5.92	2.29	0.73	0.60	0.75	0.74	0.27
Annual Max Momentary Gage Height	7.04		m. (MSL.) ,			at 19.00 Hours , on Oct 14, 2022							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,		River Bed	-5.55	m. (MSL.)						
Left Bank Elevation	7.43		m. (MSL.) ,										
Right Bank Elevation	7.79		m. (MSL.) ,		Drainage Area		Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	31.55	34.58	35.88	28.03	166.06	582.33	884.23	639.97	160.12	44.99	53.89	53.89	
2	32.42	35.88	33.72	35.88	152.48	600.86	904.61	596.74	157.57	46.29	47.74	56.45	
3	30.68	30.68	36.75	38.05	142.30	598.80	919.17	552.76	162.66	49.28	47.74	58.74	
4	37.62	31.11	35.88	35.02	143.15	560.13	924.99	521.45	160.12	50.30	48.26	55.42	
5	42.82	38.92	30.68	37.18	154.18	517.77	927.90	495.67	156.72	47.74	47.23	48.77	
6	44.55	44.55	31.55	31.11	174.54	486.77	933.72	468.20	143.15	44.12	47.23	48.26	
7	45.42	47.23	31.98	28.03	184.63	468.20	942.45	441.20	131.54	44.12	44.99	47.23	
8	46.29	48.26	30.68	26.68	196.73	458.07	951.19	418.07	117.53	41.52	45.42	47.23	
9	44.99	44.99	31.11	30.68	196.73	456.39	957.01	393.72	104.95	44.99	47.74	46.72	
10	43.69	44.55	31.11	27.69	204.80	471.58	959.92	373.93	97.56	44.12	49.28	48.77	
11	39.35	43.25	32.42	26.68	235.00	503.03	962.99	355.20	93.52	41.52	46.72	50.82	
12	34.58	38.48	38.05	28.03	268.27	541.71	962.99	338.13	90.16	43.69	47.23	49.79	
13	29.81	31.98	37.62	24.99	270.75	586.45	969.13	319.74	85.46	44.12	46.29	48.26	
14	27.35	31.98	39.35	30.25	295.58	613.21	969.13	303.03	80.16	39.35	44.55	52.35	
15	26.34	34.58	43.69	42.39	325.00	644.08	969.13	285.65	74.80	38.05	53.38	58.15	
16	29.04	34.15	42.82	45.85	347.32	662.22	972.20	272.00	64.69	38.05	58.15	57.56	
17	33.72	35.02	44.12	50.30	356.51	662.22	969.13	259.58	59.34	44.99	61.12	56.96	
18	35.88	45.42	46.72	53.89	381.54	657.63	966.06	242.82	56.45	54.40	54.40	55.94	
19	39.35	51.84	45.42	62.31	413.50	662.22	962.99	219.35	60.53	52.35	50.30	51.33	
20	39.78	58.15	40.22	65.88	432.76	669.12	966.06	199.75	61.72	52.35	54.40	48.77	
21	44.99	61.72	40.22	68.26	454.70	671.42	959.92	178.57	62.91	54.91	59.34	46.29	
22	47.23	77.18	36.75	67.07	469.89	669.12	948.28	166.90	61.12	56.96	58.15	46.72	
23	46.29	100.92	33.72	78.37	471.58	669.12	939.54	156.72	65.88	56.96	55.42	47.74	
24	43.25	118.35	37.62	104.28	471.58	664.52	922.08	148.24	67.07	54.91	52.86	47.23	
25	38.92	113.41	39.35	143.15	480.01	671.42	892.97	149.93	65.29	56.96	54.91	47.23	
26	33.28	90.83	45.42	205.80	485.08	678.31	846.39	159.27	64.10	64.69	58.15	47.74	
27	28.03	61.12	41.52	248.41	493.82	685.20	811.85	171.15	61.72	45.42	55.42	44.12	
28	26.00	46.29	36.32	272.00	501.19	710.48	774.95	177.57	60.53	44.99	53.89	47.23	
29	30.25	44.12	34.58	263.31	525.13	774.95	735.75	178.57	52.35	5			

Lat 14 - 21 - 47 N Long 100 - 29 - 05 E

	Ban	Bang Ban	Amphoe	Bang Ban	Changwat	Phra Nakhon Si Ayutthaya
Drainage Area	Flood Plain					
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the top staff gage				Elevation	+8.035 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1982 to date					
Rating Operation						
Period of Rating	1983 to date					
Rated by 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 10 discharge measurements made in 2022.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.43	0.49	0.44	0.30	1.25	3.72	5.41	4.72	2.01	0.69	0.81	0.81	
2	0.44	0.55	0.42	0.49	1.39	3.97	5.52	4.53	1.97	0.75	0.68	0.86	
3	0.41	0.45	0.52	0.56	1.31	4.00	5.59	4.37	1.98	0.80	0.68	0.91	
4	0.55	0.43	0.52	0.49	1.22	3.90	5.62	4.21	1.94	0.82	0.69	0.85	
5	0.69	0.61	0.39	0.53	1.21	3.76	5.65	3.95	1.93	0.77	0.68	0.71	
6	0.73	0.74	0.38	0.39	1.29	3.64	5.68	3.81	1.84	0.68	0.68	0.70	
7	0.77	0.81	0.35	0.30	1.34	3.60	5.70	3.69	1.74	0.68	0.62	0.68	
8	0.79	0.81	0.31	0.27	1.33	3.57	5.73	3.58	1.62	0.61	0.63	0.67	
9	0.76	0.73	0.30	0.40	1.44	3.55	5.74	3.49	1.52	0.70	0.69	0.66	
10	0.72	0.72	0.34	0.38	1.49	3.60	5.76	3.41	1.45	0.67	0.71	0.70	
11	0.62	0.66	0.37	0.33	1.67	3.70	5.77	3.32	1.41	0.61	0.66	0.75	
12	0.49	0.55	0.51	0.37	1.79	3.85	5.78	3.23	1.38	0.63	0.66	0.73	
13	0.38	0.41	0.50	0.28	1.79	4.06	5.79	3.14	1.32	0.58	0.65	0.70	
14	0.30	0.41	0.54	0.37	1.99	4.27	5.80	3.04	1.24	0.47	0.62	0.79	
15	0.29	0.47	0.63	0.65	2.02	4.37	5.80	2.95	1.14	0.44	0.79	0.89	
16	0.37	0.48	0.61	0.65	2.10	4.43	5.80	2.86	1.02	0.45	0.89	0.88	
17	0.46	0.50	0.61	0.67	2.10	4.40	5.81	2.78	0.94	0.62	0.94	0.87	
18	0.53	0.77	0.65	0.67	2.14	4.37	5.81	2.68	0.89	0.83	0.81	0.84	
19	0.61	0.89	0.59	0.65	2.20	4.39	5.81	2.52	0.98	0.77	0.71	0.76	
20	0.62	0.97	0.48	0.66	2.23	4.42	5.81	2.38	1.00	0.77	0.81	0.70	
21	0.74	0.98	0.46	0.77	2.28	4.45	5.80	2.22	1.01	0.82	0.90	0.65	
22	0.81	1.00	0.40	0.83	2.37	4.46	5.77	2.14	0.99	0.86	0.89	0.67	
23	0.79	0.98	0.34	0.91	2.39	4.46	5.75	2.04	1.07	0.86	0.83	0.69	
24	0.71	0.98	0.46	1.01	2.41	4.44	5.70	1.99	1.11	0.82	0.77	0.68	
25	0.59	0.89	0.55	1.13	2.48	4.49	5.62	2.00	1.06	0.88	0.83	0.69	
26	0.46	0.69	0.70	1.36	2.56	4.53	5.51	2.07	1.05	1.01	0.90	0.70	
27	0.32	0.58	0.60	1.49	2.67	4.56	5.39	2.14	1.01	0.62	0.85	0.63	
28	0.25	0.57	0.51	1.64	2.68	4.64	5.28	2.17	0.99	0.62	0.82	0.70	
29	0.39	0.52	0.46	1.63	2.74	4.91	5.16	2.17	0.82	0.85		0.69	
30	0.37	0.35	0.39	1.57	2.86	5.22	5.04	2.13	0.71	0.74		0.69	
31		0.42		1.39	2.98		4.87		0.65	0.81		0.68	
Mean	0.55	0.66	0.48	0.75	1.99	4.19	5.62	2.99	1.28	0.72	0.76	0.74	
Max	0.81	1.00	0.70	1.64	2.98	5.22	5.81	4.72	2.01	1.01	0.94	0.91	



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	5.77	6.38	5.87	4.74	15.68	87.58	208.86	146.45	30.00	8.39	9.62	9.62		
2	5.87	6.98	5.67	6.38	18.03	100.00	220.51	133.03	29.15	8.99	8.28	10.29		
3	5.57	5.97	6.68	7.08	16.69	101.49	227.92	122.16	29.35	9.49	8.28	10.96		
4	6.98	5.77	6.68	6.38	15.18	96.52	231.62	113.22	28.53	9.76	8.39	10.16		
5	8.39	7.58	5.40	6.78	15.01	89.57	235.57	99.01	28.33	9.19	8.28	8.59		
6	8.79	8.89	5.33	5.40	16.35	83.61	239.52	92.05	26.48	8.28	8.28	8.49		
7	9.19	9.62	5.11	4.74	17.19	81.62	242.16	86.09	24.43	8.28	7.68	8.28		
8	9.39	9.62	4.82	4.52	17.02	80.39	246.11	80.80	21.97	7.58	7.78	8.18		
9	9.09	8.79	4.74	5.47	18.87	79.57	247.43	77.10	20.22	8.49	8.39	8.08		
10	8.69	8.69	5.03	5.33	19.71	81.62	250.07	73.81	19.04	8.18	8.59	8.49		
11	7.68	8.08	5.25	4.96	23.00	86.59	251.39	70.11	18.37	7.58	8.08	8.99		
12	6.38	6.98	6.58	5.25	25.46	94.04	252.70	66.41	17.86	7.78	8.08	8.79		
13	5.33	5.57	6.48	4.60	25.46	104.84	254.02	63.00	16.86	7.28	7.98	8.49		
14	4.74	5.57	6.88	5.25	29.56	116.58	255.34	59.36	15.51	6.17	7.68	9.39		
15	4.67	6.17	7.78	7.98	30.24	122.16	255.34	56.08	14.04	5.87	9.39	10.69		
16	5.25	6.27	7.58	7.98	32.15	125.96	255.34	52.80	12.43	5.97	10.69	10.56		
17	6.07	6.48	7.58	8.18	32.15	123.84	256.66	50.06	11.36	7.68	11.36	10.43		
18	6.78	9.19	7.98	8.18	33.11	122.16	256.66	47.23	10.69	9.89	9.62	10.03		
19	7.58	10.69	7.38	7.98	34.55	123.28	256.66	42.72	11.90	9.19	8.59	9.09		
20	7.68	11.76	6.27	8.08	35.26	125.25	256.66	38.85	12.17	9.19	9.62	8.49		
21	8.89	11.90	6.07	9.19	36.46	127.37	255.34	35.02	12.30	9.76	10.83	7.98		
22	9.62	12.17	5.47	9.89	38.61	128.08	251.39	33.11	12.03	10.29	10.69	8.18		
23	9.39	11.90	5.03	10.96	39.09	128.08	248.75	30.72	13.10	10.29	9.89	8.39		
24	8.59	11.90	6.07	12.30	39.61	126.67	242.16	29.56	13.64	9.76	9.19	8.28		
25	7.38	10.69	6.98	13.90	41.59	130.20	231.62	29.76	12.97	10.56	9.89	8.39		
26	6.07	8.39	8.49	17.53	43.85	133.03	219.45	31.44	12.83	12.30	10.83	8.49		
27	4.89	7.28	7.48	19.71	46.95	135.14	206.74	33.11	12.30	7.68	10.16	7.78		
28	4.38	7.18	6.58	22.38	47.23	140.80	195.09	33.83	12.03	7.68	9.76	8.49		
29	5.40	6.68	6.07	22.18	48.93	161.59	183.17	33.83	9.76	10.16		8.39		
30	5.25	5.11	5.40	21.06	52.80	188.74	172.81	32.87	8.59	8.89		8.39		
31		5.67		18.03	57.17		158.14		7.98	9.62		8.28		
Total	209.75	253.92	188.73	302.39	962.96	3426.37	7265.20	1893.59	526.22	270.22	255.90	277.13	15832.38	CMSDAY
Mean	6.99	8.19	6.29	9.75	31.06	114.21	234.36	63.12	16.97	8.72	9.14	8.94	43.38	CMS
Max	9.62	12.17	8.49	22.38	57.17	188.74	256.66	146.45	30.00	12.30	11.36	10.96	256.66	CMS
Min	4.38	5.11	4.74	4.52	15.01	79.57	158.14	29.56	7.98	5.87	7.68	7.78	4.38	CMS
Runoff	18.12	21.94	16.31	26.13	83.20	296.04	627.71	163.61	45.47	23.35	22.11	23.94	1367.92	MCM
Momentary Peak	257.98	CMS. at 5.82 m. (MSL.) at 20.00 Hours , on Oct 17, 2022												
Runoff Yield	*****	Liters/Second/Square KM.			Momentary Peak Yield			*****	Liters/Second/Square KM.					

WATER YEAR : 2022**CHAO PHRAYA RIVER BASIN****Chao Phraya River at Ban In Buri, Sing Buri (C.44)**

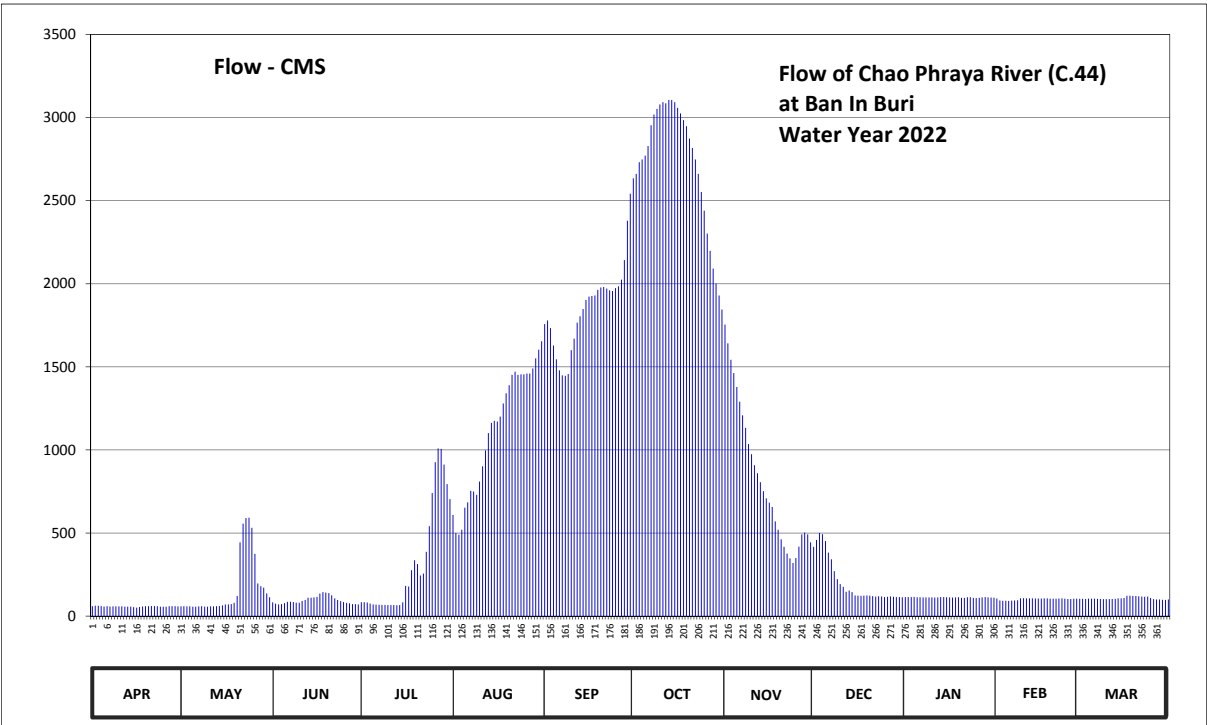
Lat 15 - 00 - 21 N Long 100 - 19 - 51 E

Location : on right bank at the bridge

	Ban	In Buri	Amphoe	In Buri	Changwat	Sing Buri
Drainge Area	116,835	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the gage site				Elevation	+13.856 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2005 to date					
Rating Operation						
Period of Rating	2005 to date					
Rated by Float	-					
Rated by Current Meter	2005 to date					
Stability of Channel Regimes	Fairly stable					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 27 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.54	3.53	3.87	3.88	7.69	12.38	14.60	12.37	6.63	4.24	4.14	4.12	
2	3.59	3.55	3.76	3.88	7.12	12.45	14.65	12.00	6.88	4.24	4.02	4.12	
3	3.60	3.53	3.70	3.85	7.06	12.30	14.78	11.64	7.12	4.24	3.99	4.11	
4	3.56	3.53	3.72	3.76	7.23	11.95	14.81	11.35	7.08	4.25	3.99	4.13	
5	3.52	3.50	3.80	3.70	7.91	11.65	14.85	11.04	6.84	4.23	3.98	4.13	
6	3.55	3.50	3.91	3.68	8.07	11.41	14.95	10.70	6.42	4.23	4.01	4.13	
7	3.51	3.53	3.92	3.67	8.42	11.30	15.17	10.37	6.15	4.22	4.02	4.12	
8	3.53	3.54	3.89	3.66	8.40	11.29	15.27	10.07	5.64	4.22	4.03	4.11	
9	3.53	3.50	3.84	3.66	8.30	11.33	15.32	9.67	5.27	4.22	4.15	4.10	
10	3.53	3.50	3.84	3.64	8.68	11.85	15.36	9.41	5.01	4.22	4.17	4.10	
11	3.53	3.53	3.98	3.64	9.09	12.09	15.38	9.12	4.86	4.21	4.15	4.10	
12	3.50	3.53	4.05	3.64	9.51	12.41	15.37	8.91	4.57	4.22	4.15	4.11	
13	3.50	3.55	4.20	3.63	9.94	12.53	15.40	8.66	4.65	4.24	4.15	4.12	
14	3.50	3.57	4.20	3.64	10.19	12.67	15.40	8.41	4.55	4.24	4.14	4.15	
15	3.45	3.62	4.22	3.86	10.24	12.84	15.38	8.19	4.35	4.23	4.14	4.15	
16	3.41	3.70	4.25	4.91	10.22	12.90	15.33	8.06	4.34	4.22	4.14	4.18	
17	3.47	3.70	4.47	4.88	10.34	12.91	15.28	7.93	4.32	4.21	4.15	4.32	
18	3.52	3.73	4.55	5.68	10.66	12.92	15.22	7.49	4.33	4.22	4.15	4.33	
19	3.55	3.83	4.52	6.11	10.90	13.02	15.16	7.23	4.35	4.23	4.13	4.31	
20	3.55	4.31	4.49	5.95	11.08	13.06	15.03	6.90	4.34	4.19	4.13	4.31	
21	3.57	6.80	4.36	5.44	11.31	13.07	14.93	6.63	4.30	4.19	4.13	4.29	
22	3.57	7.42	4.16	5.53	11.38	13.04	14.81	6.38	4.27	4.23	4.14	4.27	
23	3.55	7.60	4.05	6.45	11.31	13.01	14.65	6.19	4.29	4.23	4.15	4.26	
24	3.50	7.61	3.97	7.34	11.32	13.00	14.45	6.00	4.28	4.19	4.13	4.27	
25	3.50	7.29	3.89	8.35	11.32	13.05	14.20	6.20	4.24	4.18	4.11	4.18	
26	3.50	6.37	3.83	9.20	11.34	13.08	13.88	6.64	4.26	4.19	4.11	4.10	
27	3.55	5.04	3.79	9.56	11.34	13.20	13.64	7.07	4.28	4.22	4.13	4.08	
28	3.55	4.90	3.73	9.55	11.45	13.50	13.37	7.13	4.26	4.24	4.13	4.08	
29	3.54	4.82	3.73	9.14	11.67	14.06	13.13	7.07	4.24	4.22		4.06	
30	3.53	4.48	3.70	8.61	11.86	14.43	12.92	6.80	4.24	4.21		4.05	
31		4.23		8.17	12.04		12.66		4.23	4.20		4.08	
Mean	3.53	4.48	4.01	5.51	9.92	12.62	14.69	8.52	4.99	4.22	4.11	4.16	
Max	3.60	7.61	4.55	9.56	12.04	14.43	15.40	12.37	7.12	4.25	4.17	4.33	15.40
Min	3.41	3.50	3.70	3.63	7.06	11.29	12.66	6.00	4.23	4.18	3.98	4.05	3.41
Annual Max Momentary Gage Height	15.41		m. (MSL.) ,			at 21.00 Hours , on Oct 13, 2022							
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	2.46	m. (MSL.)					
Left Bank Elevation		16.00	m. (MSL.) ,										
Right Bank Elevation		15.84	m. (MSL.) ,			Drainage Are	116,835	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	59.14	58.51	83.01	83.75	608.38	1756.85	2633.57	1753.82	416.40	114.51	105.41	103.59		
2	62.29	59.77	74.82	83.75	500.33	1778.60	2660.71	1641.86	458.10	114.51	94.50	103.59		
3	62.92	58.51	70.36	81.52	489.77	1732.64	2731.26	1542.51	500.33	114.51	91.94	102.69		
4	60.40	58.51	71.85	74.82	520.10	1628.06	2747.84	1462.43	493.29	115.42	91.94	104.50		
5	57.88	56.62	77.80	70.36	652.34	1545.27	2770.75	1378.40	451.07	113.60	91.19	104.50		
6	59.77	56.62	85.98	68.87	684.25	1479.00	2828.02	1289.71	382.26	113.60	93.59	104.50		
7	57.25	58.51	86.73	68.13	754.18	1448.62	2954.02	1207.89	341.97	112.69	94.50	103.59		
8	58.51	59.14	84.50	67.38	749.92	1445.86	3018.32	1133.39	270.80	112.69	95.41	102.69		
9	58.51	56.62	80.78	67.38	730.02	1456.90	3051.98	1035.15	222.77	112.69	106.32	101.78		
10	58.51	56.62	80.78	65.90	809.51	1600.46	3078.91	974.16	192.63	112.69	108.14	101.78		
11	58.51	58.51	91.19	65.90	900.77	1669.09	3092.38	907.57	175.97	111.78	106.32	101.78		
12	56.62	58.51	97.23	65.90	997.23	1766.04	3085.64	859.98	146.16	112.69	106.32	102.69		
13	56.62	59.77	110.87	65.15	1101.30	1803.73	3105.84	805.26	154.21	114.51	106.32	103.59		
14	56.62	61.03	110.87	65.90	1163.19	1847.70	3105.84	752.05	144.15	114.51	105.41	106.32		
15	53.47	64.41	112.69	82.26	1175.60	1902.15	3092.38	708.13	124.51	113.60	105.41	106.32		
16	50.95	70.36	115.42	181.52	1170.64	1922.57	3058.72	682.26	123.60	112.69	105.41	109.05		
17	54.73	70.36	136.10	178.19	1200.44	1925.98	3025.06	656.33	121.78	111.78	106.32	121.78		
18	57.88	72.59	144.15	276.24	1279.79	1929.38	2984.66	569.50	122.69	112.69	106.32	122.69		
19	59.77	80.03	141.13	336.04	1341.13	1963.42	2948.29	520.10	124.51	113.60	104.50	120.88		
20	59.77	120.88	138.11	312.94	1389.05	1977.04	2873.84	461.62	123.60	109.96	104.50	120.88		
21	61.03	444.03	125.42	244.71	1451.38	1980.45	2816.56	416.40	119.97	109.96	104.50	119.06		
22	61.03	556.20	107.23	256.33	1470.71	1970.23	2747.84	376.05	117.24	113.60	105.41	117.24		
23	59.77	590.40	97.23	387.14	1451.38	1960.02	2660.71	347.89	119.06	113.60	106.32	116.33		
24	56.62	592.40	90.45	541.00	1454.14	1956.62	2552.17	319.74	118.15	109.96	104.50	117.24		
25	56.62	531.50	84.50	739.97	1454.14	1973.64	2439.04	349.38	114.51	109.05	102.69	109.05		
26	56.62	374.57	80.03	925.70	1459.67	1983.85	2301.37	418.02	116.33	109.96	102.69	101.78		
27	59.77	195.96	77.06	1008.77	1459.67	2024.70	2198.02	491.53	118.15	112.69	104.50	99.96		
28	59.77	180.41	72.59	1006.46	1490.04	2141.77	2091.04	502.09	116.33	114.51	104.50	99.96		
29	59.14	171.52	72.59	912.10	1550.79	2378.85	2000.87	491.53	114.51	112.69		98.14		
30	58.51	137.11	70.36	794.61	1603.22	2541.31	1929.38	444.03	114.51	111.78		97.23		
31		113.60		704.15	1653.96		1844.56		113.60	110.87		99.96		
Total	1749.00	5183.58	2871.83	9882.84	34717.04	55490.80	84429.59	24498.78	6373.16	3493.39	2864.88	3325.14	234880.03	CMSDAY
Mean	58.30	167.21	95.73	318.80	1119.90	1849.69	2723.54	816.63	205.59	112.69	102.32	107.26	643.51	CMS
Max	62.92	592.40	144.15	1008.77	1653.96	2541.31	3105.84	1753.82	500.33	115.42	108.14	122.69	3105.84	CMS
Min	50.95	56.62	70.36	65.15	489.77	1445.86	1844.56	319.74	113.60	109.05	91.19	97.23	50.95	CMS
Runoff	151.11	447.86	248.13	853.88	2999.55	4794.41	7294.72	2116.69	550.64	301.83	247.53	287.29	20293.63	MCM
Momentary Peak	3112.57 CMS. at 15.41 m. (MSL.) at 21.00 Hours , on Oct 13, 2022													
Runoff Yield	5.51 Liters/Second/Square KM.			Momentary Peak Yield			26.64 Liters/Second/Square KM.							

WATER YEAR : 2022**CHAO PHRAYA RIVER BASIN****Chao Phraya River at Ban Bang Nam Chieo, Sing Buri (C.45)**

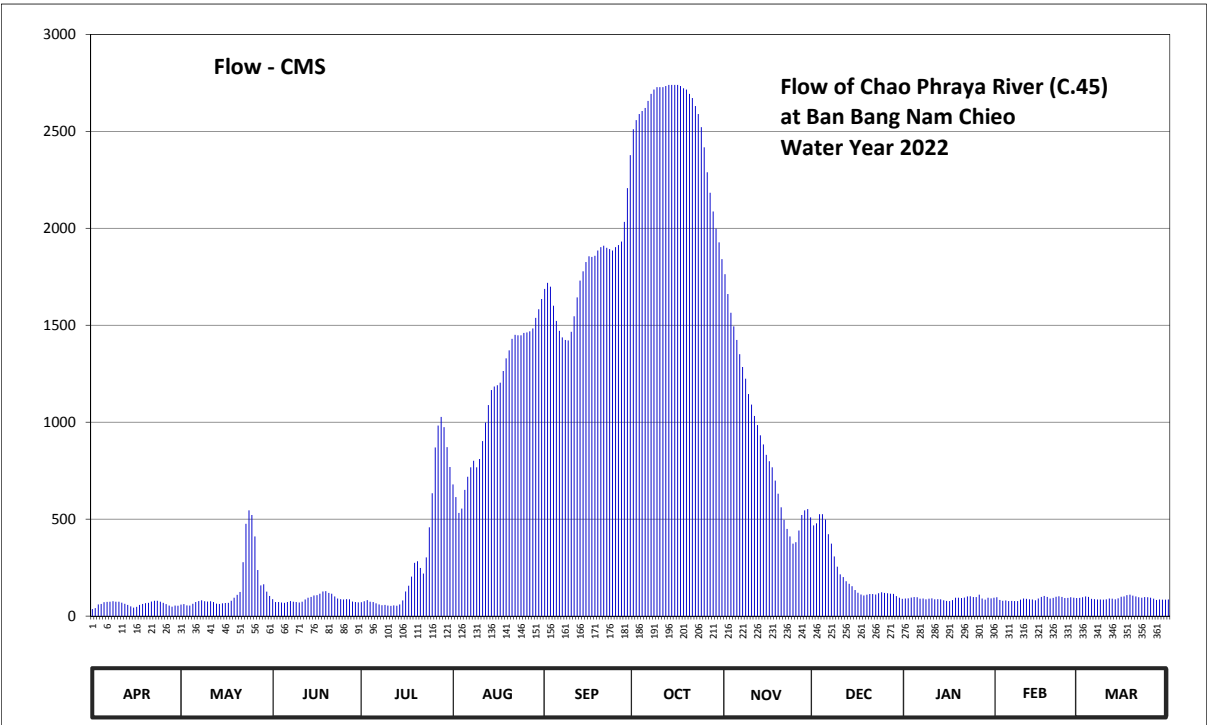
Lat 14 - 47 - 28 N Long 100 - 27 - 06 E

Location : on left bank at Ban Bang Nam Chieo

	Ban	Bang Nam Chieo	Amphoe	Prom Buri	Changwat	Sing Buri
Drainge Area	Flood Plain					
Type of Gage	Staff gage.					
Zero Gage at Bottom	+0.000 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site				Elevation	+10.460 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	2012 to date					
Rating Operation						
Period of Rating	2012 to date					
Rated by Float	-					
Rated by Current Meter	2012 to date					
Stability of Channel Regimes	Fairly stable					
Overbank Flow Conditions	Overbank flow starts at elevation + 10.380 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 25 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.32	0.62	0.93	0.77	4.32	8.60	10.84	8.86	3.34	0.96	1.02	0.99	
2	0.40	0.65	0.78	0.82	4.02	8.71	10.93	8.51	3.39	0.97	0.89	1.02	
3	0.63	0.57	0.78	0.88	3.65	8.64	10.99	8.15	3.62	1.01	0.85	1.06	
4	0.66	0.56	0.75	0.80	3.75	8.29	11.02	7.88	3.62	1.03	0.86	1.04	
5	0.77	0.67	0.73	0.78	4.19	7.99	11.05	7.61	3.49	1.02	0.83	0.94	
6	0.79	0.78	0.78	0.70	4.50	7.79	11.12	7.31	3.11	0.95	0.84	0.93	
7	0.80	0.83	0.83	0.63	4.72	7.66	11.19	7.02	2.86	0.96	0.83	0.91	
8	0.82	0.87	0.80	0.58	4.87	7.61	11.23	6.75	2.50	0.92	0.83	0.91	
9	0.80	0.82	0.78	0.60	4.72	7.60	11.25	6.40	2.19	0.95	0.90	0.90	
10	0.80	0.81	0.75	0.56	4.91	7.77	11.25	6.16	1.94	0.97	0.96	0.92	
11	0.74	0.82	0.80	0.54	5.31	8.08	11.25	5.90	1.84	0.92	0.94	0.96	
12	0.67	0.78	0.91	0.57	5.75	8.45	11.26	5.69	1.69	0.93	0.92	0.95	
13	0.60	0.68	1.00	0.55	6.15	8.75	11.27	5.45	1.60	0.92	0.91	0.92	
14	0.51	0.66	1.04	0.63	6.49	8.91	11.27	5.23	1.50	0.87	0.87	0.97	
15	0.43	0.70	1.11	0.86	6.57	9.07	11.27	5.00	1.35	0.84	0.96	1.05	
16	0.48	0.72	1.13	1.29	6.60	9.17	11.27	4.86	1.24	0.83	1.04	1.06	
17	0.60	0.73	1.20	1.52	6.66	9.16	11.26	4.72	1.16	0.88	1.09	1.13	
18	0.66	0.85	1.29	1.86	6.93	9.18	11.24	4.41	1.11	1.00	1.04	1.15	
19	0.71	1.00	1.30	2.31	7.22	9.26	11.23	4.10	1.15	1.00	0.96	1.10	
20	0.73	1.14	1.23	2.36	7.39	9.31	11.19	3.78	1.18	0.98	0.99	1.06	
21	0.81	1.27	1.20	2.15	7.63	9.33	11.15	3.48	1.18	1.01	1.05	1.02	
22	0.85	2.33	1.06	1.97	7.71	9.30	11.07	3.25	1.16	1.06	1.07	1.00	
23	0.85	3.38	0.96	2.47	7.70	9.28	10.99	3.05	1.22	1.07	1.04	1.03	
24	0.80	3.71	0.93	3.29	7.70	9.26	10.86	2.86	1.26	1.03	0.98	1.02	
25	0.73	3.60	0.91	4.11	7.75	9.31	10.64	2.90	1.23	1.03	0.99	1.00	
26	0.65	3.05	0.93	5.16	7.76	9.34	10.35	3.21	1.22	1.15	1.02	0.95	
27	0.56	2.08	0.92	5.68	7.78	9.39	10.09	3.60	1.20	0.96	1.00	0.89	
28	0.49	1.53	0.81	5.88	7.84	9.68	9.83	3.71	1.19	0.90	0.98	0.91	
29	0.56	1.58	0.78	5.64	8.05	10.15	9.58	3.74	1.08	1.00		0.90	
30	0.55	1.28	0.76	5.17	8.22	10.55	9.38	3.54	1.00	0.97		0.90	
31		1.09		4.73	8.42		9.12		0.94	1.00		0.91	
Mean	0.66	1.30	0.94	2.12	6.30	8.85	10.85	5.24	1.82	0.97	0.95	0.98	
Max	0.85	3.71	1.30	5.88	8.42	10.55	11.27	8.86	3.62	1.15	1.09	1.15	11.27
Min	0.32	0.56	0.73	0.54	3.65	7.60	9.12	2.86	0.94	0.83	0.83	0.89	0.32
Annual Max Momentary Gage Height	11.32		m. (MSL.) ,				at 18.00 Hours , on Oct 15, 2022						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	-2.57	m. (MSL.)					
Left Bank Elevation	10.37		m. (MSL.) ,										
Right Bank Elevation	11.01		m. (MSL.) ,			Drainage Area		Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	36.08	59.29	87.71	71.80	679.07	1687.35	2511.42	1763.13	468.21	90.81	97.00	93.90		
2	40.95	61.79	72.63	76.36	613.73	1719.19	2558.13	1661.29	478.39	91.84	83.59	97.00		
3	60.13	55.12	72.63	82.55	532.17	1698.92	2589.27	1564.42	525.55	95.97	79.46	101.13		
4	62.63	54.29	70.13	74.30	554.23	1600.84	2604.84	1494.40	525.55	98.03	80.49	99.06		
5	71.80	63.46	68.46	72.63	650.76	1522.82	2620.40	1424.64	498.75	97.00	77.40	88.75		
6	73.47	72.63	72.63	65.96	718.57	1471.15	2656.73	1351.18	422.27	89.78	78.43	87.71		
7	74.30	77.40	77.40	60.13	767.11	1437.56	2693.06	1284.41	373.83	90.81	77.40	85.65		
8	76.36	81.52	74.30	55.96	801.21	1424.64	2715.96	1224.42	307.86	86.68	77.40	85.65		
9	74.30	76.36	72.63	57.63	767.11	1422.06	2727.77	1145.70	255.26	89.78	84.62	84.62		
10	74.30	75.33	70.13	54.29	810.61	1465.98	2727.77	1090.89	215.49	91.84	90.81	86.68		
11	69.30	76.36	74.30	52.62	902.52	1546.21	2727.77	1032.06	201.22	86.68	88.75	90.81		
12	63.46	72.63	85.65	55.12	998.61	1643.92	2733.67	985.24	179.82	87.71	86.68	89.78		
13	57.63	64.30	94.94	53.46	1088.61	1730.77	2739.58	932.76	166.98	86.68	85.65	86.68		
14	50.12	62.63	99.06	60.13	1165.94	1778.04	2739.58	885.23	154.13	81.52	81.52	91.84		
15	43.45	65.96	106.28	80.49	1183.93	1825.74	2739.58	831.76	134.85	78.43	90.81	100.09		
16	47.62	67.63	108.35	127.14	1190.68	1855.56	2739.58	798.86	120.71	77.40	99.06	101.13		
17	57.63	68.46	115.57	156.70	1204.17	1852.57	2733.67	767.11	111.44	82.55	104.22	108.35		
18	62.63	79.46	127.14	204.08	1264.47	1858.54	2721.87	698.71	106.28	94.94	99.06	110.41		
19	66.80	94.94	128.42	274.97	1329.19	1885.61	2715.96	631.15	110.41	94.94	90.81	105.25		
20	68.46	109.38	119.43	283.18	1370.74	1903.20	2693.06	560.84	113.51	92.87	93.90	101.13		
21	75.33	124.57	115.57	248.69	1429.81	1910.23	2672.30	496.71	113.51	95.97	100.09	97.00		
22	79.46	278.25	101.13	219.77	1450.48	1899.68	2630.78	449.89	111.44	101.13	102.16	94.94		
23	79.46	476.35	90.81	302.43	1447.90	1892.64	2589.27	410.64	118.14	102.16	99.06	98.03		
24	74.30	545.40	87.71	458.03	1447.90	1885.61	2521.80	373.83	123.28	98.03	92.87	97.00		
25	68.46	521.14	85.65	633.33	1460.81	1903.20	2418.10	381.58	119.43	98.03	93.90	94.94		
26	61.79	410.64	87.71	869.35	1463.40	1913.75	2288.96	441.75	118.14	110.41	97.00	89.78		
27	54.29	237.19	86.68	983.01	1468.56	1931.34	2183.33	521.14	115.57	90.81	94.94	83.59		
28	48.45	157.98	75.33	1027.60	1484.06	2033.53	2086.61	545.40	114.54	84.62	92.87	85.65		
29	54.29	164.41	72.63	974.09	1538.41	2207.70	1998.18	552.02	103.19	94.94		84.62		
30	53.46	125.85	70.97	871.70	1582.63	2377.29	1927.82	508.93	94.94	91.84		84.62		
31		104.22		769.32	1635.24		1840.65		88.75	94.94		85.65		
Total	1880.71	4584.94	2671.98	9376.82	35002.63	53285.64	78847.47	26810.09	6691.44	2849.14	2519.95	2891.44	227412.25	CMSDAY
Mean	62.69	147.90	89.07	302.48	1129.12	1776.19	2543.47	893.67	215.85	91.91	90.00	93.27	623.05	CMS
Max	79.46	545.40	128.42	1027.60	1635.24	2377.29	2739.58	1763.13	525.55	110.41	104.22	110.41	2739.58	CMS
Min	36.08	54.29	68.46	52.62	532.17	1422.06	1840.65	373.83	88.75	77.40	77.40	83.59	36.08	CMS
Runoff	162.49	396.14	230.86	810.16	3024.23	4603.88	6812.42	2316.39	578.14	246.17	217.72	249.82	19648.42	MCM
Momentary Peak	2769.10	CMS.	at 11.32 m. (MSL.)	at 18.00 Hours , on Oct 15, 2022										
Runoff Yield	*****	Liters/Second/Square KM.			Momentary Peak Yield		*****	Liters/Second/Square KM.						

WATER YEAR : 2022**CHAO PHRAYA RIVER BASIN****Chao Phraya River at Ban Chaiyo, Ang Thong (C.46)**

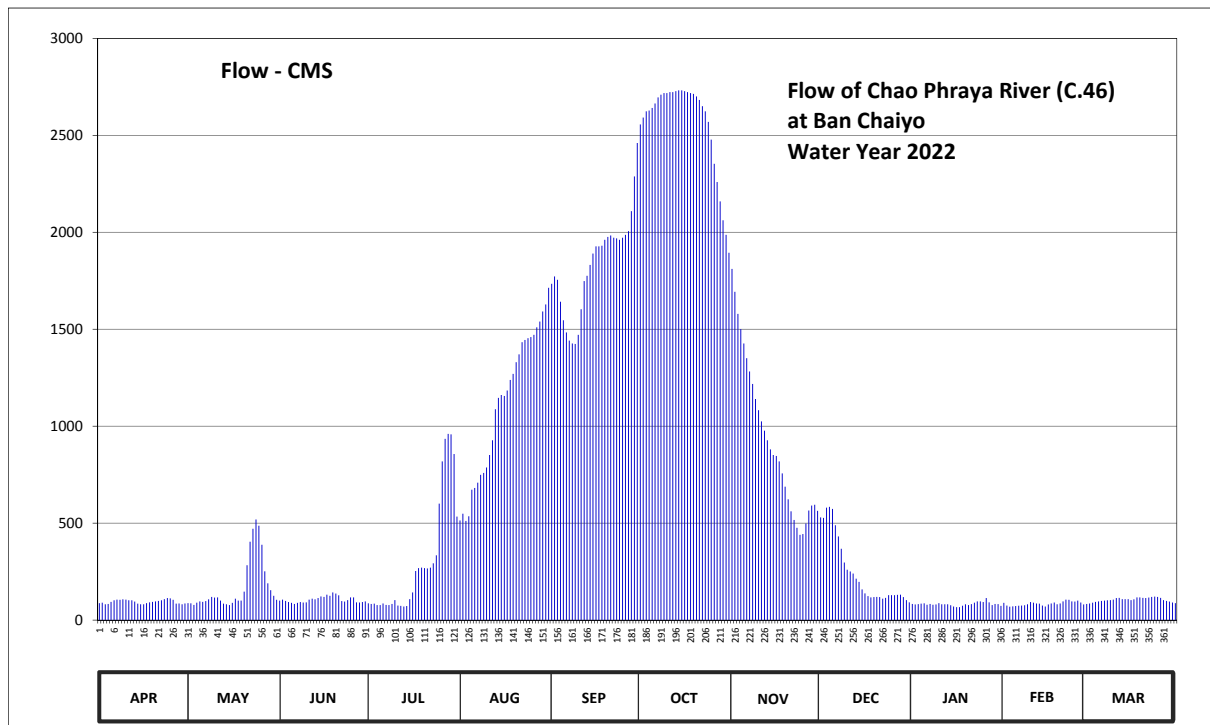
Lat 14 - 42 - 60 N Long 100 - 26 - 23 E

Location : on right bank at Ban Chaiyo

	Ban Chaiyo	Amphoe Chaiyo	Changwat Ang Thong
Drainage Area	Flood Plain		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank near the gage site		Elevation +10.660 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2012 to date		
Rating Operation			
Period of Rating	2012 to date		
Rated by Float	-		
Rated by Current Meter	2012 to date		
Stability of Channel Regimes	Fairly stable		
Overbank Flow Conditions	Overbank flow starts at elevation + 10.380 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 26 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.75	0.75	0.86	0.74	3.15	7.92	10.03	8.14	3.22	0.71	0.76	0.71	
2	0.77	0.74	0.90	0.71	3.31	8.03	10.11	7.80	3.21	0.68	0.63	0.73	
3	0.69	0.66	0.85	0.72	3.14	7.98	10.18	7.45	3.46	0.70	0.57	0.77	
4	0.71	0.77	0.80	0.65	3.25	7.65	10.19	7.19	3.48	0.72	0.59	0.81	
5	0.81	0.83	0.76	0.65	3.88	7.34	10.22	6.94	3.43	0.74	0.60	0.83	
6	0.87	0.81	0.71	0.73	3.92	7.13	10.27	6.66	3.04	0.67	0.62	0.85	
7	0.90	0.84	0.76	0.66	4.04	6.99	10.34	6.39	2.78	0.71	0.63	0.86	
8	0.89	0.91	0.80	0.65	4.21	6.94	10.37	6.14	2.47	0.67	0.64	0.87	
9	0.91	1.01	0.78	0.71	4.25	6.93	10.39	5.84	2.11	0.68	0.69	0.88	
10	0.90	0.98	0.79	0.88	4.37	7.09	10.39	5.61	1.82	0.75	0.80	0.90	
11	0.87	0.99	0.90	0.63	4.64	7.53	10.40	5.37	1.72	0.69	0.77	0.96	
12	0.87	0.86	0.94	0.61	4.96	7.96	10.40	5.17	1.60	0.69	0.73	0.97	
13	0.82	0.72	0.91	0.58	5.63	8.04	10.41	4.96	1.49	0.69	0.72	0.92	
14	0.72	0.69	0.96	0.60	5.86	8.20	10.42	4.76	1.42	0.64	0.63	0.92	
15	0.69	0.65	1.03	0.92	5.92	8.37	10.42	4.64	1.26	0.58	0.58	0.92	
16	0.69	0.76	1.01	1.19	5.90	8.47	10.41	4.62	1.15	0.55	0.68	0.88	
17	0.75	0.94	1.10	1.75	6.01	8.47	10.40	4.50	1.04	0.55	0.73	0.91	
18	0.79	0.86	1.05	1.92	6.22	8.48	10.39	4.24	0.99	0.62	0.78	0.99	
19	0.81	0.86	1.19	1.94	6.34	8.56	10.38	3.95	1.00	0.69	0.69	0.99	
20	0.83	1.21	1.14	1.92	6.58	8.60	10.35	3.66	1.01	0.65	0.73	0.97	
21	0.85	2.04	1.07	1.90	6.74	8.62	10.31	3.37	1.00	0.70	0.83	0.96	
22	0.87	2.65	0.84	1.94	6.96	8.59	10.24	3.16	0.94	0.77	0.90	0.98	
23	0.92	2.96	0.82	2.09	7.00	8.58	10.18	2.98	0.97	0.83	0.89	1.01	
24	0.96	3.17	0.88	2.30	7.03	8.56	10.06	2.82	1.08	0.83	0.83	1.02	
25	0.95	3.03	0.99	3.56	7.05	8.59	9.85	2.84	1.08	0.80	0.82	1.01	
26	0.89	2.57	0.99	4.50	7.09	8.63	9.56	3.08	1.08	0.96	0.86	0.97	
27	0.72	1.73	0.79	4.99	7.22	8.68	9.33	3.39	1.09	0.79	0.78	0.88	
28	0.73	1.39	0.78	5.10	7.32	8.95	9.08	3.51	1.10	0.65	0.68	0.85	
29	0.69	1.24	0.80	5.09	7.49	9.40	8.83	3.53	1.00	0.71		0.82	
30	0.73	1.05	0.83	4.66	7.61	9.81	8.63	3.38	0.88	0.70		0.78	
31		0.89		3.24	7.86		8.38		0.79	0.61		0.75	
Mean	0.81	1.28	0.90	1.89	5.64	8.17	10.03	4.87	1.70	0.70	0.72	0.89	
Max	0.96	3.17	1.19	5.10	7.86	9.81	10.42	8.14	3.48	0.96	0.90	1.02	10.42
Min	0.69	0.65	0.71	0.58	3.14	6.93	8.38	2.82	0.79	0.55	0.57	0.71	0.55
Annual Max Momentary Gage Height	10.44		m. (MSL.) ,				at 20.00 Hours , on Oct 14, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	-3.25	m. (MSL.)					
Left Bank Elevation		10.66	m. (MSL.) ,										
Right Bank Elevation		10.37	m. (MSL.) ,			Drainage Area		Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	87.77	87.77	100.64	86.74	514.13	1734.73	2556.09	1810.91	529.60	83.65	88.81	83.65		
2	89.84	86.74	105.77	83.65	548.47	1772.71	2592.18	1693.40	527.50	80.56	75.40	85.71		
3	81.59	78.49	99.35	84.68	511.88	1755.40	2623.77	1579.31	579.93	82.62	69.21	89.84		
4	83.65	89.84	92.93	77.46	535.89	1641.72	2628.28	1501.04	584.12	84.68	71.27	94.21		
5	94.21	96.78	88.81	77.46	672.59	1546.18	2641.81	1427.11	573.64	86.74	72.31	96.78		
6	101.92	94.21	83.65	85.71	681.63	1483.30	2664.37	1350.55	489.33	79.52	74.37	99.35		
7	105.77	98.07	88.81	78.49	709.18	1441.89	2695.96	1282.68	431.14	83.65	75.40	100.64		
8	104.49	107.06	92.93	77.46	749.38	1427.11	2709.49	1217.78	367.77	79.52	76.43	101.92		
9	107.06	119.90	90.87	83.65	758.84	1424.15	2718.52	1140.74	296.98	80.56	81.59	103.20		
10	105.77	116.05	91.90	103.20	787.22	1471.47	2718.52	1082.24	259.77	87.77	92.93	105.77		
11	101.92	117.33	105.77	75.40	851.72	1603.41	2723.03	1024.52	251.00	81.59	89.84	113.48		
12	101.92	100.64	110.91	73.34	927.50	1748.51	2723.03	976.71	240.48	81.59	85.71	114.76		
13	95.50	84.68	107.06	70.24	1087.33	1776.18	2727.69	927.50	214.03	81.59	84.68	108.34		
14	84.68	81.59	113.48	72.31	1145.83	1831.75	2732.35	880.43	197.20	76.43	75.40	108.34		
15	81.59	77.46	122.47	108.34	1161.09	1890.78	2732.35	851.72	158.73	70.24	70.24	108.34		
16	81.59	88.81	119.90	143.02	1156.01	1927.40	2727.69	846.94	137.88	67.15	80.56	103.20		
17	87.77	110.91	131.46	253.64	1184.04	1927.40	2723.03	818.23	123.75	67.15	85.71	107.06		
18	91.90	100.64	125.04	268.54	1238.55	1931.14	2718.52	756.47	117.33	74.37	90.87	117.33		
19	94.21	100.64	143.02	270.30	1269.70	1961.08	2714.01	688.42	118.62	81.59	81.59	117.33		
20	96.78	146.71	136.60	268.54	1330.47	1976.05	2700.47	622.86	119.90	77.46	85.71	114.76		
21	99.35	283.35	127.61	266.79	1370.64	1983.53	2682.42	561.05	118.62	82.62	96.78	113.48		
22	101.92	404.57	98.07	270.30	1433.02	1972.30	2650.84	516.38	110.91	89.84	105.77	116.05		
23	108.34	471.30	95.50	293.09	1444.85	1968.56	2623.77	475.81	114.76	96.78	104.49	119.90		
24	113.48	518.64	103.20	333.99	1453.72	1961.08	2569.62	439.74	128.89	96.78	96.78	121.18		
25	112.19	487.08	117.33	600.90	1459.64	1972.30	2477.90	444.25	128.89	92.93	95.50	119.90		
26	104.49	388.21	117.33	818.23	1471.47	1987.27	2353.70	498.35	128.89	113.48	100.64	114.76		
27	84.68	251.88	91.90	934.53	1510.03	2005.98	2259.08	565.25	130.17	91.90	90.87	103.20		
28	85.71	189.99	90.87	960.31	1540.15	2108.91	2159.19	590.42	131.46	77.46	80.56	99.35		
29	81.59	153.92	92.93	957.96	1591.36	2287.88	2062.49	594.61	118.62	83.65		95.50		
30	85.71	125.04	96.78	856.51	1627.95	2460.66	1987.27	563.15	103.20	82.62		90.87		
31		104.49		533.79	1714.06		1894.26		91.90	73.34		87.77		
Total	2857.39	5362.79	3182.89	9268.57	34438.34	54980.83	79491.70	27728.57	7625.01	2569.83	2379.42	3255.97	233141.31	CMSDAY
Mean	95.25	172.99	106.10	298.99	1110.91	1832.69	2564.25	924.29	245.97	82.90	84.98	105.03	638.74	CMS
Max	113.48	518.64	143.02	960.31	1714.06	2460.66	2732.35	1810.91	584.12	113.48	105.77	121.18	2732.35	CMS
Min	81.59	77.46	83.65	70.24	511.88	1424.15	1894.26	439.74	91.90	67.15	69.21	83.65	67.15	CMS
Runoff	246.88	463.35	275.00	800.80	2975.47	4750.34	6868.08	2395.75	658.80	222.03	205.58	281.32	20143.41	MCM
Momentary Peak	2741.68	CMS. at 10.44 m. (MSL.) at 20.00 Hours , on Oct 14, 2022												
Runoff Yield	*****	Liters/Second/Square KM.				Momentary Peak Yield *****				Liters/Second/Square KM.				

WATER YEAR : 2022**CHAO PHRAYA RIVER BASIN****Chao Phraya River at Ban Pa Mok, Ang Thong (C.47)**

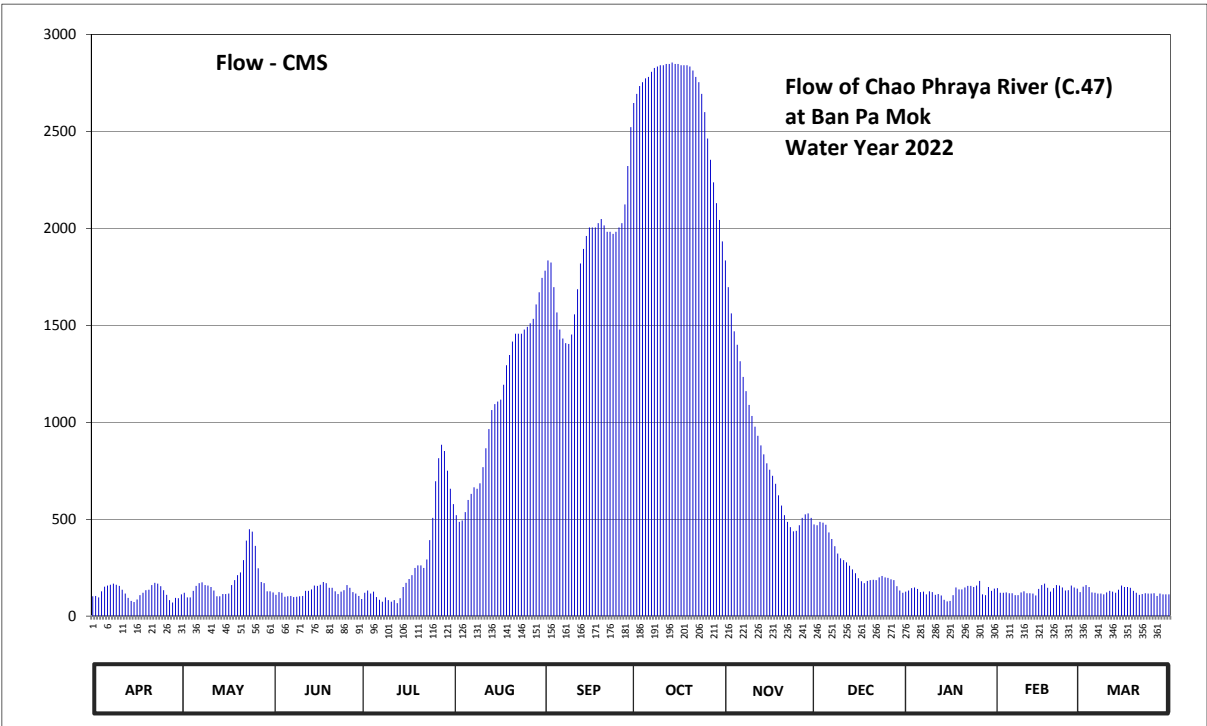
Lat 14 - 29 - 53 N Long 100 - 26 - 59 E

Location : on right bank at Ban Pa Mok

	Ban	Pa Mok	Amphoe	Pa Mok	Changwat	Ang Thong
Drainge Area	Flood Plain					
Type of Gage	Staff gage					
Zero Gage at Bottom	+0.000 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the gage site				Elevation	+10.850 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	2012 to date					
Rating Operation						
Period of Rating	2012 to date					
Rated by Float	-					
Rated by Current Meter	2012 to date					
Stability of Channel Regimes	Fairly stable					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 20 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.95	1.00	1.05	0.88	3.25	6.65	8.10	6.75	2.79	1.07	1.16	1.06	
2	0.96	1.04	0.99	1.04	3.00	6.75	8.17	6.49	2.77	1.10	1.04	1.20	
3	0.92	0.92	1.06	1.10	2.85	6.73	8.23	6.21	2.85	1.16	1.04	1.24	
4	1.08	0.92	1.04	1.02	2.88	6.49	8.26	6.01	2.83	1.18	1.05	1.19	
5	1.20	1.09	0.94	1.07	3.07	6.22	8.29	5.84	2.78	1.14	1.03	1.05	
6	1.23	1.22	0.95	0.93	3.34	6.03	8.30	5.63	2.59	1.06	1.03	1.04	
7	1.25	1.29	0.96	0.86	3.47	5.92	8.34	5.43	2.43	1.07	0.98	1.02	
8	1.28	1.31	0.93	0.81	3.61	5.86	8.37	5.25	2.25	1.00	0.98	1.02	
9	1.25	1.24	0.94	0.92	3.58	5.85	8.38	5.05	2.07	1.08	1.05	1.00	
10	1.22	1.23	0.95	0.85	3.69	5.97	8.39	4.88	1.95	1.06	1.08	1.05	
11	1.12	1.19	0.96	0.81	4.01	6.20	8.39	4.71	1.90	0.99	1.03	1.09	
12	1.02	1.10	1.09	0.85	4.35	6.47	8.40	4.56	1.84	1.01	1.03	1.07	
13	0.91	0.95	1.09	0.77	4.67	6.72	8.40	4.40	1.75	0.97	1.02	1.04	
14	0.83	0.95	1.13	0.90	4.97	6.86	8.41	4.24	1.65	0.86	0.97	1.12	
15	0.80	1.01	1.23	1.19	5.06	6.98	8.40	4.08	1.55	0.82	1.14	1.23	
16	0.87	1.01	1.22	1.30	5.10	7.06	8.40	3.96	1.42	0.83	1.24	1.19	
17	0.98	1.02	1.25	1.40	5.13	7.06	8.39	3.84	1.34	0.98	1.28	1.19	
18	1.04	1.24	1.32	1.50	5.33	7.06	8.39	3.68	1.29	1.18	1.17	1.17	
19	1.11	1.37	1.29	1.69	5.58	7.10	8.39	3.44	1.35	1.13	1.07	1.09	
20	1.12	1.50	1.17	1.76	5.71	7.14	8.38	3.22	1.37	1.13	1.16	1.04	
21	1.24	1.57	1.17	1.76	5.88	7.08	8.35	3.00	1.38	1.18	1.24	0.99	
22	1.30	1.90	1.08	1.69	5.98	7.02	8.30	2.85	1.37	1.22	1.23	1.01	
23	1.28	2.39	1.01	1.92	5.98	7.02	8.26	2.72	1.44	1.22	1.18	1.03	
24	1.21	2.67	1.07	2.40	5.98	7.00	8.17	2.62	1.48	1.19	1.10	1.02	
25	1.11	2.61	1.11	2.94	6.03	7.02	8.03	2.63	1.44	1.23	1.11	1.02	
26	0.99	2.26	1.24	3.73	6.06	7.06	7.82	2.77	1.43	1.35	1.23	1.03	
27	0.85	1.68	1.17	4.17	6.10	7.10	7.65	2.94	1.39	1.00	1.18	0.96	
28	0.79	1.32	1.06	4.41	6.15	7.27	7.46	3.02	1.37	0.98	1.15	1.02	
29	0.91	1.29	1.02	4.30	6.31	7.60	7.28	3.04	1.21	1.19		1.00	
30	0.90	1.08	0.96	3.94	6.44	7.91	7.13	2.94	1.10	1.09		1.00	
31		1.08		3.58	6.58		6.93		1.04	1.15		1.00	
Mean	1.06	1.37	1.08	1.82	4.84	6.77	8.13	4.21	1.79	1.08	1.11	1.07	
Max	1.30	2.67	1.32	4.41	6.58	7.91	8.41	6.75	2.85	1.35	1.28	1.24	8.41
Min	0.79	0.92	0.93	0.77	2.85	5.85	6.93	2.62	1.04	0.82	0.97	0.96	0.77
Annual Max Momentary Gage Height	8.43		m. (MSL.) ,				at 06.00 Hours , on Oct 14, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,				River Bed -11.45	m. (MSL.)					
Left Bank Elevation		10.36	m. (MSL.) ,										
Right Bank Elevation		10.85	m. (MSL.) ,				Drainage Area	Square Kilometers					

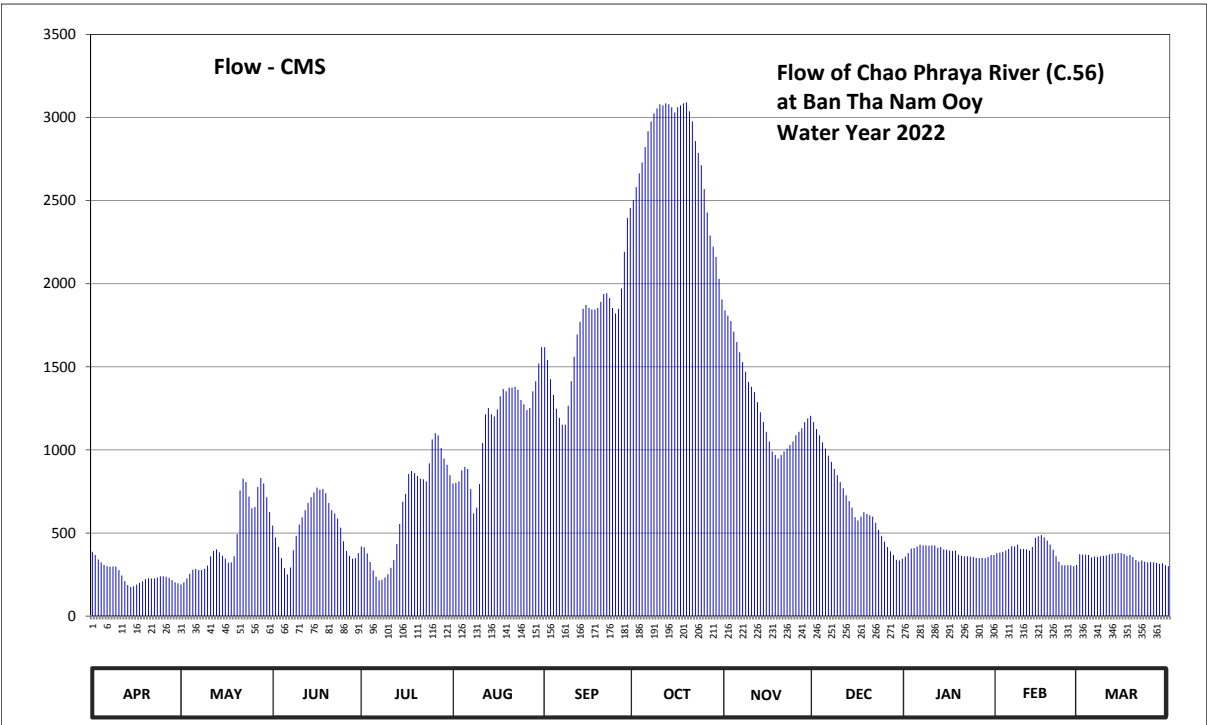


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	102.46	112.44	122.43	88.48	578.12	1782.13	2647.21	1835.19	473.39	126.42	144.39	124.42		
2	104.45	120.43	110.45	120.43	520.79	1835.19	2694.13	1697.23	469.22	132.41	120.43	152.38		
3	96.47	96.47	124.42	132.41	486.81	1824.58	2734.36	1561.76	486.81	144.39	120.43	160.28		
4	128.42	96.47	120.43	116.44	493.60	1697.23	2754.47	1469.43	482.28	148.39	122.43	150.38		
5	152.38	130.41	100.46	126.42	536.65	1566.37	2774.58	1399.96	471.31	140.40	118.43	122.43		
6	158.31	156.33	102.46	98.46	599.74	1478.66	2781.28	1314.85	431.65	124.42	118.43	120.43		
7	162.26	170.16	104.45	84.49	630.98	1432.39	2808.10	1233.90	398.26	126.42	108.45	116.44		
8	168.18	174.11	98.46	74.50	664.81	1408.07	2828.21	1161.06	360.58	112.44	108.45	116.44		
9	162.26	160.28	100.46	96.47	657.41	1404.02	2834.91	1090.11	322.87	128.42	122.43	112.44		
10	156.33	158.31	102.46	82.49	685.50	1452.65	2841.62	1032.63	298.60	124.42	128.42	122.43		
11	136.41	150.38	104.45	74.50	768.58	1557.14	2841.62	977.52	289.00	110.45	118.43	130.41		
12	116.44	132.41	130.41	82.49	866.48	1686.61	2848.32	930.76	277.48	114.44	118.43	126.42		
13	94.47	102.46	130.41	67.23	965.05	1819.27	2848.32	880.88	260.19	106.45	116.44	120.43		
14	78.49	102.46	138.40	92.47	1063.06	1894.78	2855.67	834.81	240.99	84.49	106.45	136.41		
15	72.68	114.44	158.31	150.38	1093.49	1960.89	2848.32	788.74	221.51	76.50	140.40	158.31		
16	86.48	114.44	156.33	172.13	1107.02	2004.97	2848.32	755.35	195.84	78.49	160.28	150.38		
17	108.45	116.44	162.26	191.89	1117.16	2004.97	2841.62	724.31	180.03	108.45	168.18	150.38		
18	120.43	160.28	176.08	211.64	1193.44	2004.97	2841.62	682.92	170.16	148.39	146.39	146.39		
19	134.41	185.96	170.16	248.67	1294.60	2027.01	2841.62	623.77	182.01	138.40	126.42	130.41		
20	136.41	211.64	146.39	262.11	1347.27	2049.04	2834.91	570.91	185.96	138.40	144.39	120.43		
21	160.28	225.46	146.39	262.11	1416.17	2015.99	2814.80	520.79	187.94	148.39	160.28	110.45		
22	172.13	289.00	128.42	248.67	1456.70	1982.93	2781.28	486.81	185.96	156.33	158.31	114.44		
23	168.18	389.91	114.44	292.84	1456.70	1982.93	2754.47	458.78	199.79	156.33	148.39	118.43		
24	154.36	448.35	126.42	392.00	1456.70	1971.91	2694.13	437.91	207.69	150.38	132.41	116.44		
25	134.41	435.83	134.41	507.20	1478.66	1982.93	2600.28	440.00	199.79	158.31	134.41	116.44		
26	110.45	362.67	160.28	695.85	1492.51	2004.97	2464.03	469.22	197.81	182.01	158.31	118.43		
27	82.49	246.75	146.39	814.65	1510.98	2027.01	2354.34	507.20	189.91	112.44	148.39	104.45		
28	70.87	176.08	124.42	884.00	1534.06	2124.10	2238.09	525.32	185.96	108.45	142.40	116.44		
29	94.47	170.16	116.44	852.09	1607.92	2322.08	2130.10	529.85	154.36	150.38		112.44		
30	92.47	128.42	104.45	750.18	1670.70	2522.10	2043.53	507.20	132.41	130.41		112.44		
31		128.42		657.41	1744.98		1933.34		120.43	142.40		112.44		
Total	3716.30	5767.37	3861.74	8931.10	33496.64	55827.89	82957.60	26449.17	8360.19	4008.42	3741.00	3920.88	241038.30	CMSDAY
Mean	123.88	186.04	128.72	288.10	1080.54	1860.93	2676.05	881.64	269.68	129.30	133.61	126.48	660.38	CMS
Max	172.13	448.35	176.08	884.00	1744.98	2522.10	2855.67	1835.19	486.81	182.01	168.18	160.28	2855.67	CMS
Min	70.87	96.47	98.46	67.23	486.81	1404.02	1933.34	437.91	120.43	76.50	106.45	104.45	67.23	CMS
Runoff	321.09	498.30	333.65	771.65	2894.11	4823.53	7167.54	2285.21	722.32	346.33	323.22	338.76	20825.71	MCM
Momentary Peak	2870.36 CMS. at 8.43 m. (MSL.) at 06.00 Hours , on Oct 14, 2022													
Runoff Yield	*****	Liters/Second/Square KM.			Momentary Peak Yield			*****	Liters/Second/Square KM.					

Lat 15 - 25 - 36 N Long 100 - 08 - 06 E

	Ban	Tha Nam Ooy	Amphoe	Phayuha Khiti	Changwat	Nakhon Sawan
Drainage Area		110,861				
Type of Gage		Water - stage recorder.				
Zero Gage at Bottom		+0.000	m. (MSL.)			
Bench Mark		B.M.-H.D.				
Location BM		On left bank at the bridge			Elevation	+21.898 m. (MSL.)
Gage Reading Frequency		Recording				
Basis of Mean Daily Gage Height		Arithmetic means of 24 readings				
Period of Available Gage Records		2008 to date				
Rating Operation						
Period of Rating		2008 to date				
Rated by Float		-				
Rated by Current Meter		2008 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 2022.				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	15.39	14.31	15.93	15.52	16.58	18.52	20.33	19.01	17.46	15.27	15.36	15.33	
2	15.31	14.40	15.71	15.50	16.59	18.34	20.47	18.94	17.36	15.36	15.37	15.32	
3	15.20	14.55	15.51	15.35	16.61	18.06	20.62	18.87	17.27	15.47	15.39	15.32	
4	15.11	14.74	15.23	15.12	16.77	17.84	20.74	18.73	17.17	15.48	15.42	15.31	
5	15.03	14.88	14.93	14.86	16.82	17.65	20.90	18.59	17.08	15.52	15.46	15.25	
6	14.99	14.90	14.71	14.63	16.79	17.52	21.06	18.45	16.98	15.57	15.53	15.27	
7	14.98	14.87	14.95	14.48	16.50	17.42	21.16	18.31	16.89	15.55	15.52	15.26	
8	14.98	14.87	15.43	14.51	16.13	17.42	21.24	18.17	16.79	15.55	15.57	15.28	
9	14.98	14.91	15.74	14.59	16.22	17.69	21.29	18.02	16.70	15.54	15.46	15.29	
10	14.87	15.01	15.95	14.72	16.57	18.03	21.33	17.95	16.60	15.55	15.46	15.30	
11	14.67	15.28	16.07	14.94	17.16	18.39	21.32	17.88	16.51	15.55	15.45	15.33	
12	14.45	15.41	16.18	15.18	17.57	18.69	21.34	17.74	16.41	15.49	15.42	15.34	
13	14.28	15.45	16.29	15.58	17.66	18.86	21.33	17.60	16.32	15.51	15.51	15.35	
14	14.19	15.38	16.38	15.96	17.57	19.03	21.30	17.46	16.22	15.45	15.70	15.36	
15	14.23	15.29	16.45	16.31	17.54	19.08	21.25	17.32	16.07	15.44	15.73	15.36	
16	14.30	15.22	16.52	16.43	17.64	19.04	21.30	17.18	16.02	15.42	15.75	15.34	
17	14.38	15.10	16.49	16.72	17.82	19.02	21.32	17.04	16.08	15.41	15.71	15.29	
18	14.44	15.11	16.50	16.76	17.92	19.02	21.34	16.99	16.15	15.42	15.65	15.31	
19	14.53	15.28	16.44	16.73	17.89	19.04	21.35	16.94	16.12	15.32	15.57	15.26	
20	14.56	15.77	16.29	16.69	17.94	19.12	21.26	16.99	16.10	15.29	15.44	15.18	
21	14.55	16.48	16.18	16.65	17.94	19.22	21.16	17.04	16.08	15.28	15.28	15.13	
22	14.56	16.65	16.13	16.64	17.95	19.23	20.96	17.08	15.98	15.28	15.13	15.17	
23	14.59	16.60	16.05	16.61	17.91	19.17	20.84	17.13	15.85	15.27	15.02	15.13	
24	14.64	16.39	15.89	16.87	17.77	19.04	20.71	17.18	15.74	15.26	15.02	15.11	
25	14.64	16.21	15.64	17.21	17.71	18.97	20.45	17.27	15.63	15.24	15.02	15.12	
26	14.62	16.23	15.41	17.30	17.63	19.03	20.19	17.32	15.51	15.23	15.02	15.11	
27	14.58	16.53	15.29	17.27	17.66	19.29	19.93	17.37	15.40	15.24	14.99	15.09	
28	14.49	16.66	15.22	17.09	17.89	19.74	19.80	17.46	15.31	15.23	15.03	15.06	
29	14.40	16.58	15.23	16.94	18.03	20.13	19.68	17.51	15.19	15.26		15.08	
30	14.36	16.38	15.36	16.85	18.29	20.24	19.41	17.55	15.17	15.31</			



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	386.95	190.70	544.92	418.55	797.90	1618.42	2504.31	1840.07	1167.67	357.79	379.66	372.37		
2	367.51	202.68	473.64	413.69	802.06	1540.43	2580.76	1807.71	1125.72	379.66	382.09	369.94		
3	340.77	225.74	416.12	377.23	810.39	1425.61	2663.53	1775.34	1087.97	406.40	386.95	369.94		
4	323.54	254.96	348.06	325.45	876.99	1331.17	2729.74	1711.84	1045.92	408.83	394.25	367.51		
5	308.22	279.50	289.07	275.67	897.94	1248.23	2822.26	1649.56	1007.86	418.55	403.97	352.92		
6	300.56	283.33	250.34	238.04	885.32	1192.84	2917.31	1587.27	965.58	430.71	420.99	357.79		
7	298.65	277.58	292.90	214.98	764.60	1150.89	2976.72	1528.13	927.53	425.85	418.55	355.36		
8	298.65	277.58	396.68	219.59	618.10	1150.89	3024.76	1470.72	885.32	425.85	430.71	360.22		
9	298.65	285.24	483.36	231.89	653.05	1265.69	3055.10	1409.21	847.85	423.42	403.97	362.65		
10	277.58	304.39	551.40	251.88	793.74	1413.31	3079.38	1379.18	806.23	425.85	403.97	365.08		
11	244.19	360.22	594.79	290.99	1041.69	1560.93	3073.31	1348.63	768.76	425.85	401.54	372.37		
12	210.37	391.82	637.52	336.94	1213.82	1694.04	3085.45	1287.51	727.13	411.26	394.25	374.80		
13	186.70	401.54	680.24	433.14	1252.59	1770.72	3079.38	1226.40	691.90	416.12	416.12	377.23		
14	174.72	384.52	715.20	554.64	1213.82	1849.32	3061.17	1167.67	653.05	401.54	470.40	379.66		
15	180.05	362.65	743.78	688.01	1201.23	1872.43	3030.83	1108.94	594.79	399.11	480.12	379.66		
16	189.37	345.63	772.92	735.46	1243.86	1853.94	3061.17	1050.14	575.37	394.25	486.60	374.80		
17	200.02	321.62	760.44	856.18	1322.44	1844.69	3073.31	990.95	598.67	391.82	473.64	362.65		
18	208.83	323.54	764.60	872.83	1366.09	1844.69	3085.45	969.81	625.86	394.25	454.20	367.51		
19	222.67	360.22	739.62	860.34	1352.99	1853.94	3091.52	948.67	614.21	369.94	430.71	355.36		
20	227.28	493.08	680.24	843.69	1374.82	1890.92	3036.89	969.81	606.44	362.65	399.11	336.94		
21	225.74	756.27	637.52	827.04	1374.82	1937.54	2976.72	990.95	598.67	360.22	360.22	327.37		
22	227.28	827.04	618.10	822.88	1379.18	1942.35	2857.90	1007.86	561.12	360.22	327.37	335.03		
23	231.89	806.23	587.02	810.39	1361.72	1914.04	2786.61	1029.00	519.00	357.79	306.31	327.37		
24	239.58	719.09	531.96	919.08	1300.61	1853.94	2713.19	1050.14	483.36	355.36	306.31	323.54		
25	239.58	649.17	450.96	1062.80	1274.42	1821.58	2569.72	1087.97	447.72	350.49	306.31	325.45		
26	236.51	656.94	391.82	1100.55	1239.50	1849.32	2428.66	1108.94	416.12	348.06	306.31	323.54		
27	230.36	777.09	362.65	1087.97	1252.59	1971.23	2290.03	1129.92	389.39	350.49	300.56	319.71		
28	216.52	831.20	345.63	1012.09	1352.99	2192.38	2223.22	1167.67	367.51	348.06	308.22	313.96		
29	202.68	797.90	348.06	948.67	1413.31	2396.24	2161.54	1188.65	338.86	355.36		317.79		
30	197.35	715.20	379.66	910.62	1519.93	2455.68	2028.98	1205.43	335.03	367.51		306.31		
31		625.86		847.85	1618.42		1904.79		345.63	367.51		300.56		
Total	7492.77	14488.53	15789.22	19789.13	35570.93	51707.40	85973.71	38194.09	21126.24	11990.77	10953.41	10835.39	323911.59	CMSDAY
Mean	249.76	467.37	526.31	638.36	1147.45	1723.58	2773.35	1273.14	681.49	386.80	391.19	349.53	887.43	CMS
Max	386.95	831.20	772.92	1100.55	1618.42	2455.68	3091.52	1840.07	1167.67	430.71	486.60	379.66	3091.52	CMS
Min	174.72	190.70	250.34	214.98	618.10	1150.89	1904.79	948.67	335.03	348.06	300.56	300.56	174.72	CMS
Runoff	647.38	1251.81	1364.19	1709.78	3073.33	4467.52	7428.13	3299.97	1825.31	1036.00	946.37	936.18	27985.96	MCM
Momentary Peak	3091.52 CMS. at 21.35 m. (MSL.) at 06.00 Hours , on Oct 19, 2022													
Runoff Yield	8.00	Liters/Second/Square KM.		Momentary Peak Yield		27.89	Liters/Second/Square KM.							

WATER YEAR : 2022**CHAO PHRAYA RIVER BASIN****Chao Phraya River at Amphoe Sapphaya ,Chainat (C.66)**

Lat 15 - 06 - 33 N Long 100 - 16 - 05 E

Location : on right bank at Amphoe Sapphaya.

	Ban	-	Amphoe	Sapphaya	Changwat	Chai Nat
Drainge Area	116,817					
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank at the bridge				Elevation	+15.164 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2017 to date					
Rating Operation						
Period of Rating	2017 to date					
Rated by Float	-					
Rated by Current Meter	2017 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 15.080 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 29 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.44	4.44	4.44	4.50	8.31	13.03	15.29	12.96	7.17	4.77	4.62	4.67	
2	4.44	4.44	4.44	4.50	7.82	13.08	15.35	12.58	7.49	4.77	4.53	4.66	
3	4.44	4.44	4.44	4.50	7.79	12.87	15.46	12.23	7.68	4.77	4.52	4.66	
4	4.44	4.44	4.44	4.50	8.04	12.46	15.51	11.93	7.65	4.76	4.51	4.67	
5	4.44	4.44	4.44	4.50	8.75	12.19	15.55	11.60	7.31	4.75	4.52	4.68	
6	4.44	4.44	4.44	4.44	8.83	12.01	15.67	11.26	6.94	4.77	4.54	4.68	
7	4.44	4.44	4.44	4.44	9.21	11.93	15.94	10.90	6.61	4.76	4.55	4.67	
8	4.44	4.44	4.44	4.44	9.09	11.90	16.14	10.58	6.07	4.75	4.56	4.67	
9	4.44	4.44	4.44	4.44	9.04	11.93	16.24	10.18	5.68	4.76	4.71	4.66	
10	4.44	4.44	4.47	4.44	9.49	12.19	16.33	9.90	5.46	4.76	4.69	4.67	
11	4.44	4.44	4.64	4.44	9.89	12.55	16.38	9.60	5.25	4.75	4.69	4.67	
12	4.44	4.44	4.83	4.44	10.31	12.94	16.38	9.39	4.99	4.78	4.69	4.67	
13	4.44	4.44	4.85	4.44	10.75	13.17	16.41	9.13	5.11	4.78	4.68	4.67	
14	4.30	4.44	4.93	4.44	10.95	13.33	16.39	8.87	4.99	4.77	4.68	4.68	
15	4.30	4.44	5.02	4.69	10.93	13.49	16.33	8.66	4.81	4.76	4.67	4.68	
16	4.44	4.44	5.06	5.71	10.94	13.54	16.25	8.54	4.81	4.76	4.67	4.75	
17	4.44	4.44	5.21	5.19	11.10	13.54	16.17	8.40	4.80	4.75	4.67	4.86	
18	4.44	4.44	5.22	6.51	11.43	13.57	16.07	7.90	4.85	4.74	4.66	4.86	
19	4.44	4.44	5.16	6.97	11.65	13.67	15.98	7.64	4.83	4.74	4.67	4.86	
20	4.44	4.44	5.08	6.68	11.85	13.71	15.78	7.31	4.84	4.73	4.67	4.85	
21	4.44	5.13	4.88	5.90	12.06	13.72	15.63	7.07	4.79	4.72	4.68	4.84	
22	4.44	7.13	4.69	6.13	12.06	13.66	15.48	6.82	4.79	4.73	4.69	4.83	
23	4.44	8.18	4.71	7.13	12.03	13.65	15.29	6.62	4.81	4.72	4.68	4.83	
24	4.44	8.48	4.62	7.97	12.06	13.65	15.08	6.45	4.79	4.70	4.66	4.84	
25	4.44	8.20	4.62	8.95	12.03	13.68	14.81	6.76	4.77	4.71	4.65	4.69	
26	4.44	7.13	4.62	10.01	12.06	13.70	14.50	7.25	4.80	4.73	4.66	4.65	
27	4.44	5.54	4.50	10.39	12.07	13.84	14.25	7.64	4.81	4.76	4.67	4.64	
28	4.44	6.01	4.50	10.39	12.20	14.20	13.98	7.69	4.78	4.77	4.67	4.65	
29	4.44	5.68	4.50	10.01	12.41	14.75	13.74	7.56	4.78	4.75		4.63	
30	4.44	5.15	4.50	9.41	12.59	15.09	13.52	7.27	4.78	4.74		4.63	
31		4.91		8.96	12.80		13.27		4.77	4.74		4.63	
Mean	4.43	5.17	4.69	6.24	10.66	13.23	15.46	9.02	5.48	4.75	4.64	4.71	
Max	4.44	8.48	5.22	10.39	12.80	15.09	16.41	12.96	7.68	4.78	4.71	4.86	16.41
Min	4.30	4.44	4.44	4.44	7.79	11.90	13.27	6.45	4.77	4.70	4.51	4.63	4.30
Annual Max Momentary Gage Height	16.42		m. (MSL.) ,			at 09.00 Hours , on Oct 13, 2022							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed 0.77	m. (MSL.)						
Left Bank Elevation	15.42		m. (MSL.) ,										
Right Bank Elevation	15.07		m. (MSL.) ,			Drainage Are 116,817	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	67.58	67.58	67.58	70.90	561.00	1810.50	2636.00	1786.40	359.74	88.26	77.83	81.31	
2	67.58	67.58	67.58	70.90	473.44	1828.00	2660.00	1657.75	412.54	88.26	72.56	80.61	
3	67.58	67.58	67.58	70.90	468.09	1755.80	2713.00	1548.38	447.72	88.26	72.01	80.61	
4	67.58	67.58	67.58	70.90	511.90	1620.25	2740.50	1456.65	442.17	87.56	71.46	81.31	
5	67.58	67.58	67.58	70.90	646.64	1535.95	2762.50	1357.00	381.74	86.87	72.01	82.00	
6	67.58	67.58	67.58	67.58	662.60	1481.05	2828.50	1256.05	323.90	88.26	73.12	82.00	
7	67.58	67.58	67.58	67.58	738.47	1456.65	3005.00	1152.50	273.71	87.56	73.67	81.31	
8	67.58	67.58	67.58	67.58	714.50	1447.50	3155.00	1064.70	204.67	86.87	74.23	81.31	
9	67.58	67.58	67.58	67.58	704.51	1456.65	3270.40	959.12	162.55	87.56	84.09	80.61	
10	67.58	67.58	69.24	67.58	796.66	1535.95	3428.80	890.76	140.79	87.56	82.70	81.31	
11	67.58	67.58	79.22	67.58	888.32	1648.38	3516.80	821.39	123.38	86.87	82.70	81.31	
12	67.58	67.58	92.43	67.58	993.15	1779.60	3516.80	774.43	103.56	88.96	82.70	81.31	
13	67.58	67.58	93.82	67.58	1111.25	1859.50	3569.60	722.49	112.67	88.96	82.00	81.31	
14	59.83	67.58	99.38	67.58	1166.25	1915.50	3534.40	670.58	103.56	88.26	82.00	82.00	
15	59.83	67.58	105.78	82.70	1160.75	1971.95	3428.80	628.68	91.04	87.56	81.31	82.00	
16	67.58	67.58	108.84	165.52	1163.50	1989.70	3288.00	605.18	91.04	87.56	81.31	86.87	
17	67.58	67.58	120.32	118.79	1209.25	1989.70	3177.50	578.29	90.35	86.87	81.31	94.52	
18	67.58	67.58	121.08	260.27	1306.00	2000.35	3102.50	487.42	93.82	86.17	80.61	94.52	
19	67.58	67.58	116.49	328.46	1372.00	2035.85	3035.00	440.32	92.43	86.17	81.31	94.52	
20	67.58	67.58	110.37	284.36	1432.25	2050.05	2889.00	381.74	93.13	85.48	81.31	93.82	
21	67.58	114.20	95.91	185.62	1496.30	2053.60	2806.50	344.02	89.65	84.78	82.00	93.13	
22	67.58	353.45	82.70	211.39	1496.30	2032.30	2724.00	305.65	89.65	85.48	82.70	92.43	
23	67.58	536.37	84.09	353.45	1487.15	2028.75	2636.00	275.23	91.04	84.78	82.00	92.43	
24	67.58	593.66	77.83	499.66	1496.30	2028.75	2552.00	252.33	89.65	83.39	80.61	93.13	
25	67.58	539.87	77.83	686.54	1487.15	2039.40	2449.70	296.52	88.26	84.09	79.92	82.70	
26	67.58	353.45	77.83	917.62	1496.30	2046.50	2335.50	372.31	90.35	85.48	80.61	79.92	
27	67.58	148.70	70.90	1014.35	1499.35	2096.40	2244.25	440.32	91.04	87.56	81.31	79.22	
28	67.58	197.95	70.90	1014.35	1539.00	2226.00	2146.80	449.57	88.96	88.26	81.31	79.92	

WATER YEAR : 2022**SAKAE KRANG RIVER BASIN****Nam Mae Wong at Ban San Chao Kai To, Nakhon Sawan (Ct.4)**

Lat 15 - 47 - 09 N Long 99 - 40 - 42 E

Location : on left bank at Ban San Chao Kai To.

	Ban	San Chao Kai To	Amphoe	Lat Yao	Changwat	Nakhon Sawan
Drainage Area	1,199	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.- Highways Dept.					
Location BM	On left bank at the bridge				Elevation	+72.801 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1987 to date					
Rating Operation						
Period of Rating	1987 to date					
Rated by Float	-					
Rated by Current Meter	1987 to date					
Stability of Channel Regimes	Fairly stable					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 10 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	68.22	68.25	68.42	68.24	68.48	68.39	69.37	68.47	68.32	68.18	68.10	67.82	
2	68.16	68.21	68.31	68.18	68.58	68.39	69.41	68.44	68.45	68.18	68.10	67.82	
3	68.21	68.21	68.24	68.14	68.87	68.37	69.51	68.42	68.43	68.18	68.10	67.80	
4	68.19	68.22	68.33	68.13	69.10	68.39	70.77	68.40	68.37	68.18	68.10	67.75	
5	68.17	68.18	68.35	68.12	69.37	68.40	71.10	68.37	68.34	68.17	68.12	67.66	
6	68.15	68.15	68.38	68.17	68.83	68.38	70.39	68.36	68.31	68.17	68.13	67.56	
7	68.14	68.14	68.31	68.19	68.63	68.42	69.67	68.32	68.29	68.16	68.13	67.45	
8	68.12	68.19	68.22	68.22	68.67	68.70	69.50	68.31	68.27	68.15	68.13	67.31	
9	68.12	68.33	68.19	68.26	68.94	68.92	69.45	68.32	68.27	68.15	68.13	67.18	
10	68.11	68.27	68.24	68.24	68.93	68.95	69.31	68.31	68.25	68.16	68.11	67.13	
11	68.11	68.23	68.23	68.28	68.69	68.86	69.45	68.30	68.25	68.17	68.11	67.10	
12	68.11	68.25	68.20	68.33	68.56	68.89	69.77	68.29	68.24	68.16	68.10	67.07	
13	68.11	68.43	68.19	68.34	68.47	68.78	69.60	68.29	68.23	68.16	68.08	67.03	
14	68.10	68.39	68.34	68.31	68.47	68.62	69.21	68.30	68.22	68.15	68.06	67.00	
15	68.10	68.28	68.39	68.37	68.53	68.60	69.00	68.38	68.22	68.15	68.05	66.95	
16	68.10	68.21	68.46	68.37	68.51	68.72	69.14	68.36	68.22	68.14	68.06	66.92	
17	68.10	68.20	68.54	68.40	68.45	68.68	69.55	68.33	68.21	68.13	68.07	66.91	
18	68.10	68.34	68.38	68.48	68.39	68.67	69.34	68.32	68.21	68.12	68.08	66.90	
19	68.27	68.75	68.32	68.40	68.37	68.86	69.05	68.31	68.20	68.11	68.09	66.90	
20	68.79	68.83	68.29	68.28	68.32	68.89	68.85	68.33	68.19	68.11	68.09	66.89	
21	68.42	68.65	68.34	68.28	68.30	68.62	68.73	68.32	68.19	68.11	68.09	66.81	
22	68.27	68.52	68.39	68.46	68.27	68.56	68.64	68.29	68.20	68.11	68.07	66.76	
23	68.29	68.56	68.38	68.58	68.28	68.66	68.60	68.29	68.19	68.12	68.01	66.75	
24	68.27	68.46	68.26	68.55	68.28	68.84	68.63	68.27	68.19	68.11	67.97	66.73	
25	68.21	68.33	68.24	68.50	68.34	68.79	68.56	68.29	68.18	68.11	67.92	66.69	
26	68.17	68.28	68.21	68.41	68.48	69.02	68.50	68.44	68.18	68.11	67.90	66.65	
27	68.15	68.26	68.20	68.31	68.46	69.58	68.47	68.50	68.18	68.11	67.86	66.62	
28	68.14	68.23	68.26	68.25	69.05	70.67	68.62	68.41	68.19	68.10	67.81	66.62	
29	68.28	68.19	68.30	68.20	69.13	70.03	68.65	68.36	68.18	68.11		66.64	
30	68.27	68.19	68.30	68.18	68.72	69.44	68.56	68.31	68.18	68.10		66.65	
31		68.30		68.26	68.50		68.50		68.18	68.10		66.77	
Mean	68.20	68.32	68.31	68.30	68.61	68.84	69.22	68.35	68.24	68.14	68.06	67.06	
Max	68.79	68.83	68.54	68.58	69.37	70.67	71.10	68.50	68.45	68.18	68.13	67.82	71.10
Min	68.10	68.14	68.19	68.12	68.27	68.37	68.47	68.27	68.18	68.10	67.81	66.62	66.62
Annual Max Momentary Gage Height	71.33	m. (MSL.) ,		at 23.00 Hours , on Oct 4 , 2022									
Zero Gage at Bottom Elevation	0.00	m. (MSL.) ,		River Bed		65.73	m. (MSL.)						
Left Bank Elevation	72.10	m. (MSL.) ,											
Right Bank Elevation	72.05	m. (MSL.) ,		Drainage Are		1,199	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.83	4.88	11.19	4.53	14.34	9.79	70.10	13.81	7.34	2.82	1.57	0.00	
2	2.50	3.48	6.99	2.82	19.59	9.79	72.99	12.24	12.76	2.82	1.57	0.00	
3	3.48	3.48	4.53	2.19	35.80	9.09	80.21	11.19	11.71	2.82	1.57	0.00	
4	2.97	3.83	7.69	2.04	51.15	9.79	177.46	10.14	9.09	2.82	1.57	0.00	
5	2.66	2.82	8.39	1.88	70.10	10.14	208.46	9.09	8.04	2.66	1.88	0.00	
6	2.35	2.35	9.44	2.66	33.13	9.44	144.95	8.74	6.99	2.66	2.04	0.00	
7	2.19	2.19	6.99	2.97	22.21	11.19	91.63	7.34	6.29	2.50	2.04	0.00	
8	1.88	2.97	3.83	3.83	24.31	25.88	79.49	6.99	5.58	2.35	2.04	0.00	
9	1.88	7.69	2.97	5.23	40.47	39.14	75.88	7.34	5.58	2.35	2.04	0.00	
10	1.72	5.58	4.53	4.53	39.80	41.14	65.77	6.99	4.88	2.50	1.72	0.00	
11	1.72	4.18	4.18	5.93	25.36	35.13	75.88	6.64	4.88	2.66	1.72	0.00	
12	1.72	4.88	3.13	7.69	18.54	37.14	98.67	6.29	4.53	2.50	1.57	0.00	
13	1.72	11.71	2.97	8.04	13.81	30.08	86.71	6.29	4.18	2.50	1.25	0.00	
14	1.57	9.79	8.04	6.99	13.81	21.68	58.54	6.64	3.83	2.35	0.94	0.00	
15	1.57	5.93	9.79	9.09	16.96	20.64	44.48	9.44	3.83	2.35	0.78	0.00	
16	1.57	3.48	13.29	9.09	15.91	26.93	53.82	8.74	3.83	2.19	0.94	0.00	
17	1.57	3.13	17.49	10.14	12.76	24.83	83.10	7.69	3.48	2.04	1.10	0.00	
18	1.57	8.04	9.44	14.34	9.79	24.31	67.93	7.34	3.48	1.88	1.25	0.00	
19	5.58	28.51	7.34	10.14	9.09	35.13	47.81	6.99	3.13	1.72	1.41	0.00	
20	30.61	33.13	6.29	5.93	7.34	37.14	34.47	7.69	2.97	1.72	1.41	0.00	
21	11.19	23.26	8.04	5.93	6.64	21.68	27.46	7.34	2.97	1.72	1.41	0.00	
22	5.58	16.44	9.79	13.29	5.58	18.54	22.73	6.29	3.13	1.72	1.10	0.00	
23	6.29	18.54	9.44	19.59	5.93	23.78	20.64	6.29	2.97	1.88	0.16	0.00	
24	5.58	13.29	5.23	18.01	5.93	33.80	22.21	5.58	2.97	1.72	0.00	0.00	
25	3.48	7.69	4.53	15.39	8.04	30.61	18.54	6.29	2.82	1.72	0.00	0.00	
26	2.66	5.93	3.48	10.67	14.34	45.81	15.39	12.24	2.82	1.72	0.00	0.00	
27	2.35	5.23	3.13	6.99	13.29	85.27	13.81	15.39	2.82	1.72	0.00	0.00	
28	2.19	4.18	5.23	4.88	47.81	168.88	21.68	10.67	2.97	1.57	0.00	0.00	
29	5.93	2.97	6.64	3.13	53.15	117.16	23.26	8.74	2.82	1.72	0.00	0.00	
30	5.58	2.97	6.64	2.82	26.93	75.15	18.54	6.99	2.82	1.57	0.00	0.00	
31		6.64		5.23	15.39		15.39		2.82	1.57	0.00	0.00	
Total	125.49	259.19	210.66	225.99	697.30	1089.08	1938.00	253.44	148.33				

WATER YEAR : 2022

SAKAE KRANG RIVER BASIN

Nam Mae Wong at Ban Pang Makha, Kamphaeng Phet (Ct.5A)

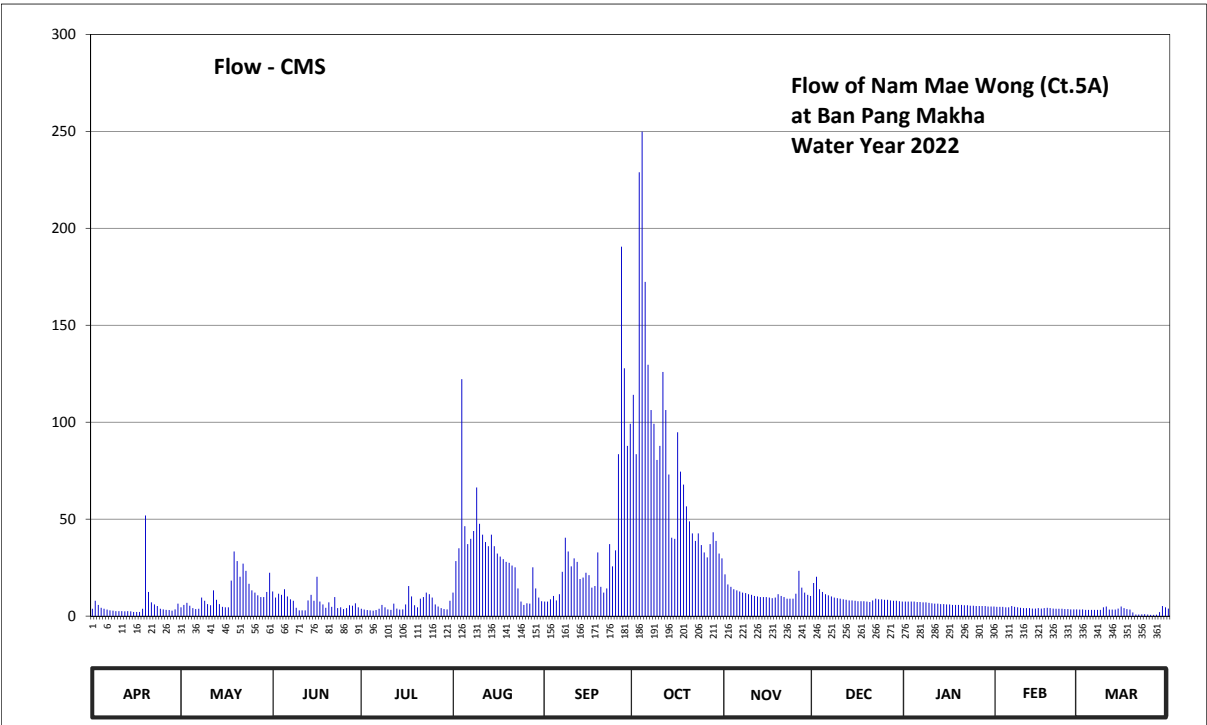
Lat 15 - 55 - 42 N Long 99 - 30 - 09 E

Location : on left bank behind Wat Pang Makha.

	Ban Pang Makha	Amphoe Khanu Worakabsaburi	Changwat Kamphaeng Phet
Drainage Area	980 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	In front of the station office	Elevation	+108.090 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1969 to date		
Rating Operation			
Period of Rating	1969 to date		
Rated by Float	-		
Rated by Current Meter	1969 to date		
Stability of Channel Regimes	Fairly stable		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Flow effected by the local weir above gage site estimated by recession equation. Stage-discharge relation defined by 7 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	103.59	103.63	103.96	103.59	103.94	103.77	105.54	104.19	104.08	103.77	103.64	103.56	
2	103.79	103.69	103.85	103.56	104.34	103.77	105.19	104.06	104.16	103.77	103.64	103.57	
3	103.69	103.74	103.92	103.54	104.47	103.82	106.68	104.03	104.00	103.77	103.64	103.55	
4	103.62	103.67	103.90	103.53	105.63	103.88	106.87	104.00	103.95	103.77	103.63	103.55	
5	103.59	103.61	104.00	103.52	104.67	103.80	106.14	103.98	103.91	103.76	103.63	103.55	
6	103.56	103.58	103.87	103.54	104.51	103.91	105.71	103.96	103.89	103.76	103.66	103.55	
7	103.53	103.59	103.82	103.59	104.56	104.22	105.45	103.94	103.87	103.75	103.64	103.55	
8	103.52	103.85	103.79	103.69	104.63	104.57	105.37	103.93	103.85	103.75	103.63	103.55	
9	103.50	103.79	103.62	103.63	104.96	104.44	105.15	103.91	103.84	103.74	103.62	103.63	
10	103.50	103.71	103.53	103.57	104.69	104.28	105.24	103.90	103.83	103.73	103.61	103.65	
11	103.50	103.68	103.53	103.55	104.60	104.37	105.67	103.88	103.82	103.72	103.61	103.56	
12	103.49	103.98	103.53	103.72	104.53	104.33	105.45	103.87	103.81	103.72	103.61	103.56	
13	103.50	103.81	103.80	103.60	104.49	104.13	105.05	103.86	103.80	103.71	103.60	103.56	
14	103.49	103.71	103.90	103.56	104.60	104.15	104.57	103.86	103.80	103.71	103.60	103.60	
15	103.47	103.64	103.79	103.57	104.49	104.21	104.56	103.86	103.79	103.70	103.61	103.65	
16	103.47	103.63	104.16	103.70	104.42	104.18	105.32	103.85	103.78	103.70	103.60	103.61	
17	103.47	103.63	103.77	104.04	104.39	104.02	105.07	103.84	103.78	103.69	103.61	103.58	
18	103.59	104.11	103.70	103.87	104.36	104.04	104.98	103.85	103.78	103.69	103.62	103.56	
19	104.76	104.44	103.62	103.68	104.33	104.43	104.83	103.91	103.77	103.69	103.61	103.45	
20	103.95	104.34	103.75	103.63	104.32	104.03	104.71	103.88	103.76	103.69	103.60	103.33	
21	103.75	104.16	103.64	103.83	104.29	103.94	104.61	103.86	103.80	103.68	103.59	103.33	
22	103.70	104.31	103.86	103.86	104.27	104.01	104.54	103.83	103.83	103.68	103.59	103.34	
23	103.66	104.23	103.61	103.94	104.01	104.51	104.61	103.83	103.82	103.67	103.59	103.35	
24	103.59	104.07	103.63	103.91	103.77	104.28	104.50	103.83	103.82	103.67	103.58	103.33	
25	103.57	103.98	103.58	103.85	103.69	104.45	104.43	103.92	103.81	103.66	103.58	103.31	
26	103.55	103.94	103.61	103.70	103.73	105.19	104.38	104.23	103.81	103.66	103.57	103.30	
27	103.54	103.89	103.68	103.65	103.72	106.32	104.51	104.02	103.80	103.66	103.57	103.32	
28	103.52	103.86	103.67	103.61	104.27	105.69	104.62	103.94	103.79	103.66	103.57	103.46	
29	103.57	103.86	103.73	103.58	104.01	105.24	104.54	103.90	103.79	103.65		103.66	
30	103.72	103.95	103.63	103.57	103.85	105.37	104.42	103.88	103.78	103.65		103.63	
31		104.21		103.79	103.78		104.37		103.77	103.65		103.60	
Mean	103.63	103.88	103.75	103.68	104.33	104.38	105.07	103.93	103.84	103.71	103.61	103.51	
Max	104.76	104.44	104.16	104.04	105.63	106.32	106.87	104.23	104.16	103.77	103.66	103.66	106.87
Min	103.47	103.58	103.53	103.52	103.69	103.77	104.37	103.83	103.76	103.65	103.57	103.30	103.30
Annual Max Momentary Gage Height	107.54		m. (MSL.) ,			at 01.00 Hours ,	on Oct 4, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	102.21	m. (MSL.)					
Left Bank Elevation		110.71	m. (MSL.) ,										
Right Bank Elevation		110.72	m. (MSL.) ,			Drainage Are	980	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.77	4.53	12.72	3.77	12.15	7.47	114.14	21.53	17.10	7.47	4.74	3.37	
2	7.89	5.79	9.55	3.37	28.41	7.47	83.49	16.30	20.32	7.47	4.74	3.50	
3	5.79	6.84	11.57	3.11	34.98	8.68	228.89	15.09	13.88	7.47	4.74	3.24	
4	4.32	5.37	10.99	2.98	122.20	10.41	249.85	13.88	12.44	7.47	4.53	3.24	
5	3.77	4.11	13.88	2.84	46.36	8.10	172.37	13.30	11.28	7.26	4.53	3.24	
6	3.37	3.64	10.12	3.11	37.15	11.28	129.65	12.72	10.70	7.26	5.16	3.24	
7	2.98	3.77	8.68	3.77	39.86	22.86	106.24	12.15	10.12	7.05	4.74	3.24	
8	2.84	9.55	7.89	5.79	43.89	40.40	99.21	11.86	9.55	7.05	4.53	3.24	
9	2.58	7.89	4.32	4.53	66.32	33.35	80.51	11.28	9.26	6.84	4.32	4.53	
10	2.58	6.21	2.98	3.50	47.60	25.63	87.76	10.99	8.97	6.63	4.11	4.95	
11	2.58	5.58	2.98	3.24	42.03	29.79	125.92	10.41	8.68	6.42	4.11	3.37	
12	2.45	13.30	2.98	6.42	38.23	27.94	106.24	10.12	8.39	6.42	4.11	3.37	
13	2.58	8.39	8.10	3.90	36.06	19.11	73.04	9.83	8.10	6.21	3.90	3.37	
14	2.45	6.21	10.99	3.37	42.03	19.92	40.40	9.83	8.10	6.21	3.90	3.90	
15	2.18	4.74	7.89	3.50	36.06	22.39	39.86	9.83	7.89	6.00	4.11	4.95	
16	2.18	4.53	20.32	6.00	32.27	21.13	94.81	9.55	7.68	6.00	3.90	4.11	
17	2.18	4.53	7.47	15.49	30.72	14.69	74.53	9.26	7.68	5.79	4.11	3.64	
18	3.77	18.31	6.00	10.12	29.33	15.49	67.81	9.55	7.68	5.79	4.32	3.37	
19	51.93	33.35	4.32	5.58	27.94	32.81	56.64	11.28	7.47	5.79	4.11	1.92	
20	12.44	28.41	7.05	4.53	27.48	15.09	48.83	10.41	7.26	5.79	3.90	0.82	
21	7.05	20.32	4.74	8.97	26.09	12.15	42.65	9.83	8.10	5.58	3.77	0.82	
22	6.00	27.02	9.83	9.83	25.17	14.28	38.78	8.97	8.97	5.58	3.77	0.88	
23	5.16	23.32	4.11	12.15	14.28	37.15	42.65	8.97	8.68	5.37	3.77	0.95	
24	3.77	16.70	4.53	11.28	7.47	25.63	36.61	8.97	8.68	5.37	3.64	0.82	
25	3.50	13.30	3.64	9.55	5.79	33.89	32.81	11.57	8.39	5.16	3.64	0.69	
26	3.24	12.15	4.11	6.00	6.63	83.49	30.26	23.32	8.39	5.16	3.50	0.63	
27	3.11	10.70	5.58	4.95	6.42	190.55	37.15	14.69	8.10	5.16	3.50	0.76	
28	2.84	9.83	5.37	4.11	25.17	127.79	43.27	12.15	7.89	5.16	3.50	2.05	
29	3.50	9.83	6.63	3.64	14.28	87.76	38.78	10.99	7.89	4.95		5.16	
30	6.42	12.44	4.53	3.50	9.55	99.21	32.27	10.41	7.68	4.95		4.53	
31		22.39		7.89	7.68		29.79		7.47	4.95		3.90	
Total	169.22	363.05	223.87	180.79	969.60	1105.91	2485.21	359.04	292.79	189.78	115.70	89.80	6544.76 CMSDAY
Mean	5.64	11.71	7.46	5.83	31.28	36.86	80.17	11.97	9.44	6.12	4.13	2.90	17.93 CMS
Max	51.93	33.35	20.32	15.49	122.20	190.55	249.85	23.32	20.32	7.47	5.16	5.16	249.85 CMS
Min	2.18	3.64	2.98	2.84	5.79	7.47	29.79	8.97	7.26	4.95	3.50	0.63	0.63 CMS
Runoff	14.62	31.37	19.34	15.62	83.77	95.55	214.72	31.02	25.30	16.40	10.00	7.76	565.47 MCM
Momentary Peak	324.82 CMS. at 107.54 m. (MSL.) at 01.00 Hours , on Oct 4, 2022												
Runoff Yield	18.30	Liters/Second/Square KM.			Momentary Peak Yield		331.47	Liters/Second/Square KM.					

Lat 15 - 38 - 31 N Long 99 - 30 - 29 E

	Ban	Mai Khlong Charoen	Amphoe	Mae Poen	Changwat	Nakhon Sawan
Drainage Area	391	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the sling pole.				Elevation	+107.830 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1975 - 1978, 2008 to date					
Rating Operation						
Period of Rating	1975 - 1978, 2008 to date					
Rated by Flot	-					
Rated by Current Meter	1975 - 1978, 2008 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 2 discharge measurements made in 2022.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	101.05	101.30	101.05	101.20	101.20	101.50	101.75	101.30	101.65	101.05	101.05	101.05	
2	101.05	101.30	101.05	101.20	101.20	101.50	102.20	101.30	101.55	101.05	101.05	101.05	
3	101.35	101.28	101.05	101.20	101.25	102.18	102.30	101.30	101.55	101.05	101.05	101.05	
4	101.30	101.28	101.05	101.20	101.30	102.18	103.80	101.05	101.20	101.05	101.05	101.05	
5	101.60	101.05	101.05	101.20	101.25	102.17	103.50	101.05	101.19	101.05	101.05	101.05	
6	101.60	101.05	101.05	101.20	101.15	102.10	102.79	101.05	101.15	101.05	101.05	101.05	
7	101.60	101.05	101.05	101.20	101.15	102.30	102.47	101.05	101.15	101.05	101.05	101.05	
8	101.60	101.05	101.05	101.20	101.15	102.30	102.20	101.05	101.15	101.05	101.05	101.05	
9	101.50	101.05	101.05	101.20	101.05	102.30	102.20	101.05	101.15	101.05	101.05	101.05	
10	102.08	101.05	101.60	101.20	101.20	102.30	102.20	101.08	101.15	101.05	101.05	101.05	
11	102.08	101.05	101.40	101.20	101.20	101.60	101.93	101.05	101.14	101.05	101.05	101.05	
12	102.08	101.05	101.35	101.20	101.30	101.55	101.20	101.05	101.11	101.05	101.05	101.05	
13	102.08	101.05	101.35	101.20	101.30	101.55	101.10	101.05	101.11	101.05	101.05	101.05	
14	102.08	101.05	101.35	101.20	101.30	102.20	101.10	101.05	101.11	101.05	101.05	101.05	
15	102.08	101.05	101.35	101.20	101.35	102.20	101.15	101.05	101.11	101.05	101.05	101.05	
16	102.08	101.05	101.35	101.20	101.30	102.20	101.30	101.05	101.10	101.05	101.05	101.05	
17	102.05	101.05	101.35	101.20	101.50	102.20	101.70	101.05	101.10	101.05	101.05	101.05	
18	102.05	101.05	101.35	101.20	101.48	102.20	101.80	101.50	101.10	101.05	101.05	101.05	
19	102.05	101.05	101.35	101.20	101.45	102.20	101.70	101.75	101.10	101.05	101.05	101.05	
20	101.60	101.05	101.35	101.20	101.45	102.20	101.55	101.78	101.10	101.05	101.05	101.05	
21	101.05	101.05	101.35	101.20	101.48	102.20	101.60	101.78	101.10	101.05	101.05	101.05	
22	101.05	101.05	101.35	101.20	101.48	102.10	101.55	101.78	101.10	101.05	101.05	101.05	
23	101.06	101.05	101.35	101.25	101.48	102.10	101.50	101.78	101.05	101.05	101.05	101.05	
24	101.05	101.05	101.30	101.25	101.48	102.40	101.45	101.78	101.05	101.05	101.05	101.05	
25	101.05	101.05	101.30	101.25	101.48	102.04	101.45	101.55	101.05	101.05	101.05	101.05	
26	101.05	101.05	101.30	101.25	101.48	102.04	101.40	101.55	101.05	101.05	101.05	101.05	
27	101.05	101.05	101.30	101.25	101.48	102.10	101.35	101.55	101.05	101.05	101.05	101.05	
28	101.05	101.05	101.30	101									

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.72	4.73	0.72	2.88	2.88	8.73	14.35	4.73	12.04	0.72	0.72	0.72	
2	0.72	4.73	0.72	2.88	2.88	8.73	25.09	4.73	9.81	0.72	0.72	0.72	
3	5.66	4.36	0.72	2.88	3.81	24.61	27.60	4.73	9.81	0.72	0.72	0.72	
4	4.73	4.36	0.72	2.88	4.73	24.61	70.21	0.72	2.88	0.72	0.72	0.72	
5	10.88	0.72	0.72	2.88	3.81	24.37	59.79	0.72	2.74	0.72	0.72	0.72	
6	10.88	0.72	0.72	2.88	2.16	22.70	39.74	0.72	2.16	0.72	0.72	0.72	
7	10.88	0.72	0.72	2.88	2.16	27.60	31.83	0.72	2.16	0.72	0.72	0.72	
8	10.88	0.72	0.72	2.88	2.16	27.60	25.09	0.72	2.16	0.72	0.72	0.72	
9	8.73	0.72	0.72	2.88	0.72	27.60	25.09	0.72	2.16	0.72	0.72	0.72	
10	22.22	0.72	10.88	2.88	2.88	27.60	25.09	1.15	2.16	0.72	0.72	0.72	
11	22.22	0.72	6.58	2.88	2.88	10.88	18.62	0.72	2.02	0.72	0.72	0.72	
12	22.22	0.72	5.66	2.88	4.73	9.81	2.88	0.72	1.58	0.72	0.72	0.72	
13	22.22	0.72	5.66	2.88	4.73	9.81	1.44	0.72	1.58	0.72	0.72	0.72	
14	22.22	0.72	5.66	2.88	4.73	25.09	1.44	0.72	1.58	0.72	0.72	0.72	
15	22.22	0.72	5.66	2.88	5.66	25.09	2.16	0.72	1.58	0.72	0.72	0.72	
16	22.22	0.72	5.66	2.88	4.73	25.09	4.73	0.72	1.44	0.72	0.72	0.72	
17	21.50	0.72	5.66	2.88	8.73	25.09	13.19	0.72	1.44	0.72	0.72	0.72	
18	21.50	0.72	5.66	2.88	8.30	25.09	15.50	8.73	1.44	0.72	0.72	0.72	
19	21.50	0.72	5.66	2.88	7.66	25.09	13.19	14.35	1.44	0.72	0.72	0.72	
20	10.88	0.72	5.66	2.88	7.66	25.09	9.81	15.04	1.44	0.72	0.72	0.72	
21	0.72	0.72	5.66	2.88	8.30	25.09	10.88	15.04	1.44	0.72	0.72	0.72	
22	0.72	0.72	5.66	2.88	8.30	22.70	9.81	15.04	1.44	0.72	0.72	0.72	
23	0.86	0.72	5.66	3.81	8.30	22.70	8.73	15.04	0.72	0.72	0.72	0.72	
24	0.72	0.72	4.73	3.81	8.30	30.10	7.66	15.04	0.72	0.72	0.72	0.72	
25	0.72	0.72	4.73	3.81	8.30	21.26	7.66	9.81	0.72	0.72	0.72	0.72	
26	0.72	0.72	4.73	3.81	8.30	21.26	6.58	9.81	0.72	0.72	0.72	0.72	
27	0.72	0.72	4.73	3.81	8.30	22.70	5.66	9.81	0.72	0.72	0.72	0.72	
28	0.72	0.72	4.73	2.88	8.73	22.70	4.73	9.81	0.72	0.72	0.72	0.72	
29	0.72	0.72	4.73	3.81	8.73	22.70	6.58	9.81	0.72	0.72	0.72	0.72	
30	4.73	0.72	4.73	3.81	9.81	22.70	5.66	9.81	0.72	0.72	0.72	0.72	
31		0.72		3.81	8.73		5.66		0.72	0.72		0.72	
Total	306.35	37.62	124.97	96.72	182.10	664.19	506.45	181.84	72.98	22.32	20.16	22.32	2238.02
Mean	10.21												

WATER YEAR : 2022**SAKAE KRANG RIVER BASIN****Nam Mae Wong at Ban Khok Mo, Uthai Thani (Ct.8)**

Lat 15 - 32 - 21 N Long 99 - 53 - 41 E

Location : on left bank at Ban Khok Mo.

	Ban	Khok Mo	Amphoe	Thap Than	Changwat	Uthai Thani
Drainage Area	2,839	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the sling pole				Elevation	+34.285 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1975 - 1978, 2008 to date					
Rating Operation						
Period of Rating	1975 - 1978, 2008 to date					
Rated by Float	-					
Rated by Current Meter	1975 - 1978, 2008 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 11 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	27.18	28.65	29.38	30.41	29.88	30.65	32.54	30.32	30.27	28.28	27.66	27.76	
2	27.18	28.65	29.14	30.27	30.40	30.38	32.36	30.57	30.41	28.23	27.64	27.75	
3	27.18	28.65	28.93	30.15	30.57	30.50	32.39	30.60	30.48	28.18	27.64	27.73	
4	27.18	28.65	28.84	30.07	30.80	30.42	32.72	30.35	30.40	28.14	27.64	27.72	
5	27.18	28.65	29.19	30.11	30.99	30.47	33.16	30.28	30.19	28.09	27.74	27.72	
6	27.18	29.65	30.81	30.10	30.99	30.50	33.45	30.24	30.11	28.05	27.83	27.70	
7	27.18	30.07	30.70	29.99	30.70	31.09	33.41	30.14	30.04	28.02	27.85	27.70	
8	27.18	30.03	30.39	29.88	30.77	31.74	32.99	29.92	29.98	28.00	27.85	27.69	
9	27.18	30.15	30.16	30.12	30.99	32.30	32.33	29.76	30.02	27.98	27.87	27.69	
10	27.18	30.30	30.28	30.33	31.16	32.56	32.10	29.56	30.02	27.95	27.89	27.68	
11	27.18	30.14	30.60	30.29	31.04	32.18	32.51	29.31	30.02	27.94	27.90	27.68	
12	27.18	30.10	30.55	30.54	30.76	31.66	32.72	29.10	30.01	27.92	27.90	27.65	
13	27.18	30.04	30.52	30.57	30.56	31.26	32.50	28.92	30.03	27.89	27.91	27.62	
14	27.18	30.06	30.67	30.59	30.55	31.01	31.72	28.76	30.01	27.88	27.92	27.59	
15	27.18	30.14	31.05	30.50	30.54	30.84	31.04	28.65	29.99	27.87	27.92	27.56	
16	27.18	30.03	30.82	30.48	30.59	30.72	30.96	28.58	29.95	27.85	27.92	27.54	
17	27.18	30.02	30.65	30.55	30.75	30.77	31.24	28.55	29.84	27.85	27.92	27.52	
18	27.18	30.18	30.53	30.66	30.70	30.83	31.36	28.56	29.73	27.80	27.92	27.51	
19	27.60	30.72	30.52	30.65	30.57	30.92	31.02	28.70	29.63	27.77	27.90	27.50	
20	28.65	31.00	30.53	30.40	30.36	31.04	30.73	29.12	29.51	27.75	27.89	27.49	
21	28.65	30.82	30.59	30.20	30.27	30.94	30.61	29.79	29.36	27.74	27.89	27.46	
22	28.65	30.55	30.44	30.25	30.11	30.83	30.60	30.11	29.20	27.74	27.86	27.42	
23	28.65	30.31	30.34	30.83	30.29	30.83	30.43	30.26	29.04	27.73	27.85	27.39	
24	28.65	30.24	30.19	30.98	30.38	31.21	30.56	30.32	28.89	27.73	27.85	27.37	
25	28.65	29.85	30.02	30.71	30.38	31.48	30.58	30.42	28.76	27.72	27.83	27.34	
26	28.65	29.92	30.07	30.54	30.63	31.70	30.67	30.41	28.65	27.70	27.81	27.30	
27	28.65	30.09	30.23	30.51	30.94	31.96	30.67	30.50	28.56	27.69	27.79	27.28	
28	28.65	29.94	30.28	30.41	31.13	31.92	30.57	30.41	28.49	27.67	27.77	27.26	
29	28.65	29.70	30.56	29.74	31.34	32.19	30.52	30.23	28.43	27.66		27.23	
30	28.65	29.72	30.57	28.98	31.30	32.62	30.73	30.23	28.40	27.67		27.23	
31		29.61		29.09	30.99		30.35		28.33	27.67		27.23	
Mean	27.73	29.89	30.25	30.29	30.69	31.25	31.60	29.76	29.57	27.88	27.83	27.53	
Max	28.65	31.00	31.05	30.98	31.34	32.62	33.45	30.60	30.48	28.28	27.92	27.76	33.45
Min	27.18	28.65	28.84	28.98	29.88	30.38	30.35	28.55	28.33	27.66	27.64	27.23	27.18
Annual Max Momentary Gage Height	33.54		m. (MSL.) ,			at 20.00 Hours ,	on Oct 6, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	25.64	m. (MSL.)					
Left Bank Elevation		34.29	m. (MSL.) ,										
Right Bank Elevation		34.29	m. (MSL.) ,			Drainage Are	2,839	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	33.80	0.00	53.25	217.28	26.60	22.60	0.00	0.00	0.00	
2	0.00	0.00	0.00	22.60	33.00	31.40	201.27	46.60	33.80	0.00	0.00	0.00	
3	0.00	0.00	0.00	12.75	46.60	41.00	204.14	49.00	39.40	0.00	0.00	0.00	
4	0.00	0.00	0.00	5.95	66.00	34.60	233.79	29.00	33.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	9.35	81.20	38.60	276.74	23.40	16.15	0.00	0.00	0.00	
6	0.00	0.00	66.80	8.50	81.20	41.00	306.19	20.20	9.35	0.00	0.00	0.00	
7	0.00	5.95	57.50	0.00	57.50	89.65	301.99	11.90	3.40	0.00	0.00	0.00	
8	0.00	2.55	32.20	0.00	63.45	144.60	259.61	0.00	0.00	0.00	0.00	0.00	
9	0.00	12.75	13.60	10.20	81.20	195.55	198.41	0.00	1.70	0.00	0.00	0.00	
10	0.00	25.00	23.40	27.40	95.60	219.02	177.09	0.00	1.70	0.00	0.00	0.00	
11	0.00	11.90	49.00	24.20	85.40	184.22	214.67	0.00	1.70	0.00	0.00	0.00	
12	0.00	8.50	45.00	44.20	62.60	137.40	233.79	0.00	0.85	0.00	0.00	0.00	
13	0.00	3.40	42.60	46.60	45.80	103.80	213.80	0.00	2.55	0.00	0.00	0.00	
14	0.00	5.10	54.95	48.20	45.00	82.85	142.80	0.00	0.85	0.00	0.00	0.00	
15	0.00	11.90	86.25	41.00	44.20	69.20	85.40	0.00	0.00	0.00	0.00	0.00	
16	0.00	2.55	67.60	39.40	48.20	59.20	78.80	0.00	0.00	0.00	0.00	0.00	
17	0.00	1.70	53.25	45.00	61.75	63.45	102.20	0.00	0.00	0.00	0.00	0.00	
18	0.00	15.30	43.40	54.10	57.50	68.40	111.80	0.00	0.00	0.00	0.00	0.00	
19	0.00	59.20	42.60	53.25	46.60	75.60	83.70	0.00	0.00	0.00	0.00	0.00	
20	0.00	82.00	43.40	33.00	29.80	85.40	60.05	0.00	0.00	0.00	0.00	0.00	
21	0.00	67.60	48.20	17.00	22.60	77.20	49.85	0.00	0.00	0.00	0.00	0.00	
22	0.00	45.00	36.20	21.00	9.35	68.40	49.00	9.35	0.00	0.00	0.00	0.00	
23	0.00	25.80	28.20	68.40	24.20	68.40	35.40	21.80	0.00	0.00	0.00	0.00	
24	0.00	20.20	16.15	80.40	31.40	99.80	45.80	26.60	0.00	0.00	0.00	0.00	
25	0.00	0.00	1.70	58.35	31.40	121.80	47.40	34.60	0.00	0.00	0.00	0.00	
26	0.00	0.00	5.95	44.20	51.55	141.00	54.95	33.80	0.00	0.00	0.00	0.00	
27	0.00	7.65	19.40	41.80	77.20	164.54	54.95	41.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	23.40	33.80	93.05	160.90	46.60	33.80	0.00	0.00	0.00	0.00	
29	0.00	0.00	45.80	0.00	110.20	185.11	42.60	19.40	0.00	0.00	0.00	0.00	
30	0.00	0.00	46.60	0.00	107.00	224.38	60.05	19.40	0.00	0.00	0.00	0.00	
31		0.00		0.00	81.20		29.00		0.00	0.00		0.00	
Total	0.00	414.05	99										

WATER YEAR : 2022**SAKAE KRANG RIVER BASIN****Huai Tak Dad at Ban Don Yai, Uthai Thani (Ct.19)**

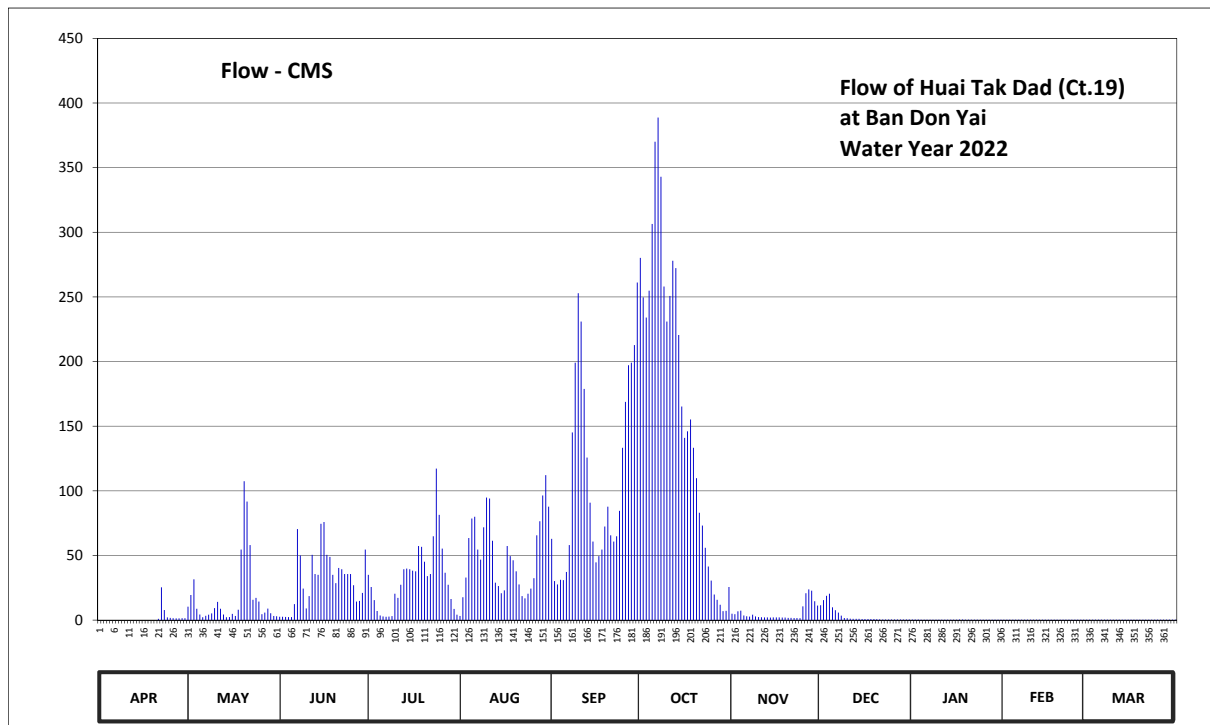
Lat 15 - 27 - 37 N Long 100 - 01 - 18 E

Location : on right bank at Ban Don Yai

	Ban	Don Yai	Amphoe	Mueang	Changwat	Uthai Thani
Drainage Area	4,083	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 5.00 meters from the top staff gage.				Elevation	+24.432 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1998 to date					
Rating Operation						
Period of Rating	1998 to date					
Rated by Float	-					
Rated by Current Meter	1998 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 13 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	17.11	18.82	18.12	19.66	18.20	20.14	22.55	18.42	18.87	17.64	17.60	17.60	
2	17.11	19.22	18.12	19.41	19.15	19.55	22.27	18.39	19.05	17.64	17.60	17.60	
3	17.11	19.59	18.11	19.05	19.62	19.47	22.12	18.56	19.20	17.64	17.60	17.60	
4	17.11	18.71	18.10	18.58	20.15	19.58	22.32	18.60	19.25	17.63	17.60	17.60	
5	17.11	18.36	18.10	18.26	20.37	19.57	22.78	18.25	18.80	17.63	17.60	17.60	
6	17.11	18.08	18.91	18.16	20.39	19.70	23.30	18.17	18.63	17.63	17.60	17.60	
7	17.11	18.23	20.25	18.13	20.02	20.07	23.45	18.15	18.49	17.63	17.60	17.60	
8	17.11	18.34	19.94	18.14	19.88	21.19	23.08	18.34	18.24	17.63	17.60	17.60	
9	17.11	18.44	19.37	18.19	20.27	21.77	22.35	18.16	17.99	17.63	17.60	17.60	
10	17.11	18.75	18.73	19.25	20.58	22.30	22.09	18.10	17.94	17.63	17.60	17.60	
11	17.11	18.99	19.19	19.13	20.57	22.09	22.28	18.08	17.83	17.63	17.60	17.60	
12	17.11	18.71	19.95	19.46	20.12	21.56	22.53	18.06	17.82	17.63	17.60	17.60	
13	17.11	18.36	19.67	19.74	19.51	20.96	22.48	18.06	17.80	17.63	17.60	17.60	
14	17.11	18.08	19.66	19.75	19.43	20.53	21.99	18.05	17.79	17.63	17.60	17.60	
15	17.11	18.10	20.31	19.74	19.26	20.11	21.41	18.06	17.78	17.63	17.61	17.60	
16	17.11	18.41	20.33	19.72	19.33	19.84	21.14	18.06	17.78	17.63	17.60	17.60	
17	17.11	18.20	19.95	19.71	20.06	19.93	21.20	18.06	17.78	17.65	17.60	17.60	
18	17.11	18.66	19.92	20.06	19.93	20.02	21.30	18.05	17.77	17.64	17.60	17.60	
19	17.11	20.02	19.66	20.05	19.87	20.28	21.05	18.04	17.76	17.63	17.60	17.60	
20	17.11	20.74	19.50	19.85	19.71	20.49	20.77	18.02	17.71	17.63	17.60	17.60	
21	17.81	20.54	19.76	19.64	19.47	20.18	20.43	18.01	17.69	17.62	17.60	17.60	
22	19.40	20.07	19.74	19.67	19.19	20.11	20.29	17.99	17.66	17.60	17.60	17.60	
23	18.64	19.06	19.67	20.17	19.11	20.17	20.04	17.98	17.66	17.61	17.60	17.60	
24	18.06	19.13	19.67	20.86	19.25	20.45	19.78	17.97	17.65	17.60	17.60	17.60	
25	18.01	19.00	19.67	20.41	19.37	21.05	19.56	18.83	17.65	17.60	17.60	17.60	
26	17.96	18.38	19.45	20.03	19.61	21.45	19.23	19.26	17.65	17.61	17.60	17.60	
27	17.91	18.49	19.00	19.69	20.18	21.75	19.06	19.35	17.65	17.60	17.60	17.60	
28	17.91	18.72	19.02	19.46	20.34	21.77	18.89	19.32	17.66	17.60	17.60	17.60	
29	17.94	18.45	19.27	19.09	20.60	21.91	18.57	19.01	17.65	17.60		17.60	
30	17.94	18.20	20.02	18.70	20.80	22.38	18.59	18.86	17.64	17.61		17.60	
31		18.17		18.34	20.49		19.41		17.64	17.61		17.60	
Mean	17.46	18.81	19.37	19.36	19.83	20.68	21.17	18.34	18.02	17.62	17.60	17.60	
Max	19.40	20.74	20.33	20.86	20.80	22.38	23.45	19.35	19.25	17.65	17.61	17.60	23.45
Min	17.11	18.08	18.10	18.13	18.20	19.47	18.57	17.97	17.64	17.60	17.60	17.60	17.11
Annual Max Momentary Gage Height	23.49		m. (MSL.) ,			at 14.00 Hours ,	on Oct 7, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	16.78	m. (MSL.)					
Left Bank Elevation		24.43	m. (MSL.) ,										
Right Bank Elevation		24.32	m. (MSL.) ,			Drainage Are	4,083	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	10.36	2.54	35.07	3.15	62.81	280.27	4.93	11.47	0.45	0.32	0.32	
2	0.00	19.44	2.54	25.66	17.68	30.24	249.69	4.59	15.46	0.45	0.32	0.32	
3	0.00	31.54	2.47	15.46	32.94	27.62	234.09	6.77	18.79	0.45	0.32	0.32	
4	0.00	8.74	2.39	7.03	63.50	31.22	254.90	7.30	20.43	0.42	0.32	0.32	
5	0.00	4.37	2.39	3.61	78.60	30.89	306.42	3.53	9.92	0.42	0.32	0.32	
6	0.00	2.24	12.36	2.85	79.97	37.20	370.13	2.92	7.69	0.42	0.32	0.32	
7	0.00	3.38	70.36	2.62	54.57	58.01	388.84	2.77	5.85	0.42	0.32	0.32	
8	0.00	4.21	50.00	2.69	46.80	145.22	342.97	4.21	3.45	0.42	0.32	0.32	
9	0.00	5.20	24.35	3.07	71.74	199.12	258.02	2.85	1.60	0.42	0.32	0.32	
10	0.00	9.26	9.00	20.43	94.82	252.82	230.97	2.39	1.43	0.42	0.32	0.32	
11	0.00	14.13	18.57	17.24	94.04	230.97	250.73	2.24	1.07	0.42	0.32	0.32	
12	0.00	8.74	50.53	27.29	61.44	178.86	278.00	2.09	1.04	0.42	0.32	0.32	
13	0.00	4.37	35.60	39.34	28.93	125.71	272.31	2.09	0.98	0.42	0.32	0.32	
14	0.00	2.24	35.07	39.87	26.31	90.89	220.62	2.01	0.94	0.42	0.32	0.32	
15	0.00	2.39	74.48	39.34	20.75	60.75	165.20	2.09	0.91	0.42	0.35	0.32	
16	0.00	4.80	75.86	38.27	23.04	44.67	140.98	2.09	0.91	0.42	0.32	0.32	
17	0.00	3.15	50.53	37.74	57.32	49.47	146.07	2.09	0.91	0.48	0.32	0.32	
18	0.00	8.08	48.93	57.32	49.47	54.57	155.18	2.01	0.88	0.45	0.32	0.32	
19	0.00	54.57	35.07	56.63	46.27	72.42	133.34	1.93	0.84	0.42	0.32	0.32	
20	0.00	107.41	28.60	45.20	37.74	87.74	109.77	1.78	0.68	0.42	0.32	0.32	
21	1.01	91.68	40.40	34.00	27.62	65.56	83.02	1.71	0.62	0.39	0.32	0.32	
22	25.33	58.01	39.34	35.60	18.57	60.75	73.11	1.60	0.52	0.32	0.32	0.32	
23	7.82	15.69	35.60	64.87	16.79	64.87	55.95	1.57	0.52	0.35	0.32	0.32	
24	2.09	17.24	35.60	117.22	20.43	84.59	41.47	1.53	0.48	0.32	0.32	0.32	
25	1.71	14.36	35.60	81.45	24.35	133.34	30.56	10.59	0.48	0.32	0.32	0.32	
26	1.50	4.52	26.97	55.26	32.40	168.84	19.77	20.75	0.48	0.35	0.32	0.32	
27	1.34	5.85	14.36	36.67	65.56	197.16	15.69	23.70	0.48	0.32	0.32	0.32	
28	1.34	8.87	14.80	27.29	76.54	199.12	11.92	22.71	0.52	0.32	0.32	0.32	
29	1.43	5.33	21.08	16.35	96.40	212.80	6.90	14.58	0.48	0.32	0.32	0.32	
30	1.43	3.15	54.57	8.61	112.13	261.14	7.16	11.25	0.45	0.35	0.32	0.32	
31		2.92		4.21	87.74		25.66		0.45	0.35	0.32	0.32	
Total	45.00	536.24	949.96	998.26	1567.61	3319.37	5159.71	172.67	110.73	12.29	8.99	9.92	12890.75
Mean	1.50	17.30	31.67	32.20	50.57	110.65	166.44	5.76	3.57	0.40	0.32	0.32	35.32
Max	25.33	107.41	75.86	117.22	112.13	261.14	388.84	23.70	20.43	0.48	0.35	0.32	388.84
Min	0.00	2.24	2.39	2.62	3.15	27.62	6.90	1.53	0.45	0.32	0.32	0.32	0.00
Runoff	3.89	46.33	82.08	86.25	135.44	286.79	445.80	14.92	9.57	1.06	0.78	0.86	1113.76
Momentary Peak	393.83	CMS. at 23.49 m. (MSL.) at 14.00 Hours , on Oct 7, 2022											
Runoff Yield	8.65	Liters/Second/Square KM.					Momentary Peak Yield	96.45	Liters/Second/Square KM.				

WATER YEAR : 2022**SAKAE KRANG RIVER BASIN****Lower Huai Thap Salao at Ban Saphan Leak, Uthai Thani (Ct.20)**

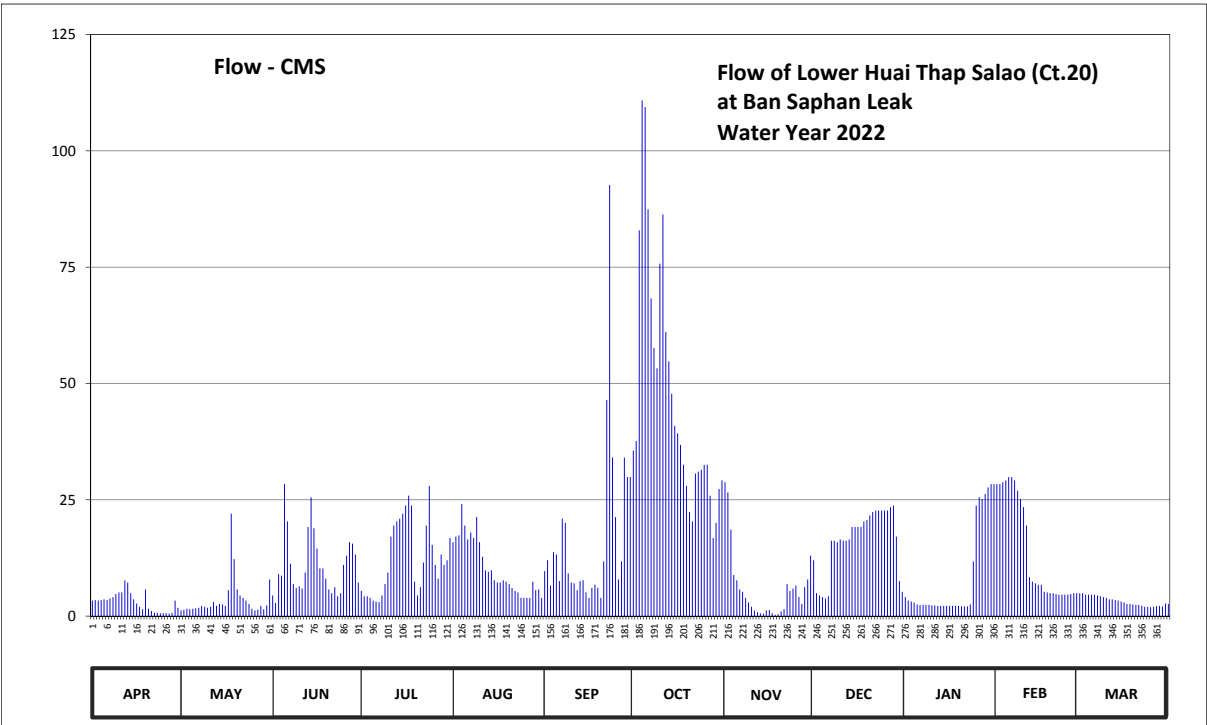
Lat 15 - 26 - 50 N Long 99 - 35 - 13 E

Location : on right bank at Ban Saphan Leak

	Ban	Saphan Leak	Amphoe	Lan Sak	Changwat	Uthai Thani
Drainage Area	674	sq.km.				
Type of Gage	Staff gage.					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the automatic gage buiding				Elevation	+101.800 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	1999 to date					
Rating Operation						
Period of Rating	2007 to date					
Rated by Float	-					
Rated by Current Meter	2007 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow					
General Description	Records good. Stage-discharge relation defined by 13 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

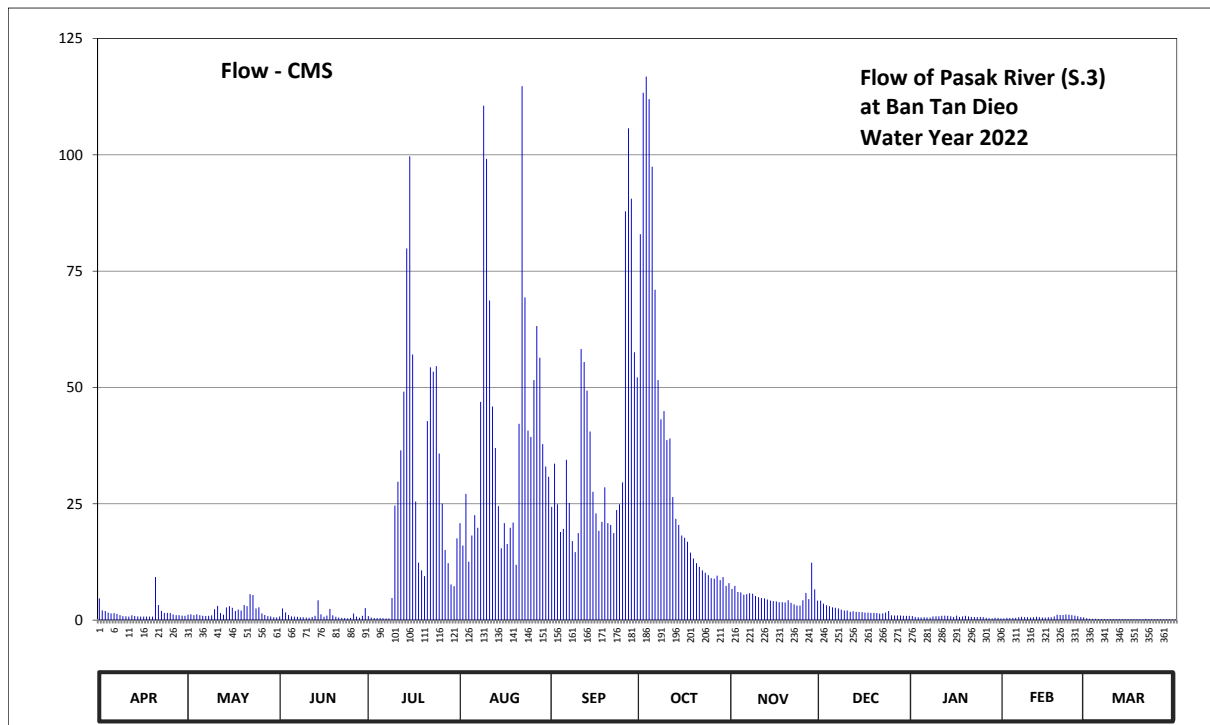
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	98.39	98.18	98.46	98.52	99.03	98.78	99.60	99.42	98.88	98.44	99.41	98.49	
2	98.40	98.20	98.34	98.45	99.07	98.88	99.65	99.36	98.49	98.39	99.41	98.49	
3	98.39	98.22	98.74	98.45	99.08	98.59	100.58	99.12	98.46	98.37	99.42	98.47	
4	98.40	98.21	98.72	98.43	99.29	98.95	101.04	98.73	98.44	98.35	99.43	98.47	
5	98.41	98.22	99.41	98.39	99.15	98.93	101.02	98.66	98.42	98.31	99.45	98.47	
6	98.40	98.23	99.18	98.37	99.05	98.65	100.66	98.54	98.45	98.30	99.45	98.47	
7	98.42	98.24	98.85	98.36	99.10	99.20	100.31	98.51	99.04	98.30	99.43	98.46	
8	98.44	98.28	98.61	98.46	99.06	99.17	100.10	98.43	99.04	98.30	99.37	98.45	
9	98.48	98.26	98.56	98.61	99.21	98.75	100.01	98.35	99.03	98.30	99.32	98.44	
10	98.50	98.24	98.58	98.76	99.03	98.63	100.45	98.26	99.05	98.29	99.27	98.43	
11	98.50	98.26	98.55	99.07	98.91	98.62	100.64	98.17	99.04	98.29	99.15	98.41	
12	98.66	98.36	98.76	99.15	98.79	98.53	100.17	98.12	99.04	98.28	98.70	98.41	
13	98.63	98.28	99.14	99.18	98.77	98.65	100.04	98.09	99.05	98.28	98.64	98.40	
14	98.49	98.32	99.33	99.20	98.79	98.66	99.89	98.08	99.14	98.28	98.62	98.39	
15	98.41	98.31	99.13	99.23	98.66	98.50	99.73	98.18	99.14	98.28	98.60	98.37	
16	98.33	98.28	98.98	99.28	98.63	98.43	99.69	98.19	99.14	98.28	98.60	98.35	
17	98.26	98.53	98.81	99.34	98.63	98.56	99.63	98.09	99.14	98.28	98.51	98.32	
18	98.21	99.23	98.81	99.28	98.66	98.60	99.52	98.04	99.18	98.28	98.50	98.32	
19	98.54	98.89	98.68	98.64	98.64	98.56	99.40	98.06	99.19	98.28	98.49	98.31	
20	98.22	98.54	98.54	98.46	98.61	98.43	99.24	98.15	99.22	98.27	98.49	98.30	
21	98.16	98.46	98.49	98.57	98.56	98.87	99.18	98.21	99.24	98.27	98.48	98.30	
22	98.11	98.43	98.57	98.86	98.52	99.86	99.47	98.61	99.25	98.27	98.47	98.28	
23	98.10	98.39	98.45	99.15	98.50	100.75	99.48	98.52	99.25	98.31	98.47	98.26	
24	98.09	98.32	98.49	99.40	98.43	99.56	99.49	98.55	99.25	98.87	98.47	98.26	
25	98.09	98.22	98.84	99.01	98.43	99.21	99.52	98.59	99.25	99.28	98.47	98.25	
26	98.09	98.18	98.92	98.84	98.43	98.67	99.52	98.44	99.25	99.33	98.48	98.26	
27	98.08	98.20	99.03	98.68	98.43	98.87	99.34	98.32	99.27	99.32	98.49	98.27	
28	98.10	98.28	99.02	98.93	98.64	99.56	99.06	98.57	99.28	99.35	98.49	98.28	
29	98.39	98.21	98.93	98.84	98.53	99.45	99.17	98.67	99.07	99.39		98.27	
30	98.24	98.29	98.63	98.88	98.54	99.45	99.38	98.92	98.65	99.41		98.33	
31		98.67		99.06	98.43		99.43		98.51	99.41		98.32	
Mean	98.33	98.35	98.79	98.83	98.76	98.94	99.82	98.47	99.00	98.56	98.86	98.36	
Max	98.66	99.23	99.41	99.40	99.29	100.75	101.04	99.42	99.28	99.41	99.45	98.49	101.04
Min	98.08	98.18	98.34	98.36	98.43	98.43	99.06	98.04	98.42	98.27	98.47	98.25	98.04
Annual Max Momentary Gage Height													
	m. (MSL.) ,		at 12.00 Hours , on Oct 4, 2022										
Zero Gage at Bottom Elevation													
	m. (MSL.) ,		River Bed		96.88	m. (MSL.)							
Left Bank Elevation													
	m. (MSL.) ,												
Right Bank Elevation													
	m. (MSL.) ,		Drainage Are		674	Square Kilometers							



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.34	1.23	4.42	5.41	15.89	9.67	35.57	28.76	12.00	4.10	28.38	4.92	
2	3.44	1.37	2.82	4.26	17.08	12.00	37.61	26.59	4.92	3.34	28.38	4.92	
3	3.34	1.58	9.02	4.26	17.37	6.56	82.90	18.56	4.42	3.13	28.76	4.59	
4	3.44	1.47	8.69	3.93	24.11	13.75	110.80	8.85	4.10	2.92	29.14	4.59	
5	3.60	1.58	28.38	3.34	19.45	13.25	109.40	7.70	3.77	2.51	29.89	4.59	
6	3.44	1.68	20.34	3.13	16.48	7.54	87.45	5.74	4.26	2.41	29.89	4.59	
7	3.77	1.78	11.25	3.03	17.97	20.93	68.28	5.24	16.19	2.41	29.14	4.42	
8	4.10	2.20	6.88	4.42	16.78	20.04	57.64	3.93	16.19	2.41	26.94	4.26	
9	4.75	1.99	6.06	6.88	21.28	9.18	53.26	2.92	15.89	2.41	25.17	4.10	
10	5.08	1.78	6.39	9.34	15.89	7.21	75.75	1.99	16.48	2.30	23.41	3.93	
11	5.08	1.99	5.90	17.08	12.75	7.05	86.30	1.17	16.19	2.30	19.45	3.60	
12	7.70	3.03	9.34	19.45	9.84	5.57	61.04	0.82	16.19	2.20	8.36	3.60	
13	7.21	2.20	19.15	20.34	9.51	7.54	54.72	0.62	16.48	2.20	7.38	3.44	
14	4.92	2.61	25.53	20.93	9.84	7.70	47.80	0.55	19.15	2.20	7.05	3.34	
15	3.60	2.51	18.86	21.99	7.70	5.08	40.88	1.23	19.15	2.20	6.72	3.13	
16	2.72	2.20	14.50	23.76	7.21	3.93	39.25	1.30	19.15	2.20	6.72	2.92	
17	1.99	5.57	10.25	25.88	7.21	6.06	36.80	0.62	19.15	2.20	5.24	2.61	
18	1.47	21.99	10.25	23.76	7.70	6.72	32.54	0.27	20.34	2.20	5.08	2.61	
19	5.74	12.25	8.03	7.38	7.38	6.06	28.00	0.41	20.63	2.20	4.92	2.51	
20	1.58	5.74	5.74	4.42	6.88	3.93	22.34	1.03	21.64	2.10	4.92	2.41	
21	1.10	4.42	4.92	6.23	6.06	11.75	20.34	1.47	22.34	2.10	4.75	2.41	
22	0.75	3.93	6.23	11.50	5.41	46.45	30.65	6.88	22.70	2.10	4.59	2.20	
23	0.69	3.34	4.26	19.45	5.08	92.63	31.03	5.41	22.70	2.51	4.59	1.99	
24	0.62	2.61	4.92	28.00	3.93	34.06	31.41	5.90	22.70	11.75	4.59	1.99	
25	0.62	1.58	11.00	15.30	3.93	21.28	32.54	6.56	22.70	23.76	4.59	1.89	
26	0.62	1.23	13.00	11.00	3.93	7.87	32.54	4.10	22.70	25.53	4.75	1.99	
27	0.55	1.37	15.89	8.03	3.93	11.75	25.88	2.61	23.41	25.17	4.92	2.10	
28	0.69	2.20	15.59	13.25	7.38	34.06	16.78	6.23	23.76	26.23	4.92	2.20	
29	3.34	1.47	13.25	11.00	5.57	29.89	20.04	7.87	17.08	27.65		2.10	
30	1.78	2.30	7.21	12.00	5.74	29.89	27.29	13.00	7.54	28.38		2.72	
31		7.87		16.78	3.93		29.14		5.24	28.38		2.61	
Total	91.07	109.07	328.07	385.53	323.21	499.40	1465.97	178.33	499.16	253.50	392.64	99.28	4625.23 CMSDAY
Mean	3.04	3.52	10.94	12.44	10.43	16.65	47.29	5.94	16.10	8.18	14.02	3.20	12.67 CMS
Max	7.70	21.99	28.38	28.00	24.11	92.63	110.80	28.76	23.76	28.38	29.89	4.92	110.80 CMS
Min	0.55	1.23	2.82	3.03	3.93	3.93	16.78	0.27	3.77	2.10	4.59	1.89	0.27 CMS
Runoff	7.87	9.42	28.35	33.31	27.93	43.15	126.66	15.41	43.13	21.90	33.92	8.58	399.62 MCM
Momentary Peak	113.60 CMS. at 101.08 m. (MSL.) at 12.00 Hours , on Oct 4, 2022												
Runoff Yield	18.80	Liters/Second/Square KM.		Momentary Peak Yield		168.55	Liters/Second/Square KM.						

WATER YEAR : 2022			
PASAK RIVER BASIN			
Pasak River at Ban Tan Dieo , Phetchabun (S.3)			
Lat 16 - 46 - 54 N Long 101 - 14 - 48 E			
Location : on left bank near the bridge of Samakkhichai - Nonthakit Road.			
	Ban Tan Dieo	Amphoe Lom Sak	Changwat Phetchabun
Drainge Area	1,026 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+136.630 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank at the staff gage.	Elevation	+142.630 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings		
Period of Available Gage Records	1950 to date		
Rating Operation			
Period of Rating	1996 to date		
Rated by Float	-		
Rated by Current Meter	1996 to date		
Stability of Channel Regimes	Stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records very good. Flow regulated by the concrete weir about 150 meters downstream from the gage site. Stage-discharge relation defined by 20 discharge measurements made in 2022.		

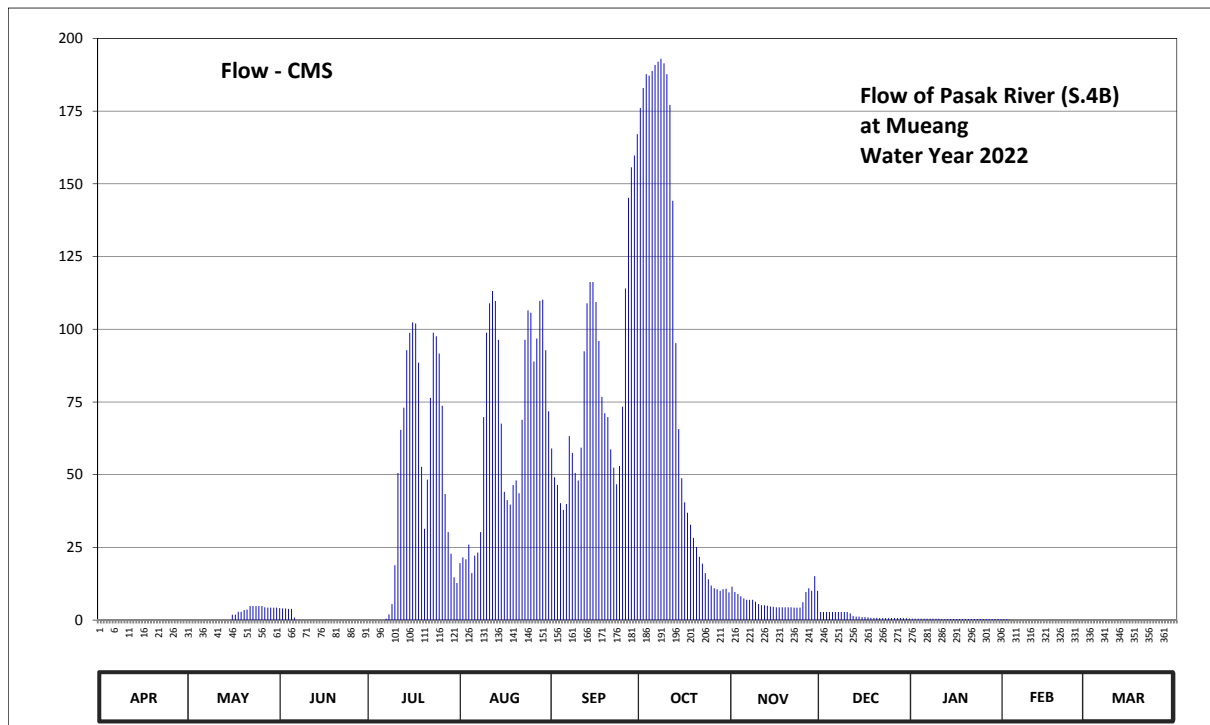
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	140.77	140.21	140.11	140.13	142.25	142.51	145.19	140.99	140.71	140.14	139.98	140.00		
2	140.40	140.23	140.47	140.04	141.86	143.14	145.74	141.06	140.63	140.08	140.02	139.96		
3	140.37	140.19	140.31	140.01	142.71	142.55	145.79	140.92	140.58	140.06	140.01	139.94		
4	140.30	140.23	140.20	140.01	141.56	142.10	145.72	140.91	140.55	140.05	140.02	139.93		
5	140.27	140.19	140.11	140.01	142.04	142.15	145.49	140.86	140.51	140.06	140.02	139.92		
6	140.28	140.15	140.10	140.00	142.38	143.19	144.86	140.87	140.49	140.05	140.06	139.92		
7	140.25	140.14	140.09	139.99	142.17	142.57	144.11	140.89	140.47	140.04	140.09	139.91		
8	140.19	140.15	140.06	139.99	143.88	141.94	143.69	140.88	140.42	140.11	140.07	139.91		
9	140.13	140.18	140.06	140.78	145.70	141.74	143.78	140.83	140.39	140.12	140.06	139.91		
10	140.12	140.44	140.04	142.53	145.52	142.08	143.44	140.80	140.39	140.12	140.04	139.91		
11	140.10	140.56	140.03	142.89	144.79	144.41	143.46	140.78	140.34	140.15	140.06	139.91		
12	140.18	140.28	140.08	143.31	143.83	144.29	142.66	140.77	140.36	140.16	140.09	139.91		
13	140.14	140.21	140.15	143.99	143.34	144.00	142.32	140.74	140.34	140.15	140.07	139.90		
14	140.11	140.50	140.72	145.11	142.52	143.55	142.22	140.71	140.33	140.12	140.04	139.90		
15	140.10	140.55	140.23	145.53	141.81	142.74	142.04	140.70	140.32	140.08	140.04	139.89		
16	140.10	140.49	140.09	144.36	142.25	142.41	142.00	140.69	140.30	140.16	140.06	139.89		
17	140.10	140.37	140.16	142.59	141.89	142.12	141.93	140.67	140.30	140.08	140.06	139.89		
18	140.10	140.43	140.45	141.54	142.17	142.27	141.73	140.67	140.29	140.11	140.11	139.88		
19	140.10	140.39	140.18	141.39	142.26	142.81	141.62	140.66	140.29	140.15	140.21	139.88		
20	141.25	140.59	140.09	141.27	141.50	142.25	141.53	140.72	140.28	140.11	140.20	139.89		
21	140.59	140.55	140.04	143.67	143.64	142.22	141.46	140.65	140.26	140.08	140.20	139.93		
22	140.38	140.87	140.02	144.24	145.76	142.08	141.39	140.61	140.27	140.07	140.22	139.91		
23	140.29	140.85	140.01	144.20	144.81	142.46	141.34	140.57	140.30	140.07	140.21	139.89		
24	140.29	140.47	140.00	144.25	143.56	142.55	141.29	140.57	140.37	140.08	140.19	139.88		
25	140.28	140.51	140.02	143.27	143.48	142.88	141.23	140.72	140.18	140.07	140.16	139.88		
26	140.22	140.27	140.26	142.56	144.11	145.30	141.22	140.90	140.17	140.02	140.12	139.88		
27	140.19	140.20	140.10	141.78	144.60	145.63	141.28	140.75	140.17	140.00	140.07	139.87		
28	140.19	140.13	140.03	141.53	144.33	145.36	141.19	141.54	140.17	139.99	140.05	139.87		
29	140.16	140.11	140.15	141.09	143.39	144.38	141.25	140.98	140.15	140.03		139.87		
30	140.15	140.06	140.48	141.05	143.10	144.14	141.06	140.71	140.15	140.02		139.87		
31		140.05		141.99	142.96		141.12		140.15	139.98		139.87		
Mean	140.27	140.34	140.16	142.10	143.23	143.06	142.68	140.80	140.34	140.08	140.09	139.90		
Max	141.25	140.87	140.72	145.53	145.76	145.63	145.79	141.54	140.71	140.16	140.22	140.00	145.79	
Min	140.10	140.05	140.00	139.99	141.50	141.74	141.06	140.57	140.15	139.98	139.98	139.87	139.87	
Annual Max Momentary Gage Height	145.86	m. (MSL.) ,			at 05.00 Hours , on Aug 22, 2022									
Zero Gage at Bottom Elevation	136.63	m. (MSL.) ,			River Bed	138.18	m. (MSL.)							
Left Bank Elevation		146.11	m. (MSL.) ,											
Right Bank Elevation		145.95	m. (MSL.) ,			Drainage Are	1,026	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.66	1.15	0.79	0.86	20.85	24.34	82.92	6.71	4.18	0.89	0.36	0.40	
2	2.10	1.25	2.52	0.54	16.02	33.64	113.33	7.37	3.54	0.68	0.47	0.32	
3	1.95	1.07	1.65	0.44	27.14	24.90	116.81	6.04	3.18	0.61	0.44	0.28	
4	1.60	1.25	1.10	0.44	12.56	18.95	111.94	5.95	3.00	0.58	0.47	0.26	
5	1.45	1.07	0.79	0.44	18.20	19.58	97.44	5.47	2.76	0.61	0.47	0.24	
6	1.50	0.93	0.75	0.40	22.54	34.44	71.01	5.57	2.64	0.58	0.61	0.24	
7	1.35	0.89	0.72	0.38	19.83	25.18	51.56	5.76	2.52	0.54	0.72	0.22	
8	1.07	0.93	0.61	0.38	46.90	16.98	43.16	5.66	2.22	0.79	0.65	0.22	
9	0.86	1.03	0.61	4.74	110.55	14.61	44.91	5.19	2.05	0.82	0.61	0.22	
10	0.82	2.34	0.54	24.62	99.12	18.70	38.68	4.90	2.05	0.82	0.54	0.22	
11	0.75	3.06	0.51	29.75	68.71	58.26	39.02	4.74	1.80	0.93	0.61	0.22	
12	1.03	1.50	0.68	36.47	45.90	55.47	26.44	4.66	1.90	0.96	0.72	0.22	
13	0.89	1.15	0.93	49.10	36.98	49.30	21.76	4.42	1.80	0.93	0.65	0.20	
14	0.79	2.70	4.26	79.88	24.48	40.55	20.46	4.18	1.75	0.82	0.54	0.20	
15	0.75	3.00	1.25	99.68	15.42	27.56	18.20	4.10	1.70	0.68	0.54	0.18	
16	0.75	2.64	0.72	57.08	20.85	22.94	17.70	4.02	1.60	0.96	0.61	0.18	
17	0.75	1.95	0.96	25.46	16.38	19.20	16.86	3.86	1.60	0.68	0.61	0.18	
18	0.75	2.28	2.40	12.34	19.83	21.11	14.50	3.86	1.55	0.79	0.79	0.16	
19	0.75	2.05	1.03	10.70	20.98	28.55	13.23	3.78	1.55	0.93	1.15	0.16	
20	9.23	3.24	0.72	9.44	11.90	20.85	12.23	4.26	1.50	0.79	1.10	0.18	
21	3.24	3.00	0.54	42.77	42.18	20.46	11.46	3.70	1.40	0.68	1.10	0.26	
22	2.00	5.57	0.47	54.32	114.72	18.70	10.70	3.38	1.45	0.65	1.20	0.22	
23	1.55	5.38	0.44	53.40	69.34	23.64	10.17	3.12	1.60	0.65	1.15	0.18	
24	1.55	2.52	0.40	54.55	40.72	24.90	9.65	3.12	1.95	0.68	1.07	0.16	
25	1.50	2.76	0.47	35.79	39.36	29.60	9.02	4.26	1.03	0.65	0.96	0.16	
26	1.20	1.45	1.40	25.04	51.56	87.85	8.91	5.85	1.00	0.47	0.82	0.16	
27	1.07	1.10	0.75	15.07	63.20	105.69	9.54	4.50	1.00	0.40	0.65	0.14	
28	1.07	0.86	0.51	12.23	56.39	90.58	8.61	12.34	1.00	0.38	0.58	0.14	
29	0.96	0.79	0.93	7.66	37.83	57.54	9.23	6.61	0.93	0.51		0.14	
30	0.93	0.61	2.58	7.28	33.00	52.17	7.37	4.18	0.93	0.47		0.14	
31		0.58		17.58	30.80		7.94		0.93	0.36		0.14	
Total	48.87	60.10	32.03	768.83	1254.24	1086.24	1074.76	151.56	58.11	21.29	20.19	6.34	4582.56
Mean	1.63	1.94	1.07	24.80	40.46	36.21	34.67	5.05	1.87	0.69	0.72	0.20	12.55
Max	9.23	5.57	4.26	99.68	114.72	105.69	116.81	12.34	4.18	0.96	1.20	0.40	116.81
Min	0.75	0.58	0.40	0.38	11.90	14.61	7.37	3.12	0.93	0.36	0.36	0.14	0.14
Runoff	4.22	5.19	2.77	66.43	108.37	93.85	92.86	13.09	5.02	1.84	1.74	0.55	395.93
Momentary Peak	123.32	CMS. at 145.86 m. (MSL.) at 05.00 Hours , on Aug 22, 2022											
Runoff Yield	12.24	Liters/Second/Square KM.					Momentary Peak Yield	120.19	Liters/Second/Square KM.				

WATER YEAR : 2022													
PASAK RIVER BASIN													
Pasak River at Mueang , Phetchabun (S.4B)													
Lat 16 - 25 - 24 N Long 101 - 09 - 43 E													
Location : on left bank about 300 meters downstream, Phatthana Phak Nua 2 bridge.													
	Ban Nai Mueang			Amphoe Mueang			Changwat Phetchabun						
Drainge Area	3,141 sq.km.												
Type of Gage	Water - stage recorder												
Zero Gage at Bottom	+106.500 m. (MSL.)												
Bench Mark	B.M.-H.D.												
Location BM	On left bank in front of town - hall Changwat Phetchabun.						Elevation +116.728 m. (MSL.)						
Gage Reading Frequency	Recording												
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings												
Period of Available Gage Records	1996 to date												
Rating Operation													
Period of Rating	1996 to date												
Rated by Float	-												
Rated by Current Meter	1996 to date												
Stability of Channel Regimes	Stable.												
Overbank Flow Conditions	No overbank flow.												
General Description	Records good. Flow effected by the local weir about 400 meters downstream from the gage site.												
	Stage-discharge relation defined by 16 discharge measurements made in 2022.												
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	111.43	110.71	110.84	110.25	111.75	113.34	116.12	111.30	110.70	110.20	110.12	109.52	
2	111.30	110.66	110.83	110.25	111.85	113.01	116.25	111.20	110.70	110.20	110.12	109.52	
3	111.30	110.66	110.83	110.26	111.82	112.91	116.34	111.16	110.70	110.20	110.07	109.52	
4	111.30	110.65	110.82	110.25	112.06	112.67	116.33	111.11	110.70	110.20	110.01	109.52	
5	111.30	110.65	110.82	110.25	111.56	112.58	116.36	111.07	110.70	110.20	109.88	109.52	
6	110.86	110.64	110.35	110.19	111.88	112.66	116.40	111.04	110.70	110.20	109.83	109.52	
7	110.73	110.64	110.35	110.19	111.93	113.48	116.42	111.04	110.70	110.20	109.72	109.52	
8	110.73	110.65	110.34	110.59	112.26	113.29	116.44	111.04	110.70	110.20	109.64	109.52	
9	110.73	110.65	110.33	110.94	113.69	113.06	116.41	111.00	110.70	110.20	109.60	109.52	
10	110.73	110.66	110.33	111.71	114.49	112.97	116.34	110.94	110.70	110.20	109.53	109.52	
11	110.71	110.59	110.32	113.06	114.74	113.35	116.14	110.91	110.64	110.16	109.53	109.50	
12	110.47	110.59	110.31	113.55	114.84	114.33	115.50	110.91	110.49	110.15	109.53	109.50	
13	110.46	110.58	110.31	113.79	114.76	114.74	114.40	110.90	110.44	110.15	109.53	109.50	
14	110.45	110.58	110.30	114.34	114.43	114.91	113.56	110.88	110.44	110.15	109.53	109.50	
15	110.44	110.57	110.30	114.49	113.62	114.91	113.00	110.87	110.41	110.15	109.53	109.50	
16	110.44	110.57	110.30	114.58	112.82	114.75	112.68	110.86	110.41	110.15	109.53	109.50	
17	110.43	110.57	110.32	114.57	112.71	114.42	112.54	110.86	110.37	110.15	109.53	109.50	
18	110.42	110.71	110.34	114.23	112.65	113.90	112.37	110.86	110.31	110.15	109.53	109.50	
19	110.42	110.71	110.36	113.13	112.91	113.73	112.17	110.86	110.31	110.15	109.53	109.50	
20	110.42	110.78	110.36	112.31	112.97	113.69	112.02	110.86	110.31	110.15	109.53	109.50	
21	110.77	110.80	110.36	112.98	112.80	113.33	111.86	110.86	110.29	110.15	109.53	109.49	
22	110.77	110.89	110.36	113.89	113.66	113.12	111.74	110.85	110.29	110.15	109.53	109.47	
23	110.72	110.89	110.34	114.49	114.43	112.92	111.56	110.85	110.29	110.15	109.53	109.45	
24	110.69	110.89	110.34	114.46	114.68	113.14	111.44	110.85	110.29	110.15	109.53	109.45	
25	110.69	110.89	110.34	114.31	114.66	113.80	111.32	110.99	110.29	110.15	109.53	109.45	
26	110.71	110.89	110.33	113.81	114.24	114.86	111.27	111.20	110.29	110.15	109.53	109.45	
27	110.72	110.86	110.33	112.79	114.44	115.52	111.25	111.27	110.28	110.15	109.53	109.45	
28	110.72	110.85	110.33	112.26	114.76	115.73	111.22	111.22	110.28	110.15	109.53	109.45	
29	110.72	110.85	110.32	111.91	114.77	115.81	111.25	111.50	110.28	110.15		109.45	
30	110.72	110.85	110.32	111.48	114.34	115.95	111.26	111.22	110.25	110.15		109.45	
31		110.85		111.37	113.75		111.19		110.22	110.13		109.42	
Mean	110.74	110.72	110.41	112.47	113.43	113.90	113.65	111.02	110.46	110.17	109.65	109.49	
Max	111.43	110.89	110.84	114.58	114.84	115.95	116.44	111.50	110.70	110.20	110.12	109.52	116.44
Min	110.42	110.57	110.30	110.19	111.56	112.58	111.19	110.85	110.22	110.13	109.53	109.42	109.42
Annual Max Momentary Gage Height	116.44	m. (MSL.) ,		at 23.00 Hours , on Oct 7, 2022									
Zero Gage at Bottom Elevation	106.50	m. (MSL.) ,		River Bed		109.22	m. (MSL.)						
Left Bank Elevation	116.74	m. (MSL.) ,											
Right Bank Elevation	117.06	m. (MSL.) ,		Drainage Are		3,141	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	4.14	0.00	19.60	59.00	176.06	11.50	2.80	0.50	0.30	0.00		
2	0.00	0.00	4.01	0.00	21.55	49.10	182.95	9.70	2.80	0.50	0.30	0.00		
3	0.00	0.00	4.01	0.00	20.92	46.46	187.72	9.02	2.80	0.50	0.18	0.00		
4	0.00	0.00	3.87	0.00	25.96	40.22	187.19	8.17	2.80	0.50	0.03	0.00		
5	0.00	0.00	3.87	0.00	16.18	37.91	188.78	7.49	2.80	0.50	0.00	0.00		
6	0.00	0.00	0.88	0.00	22.18	39.96	190.90	6.98	2.80	0.50	0.00	0.00		
7	0.00	0.00	0.00	0.48	23.23	63.24	191.98	6.98	2.80	0.50	0.00	0.00		
8	0.00	0.00	0.00	1.95	30.28	57.50	193.06	6.98	2.80	0.50	0.00	0.00		
9	0.00	0.00	0.00	5.49	69.83	50.60	191.44	6.30	2.80	0.50	0.00	0.00		
10	0.00	0.00	0.00	18.88	98.80	48.02	187.72	5.49	2.80	0.50	0.00	0.00		
11	0.00	0.00	0.00	50.60	108.94	59.30	177.12	5.09	2.32	0.40	0.00	0.00		
12	0.00	0.00	0.00	65.38	113.16	92.44	144.20	5.09	1.45	0.38	0.00	0.00		
13	0.00	0.00	0.00	73.08	109.76	108.94	95.20	4.95	1.20	0.38	0.00	0.00		
14	0.00	0.00	0.00	92.83	96.40	116.24	65.68	4.68	1.20	0.38	0.00	0.00		
15	0.00	0.00	0.00	98.80	67.55	116.24	48.80	4.55	1.05	0.38	0.00	0.00		
16	0.00	1.85	0.00	102.40	44.12	109.35	40.48	4.41	1.05	0.38	0.00	0.00		
17	0.00	1.85	0.00	102.00	41.26	96.00	36.93	4.41	0.93	0.38	0.00	0.00		
18	0.00	2.88	0.00	88.49	39.70	76.75	32.81	4.41	0.78	0.38	0.00	0.00		
19	0.00	2.88	0.00	52.70	46.46	71.13	28.27	4.41	0.78	0.38	0.00	0.00		
20	0.00	3.44	0.00	31.43	48.02	69.83	25.12	4.41	0.78	0.38	0.00	0.00		
21	0.00	3.60	0.00	48.28	43.60	58.70	21.76	4.41	0.73	0.38	0.00	0.00		
22	0.00	4.82	0.00	76.42	68.85	52.40	19.42	4.28	0.73	0.38	0.00	0.00		
23	0.00	4.82	0.00	98.80	96.40	46.72	16.18	4.28	0.73	0.38	0.00	0.00		
24	0.00	4.82	0.00	97.60	106.48	53.00	14.02	4.28	0.73	0.38	0.00	0.00		
25	0.00	4.82	0.00	91.65	105.66	73.40	11.86	6.17	0.73	0.38	0.00	0.00		
26	0.00	4.82	0.00	73.74	88.88	114.04	10.96	9.70	0.73	0.38	0.00	0.00		
27	0.00	4.41	0.00	43.34	96.80	145.20	10.60	10.96	0.70	0.38	0.00	0.00		
28	0.00	4.28	0.00	30.28	109.76	155.70	10.06	10.06	0.70	0.38	0.00	0.00		
29	0.00	4.28	0.00	22.81	110.17	159.73	10.60	15.10	0.70	0.38	0.00	0.00		
30	0.00	4.28	0.00	14.74	92.83	167.08	10.78	10.06	0.63	0.38	0.00	0.00		
31		4.28		12.76	71.78		9.53		0.55	0.33		0.00		
Total	0.00	62.13	20.78	1394.93	2055.11	2434.20	2718.18	204.32	47.20	12.95	0.81	0.00	8950.61	CMSDAY
Mean	0.00	2.00	0.69	45.00	66.29	81.14	87.68	6.81	1.52	0.42	0.03	0.00	24.52	CMS
Max	0.00	4.82	4.14	102.40	113.16	167.08	193.06	15.10	2.80	0.50	0.30	0.00	193.06	CMS
Min	0.00	0.00	0.00	0.00	16.18	37.91	9.53	4.28	0.55	0.33	0.00	0.00	0.00	CMS
Runoff	0.00	5.37	1.80	120.52	177.56	210.31	234.85	17.65	4.08	1.12	0.07	0.00	773.33	MCM
Momentary Peak	193.06 CMS. at 116.44 m. (MSL.) at 23.00 Hours , on Oct 7, 2022													
Runoff Yield	7.81 Liters/Second/Square KM.				Momentary Peak Yield 61.46				Liters/Second/Square KM.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	5.57	4.52	6.91	2.91	2.80	10.74	47.08	3.14	2.80	2.58	6.91	7.08		
2	6.01	4.67	6.91	3.02	2.80	10.74	30.98	3.14	2.80	2.58	4.97	5.42		
3	6.01	4.52	6.91	3.02	2.58	10.55	28.31	3.14	2.80	2.58	4.67	3.14		
4	5.86	4.52	6.76	3.02	2.24	10.55	31.59	3.14	2.80	2.58	4.52	3.14		
5	5.86	4.52	6.91	2.80	2.24	10.55	37.84	3.14	2.80	2.58	4.52	3.14		
6	5.86	4.52	6.76	2.24	2.24	10.74	32.50	3.14	2.80	2.58	4.52	3.14		
7	5.86	4.52	6.76	2.46	2.24	11.14	24.56	3.14	2.80	2.58	3.47	2.58		
8	5.86	4.52	6.91	2.46	2.35	11.53	19.69	3.14	2.80	2.58	2.35	2.13		
9	5.86	4.67	6.91	2.46	2.35	11.14	5.86	3.14	2.80	2.58	2.24	2.46		
10	6.01	4.52	6.76	2.46	2.35	11.14	5.42	3.14	2.69	2.58	2.24	4.67		
11	6.01	4.52	6.76	2.46	2.35	10.94	3.81	3.58	2.69	2.58	2.24	5.42		
12	6.01	4.52	6.76	2.46	6.31	9.66	2.80	3.92	2.69	6.61	2.24	5.42		
13	6.01	4.52	6.76	2.58	6.31	9.49	2.80	3.81	2.69	14.50	2.24	4.22		
14	6.31	4.52	6.76	2.58	6.16	9.49	2.80	3.81	2.69	14.28	2.24	2.69		
15	6.46	4.52	6.76	2.58	6.16	9.83	2.80	3.92	2.69	13.89	2.24	2.91		
16	6.46	4.52	5.71	2.58	6.46	10.55	2.80	3.81	2.69	13.49	2.13	2.91		
17	6.46	4.52	4.22	2.58	6.46	10.55	2.69	3.81	2.69	12.91	2.13	2.91		
18	5.57	4.52	4.67	2.58	5.57	10.55	2.69	3.81	2.69	12.32	2.13	2.91		
19	4.67	5.12	4.37	2.58	6.31	10.55	2.69	3.81	2.69	12.12	2.13	2.91		
20	4.67	6.91	4.37	2.58	6.46	9.49	2.69	3.81	2.69	10.94	2.13	2.80		
21	4.82	6.76	4.22	2.58	7.60	7.43	2.58	3.92	2.69	10.01	2.13	2.24		
22	4.67	6.61	4.37	2.58	8.11	5.86	2.58	3.92	2.58	9.66	2.35	2.24		
23	4.67	7.08	3.81	2.69	8.63	4.37	2.58	3.92	2.58	9.49	3.14	2.24		
24	4.37	7.08	3.02	2.69	9.15	4.07	2.58	3.47	2.58	9.32	5.12	2.24		
25	4.37	6.61	3.02	2.69	9.49	5.42	2.58	2.58	2.58	8.46	7.25	2.13		
26	4.37	6.61	3.02	2.69	10.18	6.46	2.58	2.58	2.58	7.25	7.25	2.13		
27	4.52	6.61	3.02	2.69	10.55	9.32	2.58	2.58	2.58	6.91	7.08	2.13		
28	4.52	6.61	3.02	2.69	10.55	11.73	2.58	2.58	2.58	7.77	7.08	2.13		
29	4.52	6.61	2.91	2.80	10.55	12.71	2.58	2.58	2.58	7.77		2.13		
30	4.52	6.46	2.91	2.69	10.55	23.69	2.58	2.80	2.58	7.60		2.13		
31		6.61		2.69	10.55		2.91		2.58	8.11		2.13		
Total	162.74	167.34	158.96	81.89	188.65	300.98	321.11	100.42	83.28	231.79	103.66	95.87	1996.69	CMSDAY
Mean	5.42	5.40	5.30	2.6										

WATER YEAR : 2022**PASAK RIVER BASIN****Pasak River at Ban Pa , Saraburi (S.9)**

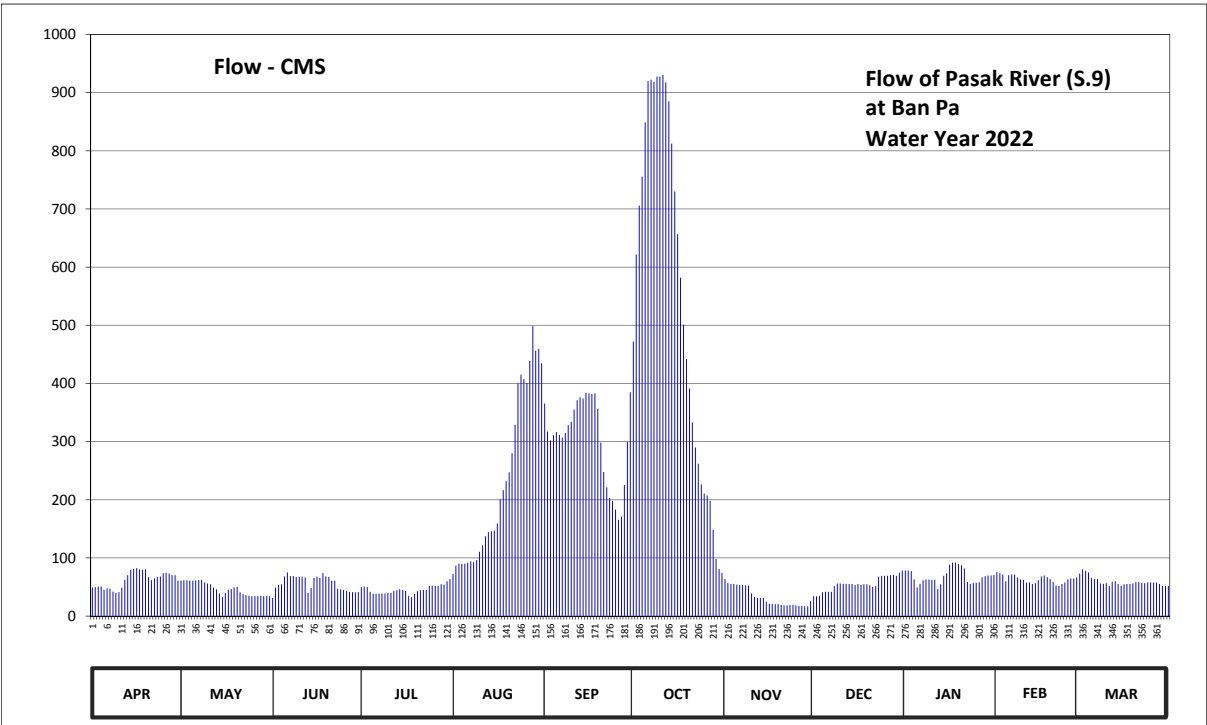
Lat 14 - 37 - 45 N Long 101 - 00 - 52 E

Location : on left bank at Ban Mueang Nua railway bridge.

	Ban Pa	Amphoe	Kaeng Khoi	Changwat	Saraburi
Drainge Area	14,350 sq.km.				
Type of Gage	Water - stage recorder				
Zero Gage at Bottom	+0.000 m. (MSL.)				
Bench Mark	B.M.-H.D.				
Location BM	On left bank under tamarind tree along the measuring line.			Elevation	+23.099 m. (MSL.)
Gage Reading Frequency	Recording				
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings				
Period of Available Gage Records	1973 to date				
Rating Operation					
Period of Rating	1973 to date				
Rated by 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 regulated by Pasak Dam above gage site. Stage-discharge relation defined by 21 discharge measurements made in 2022.				

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	9.34	9.58	8.93	9.35	9.80	13.49	14.55	9.63	9.00	9.91	9.86	9.81	
2	9.35	9.59	9.33	9.37	10.06	13.02	15.90	9.49	9.00	9.91	9.82	9.95	
3	9.37	9.59	9.43	9.35	10.12	12.86	16.61	9.46	9.01	9.89	9.78	9.90	
4	9.37	9.58	9.45	9.18	10.11	12.95	17.03	9.46	9.16	9.62	9.56	9.85	
5	9.25	9.58	9.72	9.10	10.12	13.01	17.79	9.44	9.18	9.34	9.76	9.66	
6	9.31	9.58	9.85	9.10	10.14	12.96	18.38	9.43	9.18	9.47	9.78	9.63	
7	9.30	9.60	9.73	9.11	10.18	12.91	18.40	9.42	9.18	9.59	9.78	9.63	
8	9.19	9.61	9.73	9.11	10.16	12.99	18.37	9.41	9.38	9.62	9.68	9.48	
9	9.13	9.52	9.70	9.11	10.22	13.13	18.44	9.40	9.48	9.62	9.62	9.47	
10	9.17	9.48	9.70	9.13	10.45	13.19	18.44	9.11	9.48	9.61	9.61	9.49	
11	9.33	9.45	9.71	9.14	10.61	13.39	18.46	8.97	9.47	9.61	9.51	9.39	
12	9.61	9.33	9.68	9.22	10.84	13.54	18.36	8.94	9.47	9.28	9.52	9.54	
13	9.76	9.27	9.13	9.24	10.94	13.59	18.08	8.94	9.46	9.45	9.46	9.56	
14	9.94	9.12	9.32	9.27	10.96	13.57	17.50	8.94	9.46	9.74	9.49	9.46	
15	9.97	8.97	9.67	9.25	10.98	13.67	16.81	8.78	9.42	9.82	9.60	9.40	
16	9.99	9.13	9.71	9.22	11.15	13.66	16.20	8.68	9.46	10.09	9.72	9.45	
17	9.95	9.26	9.67	9.02	11.71	13.65	15.55	8.66	9.43	10.15	9.75	9.46	
18	9.94	9.28	9.83	8.96	11.90	13.66	14.82	8.66	9.45	10.15	9.69	9.46	
19	9.95	9.34	9.72	9.10	12.08	13.40	14.26	8.66	9.45	10.11	9.63	9.48	
20	9.69	9.36	9.70	9.21	12.25	12.82	13.75	8.63	9.41	10.07	9.53	9.53	
21	9.60	9.16	9.58	9.24	12.62	12.26	13.18	8.60	9.36	9.98	9.40	9.53	
22	9.65	9.09	9.58	9.25	13.14	11.96	12.73	8.60	9.38	9.53	9.39	9.50	
23	9.70	9.05	9.29	9.25	13.84	11.74	12.42	8.62	9.71	9.47	9.46	9.49	
24	9.72	9.02	9.27	9.39	14.00	11.68	12.02	8.63	9.74	9.49	9.51	9.52	
25	9.82	9.00	9.25	9.40	13.92	11.48	11.83	8.60	9.74	9.50	9.62	9.52	
26	9.84	9.01	9.22	9.39	13.85	11.24	11.79	8.57	9.74	9.52	9.65	9.51	
27	9.81	9.01	9.18	9.39	14.23	11.31	11.68	8.57	9.76	9.69	9.65	9.51	
28	9.76	9.02	9.17	9.45	14.80	12.01	11.00	8.55	9.77	9.73	9.68	9.46	
29	9.76	9.01	9.16	9.44	14.40	12.83	10.25	8.55	9.74	9.75		9.39	
30	9.58	9.01	9.17	9.56	14.43	13.68	9.96	8.80	9.84	9.75		9.38	
31		9.00		9.63	14.19		9.83		9.91	9.77		9.39	
Mean	9.60	9.28	9.49	9.26	11.88	12.85	14.98	8.94	9.46	9.72	9.63	9.54	
Max	9.99	9.61	9.85	9.63	14.80	13.68	18.46	9.63	9.91	10.15	9.86	9.95	18.46
Min	9.13	8.97	8.93	8.96	9.80	11.24	9.83	8.55	9.00	9.28	9.39	9.38	8.55
Annual Max Momentary Gage Height	18.49		m. (MSL.) ,			at 21.00 Hours ,	on Oct 6, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	5.38	m. (MSL.)					
Left Bank Elevation		24.91	m. (MSL.) ,										
Right Bank Elevation		24.93	m. (MSL.) ,			Drainage Are	14,350	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	49.35	61.03	31.05	49.83	72.52	365.63	472.11	63.58	34.03	78.31	75.68	73.05		
2	49.83	61.51	48.86	50.81	86.67	317.46	621.76	56.65	34.03	78.31	73.57	80.41		
3	50.81	61.51	53.73	49.83	90.30	302.04	705.52	55.19	34.45	77.25	71.47	77.78		
4	50.81	61.03	54.70	41.68	89.70	310.71	755.50	55.19	40.83	63.05	60.05	75.15		
5	44.96	61.03	68.31	38.28	90.30	316.49	848.73	54.21	41.68	49.35	70.42	65.16		
6	47.88	61.03	75.15	38.28	91.51	311.68	919.92	53.73	41.68	55.67	71.47	63.58		
7	47.40	62.00	68.84	38.70	93.94	306.86	922.26	53.24	41.68	61.51	71.47	63.58		
8	42.11	62.53	68.84	38.70	92.72	314.57	918.75	52.75	51.29	63.05	66.21	56.16		
9	39.55	58.11	67.26	38.70	96.36	328.06	927.61	52.27	56.16	63.05	63.05	55.67		
10	41.25	56.16	67.26	39.55	110.66	333.84	927.61	38.70	56.16	62.53	62.53	56.65		
11	48.86	54.70	67.79	39.98	121.56	355.00	930.29	32.75	55.67	62.53	57.62	51.78		
12	62.53	48.86	66.21	43.50	137.33	370.95	917.58	31.47	55.67	46.42	58.11	59.08		
13	70.42	45.94	39.55	44.48	144.38	376.27	884.81	31.47	55.19	54.70	55.19	60.05		
14	79.88	39.13	48.37	45.94	145.79	374.14	812.21	31.47	55.19	69.36	56.65	55.19		
15	81.46	32.75	65.68	44.96	147.21	383.92	730.01	24.82	53.24	73.57	62.00	52.27		
16	82.51	39.55	67.79	43.50	159.19	382.98	656.46	21.33	55.19	88.49	68.31	54.70		
17	80.41	45.45	65.68	34.88	200.84	382.04	581.88	20.63	53.73	92.12	69.89	55.19		
18	79.88	46.42	74.10	32.32	216.40	382.98	500.94	20.63	54.70	92.12	66.73	55.19		
19	80.41	49.35	68.31	38.28	231.74	356.07	441.74	20.63	54.70	89.70	63.58	56.16		
20	66.73	50.32	67.26	43.02	246.97	298.19	391.46	19.59	52.75	87.28	58.59	58.59		
21	62.00	40.83	61.03	44.48	280.12	247.86	332.87	18.54	50.32	81.99	52.27	58.59		
22	64.63	37.85	61.03	44.96	329.02	221.31	289.99	18.54	51.29	58.59	51.78	57.13		
23	67.26	36.15	46.91	44.96	399.93	203.30	262.19	19.24	67.79	55.67	55.19	56.65		
24	68.31	34.88	45.94	51.78	415.00	198.39	226.37	19.59	69.36	56.65	57.62	58.11		
25	73.57	34.03	44.96	52.27	407.47	183.10	210.67	18.54	69.36	57.13	63.05	58.11		
26	74.62	34.45	43.50	51.78	400.87	165.63	207.39	17.49	69.36	58.11	64.63	57.62		
27	73.05	34.45	41.68	51.78	438.65	170.73	198.39	17.49	70.42	66.73	64.63	57.62		
28	70.42	34.88	41.25	54.70	498.75	225.48	148.62	16.80	70.94	68.84	66.21	55.19		
29	70.42	34.45	40.83	54.21	456.13	299.15	98.17	16.80	69.36	69.89		51.78		
30	61.03	34.45	41.25	60.05	459.33	384.86	80.94	25.52	74.62	69.89		51.29		
31		34.03		63.58	434.54		74.10		78.31	70.94		51.78		
Total	1882.35	1448.86	1703.12	1409.77	7185.90	9169.69	16996.85	978.85	1719.15	2122.80	1777.97	1839.26	48234.57	CMSDAY
Mean	62.74	46.74	56.77	45.48	231.80	305.66	548.29	32.63	55.46	68.48	63.50	59.33	132.15	CMS
Max	82.51	62.53	75.15	63.58	498.75	384.86	930.29	63.58	78.31	92.12	75.68	80.41	930.29	CMS
Min	39.55	32.75	31.05	32.32	72.52	165.63	74.10	16.80	34.03	46.42	51.78	51.29	16.80	CMS
Runoff	162.64	125.18	147.15	121.80	620.86	792.26	1468.53	84.57	148.53	183.41	153.62	158.91	4167.47	MCM
Momentary Peak	934.30 CMS. at 18.49 m. (MSL.) at 21.00 Hours , on Oct 6, 2022													
Runoff Yield	9.21	Liters/Second/Square KM.			Momentary Peak Yield			65.11	Liters/Second/Square KM.					

WATER YEAR : 2022**PASAK RIVER BASIN****Lam Sonthi at Ban Tha Ruak , Lop Buri (S.14)**

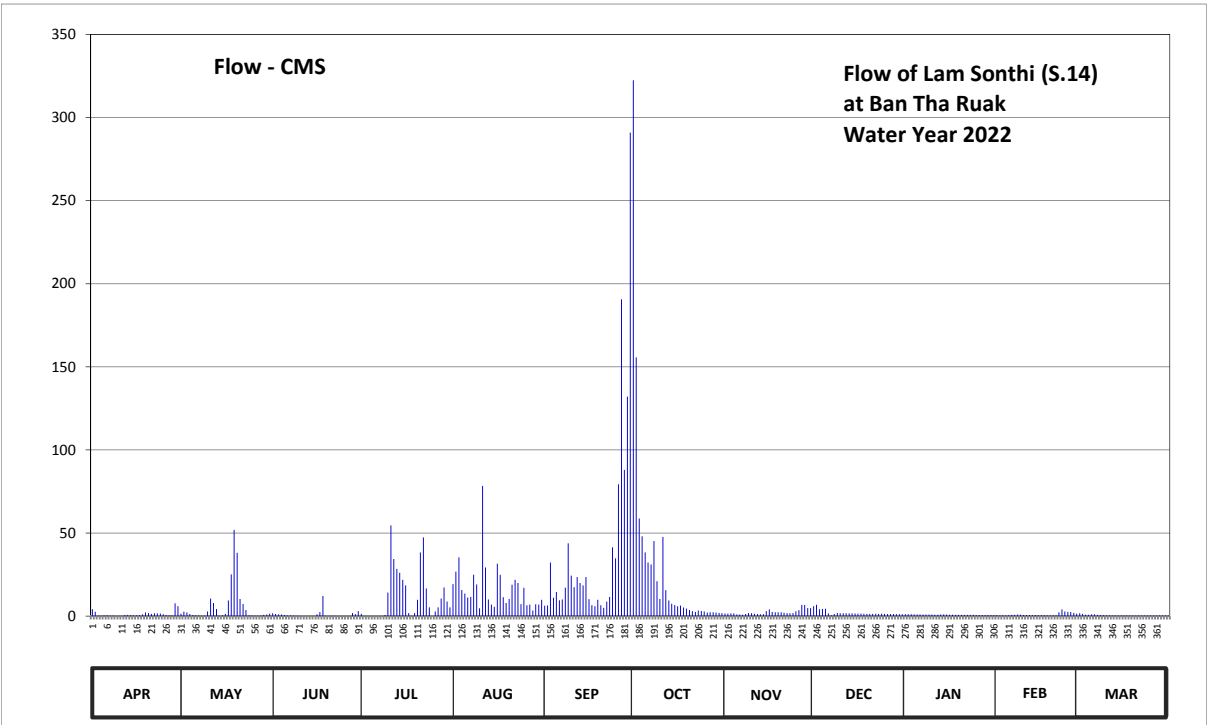
Lat 15 - 13 - 31 N Long 101 - 16 - 39 E

Location : on right bank at the bridge.

	Ban	Tha Ruak	Amphoe	Chai Badan	Changwat	Lop Buri
Drainge Area	1,259	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank at the abutment of the bridge.				Elevation	+63.824 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2005 to date					
Rating Operation						
Period of Rating	2005 to date					
Rated by Float	-					
Rated by Current Meter	2005 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 30 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	55.72	55.02	55.11	54.99	57.72	56.12	62.47	55.10	56.07	54.92	54.72	55.11	
2	55.36	55.38	54.96	54.45	58.31	56.16	61.58	55.06	56.23	54.92	54.66	55.00	
3	54.55	55.26	54.88	54.45	58.86	58.67	59.86	55.10	55.73	54.92	54.65	54.84	
4	54.54	54.97	54.85	54.45	57.37	56.83	59.47	55.09	55.77	54.91	54.66	54.79	
5	54.65	54.77	54.72	54.44	57.14	57.25	59.01	54.90	55.78	54.89	54.71	54.89	
6	54.66	54.64	54.62	54.44	56.85	56.63	58.67	54.85	55.09	54.88	54.78	54.88	
7	54.55	54.57	54.59	54.44	56.89	56.70	58.60	54.83	54.67	54.87	54.81	54.79	
8	54.53	54.54	54.54	54.44	58.18	57.52	59.34	54.96	54.95	54.87	54.85	54.75	
9	54.52	54.53	54.49	54.76	57.70	59.28	57.87	55.16	55.19	54.86	54.82	54.69	
10	54.52	55.42	54.44	57.21	55.83	58.14	56.73	55.14	55.14	54.85	54.77	54.67	
11	54.52	56.77	54.40	59.72	60.42	57.55	59.45	55.01	55.12	54.84	54.75	54.66	
12	54.72	56.41	54.39	58.81	58.48	58.08	57.36	54.97	55.13	54.83	54.75	54.65	
13	54.78	55.75	54.39	58.42	56.70	57.78	56.61	54.92	55.10	54.86	54.74	54.63	
14	54.68	54.52	54.39	58.26	56.24	57.65	56.32	54.92	55.08	54.88	54.73	54.61	
15	54.67	54.64	54.40	57.95	56.01	58.08	56.19	55.45	55.05	54.86	54.71	54.60	
16	54.66	55.00	54.89	57.65	58.63	56.72	56.06	55.70	55.05	54.84	54.70	54.60	
17	54.71	56.62	55.32	55.17	58.17	56.17	56.15	55.35	55.06	54.82	54.68	54.60	
18	54.88	58.19	56.96	54.47	56.87	56.07	55.93	55.28	55.02	54.81	54.65	54.59	
19	55.26	59.63	54.56	55.16	56.41	56.67	55.80	55.29	55.00	54.80	54.63	54.59	
20	55.16	59.00	54.49	56.67	56.73	56.18	55.62	55.28	54.99	54.79	54.63	54.58	
21	54.98	56.74	54.48	59.01	57.68	55.89	55.45	55.22	55.00	54.79	54.63	54.58	
22	55.12	56.31	54.47	59.44	57.95	56.52	55.34	55.16	55.01	54.78	55.30	54.59	
23	55.08	55.62	54.46	57.47	57.78	56.90	55.57	55.12	55.00	54.78	55.70	54.58	
24	55.06	54.63	54.45	55.95	56.30	59.17	55.49	55.16	55.01	54.78	55.41	54.58	
25	54.94	54.57	54.45	54.36	57.51	58.83	55.40	55.43	54.99	54.76	55.35	54.57	
26	54.75	54.55	54.45	55.42	56.17	60.44	55.24	55.61	54.97	54.75	55.35	54.58	
27	54.65	54.55	54.45	55.95	56.24	61.85	55.30	56.21	54.96	54.76	55.18	54.58	
28	54.64	54.62	55.16	56.77	55.55	60.63	55.28	56.21	54.97	54.76	55.03	54.58	
29	56.38	54.79	54.94	57.53	56.27	61.32	55.24	55.86	54.96	54.73		54.58	
30	56.08	54.87	55.45	56.53	56.24	62.36	55.18	55.86	54.94	54.71		54.60	
31		55.01		55.95	56.67		55.14		54.93	54.72		54.60	
Mean	54.91	55.54	54.74	56.28	57.22	57.94	57.02	55.27	55.16	54.82	54.87	54.68	
Max	56.38	59.63	56.96	59.72	60.42	62.36	62.47	56.21	56.23	54.92	55.70	55.11	62.47
Min	54.52	54.52	54.39	54.36	55.55	55.89	55.14	54.83	54.67	54.71	54.63	54.57	54.36
Annual Max Momentary Gage Height	62.57		m. (MSL.) ,				at 11.00 Hours , on Oct 1, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	53.09	m. (MSL.)					
Left Bank Elevation		63.82	m. (MSL.) ,										
Right Bank Elevation		63.84	m. (MSL.) ,			Drainage Are	1,259	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.12	1.42	1.69	1.33	19.29	6.21	322.42	1.66	5.92	1.12	0.62	1.69	
2	2.58	2.66	1.24	0.10	26.78	6.44	155.63	1.54	6.85	1.12	0.50	1.36	
3	0.29	2.19	1.01	0.10	35.37	32.20	58.73	1.66	4.17	1.12	0.48	0.89	
4	0.27	1.27	0.92	0.10	15.69	11.02	48.08	1.63	4.37	1.10	0.50	0.75	
5	0.48	0.71	0.62	0.08	13.53	14.51	38.30	1.07	4.42	1.04	0.60	1.04	
6	0.50	0.46	0.42	0.08	11.19	9.53	32.20	0.92	1.63	1.01	0.73	1.01	
7	0.29	0.33	0.37	0.08	11.51	10.04	31.13	0.86	0.52	0.98	0.80	0.75	
8	0.25	0.27	0.27	0.08	24.94	17.16	45.16	1.24	1.21	0.98	0.92	0.67	
9	0.23	0.25	0.17	0.69	19.06	43.81	20.95	1.83	1.92	0.95	0.83	0.56	
10	0.23	2.81	0.08	14.12	4.67	24.38	10.26	1.77	1.77	0.92	0.71	0.52	
11	0.23	10.56	0.00	54.57	78.37	17.46	47.63	1.39	1.71	0.89	0.67	0.50	
12	0.62	7.90	0.00	34.40	29.28	23.53	15.59	1.27	1.74	0.86	0.67	0.48	
13	0.73	4.27	0.00	28.36	10.04	19.95	9.38	1.12	1.66	0.95	0.66	0.44	
14	0.54	0.23	0.00	26.07	6.91	18.51	7.37	1.12	1.60	1.01	0.64	0.40	
15	0.52	0.46	0.00	21.84	5.58	23.53	6.62	2.93	1.51	0.95	0.60	0.39	
16	0.50	1.36	1.04	18.51	31.59	10.19	5.87	4.02	1.51	0.89	0.58	0.39	
17	0.60	9.45	2.42	1.86	24.80	6.50	6.39	2.54	1.54	0.83	0.54	0.39	
18	1.01	25.08	12.08	0.14	11.35	5.92	5.17	2.26	1.42	0.80	0.48	0.37	
19	2.19	51.89	0.31	1.83	7.90	9.82	4.52	2.30	1.36	0.77	0.44	0.37	
20	1.83	38.11	0.17	9.82	10.26	6.56	3.62	2.26	1.33	0.75	0.44	0.35	
21	1.30	10.34	0.15	38.30	18.84	4.97	2.93	2.03	1.36	0.75	0.44	0.35	
22	1.71	7.31	0.14	47.40	21.84	8.72	2.50	1.83	1.39	0.73	2.34	0.37	
23	1.60	3.62	0.12	16.67	19.95	11.59	3.40	1.71	1.36	0.73	4.02	0.35	
24	1.54	0.44	0.10	5.27	7.25	41.42	3.09	1.83	1.39	0.73	2.77	0.35	
25	1.18	0.33	0.10	0.00	17.07	34.79	2.74	2.85	1.33	0.69	2.54	0.33	
26	0.67	0.29	0.10	2.81	6.50	79.28	2.11	3.57	1.27	0.67	2.54	0.35	
27	0.48	0.29	0.10	5.27	6.91	190.65	2.34	6.73	1.24	0.69	1.89	0.35	
28	0.46	0.42	1.83	10.56	3.32	87.98	2.26	6.73	1.27	0.69	1.45	0.35	
29	7.72	0.75	1.18	17.26	7.08	132.11	2.11	4.82	1.24	0.64		0.35	
30	5.98	0.98	2.93	8.79	6.91	290.95	1.89	4.82	1.18	0.60		0.39	
31		1.39		5.27	9.82		1.77		1.15	0.62		0.39	
Total	40.65	187.84	29.56	371.76	523.60	1199.73	902.16	72.31	62.34	26.58	30.40	17.25	3464.18 CMSDAY
Mean	1.36	6.06	0.99	11.99	16.89	39.99	29.10	2.41	2.01	0.86	1.09	0.56	9.49 CMS
Max	7.72	51.89	12.08	54.57	78.37	290.95	322.42	6.73	6.85	1.12	4.02	1.69	322.42 CMS
Min	0.23	0.23	0.00	0.00	3.32	4.97	1.77	0.86	0.52	0.60	0.44	0.33	0.00 CMS
Runoff	3.51	16.23	2.55	32.12	45.24	103.66	77.95	6.25	5.39	2.30	2.63	1.49	299.31 MCM
Momentary Peak	354.62 CMS. at 62.57 m. (MSL.) at 11.00 Hours , on Oct 1, 2022												
Runoff Yield	7.54	Liters/Second/Square KM.			Momentary Peak Yield			281.67	Liters/Second/Square KM.				

WATER YEAR : 2022**PASAK RIVER BASIN****Pasak River at Ban Tha Rua , Phra Nakhon Si Ayutthaya (S.26)**

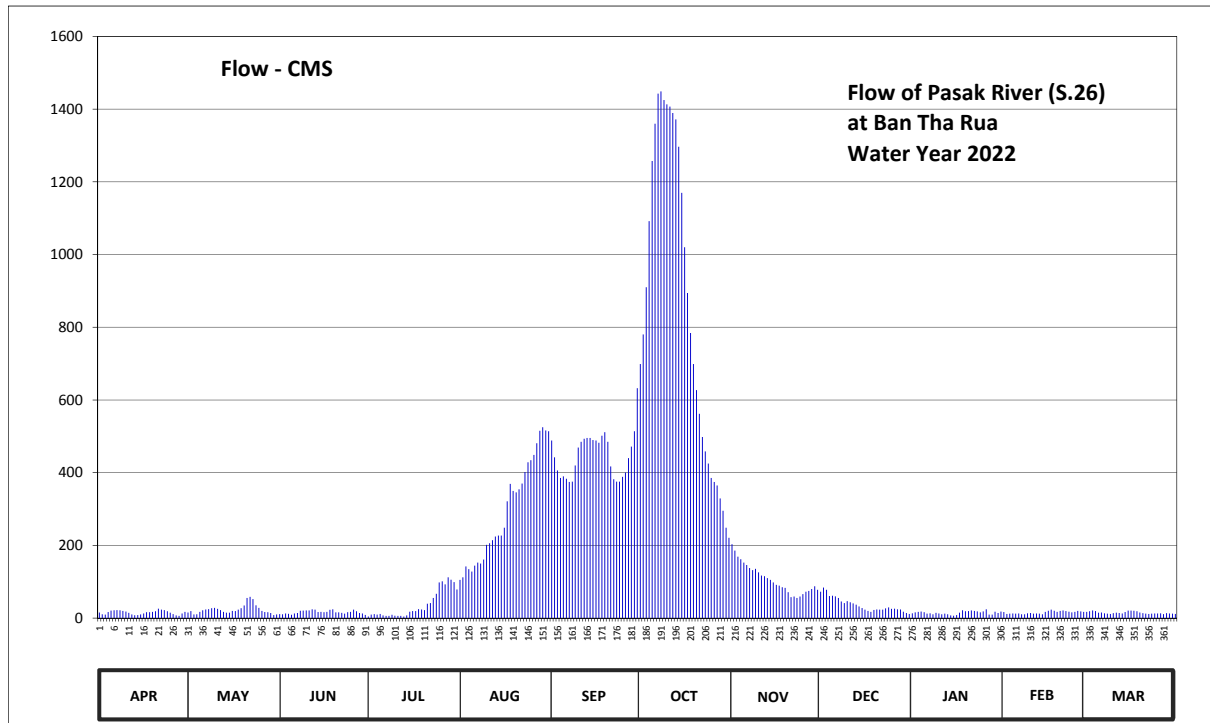
Lat 14 - 33 - 36 N Long 100 - 43 - 12 E

Location : on right bank at Ban Tha Rua

	Ban	Tha Rua	Amphoe	Tha Rua	Changwat	Phra Nakhon Si Ayutthaya
Drainage Area	15,402	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the automatic gage buiding				Elevation	+7.647 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1984 to date					
Rating Operation						
Period of Rating	1998 , 2009 to date					
Rated by Float	-					
Rated by Current Meter	1998, 2009 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +9.650 m.(MSL.), records are channel flow only.					
General Description	Records good. Flow effected by Pasak Cholasit Dam.					
	Stage-discharge relation defined by 17 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.55	0.55	0.43	0.18	2.00	5.92	7.54	3.18	1.57	0.49	0.58	0.59	
2	0.42	0.66	0.41	0.38	2.09	5.53	8.02	2.98	1.72	0.56	0.44	0.64	
3	0.38	0.40	0.48	0.43	2.46	5.21	8.61	2.79	1.64	0.60	0.46	0.71	
4	0.58	0.42	0.45	0.38	2.37	5.02	9.15	2.70	1.41	0.62	0.47	0.66	
5	0.69	0.60	0.36	0.44	2.29	5.06	9.50	2.59	1.42	0.57	0.46	0.54	
6	0.72	0.72	0.47	0.30	2.49	5.00	9.69	2.51	1.40	0.46	0.47	0.55	
7	0.73	0.78	0.51	0.25	2.59	4.92	9.83	2.41	1.34	0.49	0.42	0.49	
8	0.72	0.80	0.68	0.24	2.56	4.93	9.84	2.34	1.21	0.42	0.42	0.46	
9	0.67	0.85	0.69	0.37	2.69	5.33	9.80	2.38	1.13	0.52	0.49	0.44	
10	0.62	0.87	0.70	0.27	3.16	5.76	9.78	2.26	1.22	0.48	0.51	0.50	
11	0.52	0.82	0.70	0.25	3.21	5.89	9.77	2.15	1.17	0.42	0.46	0.54	
12	0.40	0.73	0.79	0.25	3.30	5.96	9.74	2.13	1.11	0.46	0.47	0.51	
13	0.32	0.60	0.77	0.17	3.41	5.98	9.71	2.06	1.04	0.41	0.46	0.47	
14	0.34	0.53	0.58	0.30	3.44	5.98	9.58	2.00	0.95	0.29	0.42	0.58	
15	0.40	0.53	0.60	0.61	3.44	5.93	9.32	1.91	0.86	0.26	0.59	0.69	
16	0.48	0.67	0.57	0.66	3.67	5.92	8.96	1.82	0.77	0.34	0.68	0.69	
17	0.57	0.66	0.60	0.66	4.41	5.87	8.55	1.79	0.67	0.54	0.77	0.68	
18	0.57	0.77	0.75	0.80	4.87	6.03	8.04	1.73	0.60	0.72	0.68	0.64	
19	0.60	0.85	0.79	0.78	4.69	6.11	7.54	1.71	0.74	0.64	0.60	0.55	
20	0.65	1.00	0.56	0.73	4.65	5.89	7.03	1.55	0.78	0.66	0.67	0.50	
21	0.83	1.34	0.56	1.09	4.73	5.31	6.52	1.37	0.77	0.70	0.71	0.46	
22	0.77	1.38	0.52	1.13	4.88	4.99	6.00	1.39	0.76	0.67	0.66	0.44	
23	0.73	1.30	0.46	1.34	5.17	4.93	5.67	1.34	0.84	0.63	0.61	0.46	
24	0.64	1.01	0.57	1.49	5.41	4.93	5.38	1.39	0.90	0.56	0.56	0.47	
25	0.54	0.87	0.59	1.91	5.46	5.05	5.02	1.48	0.82	0.63	0.59	0.47	
26	0.43	0.67	0.77	1.95	5.59	5.16	4.92	1.57	0.83	0.79	0.67	0.49	
27	0.29	0.58	0.64	1.84	5.86	5.51	4.83	1.60	0.79	0.39	0.63	0.43	
28	0.24	0.57	0.51	2.09	6.14	5.78	4.49	1.67	0.78	0.38	0.60	0.50	
29	0.47	0.51	0.47	2.01	6.22	6.13	4.15	1.77	0.61	0.61		0.48	
30	0.59	0.33	0.35	1.92	6.15	7.07	3.67	1.64	0.51	0.51		0.46	
31		0.40		1.65	6.13		3.37		0.44	0.62		0.44	
Mean	0.55	0.73	0.58	0.87	4.05	5.57	7.55	2.01	0.99	0.53	0.56	0.53	
Max	0.83	1.38	0.79	2.09	6.22	7.07	9.84	3.18	1.72	0.79	0.77	0.71	9.84
Min	0.24	0.33	0.35	0.17	2.00	4.92	3.37	1.34	0.44	0.26	0.42	0.43	0.17
Annual Max Momentary Gage Height	9.86		m. (MSL.) ,			at 04.00 Hours , on Oct 8, 2022							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed -4.83	m. (MSL.)						
Left Bank Elevation	10.13		m. (MSL.) ,										
Right Bank Elevation	9.64		m. (MSL.) ,			Drainage Are 15,402	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	15.46	15.46	11.09	4.50	105.00	488.40	698.75	203.25	72.75	13.28	16.55	16.92		
2	10.73	19.46	10.36	9.50	112.20	442.13	780.12	185.75	84.00	15.82	11.46	18.74		
3	9.50	10.00	12.91	11.09	141.95	406.13	909.91	169.18	78.00	17.28	12.18	21.28		
4	16.55	10.73	11.82	9.50	134.60	385.39	1092.08	161.75	60.75	18.01	12.55	19.46		
5	20.56	17.28	9.00	11.46	128.20	389.75	1257.56	152.68	61.50	16.19	12.18	15.10		
6	21.65	21.65	12.55	7.50	144.43	383.22	1359.73	146.08	60.00	12.18	12.55	15.46		
7	22.01	23.83	14.00	6.25	152.68	374.50	1442.69	137.83	55.50	13.28	10.73	13.28		
8	21.65	24.56	20.19	6.00	150.20	375.59	1448.62	132.20	45.75	10.73	10.73	12.18		
9	19.83	27.12	20.56	9.25	160.93	419.63	1424.92	135.40	41.42	14.37	13.28	11.46		
10	18.01	28.14	20.92	6.75	201.50	469.20	1413.06	125.80	46.50	12.91	14.00	13.64		
11	14.37	25.58	20.92	6.25	205.93	484.80	1407.14	117.00	43.47	10.73	12.18	15.10		
12	10.00	22.01	24.20	6.25	214.25	493.20	1389.36	115.40	40.40	12.18	12.55	14.00		
13	8.00	17.28	23.47	4.25	224.43	495.60	1371.58	109.80	36.82	10.36	12.18	12.55		
14	8.50	14.73	16.55	7.50	227.20	495.60	1296.63	105.00	32.23	7.25	10.73	16.55		
15	10.00	14.73	17.28	17.64	227.20	489.60	1169.65	98.25	27.63	6.50	16.92	20.56		
16	12.91	19.83	16.19	19.46	248.77	488.40	1020.02	91.50	23.47	8.50	20.19	20.56		
17	16.19	19.46	17.28	19.46	321.05	482.40	894.30	89.25	19.83	15.10	23.47	20.19		
18	16.19	23.47	22.74	24.56	369.06	501.68	784.07	84.75	17.28	21.65	20.19	18.74		
19	17.28	27.12	24.20	23.83	350.04	511.50	698.75	83.25	22.38	18.74	17.28	15.46		
20	19.10	34.78	15.82	22.01	345.90	484.80	626.98	71.25	23.83	19.46	19.83	13.64		
21	26.09	55.50	15.82	39.38	354.18	417.38	561.83	57.75	23.47	20.92	21.28	12.18		
22	23.47	58.50	14.37	41.42	370.14	382.13	498.00	59.25	23.10	19.83	19.46	11.46		
23	22.01	52.50	12.18	55.50	401.73	375.59	458.40	55.50	26.60	18.37	17.64	12.18		
24	18.74	35.29	16.19	66.75	428.63	375.59	425.25	59.25	29.67	15.82	15.82	12.55		
25	15.10	28.14	16.92	98.25	434.25	388.66	385.39	66.00	25.58	18.37	16.92	12.55		
26	11.09	19.83	23.47	101.25	448.88	400.64	374.50	72.75	26.09	24.20	19.83	13.28		
27	7.25	16.55	18.74	93.00	481.20	439.88	364.70	75.00	24.20	9.75	18.37	11.09		
28	6.00	16.19	14.00	112.20	515.18	471.60	329.33	80.25	23.83	9.50	17.28	13.64		
29	12.55	14.00	12.55	105.80	525.00	513.95	295.44	87.75	17.64	17.64		12.91		
30	16.92	8.25	8.75	99.00	516.41	632.32	248.77	78.00	14.00	14.00		12.18		
31		10.00		78.75	513.95		220.73		11.46	18.01		11.46		
Total	467.71	731.97	495.04	1124.31	9155.07	13459.26	26648.26	3206.87	1139.15	460.93	438.33	460.35	57787.25	CMSDAY
Mean	15.59	23.61	16.50	36.27	295.32	448.64	859.62	106.90	36.75	14.87	15.65	14.85	158.32	CMS
Max	26.09	58.50	24.20	112.20	525.00	632.32	1448.62	203.25	84.00	24.20	23.47	21.28	1448.62	CMS
Min	6.00	8.25	8.75	4.25	105.00	374.50	220.73	55.50	11.46	6.50	10.73	11.09	4.25	CMS
Runoff	40.41	63.24	42.77	97.14	791.00	1162.88	2302.41	277.07	98.42	39.82	37.87	39.77	4992.82	MCM
Momentary Peak	1460.47	CMS.	at 9.86 m. (MSL.) at 04:00 Hours , on Oct 8 , 2022											
Runoff Yield	10.28	Liters/Second/Square KM.				Momentary Peak Yield				94.82	Liters/Second/Square KM.			

WATER YEAR : 2022**PASAK RIVER BASIN****Pasak River at Ban Nong Bua , Lop Buri (S.28)**

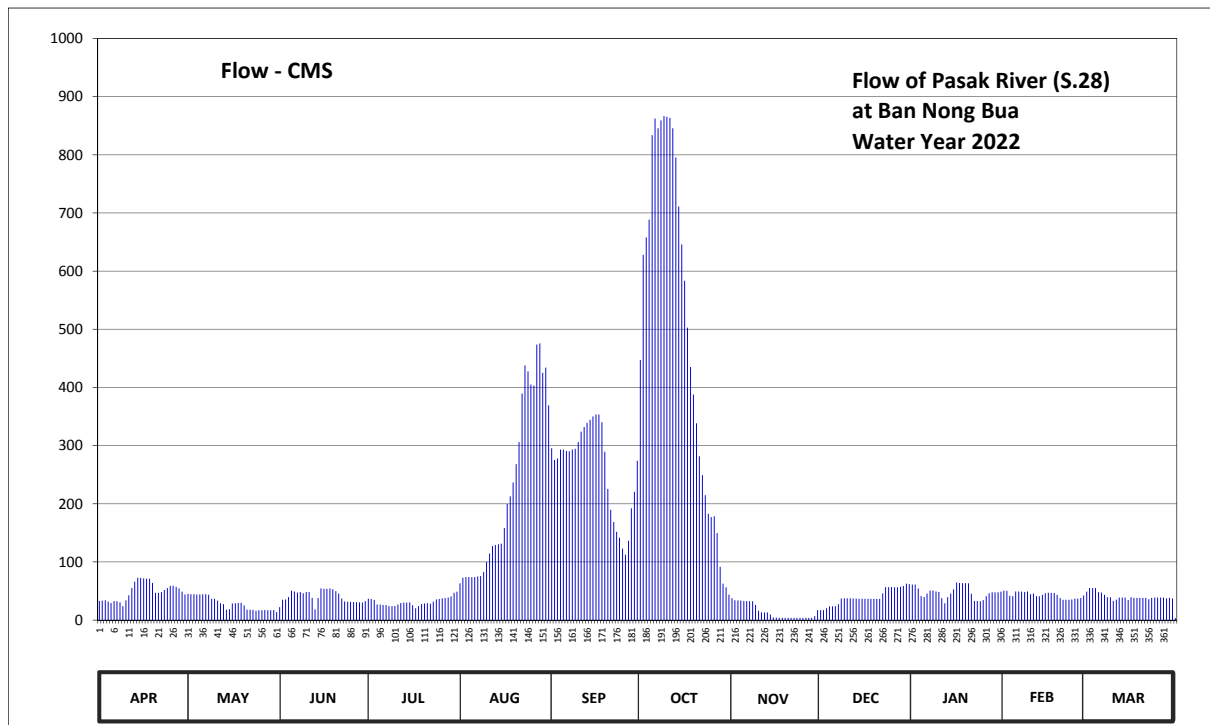
Lat 14 - 50 - 05 N Long 101 - 05 - 04 E

Location : on left bank at Ban Nong Bua.

	Ban	Nong Bua	Amphoe	Phatthana Nikhom	Changwat	Lop Buri
Drainge Area	12,838	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the automatic gage buiding				Elevation	+33.168 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1986 to date					
Rating Operation						
Period of Rating	1998 to date					
Rated by Float	-					
Rated by Current Meter	1998 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow effected by Pasak Cholasit Dam.					
	Stage-discharge relation defined by 41 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	17.95	18.38	17.52	18.09	18.89	23.06	24.85	18.12	17.26	18.83	18.55	18.49	
2	17.97	18.36	18.02	18.07	19.16	22.80	26.76	17.99	17.26	18.83	18.53	18.67	
3	17.99	18.36	18.04	18.01	19.19	22.83	27.06	17.98	17.43	18.65	18.26	18.66	
4	17.90	18.34	18.18	17.72	19.19	23.03	27.38	17.97	17.60	18.24	18.24	18.66	
5	17.81	18.35	18.54	17.71	19.18	23.03	28.78	17.95	17.60	18.18	18.50	18.47	
6	17.94	18.35	18.50	17.69	19.19	23.00	29.05	17.94	17.61	18.40	18.50	18.45	
7	17.93	18.36	18.45	17.68	19.22	22.99	28.89	17.92	17.73	18.54	18.49	18.32	
8	17.85	18.33	18.47	17.62	19.23	23.03	29.02	17.92	18.10	18.55	18.48	18.17	
9	17.61	18.08	18.42	17.61	19.41	23.05	29.09	17.69	18.11	18.50	18.50	18.17	
10	17.98	18.08	18.48	17.62	19.81	23.20	29.08	17.22	18.11	18.48	18.36	17.95	
11	18.29	17.97	18.48	17.71	20.13	23.42	29.06	17.07	18.11	18.12	18.40	18.03	
12	18.67	17.79	18.14	17.81	20.40	23.52	28.89	17.06	18.10	17.79	18.24	18.16	
13	18.97	17.74	17.33	17.83	20.44	23.61	28.42	17.06	18.10	18.17	18.23	18.15	
14	19.16	17.30	18.13	17.84	20.46	23.67	27.62	16.85	18.08	18.40	18.32	18.15	
15	19.15	17.35	18.65	17.85	20.48	23.74	26.94	16.48	18.09	18.60	18.42	18.01	
16	19.13	17.78	18.63	17.67	20.98	23.78	26.31	16.45	18.08	18.93	18.44	18.17	
17	19.11	17.79	18.63	17.43	21.70	23.78	25.44	16.44	18.08	18.91	18.43	18.14	
18	19.11	17.81	18.65	17.62	21.91	23.62	24.72	16.44	18.08	18.90	18.43	18.14	
19	18.91	17.82	18.61	17.75	22.26	22.98	24.19	16.42	18.08	18.90	18.32	18.14	
20	18.44	17.66	18.52	17.78	22.70	22.10	23.60	16.42	18.08	18.89	18.13	18.14	
21	18.44	17.31	18.40	17.80	23.20	21.54	22.88	16.43	18.08	18.39	18.02	18.14	
22	18.47	17.30	18.10	17.76	24.21	21.17	22.44	16.43	18.41	17.95	18.02	18.05	
23	18.57	17.29	17.91	17.89	24.75	20.86	21.94	16.43	18.71	17.94	18.02	18.14	
24	18.66	17.21	17.89	18.04	24.64	20.67	21.42	16.43	18.71	17.93	18.04	18.15	
25	18.77	17.26	17.88	18.07	24.39	20.31	21.32	16.43	18.71	18.00	18.09	18.15	
26	18.78	17.27	17.87	18.11	24.37	20.09	21.34	16.42	18.70	18.24	18.09	18.15	
27	18.72	17.28	17.86	18.13	25.12	20.57	20.82	16.42	18.70	18.42	18.13	18.15	
28	18.65	17.27	17.85	18.15	25.14	21.58	19.62	16.42	18.72	18.46	18.28	18.11	
29	18.49	17.27	17.84	18.22	24.61	22.03	18.88	16.65	18.76	18.46		18.14	
30	18.34	17.28	17.93	18.44	24.71	22.78	18.70	17.26	18.88	18.46		18.10	
31		17.08		18.49	23.97		18.33		18.85	18.49		16.40	
Mean	18.46	17.74	18.20	17.88	21.71	22.53	24.93	17.02	18.16	18.44	18.30	18.16	
Max	19.16	18.38	18.65	18.49	25.14	23.78	29.09	18.12	18.88	18.93	18.55	18.67	29.09
Min	17.61	17.08	17.33	17.43	18.89	20.09	18.33	16.42	17.26	17.79	18.02	16.40	16.40
Annual Max Momentary Gage Height	29.14		m. (MSL.) ,			at 12.00 Hours ,	on Oct 6, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	15.05	m. (MSL.)					
Left Bank Elevation		33.17	m. (MSL.) ,										
Right Bank Elevation		33.06	m. (MSL.) ,			Drainage Are	12,838	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	33.11	45.04	22.16	36.95	63.18	295.45	447.31	37.79	16.94	61.02	50.98	48.83		
2	33.64	44.48	35.00	36.39	72.90	275.42	627.89	34.17	16.94	61.02	50.26	55.28		
3	34.17	44.48	35.56	34.72	73.98	277.73	657.96	33.91	20.35	54.56	41.69	54.92		
4	31.77	43.93	39.46	26.96	73.98	293.14	688.59	33.64	23.76	41.14	41.14	54.92		
5	29.37	44.21	50.62	26.70	73.62	293.14	833.79	33.11	23.76	39.46	49.19	48.11		
6	32.84	44.21	49.19	26.16	73.98	290.83	862.25	32.84	24.03	45.60	49.19	47.39		
7	32.57	44.48	47.39	25.90	75.15	290.06	845.40	32.30	27.23	50.62	48.83	43.37		
8	30.44	43.65	48.11	24.29	75.56	293.14	859.09	32.30	37.23	50.98	48.47	39.18		
9	24.03	36.67	46.32	24.03	82.88	294.68	866.46	26.16	37.51	49.19	49.19	39.18		
10	33.91	36.67	48.47	24.29	99.80	306.24	865.40	16.14	37.51	48.47	44.48	33.11		
11	42.53	33.64	48.47	26.70	114.34	323.95	863.30	13.49	37.51	37.79	45.60	35.28		
12	55.28	28.83	38.35	29.37	127.25	332.00	845.40	13.32	37.23	28.83	41.14	38.90		
13	66.06	27.50	18.35	29.90	129.38	339.27	795.41	13.32	37.23	39.18	40.86	38.63		
14	72.90	17.75	38.07	30.17	130.45	344.23	710.96	9.69	36.67	45.60	43.37	38.63		
15	72.54	18.75	54.56	30.44	131.52	350.02	645.93	4.62	36.95	52.77	46.32	34.72		
16	71.82	28.57	53.85	25.63	158.38	353.33	583.27	4.23	36.67	64.62	47.03	39.18		
17	71.10	28.83	53.85	20.35	199.60	353.33	502.86	4.10	36.67	63.90	46.68	38.35		
18	71.10	29.37	54.56	24.29	212.86	340.10	435.09	4.10	36.67	63.54	46.68	38.35		
19	63.90	29.63	53.13	27.77	236.62	289.29	387.77	3.83	36.67	63.54	43.37	38.35		
20	47.03	25.36	49.90	28.57	268.16	225.50	338.44	3.83	36.67	63.18	38.07	38.35		
21	47.03	17.95	45.60	29.10	306.24	189.84	281.58	3.96	36.67	45.32	35.00	38.35		
22	48.11	17.75	37.23	28.03	389.48	168.71	249.27	3.96	45.96	33.11	35.00	35.84		
23	51.70	17.55	32.04	31.50	437.84	151.85	214.75	3.96	56.71	32.84	35.00	38.35		
24	54.92	15.94	31.50	35.56	427.75	141.66	182.96	3.96	56.71	32.57	35.56	38.63		
25	58.87	16.94	31.24	36.39	404.87	122.95	177.22	3.96	56.71	34.44	36.95	38.63		
26	59.22	17.14	30.97	37.51	403.16	112.42	178.37	3.83	56.36	41.14	36.95	38.63		
27	57.07	17.34	30.70	38.07	473.64	136.32	149.68	3.83	56.36	46.32	38.07	38.63		
28	54.56	17.14	30.44	38.63	475.59	192.13	91.48	3.83	57.07	47.75	42.25	37.51		
29	48.83	17.14	30.17	40.58	424.99	220.63	62.82	6.85	58.51	47.75		38.35		
30	43.93	17.34	32.57	47.03	434.17	273.97	56.36	16.94	62.82	47.75		37.23		
31		13.66		48.83	369.05		43.65		61.74	48.83		3.57		
Total	1474.35	881.94	1217.83	970.81	7020.37	7871.33	15350.71	441.97	1239.82	1482.83	1207.32	1226.75	40386.03	CMSDAY
Mean	49.14	28.45	40.59	31.32	226.46	262.38	495.18	14.73	39.99	47.83	43.12	39.57	110.65	CMS
Max	72.90	45.04	54.56	48.83	475.59	353.33	866.46	37.79	62.82	64.62	50.98	55.28	866.46	CMS
Min	24.03	13.66	18.35	20.35	63.18	112.42	43.65	3.83	16.94	28.83	35.00	3.57	3.57	CMS
Runoff	127.38	76.20	105.22	83.88	606.56	680.08	1326.30	38.19	107.12	128.12	104.31	105.99	3489.35	MCM
Momentary Peak		871.72	CMS.	at 29.14 m. (MSL.)	at 12.00 Hours	on Oct 6, 2022								
Runoff Yield		8.62	Liters/Second/Square KM.		Momentary Peak Yield	67.90	Liters/Second/Square KM.							

WATER YEAR : 2022**PASAK RIVER BASIN****Pasak River at Mueang , Saraburi (S.32)**

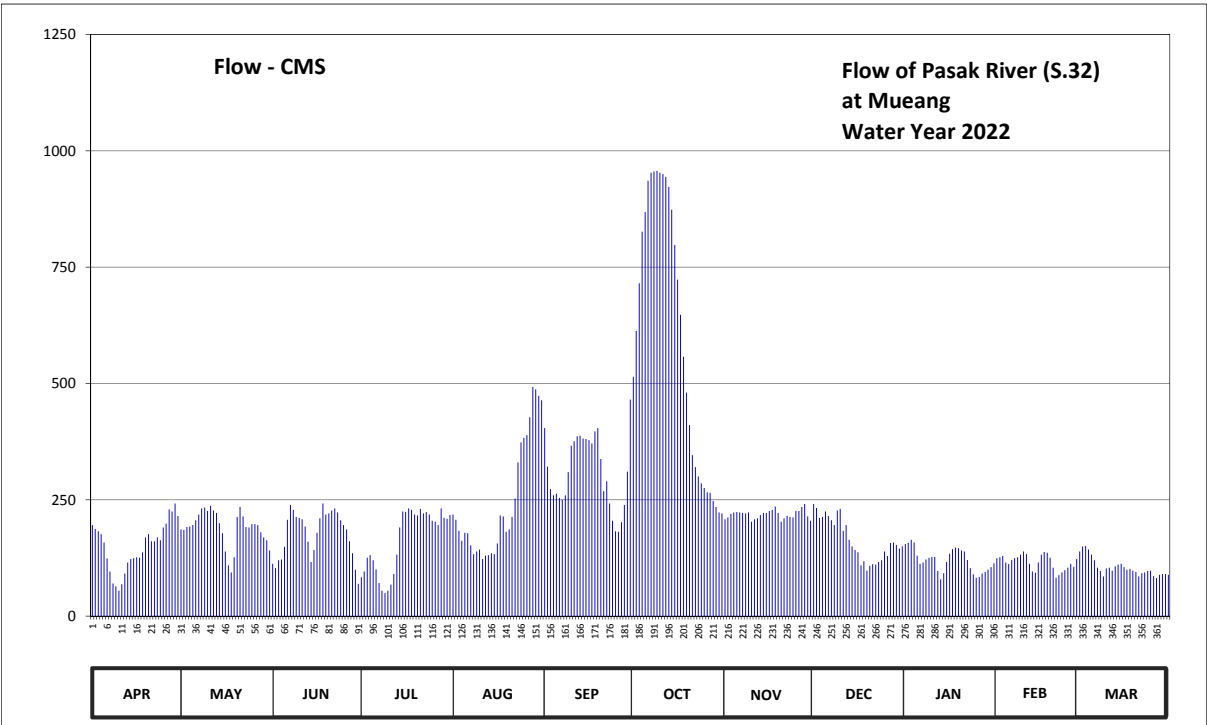
Lat 14 - 33 - 27 N Long 100 - 55 - 27 E

Location : on right bank at Mueang.

	Ban -	Amphoe Mueang	Changwat Saraburi
Drainge Area	14,918 sq.km.		
Type of Gage	Staff gage		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank near the Staff gage.	Elevation +17.093 m. (MSL.)	
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings		
Period of Available Gage Records	1990 to date		
Rating Operation			
Period of Rating	2012 to date		
Rated by Flot	-		
Rated by Current Meter	2012 to date		
Stability of Channel Regimes	Fairly stable because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Stage-discharge relation defined by 9 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.64	7.55	6.80	6.48	7.86	9.48	10.43	7.76	8.07	7.24	6.93	7.08	
2	7.56	7.54	6.70	6.62	7.75	8.78	11.23	7.80	7.99	7.26	6.95	7.19	
3	7.51	7.60	6.88	6.94	7.52	8.36	12.03	7.87	7.79	7.33	6.98	7.20	
4	7.45	7.61	6.90	7.00	7.31	8.24	12.88	7.90	7.81	7.27	6.83	7.12	
5	7.27	7.64	7.18	6.88	7.48	8.27	13.20	7.91	7.92	6.99	6.79	7.01	
6	6.92	7.74	7.75	6.67	7.47	8.19	13.71	7.90	7.83	6.80	6.89	6.88	
7	6.62	7.86	8.05	6.34	7.21	8.15	13.84	7.89	7.74	6.83	6.93	6.71	
8	6.33	7.98	7.95	6.15	7.02	8.24	13.86	7.88	7.64	6.90	6.95	6.63	
9	6.26	8.00	7.81	6.09	7.08	8.68	13.87	7.90	7.94	6.94	7.01	6.50	
10	6.15	7.93	7.79	6.15	7.12	9.16	13.84	7.71	7.97	6.96	7.08	6.69	
11	6.31	8.03	7.76	6.30	6.91	9.24	13.82	7.76	7.52	6.96	7.02	6.71	
12	6.57	7.94	7.61	6.56	6.99	9.33	13.77	7.78	7.64	6.63	6.80	6.64	
13	6.83	7.89	7.29	7.01	7.00	9.34	13.61	7.85	7.33	6.43	6.62	6.74	
14	6.91	7.68	6.84	7.59	7.04	9.29	13.24	7.89	7.19	6.58	6.59	6.78	
15	6.93	7.47	7.11	7.92	7.02	9.28	12.67	7.89	7.11	6.84	6.83	6.80	
16	6.95	7.08	7.48	7.91	7.25	9.26	12.09	7.93	7.06	7.03	7.01	6.72	
17	6.94	6.76	7.78	7.98	7.84	9.20	11.51	7.95	6.76	7.13	7.07	6.66	
18	7.06	6.60	8.08	7.95	7.82	9.42	10.78	8.02	6.86	7.16	7.05	6.68	
19	7.38	6.95	7.86	7.86	7.50	9.48	10.15	7.89	6.64	7.15	6.94	6.64	
20	7.45	7.81	7.88	7.84	7.55	8.92	9.54	7.71	6.75	7.10	6.71	6.61	
21	7.30	8.01	7.94	7.97	7.81	8.32	8.99	7.78	6.79	7.08	6.47	6.50	
22	7.30	7.82	7.98	7.88	8.18	8.51	8.77	7.83	6.78	6.89	6.53	6.58	
23	7.38	7.60	7.90	7.91	8.86	8.08	8.60	7.81	6.84	6.70	6.60	6.60	
24	7.32	7.59	7.74	7.86	9.22	7.73	8.47	7.80	6.88	6.55	6.65	6.63	
25	7.59	7.66	7.64	7.73	9.30	7.51	8.38	7.93	7.08	6.47	6.71	6.64	
26	7.67	7.66	7.55	7.71	9.35	7.50	8.30	7.93	6.98	6.49	6.80	6.51	
27	7.96	7.64	7.30	7.64	9.69	7.70	8.29	8.01	7.26	6.57	6.73	6.46	
28	7.92	7.49	7.04	7.98	10.25	8.05	8.13	8.07	7.27	6.61	6.91	6.54	
29	8.08	7.38	6.66	7.79	10.21	8.69	8.01	7.82	7.22	6.66		6.56	
30	7.83	7.32	6.32	7.77	10.09	10.02	7.90	7.73	7.14	6.72		6.56	
31		7.10		7.85	10.01		7.88		7.19	6.81		6.54	
Mean	7.18	7.58	7.45	7.30	8.06	8.68	11.03	7.86	7.32	6.87	6.84	6.71	
Max	8.08	8.03	8.08	7.98	10.25	10.02	13.87	8.07	8.07	7.33	7.08	7.20	13.87
Min	6.15	6.60	6.32	6.09	6.91	7.50	7.88	7.71	6.64	6.43	6.47	6.46	6.09
Annual Max Momentary Gage Height	13.88		m. (MSL.) ,			at 02.00 Hours , on Oct 7, 2022							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed 1.36	m. (MSL.)						
Left Bank Elevation	17.09		m. (MSL.) ,										
Right Bank Elevation	17.11		m. (MSL.) ,			Drainage Are 14,918	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	195.60	186.38	112.50	83.42	218.45	403.91	514.22	207.90	241.03	155.00	124.53	139.00		
2	187.40	185.35	103.25	95.85	206.88	321.15	612.71	212.00	232.43	157.00	126.38	150.00		
3	182.28	191.50	119.90	125.45	183.30	273.00	715.17	219.53	210.98	164.00	129.15	151.00		
4	176.13	192.53	121.75	131.00	162.00	259.50	826.26	222.75	213.08	158.00	115.28	143.00		
5	158.00	195.60	149.00	119.90	179.20	262.88	868.24	223.83	224.90	130.08	111.58	132.00		
6	123.60	205.85	206.88	100.48	178.18	253.93	935.49	222.75	215.23	112.50	120.83	119.90		
7	95.85	218.45	238.88	71.08	152.00	249.63	952.90	221.68	205.85	115.28	124.53	104.18		
8	70.20	231.35	228.13	54.50	133.00	259.50	955.56	220.60	195.60	121.75	126.38	96.78		
9	64.03	233.50	213.08	49.40	139.00	309.40	956.89	222.75	227.05	125.45	132.00	85.19		
10	54.50	225.98	210.98	54.50	143.00	366.20	952.90	202.78	230.28	127.30	139.00	102.33		
11	68.44	236.73	207.90	67.56	122.68	375.80	950.25	207.90	183.30	127.30	133.00	104.18		
12	91.36	227.05	192.53	90.47	130.08	386.60	943.56	209.95	195.60	96.78	112.50	97.70		
13	115.28	221.68	160.00	132.00	131.00	387.80	922.05	217.38	164.00	79.02	95.85	106.95		
14	122.68	199.70	116.20	190.48	135.00	381.80	873.35	221.68	150.00	92.24	93.12	110.65		
15	124.53	178.18	142.00	224.90	133.00	380.60	797.54	221.68	142.00	116.20	115.28	112.50		
16	126.38	139.00	179.20	223.83	156.00	378.20	723.14	225.98	137.00	134.00	132.00	105.10		
17	125.45	108.80	209.95	231.35	216.30	371.00	647.45	228.13	108.80	144.00	138.00	99.55		
18	137.00	94.00	242.10	228.13	214.15	397.23	557.42	235.65	118.05	147.00	136.00	101.40		
19	169.00	126.38	218.45	218.45	181.25	403.91	480.25	221.68	97.70	146.00	125.45	97.70		
20	176.13	213.08	220.60	216.30	186.38	337.60	410.60	202.78	107.88	141.00	104.18	94.93		
21	161.00	234.58	227.05	230.28	213.08	268.50	345.83	209.95	111.58	139.00	82.54	85.19		
22	161.00	214.15	231.35	220.60	252.85	289.88	319.98	215.23	110.65	120.83	87.83	92.24		
23	169.00	191.50	222.75	223.83	330.55	242.10	300.00	213.08	116.20	103.25	94.00	94.00		
24	163.00	190.48	205.85	218.45	373.40	204.83	285.38	212.00	119.90	89.59	98.63	96.78		
25	190.48	197.65	195.60	204.83	383.00	182.28	275.25	225.98	139.00	82.54	104.18	97.70		
26	198.68	197.65	186.38	202.78	389.00	181.25	266.25	225.98	129.15	84.30	112.50	86.07		
27	229.20	195.60	161.00	195.60	427.31	201.75	265.13	234.58	157.00	91.36	106.03	81.66		
28	224.90	180.23	135.00	231.35	492.18	238.88	247.48	241.03	158.00	94.93	122.68	88.71		
29	242.10	169.00	99.55	210.98	487.29	310.58	234.58	214.15	153.00	99.55		90.47		
30	215.23	163.00	69.32	208.93	473.27	465.14	222.75	204.83	145.00	105.10		90.47		
31		141.00		217.38	463.97		220.60		150.00	113.43		88.71		
Total	4518.43	5885.93	5327.13	5074.06	7586.75	9344.83	18579.18	6566.19	5090.24	3713.78	3243.43	3246.04	78175.99	CMSDAY
Mean	150.61	189.87	177.57	163.68	244.73	311.49	599.33	218.87	164.20	119.80	115.84	104.71	214.18	CMS
Max	242.10	236.73	242.10	231.35	492.18	465.14	956.89	241.03	241.03	164.00	139.00	151.00	956.89	CMS
Min	54.50	94.00	69.32	49.40	122.68	181.25	220.60	202.78	97.70	79.02	82.54	81.66	49.40	CMS
Runoff	390.39	508.54	460.26	438.40	655.50	807.39	1605.24	567.32	439.80	320.87	280.23	280.46	6754.41	MCM
Momentary Peak	958.22	CMS. at 13.88 m. (MSL.) at 02.00 Hours , on Oct 7, 2022												
Runoff Yield	14.36	Liters/Second/Square KM.			Momentary Peak Yield		64.23	Liters/Second/Square KM.						

WATER YEAR : 2022**PASAK RIVER BASIN****Pasak River at Ban Tha Hi Yong , Phetchabun (S.33)**

Lat 17 - 00 - 15 N Long 101 - 21 - 11 E

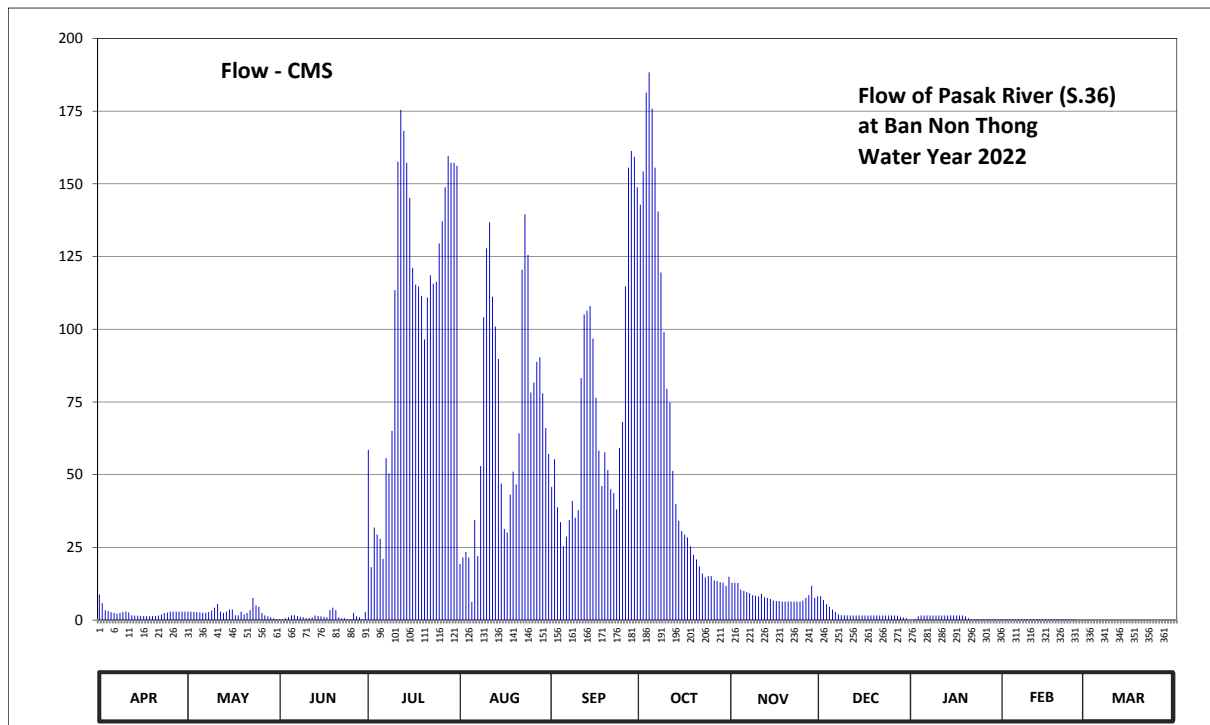
Location : on left bank at Ban Tha Hai Yong

	Ban	Tha Hai Yong	Amphoe	Lom Kao	Changwat	Phetchabun
Drainge Area	515	sq.km.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+190.090	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+198.009 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1999 to date					
Rating Operation						
Period of Rating	1999 to date					
Rated by Float	-					
Rated by Current Meter	1999 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +198.910 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 26 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	191.77	191.63	191.83	191.64	193.00	194.16	196.35	192.66	192.40	192.18	192.09	192.02	
2	191.70	191.69	191.72	191.60	193.82	193.39	196.64	192.65	192.38	192.18	192.09	192.02	
3	191.68	191.64	191.67	191.61	192.82	193.26	196.28	192.62	192.38	192.18	192.09	192.02	
4	191.67	191.61	191.68	191.61	192.92	193.14	195.57	192.60	192.39	192.18	192.10	192.02	
5	191.64	191.60	191.68	191.60	193.45	194.33	194.75	192.59	192.37	192.17	192.12	192.02	
6	191.63	191.60	191.66	191.60	193.36	193.67	194.33	192.58	192.32	192.17	192.12	192.02	
7	191.62	191.60	191.65	191.60	195.11	193.22	194.05	192.58	192.32	192.16	192.11	192.02	
8	191.63	191.65	191.64	191.88	196.24	193.04	194.16	192.57	192.31	192.16	192.09	192.03	
9	191.62	191.87	191.63	192.31	195.83	193.13	194.00	192.54	192.30	192.16	192.09	192.02	
10	191.62	191.68	191.63	193.37	194.67	194.04	194.29	192.50	192.30	192.17	192.08	192.02	
11	191.62	191.65	191.77	193.24	194.07	194.07	193.68	192.50	192.29	192.17	192.08	192.02	
12	191.63	191.65	191.64	194.56	193.78	194.51	193.50	192.49	192.29	192.17	192.07	192.02	
13	191.62	191.78	192.17	195.75	193.36	194.04	193.39	192.47	192.27	192.16	192.06	192.02	
14	191.61	191.72	191.72	194.51	193.07	193.54	193.30	192.47	192.25	192.15	192.06	192.01	
15	191.61	191.75	191.70	193.73	192.96	193.40	193.23	192.46	192.24	192.14	192.05	192.01	
16	191.60	191.66	191.93	192.93	193.02	193.27	193.19	192.45	192.24	192.14	192.05	192.01	
17	191.61	191.73	191.75	192.52	192.97	193.12	193.11	192.44	192.24	192.13	192.06	192.01	
18	191.77	191.63	191.68	192.71	193.00	193.72	193.03	192.44	192.23	192.13	192.06	192.00	
19	192.06	191.73	191.65	192.36	192.75	193.37	192.98	192.47	192.22	192.13	192.05	192.00	
20	191.73	191.71	191.63	195.09	192.73	193.36	192.96	192.42	192.23	192.12	192.05	192.00	
21	191.68	191.97	191.62	194.40	197.89	193.14	192.93	192.40	192.23	192.12	192.05	191.99	
22	191.69	191.80	191.63	194.49	194.68	193.45	192.89	192.40	192.22	192.12	192.05	191.99	
23	191.65	191.87	191.60	194.47	193.89	193.50	192.86	192.39	192.22	192.11	192.05	191.99	
24	191.62	191.78	191.76	193.67	193.51	193.47	192.83	192.47	192.21	192.11	192.04	191.98	
25	191.60	191.68	191.67	192.96	193.80	196.38	192.80	192.50	192.21	192.10	192.04	191.97	
26	191.60	191.65	191.67	192.61	195.59	196.07	192.76	192.46	192.20	192.11	192.03	191.97	
27	191.60	191.63	191.63	192.70	194.64	195.45	192.77	192.56	192.20	192.10	192.03	191.97	
28	191.60	191.62	191.82	192.41	193.80	194.35	192.75	192.58	192.20	192.10	192.02	191.97	
29	191.65	191.61	191.72	192.36	193.56	194.08	192.73	192.44	192.20	192.09		191.97	
30	191.66	191.61	191.64	193.20	193.47	194.65	192.70	192.42	192.19	192.09		191.97	
31		191.94		193.61	193.24		192.68		192.19	192.10		191.96	
Mean	191.66	191.70	191.71	193.00	193.90	193.88	193.66	192.50	192.27	192.14	192.07	192.00	
Max	192.06	191.97	192.17	195.75	197.89	196.38	196.64	192.66	192.40	192.18	192.12	192.03	197.89
Min	191.60	191.60	191.60	191.60	192.73	193.04	192.68	192.39	192.19	192.09	192.02	191.96	191.60
Annual Max Momentary Gage Height	200.34		m. (MSL.) ,										
Zero Gage at Bottom Elevation		190.09	m. (MSL.) ,				River Bed	191.15	m. (MSL.)				
Left Bank Elevation		198.90	m. (MSL.) ,										
Right Bank Elevation		198.91	m. (MSL.) ,				Drainage Are	515	Square Kilometers				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.71	1.29	1.89	1.32	7.60	20.44	83.60	5.19	3.80	2.94	2.67	2.46		
2	1.50	1.47	1.56	1.20	15.86	11.30	99.40	5.13	3.72	2.94	2.67	2.46		
3	1.44	1.32	1.41	1.23	6.25	10.00	80.24	4.93	3.72	2.94	2.67	2.46		
4	1.41	1.23	1.44	1.23	7.00	8.86	51.73	4.80	3.76	2.94	2.70	2.46		
5	1.32	1.20	1.44	1.20	11.90	23.02	30.63	4.75	3.68	2.91	2.76	2.46		
6	1.29	1.20	1.38	1.20	11.00	14.17	23.02	4.70	3.48	2.91	2.76	2.46		
7	1.26	1.20	1.35	1.20	38.66	9.60	18.90	4.70	3.48	2.88	2.73	2.46		
8	1.29	1.35	1.32	2.04	78.32	7.96	20.44	4.65	3.44	2.88	2.67	2.49		
9	1.26	2.01	1.29	3.44	61.17	8.77	18.20	4.50	3.40	2.88	2.67	2.46		
10	1.26	1.44	1.29	11.10	29.07	18.76	22.40	4.30	3.40	2.91	2.64	2.46		
11	1.26	1.35	1.71	9.80	19.18	19.18	14.28	4.30	3.36	2.91	2.64	2.46		
12	1.29	1.35	1.32	26.98	15.38	26.08	12.40	4.25	3.36	2.91	2.61	2.46		
13	1.26	1.74	2.91	58.15	11.00	18.76	11.30	4.15	3.28	2.88	2.58	2.46		
14	1.23	1.56	1.56	26.08	8.23	12.80	10.40	4.15	3.20	2.85	2.58	2.43		
15	1.23	1.65	1.50	14.83	7.30	11.40	9.70	4.10	3.16	2.82	2.55	2.43		
16	1.20	1.38	2.19	7.08	7.78	10.10	9.31	4.05	3.16	2.82	2.55	2.43		
17	1.23	1.59	1.65	4.40	7.38	8.68	8.59	4.00	3.16	2.79	2.58	2.43		
18	1.71	1.29	1.44	5.52	7.60	14.72	7.87	4.00	3.12	2.79	2.58	2.40		
19	2.58	1.59	1.35	3.64	5.78	11.10	7.45	4.15	3.08	2.79	2.55	2.40		
20	1.59	1.53	1.29	38.14	5.65	11.00	7.30	3.90	3.12	2.76	2.55	2.40		
21	1.44	2.31	1.26	24.10	195.81	8.86	7.08	3.80	3.12	2.76	2.55	2.37		
22	1.47	1.80	1.29	25.72	29.26	11.90	6.78	3.80	3.08	2.76	2.55	2.37		
23	1.35	2.01	1.20	25.36	16.77	12.40	6.55	3.76	3.08	2.73	2.55	2.37		
24	1.26	1.74	1.68	14.17	12.50	12.10	6.33	4.15	3.04	2.73	2.52	2.34		
25	1.20	1.44	1.41	7.30	15.60	85.04	6.10	4.30	3.04	2.70	2.52	2.31		
26	1.20	1.35	1.41	4.87	52.31	70.81	5.84	4.10	3.00	2.73	2.49	2.31		
27	1.20	1.29	1.29	5.45	28.48	48.25	5.91	4.60	3.00	2.70	2.49	2.31		
28	1.20	1.26	1.86	3.85	15.60	23.33	5.78	4.70	3.00	2.70	2.46	2.31		
29	1.35	1.23	1.56	3.64	13.00	19.32	5.65	4.00	3.00	2.67		2.31		
30	1.38	1.23	1.32	9.40	12.10	28.68	5.45	3.90	2.97	2.67		2.31		
31		2.22		13.51	9.80		5.32		2.97	2.70		2.28		
Total	41.37	46.62	45.57	357.15	763.34	597.39	613.95	129.81	101.18	87.30	72.84	74.52	2931.04	CMSDAY
Mean	1.38													



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	8.81	2.90	0.33	58.60	19.30	45.82	142.85	12.80	8.22	0.00	0.33	0.00		
2	5.80	2.90	0.33	18.20	21.50	55.35	154.24	12.80	6.89	0.39	0.33	0.00		
3	3.40	2.81	0.65	31.87	23.42	38.85	181.38	12.80	5.50	1.30	0.33	0.00		
4	3.10	2.72	0.98	29.42	21.50	33.65	188.37	10.49	4.55	1.58	0.33	0.00		
5	2.72	2.63	1.65	27.98	6.25	25.34	175.88	10.07	3.60	1.58	0.33	0.00		
6	2.45	2.54	1.65	21.06	34.42	28.70	155.58	9.65	2.72	1.58	0.33	0.00		
7	2.18	2.54	1.44	55.65	21.98	34.42	140.50	9.23	2.00	1.58	0.33	0.00		
8	2.45	2.72	1.17	50.48	52.99	40.97	119.52	8.60	1.65	1.58	0.33	0.00		
9	2.72	3.30	0.98	65.10	104.16	35.18	99.04	8.41	1.65	1.58	0.33	0.00		
10	2.90	4.29	0.65	113.44	127.86	37.79	79.50	8.22	1.65	1.58	0.33	0.00		
11	2.63	5.50	0.78	157.59	136.82	83.22	74.85	9.02	1.58	1.58	0.33	0.00		
12	1.65	2.90	0.98	175.45	111.20	105.12	51.30	7.84	1.58	1.58	0.33	0.00		
13	1.51	2.45	1.58	168.23	100.96	106.40	39.91	7.65	1.58	1.58	0.33	0.00		
14	1.51	2.90	1.44	157.25	89.76	108.00	34.16	7.27	1.58	1.58	0.33	0.00		
15	1.44	3.60	1.30	145.19	46.90	96.80	30.62	6.70	1.58	1.58	0.33	0.00		
16	1.44	3.60	1.11	121.12	31.36	76.40	29.42	6.55	1.58	1.58	0.33	0.00		
17	1.37	1.65	0.98	115.36	30.14	58.30	28.46	6.55	1.58	1.58	0.33	0.00		
18	1.37	1.65	3.40	114.72	43.12	46.09	25.34	6.40	1.58	1.58	0.33	0.00		
19	1.44	2.90	4.29	111.52	51.03	57.71	22.46	6.40	1.58	1.30	0.33	0.00		
20	1.44	2.00	3.40	96.48	46.63	51.58	20.84	6.40	1.58	0.65	0.33	0.00		
21	1.58	2.45	0.98	110.88	64.20	45.01	18.42	6.40	1.58	0.33	0.33	0.00		
22	1.86	3.40	0.65	118.56	120.48	43.66	16.00	6.40	1.58	0.33	0.33	0.00		
23	2.36	7.65	0.65	115.68	139.50	38.06	14.69	6.40	1.58	0.33	0.26	0.00		
24	2.63	5.07	0.33	116.32	125.60	59.19	15.12	6.40	1.58	0.33	0.26	0.00		
25	2.90	4.55	0.33	129.51	78.26	68.10	15.12	6.70	1.58	0.33	0.26	0.00		
26	2.90	2.45	2.45	137.15	81.67	114.72	13.64	7.65	1.58	0.33	0.00	0.00		
27	2.90	1.65	1.30	148.88	88.80	155.58	13.43	8.60	1.51	0.33	0.00	0.00		
28	2.90	1.30	0.98	159.60	90.40	161.32	13.01	11.75	1.17	0.33	0.00	0.00		
29	2.90	0.98	0.33	157.25	77.95	159.26	12.80	7.65	0.91	0.33	0.00	0.00		
30	2.90	0.65	2.81	157.25	66.00	148.88	11.75	8.22	0.65	0.33	0.00	0.00		
31		0.33		156.25	57.12		14.90		0.07	0.33		0.00		
Total	78.16	88.98	39.90	3342.04	2111.28	2159.47	1953.10	250.02	68.02	30.97	8.04	0.00	10129.98	CMSDAY
Mean	2.61	2.87	1.33	107.81	68.11	71.98	63.00	8.33	2.19	1.00	0.29	0.00	27.75	CMS
Max	8.81	7.65	4.29	175.45	139.50	161.32	188.37	12.80	8.22	1.58	0.33	0.00	188.37	CMS
Min	1.37	0.33	0.33	18.20	6.25	25.34	11.75	6.40	0.07	0.00	0.00	0.00	0.00	CMS
Runoff	6.75	7.69	3.45	288.75	182.41	186.58	168.75	21.60	5.88	2.68	0.69	0.00	875.23	MCM
Momentary Peak	193.35	CMS.	at 141.35 m. (MSL.)	at 09.00 Hours	, on Oct 4, 2022									
Runoff Yield	12.96	Liters/Second/Square KM.			Momentary Peak Yield	90.31	Liters/Second/Square KM.							

WATER YEAR : 2022**PASAK RIVER BASIN****Pasak River at Ban Bo Rang , Phetchabun (S.42)**

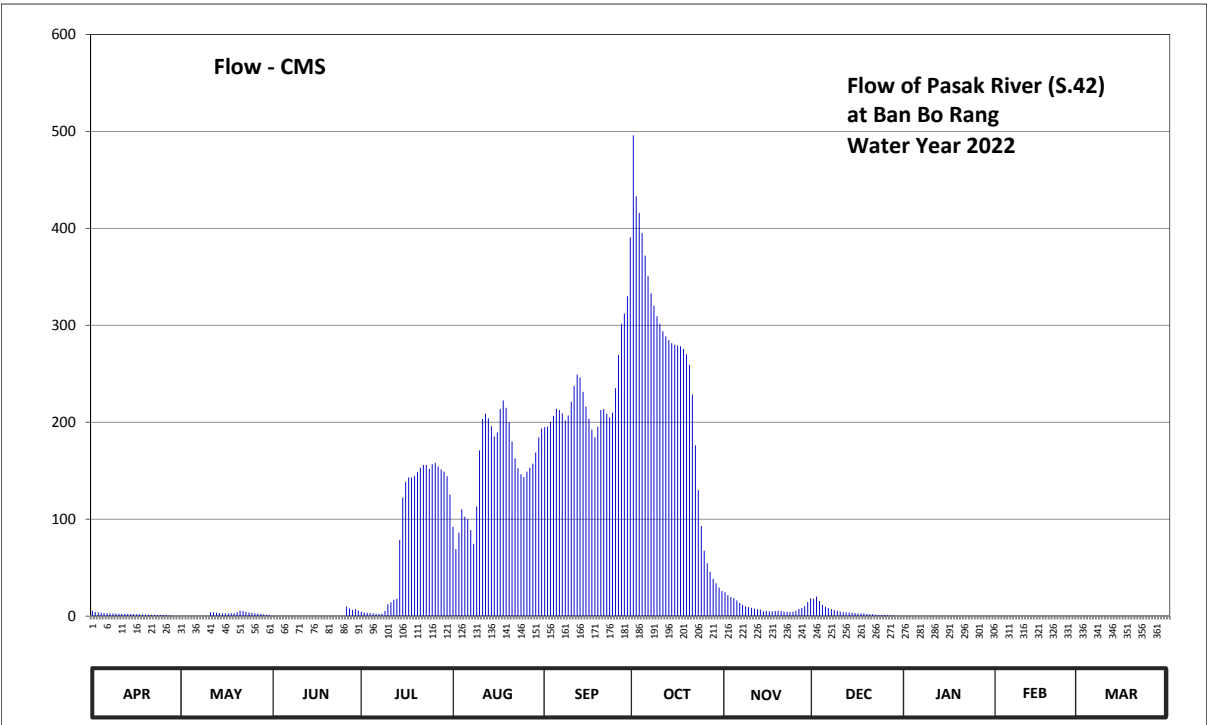
Lat 15 - 34 - 42 N Long 101 - 05 - 19 E

Location : on left bank at the bridge.

	Ban	Bo Rang	Amphoe	Wichian Buri	Changwat	Phetchabun
Drainge Area	7,400	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+51.796	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+63.900 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	2005 to date					
Rating Operation						
Period of Rating	2005 to date					
Rated by Float	-					
Rated by Current Meter	2005 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +64.160 m.(MSL.), records are channel flow only.					
General Description	Records very good. Stage-discharge relation defined by 16 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	55.28	54.69	54.82	55.20	58.65	61.45	64.23	56.38	56.07	54.70	54.49	54.47	
2	55.19	54.64	54.75	55.15	57.92	61.46	64.02	56.25	56.18	54.70	54.48	54.46	
3	55.15	54.59	54.71	55.11	58.46	61.58	63.95	56.16	55.96	54.70	54.48	54.46	
4	55.12	54.56	54.66	55.09	59.20	61.72	63.86	56.10	55.73	54.68	54.49	54.46	
5	55.10	54.54	54.64	55.06	58.98	61.89	63.75	55.99	55.60	54.68	54.51	54.46	
6	55.08	54.52	54.64	55.04	58.90	61.86	63.64	55.85	55.51	54.68	54.52	54.46	
7	55.07	54.52	54.61	55.03	58.55	61.78	63.54	55.74	55.43	54.67	54.52	54.46	
8	55.06	54.51	54.60	55.04	58.10	61.61	63.46	55.64	55.35	54.68	54.51	54.46	
9	55.05	54.52	54.59	55.27	59.29	61.73	63.39	55.58	55.28	54.68	54.51	54.45	
10	55.04	54.55	54.57	55.77	60.86	62.05	63.33	55.53	55.22	54.67	54.51	54.45	
11	55.03	55.16	54.56	55.88	61.65	62.40	63.27	55.47	55.18	54.63	54.51	54.44	
12	55.02	55.16	54.53	56.02	61.77	62.64	63.23	55.42	55.15	54.59	54.50	54.44	
13	55.02	55.12	54.47	56.06	61.66	62.58	63.20	55.39	55.13	54.57	54.50	54.44	
14	55.01	55.10	54.43	58.23	61.47	62.27	63.16	55.25	55.12	54.56	54.50	54.44	
15	55.01	55.07	54.40	59.56	61.22	61.94	63.14	55.28	55.09	54.54	54.51	54.44	
16	55.00	55.06	54.40	60.02	61.32	61.65	63.13	55.25	55.06	54.53	54.52	54.44	
17	54.98	55.06	54.43	60.14	61.88	61.39	63.12	55.23	55.06	54.52	54.52	54.44	
18	54.96	55.08	54.44	60.14	62.08	61.20	63.09	55.27	55.06	54.52	54.52	54.44	
19	54.96	55.08	54.44	60.17	61.91	61.46	63.02	55.29	55.02	54.52	54.51	54.44	
20	54.94	55.16	54.42	60.28	61.57	61.86	62.84	55.26	54.99	54.51	54.50	54.43	
21	54.93	55.30	54.43	60.40	61.09	61.88	62.21	55.22	54.99	54.51	54.49	54.43	
22	54.93	55.27	54.42	60.48	60.65	61.77	60.99	55.19	54.95	54.50	54.49	54.42	
23	54.92	55.21	54.42	60.48	60.39	61.68	59.78	55.18	54.91	54.49	54.48	54.41	
24	54.91	55.15	54.42	60.37	60.23	61.80	58.68	55.20	54.90	54.49	54.48	54.41	
25	54.90	55.11	54.55	60.50	60.15	62.35	57.87	55.29	54.90	54.48	54.48	54.40	
26	54.89	55.07	55.62	60.53	60.30	63.01	57.44	55.44	54.89	54.49	54.48	54.40	
27	54.87	55.05	55.48	60.44	60.40	63.33	57.14	55.52	54.88	54.49	54.48	54.39	
28	54.84	55.02	55.37	60.36	60.51	63.41	56.89	55.65	54.86	54.50	54.47	54.39	
29	54.78	54.98	55.42	60.30	60.81	63.52	56.73	55.90	54.80	54.51		54.38	
30	54.73	54.94	55.32	60.17	61.20	63.84	56.57	56.09	54.78	54.50		54.37	
31		54.90		59.65	61.42		56.43		54.72	54.50		54.37	
Mean	54.99	54.93	54.69	58.13	60.41	62.10	61.58	55.57	55.19	54.57	54.50	54.43	
Max	55.28	55.30	55.62	60.53	62.08	63.84	64.23	56.38	56.18	54.70	54.52	54.47	64.23
Min	54.73	54.51	54.40	55.03	57.92	61.20	56.43	55.18	54.72	54.48	54.47	54.37	54.37
Annual Max Momentary Gage Height	64.32		m. (MSL.) ,		at 04.00 Hours ,	on Oct 1, 2022							
Zero Gage at Bottom Elevation		51.80	m. (MSL.) ,		River Bed	52.87	m. (MSL.)						
Left Bank Elevation		64.37	m. (MSL.) ,										
Right Bank Elevation		64.15	m. (MSL.) ,		Drainage Are	7,400	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.36	0.00	0.20	4.40	92.00	194.95	495.86	24.73	17.84	0.00	0.00	0.00	
2	4.28	0.00	0.00	3.80	69.06	195.38	433.10	21.68	20.09	0.00	0.00	0.00	
3	3.80	0.00	0.00	3.32	85.92	200.54	415.90	19.68	15.64	0.00	0.00	0.00	
4	3.44	0.00	0.00	3.08	110.00	206.56	395.20	18.45	11.52	0.00	0.00	0.00	
5	3.20	0.00	0.00	2.72	102.56	213.96	371.75	16.21	9.50	0.00	0.00	0.00	
6	2.96	0.00	0.00	2.48	100.00	212.64	350.52	13.55	8.29	0.00	0.00	0.00	
7	2.84	0.00	0.00	2.36	88.80	209.14	333.11	11.67	7.21	0.00	0.00	0.00	
8	2.72	0.00	0.00	2.48	74.55	201.83	320.19	10.12	6.20	0.00	0.00	0.00	
9	2.60	0.00	0.00	5.24	113.06	206.99	309.21	9.23	5.36	0.00	0.00	0.00	
10	2.48	0.00	0.00	12.14	170.90	221.13	301.47	8.56	4.64	0.00	0.00	0.00	
11	2.36	3.92	0.00	14.12	203.55	237.40	293.73	7.75	4.16	0.00	0.00	0.00	
12	2.24	3.92	0.00	16.81	208.71	249.00	288.57	7.07	3.80	0.00	0.00	0.00	
13	2.24	3.44	0.00	17.63	203.98	246.04	284.70	6.68	3.56	0.00	0.00	0.00	
14	2.12	3.20	0.00	78.56	195.81	231.36	281.48	5.00	3.44	0.00	0.00	0.00	
15	2.12	2.84	0.00	122.32	185.33	216.16	279.87	5.36	3.08	0.00	0.00	0.00	
16	2.00	2.72	0.00	138.46	189.48	203.55	279.07	5.00	2.72	0.00	0.00	0.00	
17	1.80	2.72	0.00	143.02	213.52	192.39	278.26	4.76	2.72	0.00	0.00	0.00	
18	1.60	2.96	0.00	143.02	222.52	184.50	275.85	5.24	2.72	0.00	0.00	0.00	
19	1.60	2.96	0.00	144.16	214.84	195.38	270.21	5.48	2.24	0.00	0.00	0.00	
20	1.40	3.92	0.00	148.34	200.11	212.64	259.32	5.12	1.90	0.00	0.00	0.00	
21	1.30	5.60	0.00	152.90	180.10	213.52	228.57	4.64	1.90	0.00	0.00	0.00	
22	1.30	5.24	0.00	156.02	162.65	208.71	176.10	4.28	1.50	0.00	0.00	0.00	
23	1.20	4.52	0.00	156.02	152.52	204.84	130.00	4.16	1.10	0.00	0.00	0.00	
24	1.10	3.80	0.00	151.76	146.44	210.00	92.96	4.40	1.00	0.00	0.00	0.00	
25	1.00	3.32	0.00	156.80	143.40	235.08	67.54	5.48	1.00	0.00	0.00	0.00	
26	0.90	2.84	9.81	157.97	149.10	269.41	54.50	7.34	0.90	0.00	0.00	0.00	
27	0.70	2.60	7.88	154.46	152.90	301.47	45.76	8.42	0.80	0.00	0.00	0.00	
28	0.40	2.24	6.44	151.38	157.19	312.12	38.51	10.28	0.60	0.00	0.00	0.00	
29	0.00	1.80	7.07	149.10	168.90	329.88	33.87	14.50	0.00	0.00		0.00	
30	0.00	1.40	5.84	144.16	184.50	390.60	29.37	18.25	0.00	0.00		0.00	
31		1.00		125.45	193.66		25.94		0.00	0.00		0.00	
Total	61.06	66.96	37.24	2664.48	4836.06	6907.17	7440.49	293.09	145.43	0.00	0.00	0.00	22451.98 CMSDAY
Mean	2.04	2.16	1.24	85.95	156.00	230.24	240.02	9.77	4.69	0.00	0.00	0.00	61.51 CMS
Max	5.36	5.60	9.81	157.97	222.52	390.60	495.86	24.73	20.09	0.00	0.00	0.00	495.86 CMS
Min	0.00	0.00	0.00	2.36	69.06	184.50	25.94	4.16	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	5.28	5.79	3.22	230.21	417.84	596.78	642.86	25.32	12.57	0.00	0.00	0.00	1939.85 MCM
Momentary Peak	530.24 CMS. at 64.32 m. (MSL.) at 04.00 Hours , on Oct 1, 2022												
Runoff Yield	8.31	Liters/Second/Square KM.			Momentary Peak Yield		71.65	Liters/Second/Square KM.					

WATER YEAR : 2022**PASAK RIVER BASIN****Pasak River at Ban Phun Sap , Lop Buri (S.43)**

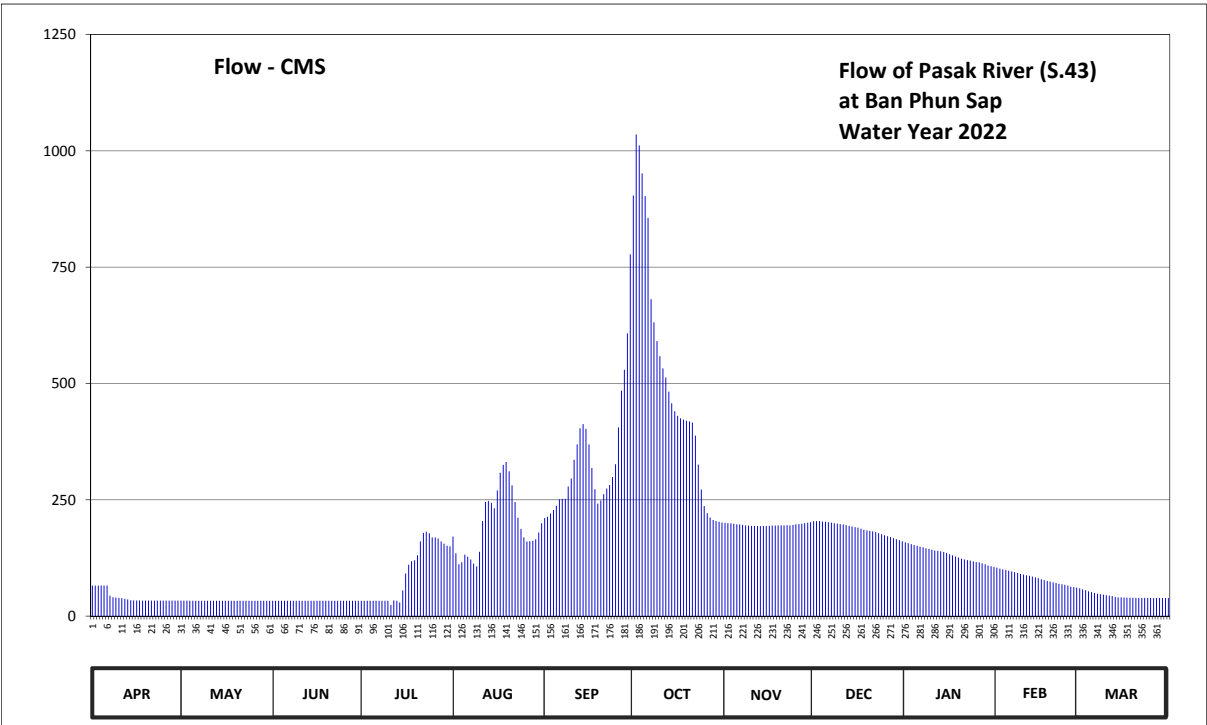
Lat 15 - 19 - 39 N Long 101 - 12 - 45 E

Location : on right bank at the bridge.

	Ban	Phun Sap	Amphoe	Chai Badan	Changwat	Lop Buri
Drainge Area	9,359	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the Staff gage.				Elevation	+51.908 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2011 to date					
Rating Operation						
Period of Rating	2011 to date					
Rated by Float	-					
Rated by Current Meter	2011 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +51.920 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 32 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	40.94	39.99	39.98	39.98	43.27	44.03	51.75	43.82	43.89	43.03	41.89	40.78	
2	40.94	39.99	39.98	39.98	42.56	44.08	52.72	43.81	43.89	42.99	41.85	40.71	
3	40.94	39.99	39.98	39.98	42.05	44.20	52.55	43.80	43.90	42.95	41.81	40.66	
4	40.94	39.98	39.98	39.98	42.15	44.33	52.09	43.78	43.88	42.91	41.79	40.60	
5	40.94	39.98	39.98	39.98	42.50	44.49	51.74	43.76	43.87	42.88	41.75	40.55	
6	40.94	39.98	39.98	39.98	42.41	44.73	51.42	43.75	43.85	42.84	41.71	40.50	
7	40.32	39.98	39.98	39.98	42.28	44.75	51.08	43.73	43.83	42.81	41.68	40.45	
8	40.22	39.98	39.98	39.98	42.08	44.75	50.76	43.71	43.81	42.77	41.64	40.42	
9	40.20	39.98	39.98	39.98	41.95	45.17	50.48	43.70	43.79	42.74	41.60	40.39	
10	40.18	39.98	39.98	39.98	42.62	45.47	50.17	43.69	43.77	42.71	41.56	40.36	
11	40.15	39.98	39.98	39.63	43.90	46.09	49.87	43.69	43.75	42.67	41.52	40.33	
12	40.11	39.98	39.98	40.01	44.63	46.57	49.63	43.68	43.72	42.66	41.49	40.29	
13	40.07	39.98	39.98	39.98	44.67	47.06	49.20	43.68	43.69	42.64	41.45	40.24	
14	40.02	39.98	39.98	39.84	44.60	47.18	48.77	43.68	43.66	42.61	41.41	40.21	
15	40.01	39.98	39.98	40.65	44.40	47.04	48.40	43.69	43.63	42.57	41.36	40.21	
16	40.00	39.98	39.98	41.61	45.04	46.57	48.09	43.69	43.61	42.52	41.30	40.20	
17	40.00	39.98	39.98	42.03	45.67	45.83	47.86	43.70	43.57	42.47	41.26	40.19	
18	39.99	39.98	39.98	42.20	45.93	45.08	47.69	43.70	43.53	42.42	41.22	40.19	
19	39.99	39.98	39.98	42.24	46.02	44.57	47.56	43.71	43.51	42.37	41.18	40.19	
20	39.99	39.98	39.98	42.47	45.72	44.69	47.44	43.71	43.49	42.32	41.13	40.18	
21	39.99	39.98	39.98	43.07	45.21	44.91	47.27	43.71	43.47	42.28	41.09	40.18	
22	39.99	39.98	39.98	43.41	44.63	45.10	46.84	43.72	43.44	42.25	41.05	40.18	
23	39.99	39.98	39.98	43.46	44.04	45.22	45.94	43.71	43.40	42.23	41.02	40.18	
24	39.99	39.98	39.98	43.40	43.56	45.52	45.07	43.73	43.36	42.19	40.99	40.18	
25	39.99	39.98	39.98	43.24	43.24	45.95	44.48	43.76	43.32	42.16	40.94	40.17	
26	39.99	39.98	39.98	43.24	43.06	47.08	44.21	43.77	43.28	42.14	40.88	40.17	
27	39.99	39.98	39.98	43.20	43.08	48.05	44.05	43.79	43.25	42.10	40.85	40.17	
28	39.99	39.98	39.98	43.07	43.10	48.52	43.95	43.81	43.21	42.05	40.82	40.17	
29	39.99	39.98	39.98	42.97	43.16	49.34	43.90	43.83	43.17	41.99		40.17	
30	39.99	39.98	39.98	42.88	43.43	50.84	43.87	43.85	43.12	41.96		40.16	
31		39.98		42.85	43.81		43.84		43.08	41.93		40.16	
Mean	40.23	39.98	39.98	41.46	43.70	45.91	48.15	43.74	43.57	42.49	41.37	40.31	
Max	40.94	39.99	39.98	43.46	46.02	50.84	52.72	43.85	43.90	43.03	41.89	40.78	52.72
Min	39.99	39.98	39.98	39.63	41.95	44.03	43.84	43.68	43.08	41.93	40.82	40.16	39.63
Annual Max Momentary Gage Height	52.83		m. (MSL.) ,			at 18.00 Hours , on	Oct 2, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	36.54	m. (MSL.)					
Left Bank Elevation		51.91	m. (MSL.) ,										
Right Bank Elevation		51.95	m. (MSL.) ,			Drainage Are	9,359	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	65.53	33.24	32.98	32.98	170.82	210.78	903.89	200.28	203.70	158.59	104.06	59.75		
2	65.53	33.24	32.98	32.98	135.18	213.62	1034.96	199.79	203.70	156.65	102.24	57.29		
3	65.53	33.24	32.98	32.98	111.31	220.46	1011.63	199.30	204.19	154.71	100.42	55.53		
4	65.53	32.98	32.98	32.98	115.80	227.86	951.31	198.32	203.21	152.76	99.51	53.43		
5	65.53	32.98	32.98	32.98	132.12	237.05	902.48	197.35	202.72	151.31	97.69	51.67		
6	65.53	32.98	32.98	32.98	127.53	250.93	855.70	196.86	201.74	149.36	95.87	49.91		
7	43.82	32.98	32.98	32.98	121.63	252.09	681.10	195.88	200.77	147.91	94.50	48.16		
8	40.60	32.98	32.98	32.98	112.65	252.09	631.26	194.90	199.79	145.89	92.68	47.10		
9	39.95	32.98	32.98	32.98	106.79	278.38	591.08	194.42	198.81	144.36	90.86	46.08		
10	39.31	32.98	32.98	32.98	138.24	295.83	558.44	193.93	197.84	142.83	89.27	45.11		
11	38.34	32.98	32.98	23.88	204.19	335.84	532.16	193.93	196.86	140.79	87.68	44.14		
12	37.05	32.98	32.98	33.82	245.15	368.96	512.51	193.44	195.39	140.28	86.49	42.85		
13	35.76	32.98	32.98	32.98	247.46	403.79	482.46	193.44	193.93	139.26	84.90	41.24		
14	34.15	32.98	32.98	29.34	243.41	412.46	457.44	193.44	192.46	137.73	83.31	40.27		
15	33.82	32.98	32.98	55.18	231.84	402.34	440.00	193.93	191.00	135.69	81.33	40.27		
16	33.50	32.98	32.98	91.32	270.16	368.96	430.36	193.93	190.02	133.14	78.94	39.95		
17	33.50	32.98	32.98	110.41	307.93	318.47	425.09	194.42	187.83	130.59	77.35	39.63		
18	33.24	32.98	32.98	118.04	325.06	272.69	422.10	194.42	185.56	128.04	75.77	39.63		
19	33.24	32.98	32.98	119.84	331.04	241.68	419.96	194.90	184.43	125.67	74.24	39.63		
20	33.24	32.98	32.98	130.59	311.23	248.62	418.31	194.90	183.29	123.43	72.43	39.31		
21	33.24	32.98	32.98	160.54	280.86	261.94	415.96	194.90	182.16	121.63	70.98	39.31		
22	33.24	32.98	32.98	178.76	245.15	273.96	387.88	195.39	180.46	120.29	69.53	39.31		
23	33.24	32.98	32.98	181.59	211.35	281.43	325.72	194.90	178.19	119.39	68.44	39.31		
24	33.24	32.98	32.98	178.19	187.26	298.71	272.06	195.88	175.92	117.59	67.35	39.31		
25	33.24	32.98	32.98	169.12	169.12	326.38	236.47	197.35	173.65	116.24	65.53	38.98		
26	33.24	32.98	32.98	169.12	160.05	405.23	221.02	197.84	171.39	115.35	63.35	38.98		
27	33.24	32.98	32.98	166.85	161.02	484.49	211.92	198.81	169.69	113.55	62.27	38.98		
28	33.24	32.98	32.98	160.54	161.99	529.40	206.63	199.79	167.42	111.31	61.18	38.98		
29	33.24	32.98	32.98	155.68	164.91	607.36	204.19	200.77	165.39	108.61		38.98		
30	33.24	32.98	32.98	151.31	179.89	777.25	202.72	201.74	162.96	107.24		38.66		
31		32.98		149.85	199.79		201.25		161.02	105.88		38.66		
Total	1235.10	1023.16	989.40	2896.75	6110.93	10059.05	15548.06	5889.15	5805.49	4096.07	2298.17	1350.41	57301.74	CMSDAY
Mean	41.17	33.01	32.98	93.44	197.13	335.30	501.55	196.31	187.27	132.13	82.08	43.56	156.99	CMS
Max	65.53	33.24	32.98	181.59	331.04	777.25	1034.96	201.74	204.19	158.59	104.06	59.75	1034.96	CMS
Min	33.24	32.98	32.98	23.88	106.79	210.78	201.25	193.44	161.02	105.88	61.18	38.66	23.88	CMS
Runoff	106.71	88.40	85.48	250.28	527.98	869.10	1343.35	508.82	501.59	353.90	198.56	116.68	4950.87	MCM
Momentary Peak	1050.39 CMS. at 52.83 m. (MSL.) at 18.00 Hours , on Oct 2, 2022													
Runoff Yield	16.77	Liters/Second/Square KM.			Momentary Peak Yield			112.23	Liters/Second/Square KM.					

WATER YEAR : 2022**PASAK RIVER BASIN****Pasak River at Ban Sao Hai , Saraburi (S.44)**

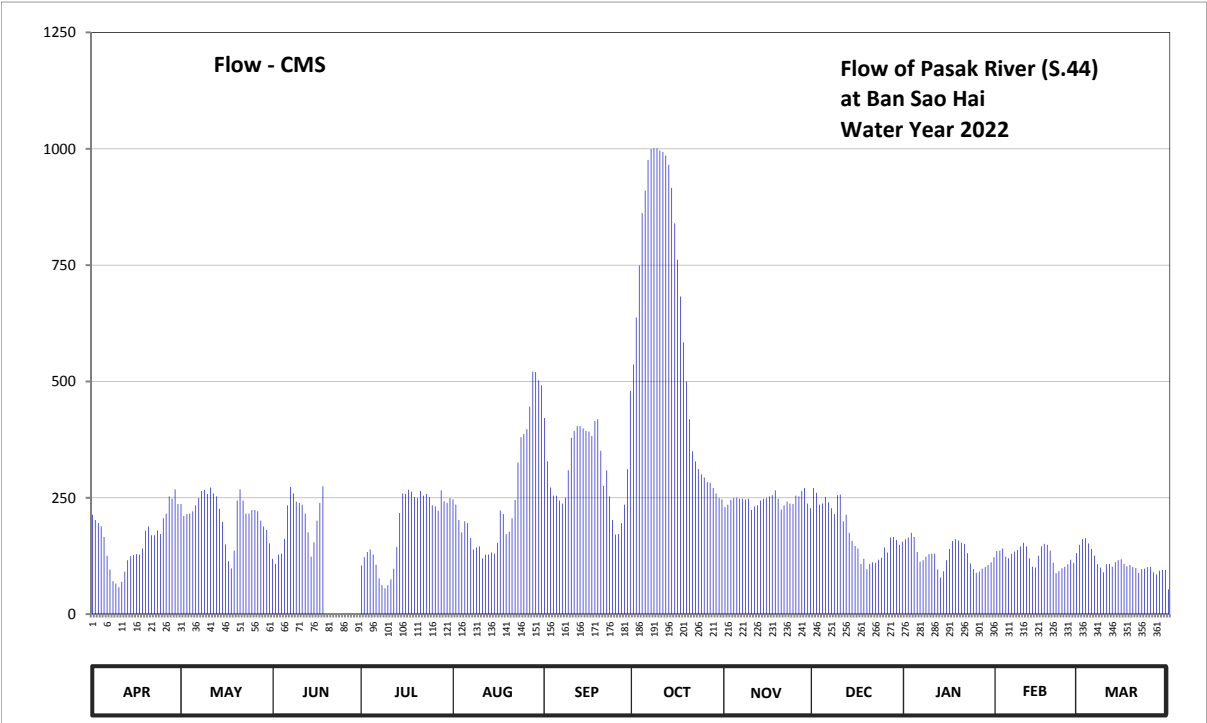
Lat 14 - 32 - 49 N Long 100 - 53 - 23 E

Location : on right bank at Ban Sao Hai.

	Ban	Sao Hai	Amphoe	Sao Hai	Changwat	Saraburi
Drainge Area	14,927	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank at the abutment of the bridge.				Elevation	+16.762 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2014 to date					
Rating Operation						
Period of Rating	2014 to date					
Rated by Flot	-					
Rated by Current Meter	2014 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 7 discharge measurements made in 2022.					
Remark	Telemetry system is error during 19-30 Jun.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.49	7.67	6.70	6.56	7.75	9.10	9.95	7.62	7.94	7.07	6.85	6.97	
2	7.40	7.47	6.60	6.73	7.66	8.39	10.69	7.66	7.86	7.10	6.86	7.07	
3	7.35	7.50	6.78	6.83	7.40	7.95	11.47	7.74	7.66	7.18	6.90	7.09	
4	7.29	7.51	6.80	6.88	7.19	7.81	12.26	7.77	7.68	7.11	6.74	7.00	
5	7.11	7.55	7.08	6.78	7.38	7.81	12.58	7.78	7.79	6.83	6.71	6.89	
6	6.76	7.65	7.65	6.58	7.35	7.73	13.02	7.76	7.70	6.64	6.80	6.76	
7	6.46	7.77	7.96	6.24	7.09	7.68	13.17	7.76	7.60	6.67	6.84	6.59	
8	6.17	7.89	7.85	6.05	6.88	7.78	13.18	7.75	7.50	6.74	6.87	6.51	
9	6.10	7.91	7.71	5.96	6.92	8.24	13.18	7.76	7.82	6.79	6.94	6.39	
10	5.99	7.84	7.69	6.05	6.94	8.78	13.15	7.57	7.83	6.80	7.01	6.59	
11	6.15	7.95	7.66	6.22	6.71	8.89	13.13	7.63	7.38	6.80	6.94	6.60	
12	6.41	7.85	7.51	6.48	6.78	8.97	13.08	7.65	7.49	6.46	6.71	6.53	
13	6.67	7.80	7.19	6.93	6.78	8.97	12.95	7.73	7.18	6.26	6.53	6.63	
14	6.75	7.59	6.74	7.52	6.82	8.93	12.62	7.76	7.04	6.42	6.51	6.67	
15	6.77	7.37	7.02	7.85	6.80	8.89	12.11	7.77	6.95	6.67	6.76	6.69	
16	6.79	6.98	7.39	7.84	7.01	8.88	11.56	7.80	6.90	6.89	6.94	6.60	
17	6.78	6.65	7.69	7.91	7.56	8.81	11.00	7.82	6.60	7.04	6.99	6.54	
18	6.90	6.49	7.97	7.88	7.50	9.05	10.30	7.90	6.70	7.07	6.97	6.57	
19	7.22	6.86		7.79	7.16	9.08	9.68	7.76	6.47	7.05	6.86	6.52	
20	7.29	7.73		7.77	7.20	8.57	9.08	7.58	6.60	7.01	6.62	6.50	
21	7.14	7.92		7.89	7.43	7.98	8.56	7.65	6.63	6.99	6.37	6.38	
22	7.14	7.73		7.81	7.74	8.24	8.39	7.71	6.62	6.81	6.42	6.47	
23	7.22	7.51		7.84	8.37	7.80	8.26	7.68	6.68	6.61	6.49	6.48	
24	7.16	7.51		7.79	8.79	7.40	8.17	7.67	6.72	6.47	6.53	6.52	
25	7.43	7.57		7.65	8.84	7.15	8.12	7.81	6.92	6.38	6.59	6.53	
26	7.51	7.57		7.63	8.92	7.16	8.04	7.80	6.82	6.41	6.68	6.39	
27	7.80	7.55		7.56	9.28	7.35	8.03	7.89	7.10	6.48	6.62	6.34	
28	7.76	7.39		7.90	9.84	7.66	7.94	7.94	7.11	6.52	6.81	6.43	
29	7.92	7.29		7.72	9.83	8.26	7.85	7.68	7.06	6.57		6.45	
30	7.67	7.23		7.69	9.70	9.53	7.77	7.60	6.97	6.63		6.45	
31		7.00		7.77	9.62		7.75		7.03	6.73		5.93	
Mean	7.02	7.49	7.33	7.23	7.78	8.29	10.55	7.73	7.17	6.75	6.75	6.58	
Max	7.92	7.95	7.97	7.91	9.84	9.53	13.18	7.94	7.94	7.18	7.01	7.09	13.18
Min	5.99	6.49	6.60	5.96	6.71	7.15	7.75	7.57	6.47	6.26	6.37	5.93	5.93
Annual Max Momentary Gage Height	13.21		m. (MSL.) ,			at 24.00 Hours ,	on Oct 6, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	-0.56	m. (MSL)					
Left Bank Elevation		16.51	m. (MSL.) ,										
Right Bank Elevation		16.54	m. (MSL.) ,			Drainage Are	14,927	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	213.48	236.43	119.00	104.50	246.63	421.57	536.34	230.05	270.81	160.75	135.50	148.70		
2	202.00	210.93	108.00	122.30	235.15	328.17	637.61	235.15	260.63	164.50	136.60	160.75		
3	195.75	214.75	127.80	133.30	202.00	272.08	749.16	245.35	235.15	174.50	141.00	163.25		
4	188.25	216.03	130.00	138.80	175.75	254.27	861.74	249.18	237.70	165.75	123.40	152.00		
5	165.75	221.13	162.00	127.80	199.50	254.27	909.96	250.45	251.73	133.30	120.10	139.90		
6	125.60	233.88	233.88	106.25	195.75	244.08	976.10	247.90	240.25	112.40	130.00	125.60		
7	95.75	249.18	273.36	76.50	163.25	237.70	999.35	247.90	227.50	115.70	134.40	107.13		
8	70.83	264.45	259.36	62.13	138.80	250.45	1000.90	246.63	214.75	123.40	137.70	100.13		
9	65.75	267.00	241.53	55.60	143.20	309.00	1000.90	247.90	255.55	128.90	145.40	89.63		
10	57.78	258.09	238.98	62.13	145.40	378.90	996.25	223.68	256.82	130.00	153.25	107.13		
11	69.38	272.08	235.15	74.75	120.10	393.51	993.15	231.33	199.50	130.00	145.40	108.00		
12	91.38	259.36	216.03	97.50	127.80	404.13	985.40	233.88	213.48	95.75	120.10	101.88		
13	115.70	253.00	175.75	144.30	127.80	404.13	965.50	244.08	174.50	78.25	101.88	111.30		
14	124.50	226.23	123.40	217.30	132.20	398.82	915.97	247.90	157.00	92.25	100.13	115.70		
15	126.70	198.25	154.50	259.36	130.00	393.51	839.72	249.18	146.50	115.70	125.60	117.90		
16	128.90	149.80	200.75	258.09	153.25	392.18	761.66	253.00	141.00	139.90	145.40	108.00		
17	127.80	113.50	238.98	267.00	222.40	382.88	682.41	255.55	108.00	157.00	150.90	102.75		
18	141.00	98.38	274.63	263.18	214.75	414.84	583.89	265.72	119.00	160.75	148.70	105.38		
19	179.50	136.60		251.73	172.00	418.88	499.75	247.90	96.63	158.25	136.60	101.00		
20	188.25	244.08		249.18	177.00	351.17	418.88	224.95	108.00	153.25	110.20	99.25		
21	169.50	268.27		264.45	205.83	275.90	349.89	233.88	111.30	150.90	87.88	88.75		
22	169.50	244.08		254.27	245.35	309.00	328.17	241.53	110.20	131.10	92.25	96.63		
23	179.50	216.03		258.09	325.61	253.00	311.56	237.70	116.80	109.10	98.38	97.50		
24	172.00	216.03		251.73	380.23	202.00	300.07	236.43	121.20	96.63	101.88	101.00		
25	205.83	223.68		233.88	386.87	170.75	293.71	254.27	143.20	88.75	107.13	101.88		
26	216.03	223.68		231.33	397.49	172.00	283.53	253.00	132.20	91.38	116.80	89.63		
27	253.00	221.13		222.40	445.81	195.75	282.26	264.45	164.50	97.50	110.20	85.25		
28	247.90	200.75		265.72	521.39	235.15	270.81	270.81	165.75	101.00	131.10	93.13		
29	268.27	188.25		242.80	520.03	311.56	259.36	237.70	159.50	105.38		94.88		
30	236.43	180.75		238.98	502.45	479.51	249.18	227.50	148.70	111.30		94.88		
31		152.00		249.18	491.66		246.63		155.75	122.30		53.43		
Total	4792.01	6657.80	3513.10	5784.53	7845.45	9509.16	19489.81	7334.95	5443.60	3895.64	3487.88	3362.34	81116.27	CMSDAY
Mean	159.73	214.77	195.17	186.60	253.08	316.97	628.70	244.50	175.60	125.67	124.57	108.46	229.79	CMS
Max	268.27	272.08	274.63	267.00	521.39	479.51	1000.90	270.81	270.81	174.50	153.25	163.25	1000.90	CMS
Min	57.78	98.38	108.00	55.60	120.10	170.75	246.63	223.68	96.63	78.25	87.88	53.43	53.43	CMS
Runoff	414.03	575.23	303.53	499.78	677.85	821.59	1683.92	633.74	470.33	336.58	301.35	290.51	7008.45	MCM
Momentary Peak	1005.55 CMS. at 13.21 m. (MSL.) at 24.00 Hours , on Oct 6, 2022													
Runoff Yield	14.89	Liters/Second/Square KM.			Momentary Peak Yield		67.36	Liters/Second/Square KM.						

WATER YEAR : 2022**THA CHIN BASIN****Lower Huai Kra Sieo at Ban Thap Man, Suphan Buri (T.12A)**

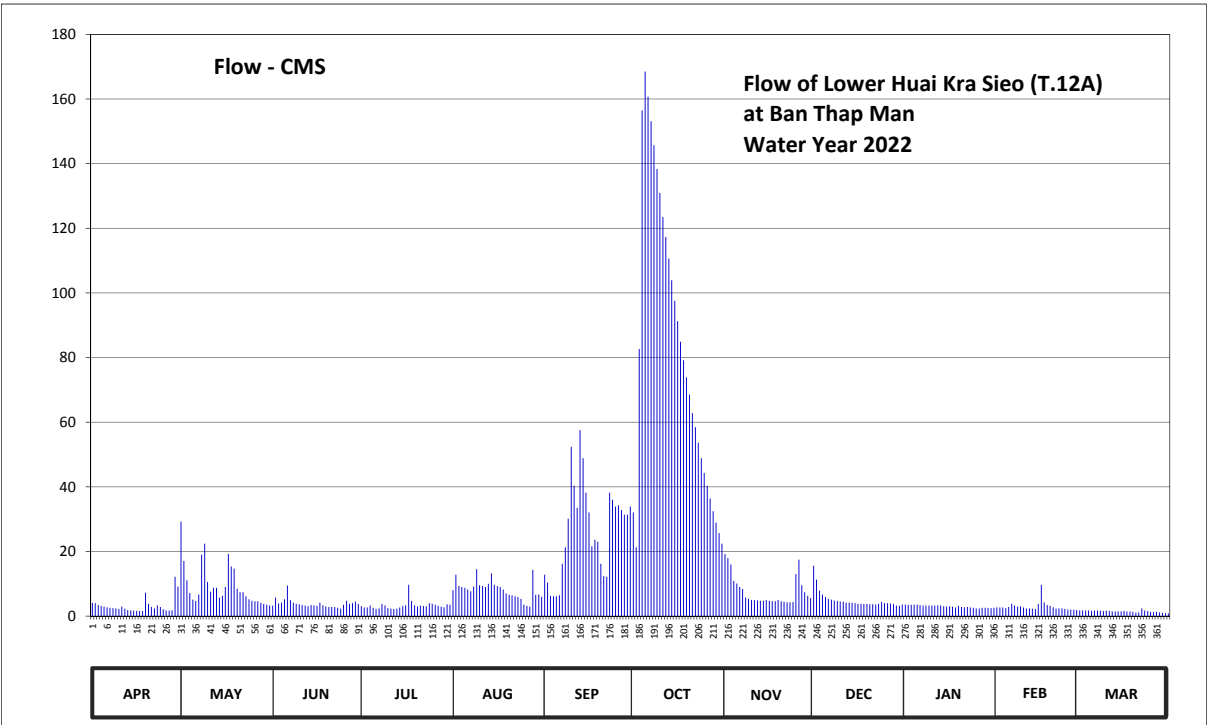
Lat 15 - 00 - 52 N Long 99 - 36 - 59 E

Location : on left bank at Ban Thap Man.

	Ban	Thap Man	Amphoe	Dan Chang	Changwat	Suphan Buri
Drainage Area	640	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the bridge				Elevation	+103.545 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings					
Period of Available Gage Records	2006 to date					
Rating Operation						
Period of Rating	2006 to date					
Rated by Float	-					
Rated by Current Meter	2006 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow					
General Description	Records good. Stage-discharge relation defined by 13 discharge measurements made in 2022.					

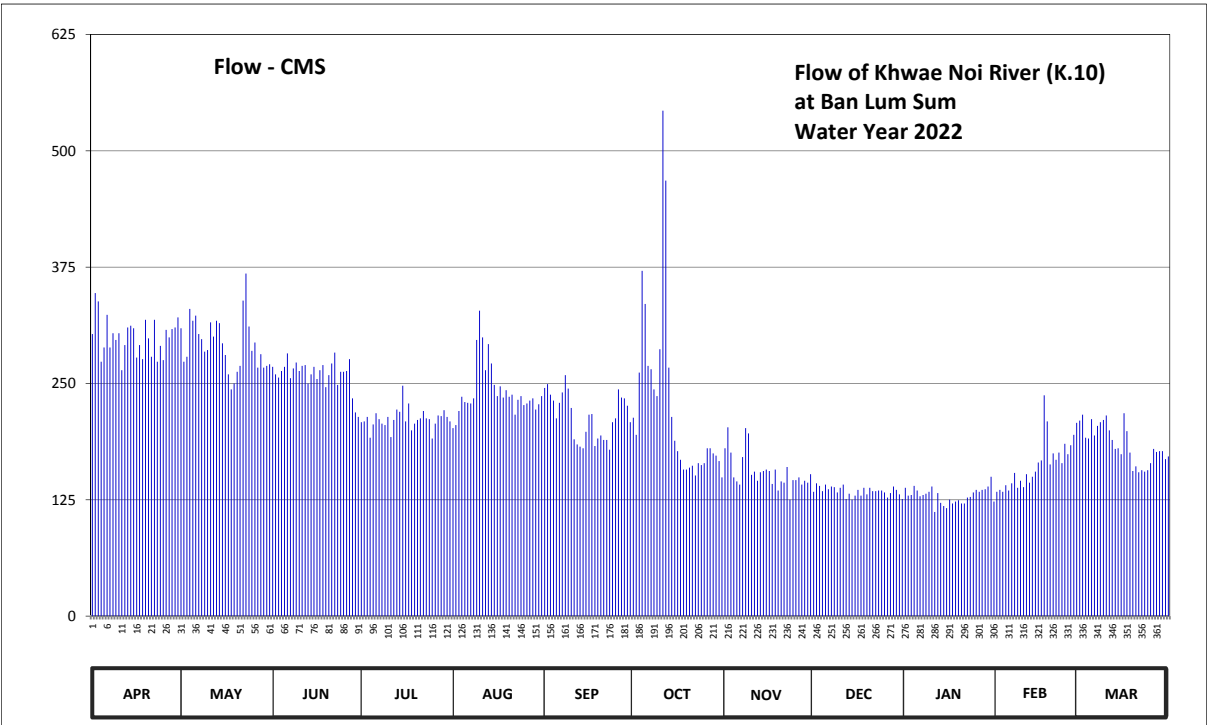
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	98.07	99.34	97.97	97.95	98.41	98.70	99.43	99.00	98.83	98.01	97.91	97.80	
2	98.06	98.90	98.24	97.90	98.70	98.58	99.07	98.94	98.63	98.00	97.90	97.80	
3	97.99	98.62	98.05	97.90	98.50	98.28	100.61	98.85	98.40	98.00	97.90	97.80	
4	97.96	98.34	98.08	97.97	98.48	98.27	101.80	98.61	98.31	98.01	97.88	97.78	
5	97.93	98.19	98.20	97.89	98.46	98.27	101.97	98.56	98.25	98.01	97.92	97.76	
6	97.91	98.14	98.51	97.85	98.42	98.29	101.86	98.48	98.21	97.99	98.04	97.78	
7	97.89	98.31	98.17	97.87	98.38	98.86	101.75	98.43	98.19	97.97	97.97	97.77	
8	97.88	98.99	98.08	98.03	98.49	99.07	101.64	98.24	98.16	97.97	97.94	97.76	
9	97.87	99.11	98.04	97.98	98.78	99.37	101.53	98.21	98.14	97.97	97.94	97.75	
10	97.85	98.59	98.02	97.88	98.52	99.96	101.42	98.18	98.12	97.97	97.90	97.77	
11	97.94	98.37	97.99	97.86	98.50	99.66	101.30	98.17	98.11	97.97	97.86	97.75	
12	97.86	98.46	97.97	97.85	98.48	99.47	101.20	98.16	98.08	97.98	97.87	97.73	
13	97.81	98.46	97.95	97.86	98.55	100.08	101.09	98.15	98.08	97.97	97.86	97.72	
14	97.79	98.24	97.99	97.90	98.72	99.88	100.98	98.15	98.07	97.95	97.85	97.73	
15	97.77	98.28	97.98	97.95	98.53	99.60	100.87	98.17	98.06	97.94	98.03	97.73	
16	97.76	98.48	97.96	97.98	98.50	99.43	100.76	98.15	98.04	97.95	98.53	97.76	
17	97.74	99.00	98.08	98.53	98.48	99.08	100.65	98.13	98.04	97.93	98.09	97.72	
18	97.75	98.82	97.98	98.14	98.42	99.15	100.54	98.13	98.03	97.90	97.99	97.72	
19	98.35	98.79	97.94	97.98	98.33	99.13	100.43	98.18	98.03	97.96	97.96	97.69	
20	98.04	98.44	97.92	97.94	98.30	98.86	100.32	98.13	98.02	97.92	97.91	97.64	
21	97.92	98.36	97.92	97.97	98.29	98.68	100.20	98.11	98.02	97.91	97.86	97.65	
22	97.87	98.36	97.92	97.96	98.27	98.67	100.10	98.09	98.01	97.92	97.87	97.87	
23	97.98	98.27	97.89	97.95	98.25	99.60	99.99	98.09	98.04	97.90	97.87	97.78	
24	97.92	98.20	97.86	98.06	98.21	99.54	99.88	98.10	98.10	97.89	97.85	97.75	
25	97.84	98.15	98.00	98.04	98.01	99.48	99.77	98.71	98.06	97.87	97.83	97.69	
26	97.80	98.13	98.15	98.00	97.96	99.49	99.66	98.92	98.06	97.86	97.82	97.68	
27	97.78	98.13	98.03	97.96	97.93	99.45	99.55	98.52	98.05	97.89	97.82	97.69	
28	97.79	98.07	98.06	97.93	98.77	99.41	99.44	98.36	98.03	97.89	97.81	97.65	
29	98.67	98.03	98.12	97.91	98.30	99.41	99.33	98.28	97.97	97.89		97.62	
30	98.49	98.00	98.03	98.02	98.31	99.48	99.22	98.23	97.96	97.88		97.60	
31		97.98		98.00	98.26		99.11		98.01	97.89		97.59	
Mean	97.94	98.44	98.04	97.97	98.40	99.17	100.50	98.35	98.13	97.94	97.93	97.73	
Max	98.67	99.34	98.51	98.53	98.78	100.08	101.97	99.00	98.83	98.01	98.53	97.87	101.97
Min	97.74	97.98	97.86	97.85	97.93	98.27	99.07	98.09	97.96	97.86	97.81	97.59	97.59
Annual Max Momentary Gage Height	102.08		m. (MSL.) ,			at 08.00 Hours ,	on Oct 4, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	97.25	m. (MSL.)					
Left Bank Elevation		103.24	m. (MSL.) ,										
Right Bank Elevation		103.26	m. (MSL.) ,			Drainage Are	640	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.09	29.25	3.24	3.07	8.06	12.80	32.10	19.20	15.57	3.58	2.73	1.80	
2	4.00	17.07	5.74	2.65	12.80	10.39	21.27	17.92	11.30	3.50	2.65	1.80	
3	3.41	11.09	3.92	2.65	9.29	6.28	82.62	16.00	7.93	3.50	2.65	1.80	
4	3.16	7.11	4.17	3.24	9.02	6.15	156.48	10.87	6.69	3.58	2.48	1.71	
5	2.90	5.11	5.19	2.56	8.75	6.15	168.52	10.11	5.87	3.58	2.82	1.62	
6	2.73	4.68	9.43	2.22	8.20	6.42	160.73	9.02	5.33	3.41	3.83	1.71	
7	2.56	6.69	4.94	2.39	7.65	16.21	153.12	8.34	5.11	3.24	3.24	1.67	
8	2.48	18.99	4.17	3.75	9.16	21.27	145.73	5.74	4.85	3.24	2.99	1.62	
9	2.39	22.45	3.83	3.33	14.50	30.13	138.34	5.33	4.68	3.24	2.99	1.58	
10	2.22	10.52	3.67	2.48	9.57	52.36	130.95	5.02	4.51	3.24	2.65	1.67	
11	2.99	7.52	3.41	2.31	9.29	40.35	123.48	4.94	4.43	3.24	2.31	1.58	
12	2.31	8.75	3.24	2.22	9.02	33.53	117.34	4.85	4.17	3.33	2.39	1.49	
13	1.89	8.75	3.07	2.31	9.98	57.60	110.59	4.77	4.17	3.24	2.31	1.44	
14	1.76	5.74	3.41	2.65	13.22	48.87	103.92	4.77	4.09	3.07	2.22	1.49	
15	1.67	6.28	3.33	3.07	9.70	38.20	97.59	4.94	4.00	2.99	3.75	1.49	
16	1.62	9.02	3.16	3.33	9.29	32.10	91.25	4.77	3.83	3.07	9.70	1.62	
17	1.53	19.20	4.17	9.70	9.02	21.56	84.92	4.60	3.83	2.90	4.26	1.44	
18	1.58	15.36	3.33	4.68	8.20	23.63	79.16	4.60	3.75	2.65	3.41	1.44	
19	7.24	14.72	2.99	3.33	6.97	23.04	73.88	5.02	3.75	3.16	3.16	1.31	
20	3.83	8.47	2.82	2.99	6.56	16.21	68.59	4.60	3.67	2.82	2.73	1.08	
21	2.82	7.38	2.82	3.24	6.42	12.37	62.83	4.43	3.67	2.73	2.31	1.13	
22	2.39	7.38	2.82	3.16	6.15	12.16	58.47	4.26	3.58	2.82	2.39	2.39	
23	3.33	6.15	2.56	3.07	5.87	38.20	53.67	4.26	3.83	2.65	2.39	1.71	
24	2.82	5.19	2.31	4.00	5.33	36.05	48.87	4.34	4.34	2.56	2.22	1.58	
25	2.14	4.77	3.50	3.83	3.58	33.89	44.30	13.01	4.00	2.39	2.05	1.31	
26	1.80	4.60	4.77	3.50	3.16	34.25	40.35	17.49	4.00	2.31	1.97	1.26	
27	1.71	4.60	3.75	3.16	2.90	32.82	36.41	9.57	3.92	2.56	1.97	1.31	
28	1.76	4.09	4.00	2.90	14.29	31.38	32.46	7.38	3.75	2.56	1.89	1.13	
29	12.16	3.75	4.51	2.73	6.56	31.38	28.95	6.28	3.24	2.56		0.99	
30	9.16	3.50	3.75	3.67	6.69	33.89	25.70	5.60	3.16	2.48		0.90	
31		3.33		3.50	6.01		22.45		3.58	2.56		0.86	
Total	96.45	291.51	116.02	101.69	255.21	799.64	2595.04	232.03	152.60	92.76	82.46	45.93	4861.34 CMSDAY
Mean	3.21	9.40	3.87	3.28	8.23	26.65	83.71	7.73	4.92	2.99	2.94	1.48	13.32 CMS
Max	12.16	29.25	9.43	9.70	14.50	57.60	168.52	19.20	15.57	3.58	9.70	2.39	168.52 CMS
Min	1.53	3.33	2.31	2.22	2.90	6.15	21.27	4.26	3.16	2.31	1.89	0.86	0.86 CMS
Runoff	8.53	25.19	10.02	8.79	22.05	69.09	224.21	20.05	13.18	8.01	7.12	3.97	420.02 MCM
Momentary Peak	176.30 CMS. at 102.08 m. (MSL.) at 08.00 Hours , on Oct 4, 2022												
Runoff Yield	20.81	Liters/Second/Square KM.			Momentary Peak Yield			275.47	Liters/Second/Square KM.				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	34.70	34.77	34.31	33.58	33.50	34.04	33.64	33.23	32.58	32.64	32.58	33.60	
2	35.19	34.37	34.22	33.59	33.54	34.09	33.41	33.51	32.71	32.52	32.61	33.68	
3	35.09	34.43	34.18	33.65	33.73	33.95	34.24	33.17	32.67	32.53	32.58	33.37	
4	34.37	35.00	34.26	33.37	33.92	33.87	35.45	32.80	32.59	32.67	32.68	33.36	
5	34.54	34.86	34.31	33.55	33.85	33.63	35.06	32.74	32.69	32.60	32.60	33.62	
6	34.93	34.92	34.47	33.70	33.84	33.84	34.32	32.69	32.62	32.51	32.71	33.40	
7	34.54	34.70	34.17	33.62	33.83	33.98	34.28	33.11	32.66	32.53	32.87	33.53	
8	34.71	34.64	34.29	33.56	33.90	34.21	34.02	33.50	32.65	32.55	32.64	33.58	
9	34.63	34.49	34.36	33.54	34.63	34.03	33.93	33.43	32.57	32.58	32.75	33.61	
10	34.71	34.51	34.26	33.65	34.98	33.77	34.52	32.84	32.64	32.66	32.65	33.67	
11	34.27	34.84	34.32	33.38	34.66	33.35	37.17	32.89	32.69	32.27	32.85	33.47	
12	34.57	34.67	34.33	33.61	34.27	33.28	36.42	32.75	32.47	32.56	32.72	33.34	
13	34.78	34.86	34.10	33.75	34.58	33.25	34.30	32.88	32.55	32.41	32.81	33.22	
14	34.80	34.83	34.22	33.72	34.35	33.23	33.65	32.90	32.46	32.36	32.89	33.23	
15	34.77	34.59	34.31	34.07	34.08	33.45	33.33	32.92	32.52	32.33	33.03	33.15	
16	34.42	34.45	34.16	33.59	33.93	33.68	33.19	32.90	32.61	32.46	33.06	33.70	
17	34.57	34.22	34.27	33.83	34.06	33.69	33.07	32.70	32.52	32.40	33.94	33.46	
18	34.40	34.02	34.33	33.47	33.91	33.26	32.92	32.92	32.64	32.43	33.59	33.17	
19	34.87	34.10	34.05	33.56	34.01	33.36	32.92	32.60	32.54	32.45	33.00	32.90	
20	34.65	34.25	34.21	33.61	33.92	33.40	32.95	32.74	32.64	32.40	33.16	32.97	
21	34.43	34.32	34.35	33.63	33.95	33.34	32.98	32.72	32.59	32.40	33.07	32.88	
22	34.87	35.10	34.48	33.73	33.68	33.34	32.83	32.96	32.59	32.49	33.17	32.91	
23	34.37	35.42	34.08	33.63	33.88	33.21	33.02	32.46	32.60	32.50	33.02	32.89	
24	34.56	34.79	34.25	33.62	33.93	33.58	32.99	32.76	32.60	32.57	33.29	32.91	
25	34.39	34.50	34.25	33.36	33.81	33.63	33.02	32.76	32.57	32.61	33.15	33.02	
26	34.75	34.60	34.26	33.56	33.83	34.02	33.23	32.80	32.49	32.58	33.27	33.22	
27	34.66	34.30	34.40	33.67	33.87	33.91	33.23	32.69	32.56	32.61	33.41	33.18	
28	34.76	34.46	33.90	33.66	33.90	33.90	33.16	32.75	32.66	32.62	33.57	33.19	
29	34.78	34.30	33.71	33.74	33.75	33.80	33.13	32.72	32.61	32.66		33.19	
30	34.90	34.32	33.65	33.65	33.82	33.58	33.05	32.85	32.54	32.81		33.08	
31		34.34		33.59	33.93		32.80		32.47	32.43		33.12	
Mean	34.67	34.58	34.22	33.62	33.99	33.66	33.75	32.89	32.59	32.52	32.99	33.28	
Max	35.19	35.42	34.48	34.07	34.98	34.21	37.17	33.51	32.71	32.81	33.94	33.70	37.17
Min	34.27	34.02	33.65	33.36	33.50	33.21	32.80	32.46	32.46	32.27	32.58	32.88	32.27
Annual Max Momentary Gage Height	37.55		m. (MSL) , at 11.00 Hours , on Oct 11, 2022										
Zero Gage at Bottom Elevation	30.40		m. (MSL) , River Bed 27.53 m. (MSL.)										
Left Bank Elevation	46.23		m. (MSL) ,										
Right Bank Elevation	45.97		m. (MSL) , Drainage Are 7,010 Square Kilometers										



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	303.00	309.30	267.90	208.40	202.00	245.20	213.20	180.40	133.60	137.80	133.60	210.00		
2	347.10	273.30	259.80	209.20	205.20	249.20	194.80	202.80	142.70	129.40	135.70	216.40		
3	338.10	278.70	256.40	214.00	220.40	238.00	261.60	175.60	139.90	130.10	133.60	191.60		
4	273.30	330.00	263.40	191.60	235.60	231.60	371.00	149.00	134.30	139.90	140.60	190.80		
5	288.60	317.40	267.90	206.00	230.00	212.40	335.40	144.80	141.30	135.00	135.00	211.60		
6	323.70	322.80	282.30	218.00	229.20	229.20	268.80	141.30	136.40	128.70	142.70	194.00		
7	288.60	303.00	255.60	211.60	228.40	240.40	265.20	170.80	139.20	130.10	153.90	204.40		
8	303.90	297.60	266.10	206.80	234.00	258.90	243.60	202.00	138.50	131.50	137.80	208.40		
9	296.70	284.10	272.40	205.20	296.70	244.40	236.40	196.40	132.90	133.60	145.50	210.80		
10	303.90	285.90	263.40	214.00	328.20	223.60	286.80	151.80	137.80	139.20	138.50	215.60		
11	264.30	315.60	268.80	192.40	299.40	190.00	543.00	155.30	141.30	111.90	152.50	199.60		
12	291.30	300.30	269.70	210.80	264.30	184.40	468.00	145.50	125.90	132.20	143.40	189.20		
13	310.20	317.40	250.00	222.00	292.20	182.00	267.00	154.60	131.50	121.70	149.70	179.60		
14	312.00	314.70	259.80	219.60	271.50	180.40	214.00	156.00	125.20	118.20	155.30	180.40		
15	309.30	293.10	267.90	247.60	248.40	198.00	188.40	157.40	129.40	116.10	165.10	174.00		
16	277.80	280.50	254.80	209.20	236.40	216.40	177.20	156.00	135.70	125.20	167.20	218.00		
17	291.30	259.80	264.30	228.40	246.80	217.20	167.90	142.00	129.40	121.00	237.20	198.80		
18	276.00	243.60	269.70	199.60	234.80	182.80	157.40	157.40	137.80	123.10	209.20	175.60		
19	318.30	250.00	246.00	206.80	242.80	190.80	157.40	135.00	130.80	124.50	163.00	156.00		
20	298.50	262.50	258.90	210.80	235.60	194.00	159.50	144.80	137.80	121.00	174.80	160.90		
21	278.70	268.80	271.50	212.40	238.00	189.20	161.60	143.40	134.30	121.00	167.90	154.60		
22	318.30	339.00	283.20	220.40	216.40	189.20	151.10	160.20	134.30	127.30	175.60	156.70		
23	273.30	368.00	248.40	212.40	232.40	178.80	164.40	125.20	135.00	128.00	164.40	155.30		
24	290.40	311.10	262.50	211.60	236.40	208.40	162.30	146.20	135.00	132.90	185.20	156.70		
25	275.10	285.00	262.50	190.80	226.80	212.40	164.40	146.20	132.90	135.70	174.00	164.40		
26	307.50	294.00	263.40	206.80	228.40	243.60	180.40	149.00	127.30	133.60	183.60	179.60		
27	299.40	267.00	276.00	215.60	231.60	234.80	180.40	141.30	132.20	135.70	194.80	176.40		
28	308.40	281.40	234.00	214.80	234.00	234.00	174.80	145.50	139.20	136.40	207.60	177.20		
29	310.20	267.00	218.80	221.20	222.00	226.00	172.40	143.40	135.70	139.20		177.20		
30	321.00	268.80	214.00	214.00	227.60	208.40	166.50	152.50	130.80	149.70		168.60		
31		270.60		209.20	236.40		149.00		125.90	123.10		171.60		
Total	8998.20	9060.30	7799.40	6561.20	7511.90	6433.70	7003.90	4671.80	4164.00	4012.80	4567.40	5724.00	76508.60	CMSDAY
Mean	299.94	292.27	259.98	211.65	242.32	214.46	225.93	155.73	134.32	129.45	163.12	184.65	209.61	CMS
Max	347.10	368.00	283.20	247.60	328.20	258.90	543.00	202.80	142.70	149.70	237.20	218.00	543.00	CMS
Min	264.30	243.60	214.00	190.80	202.00	178.80	149.00	125.20	125.20	111.90	133.60	154.60	111.90	CMS
Runoff	777.44	782.81	673.87	566.89	649.03	555.87	605.14	403.64	359.77	346.71	394.62	494.55	6610.34	MCM
Momentary Peak	603.14 CMS. at 37.55 m. (MSL.) at 11.00 Hours , on Oct 11, 2022													
Runoff Yield	29.90	Liters/Second/Square KM.			Momentary Peak Yield			86.04	Liters/Second/Square KM.					

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Mae Klong River at Ban Wang Khanai , Kanchanaburi (K.11A)**

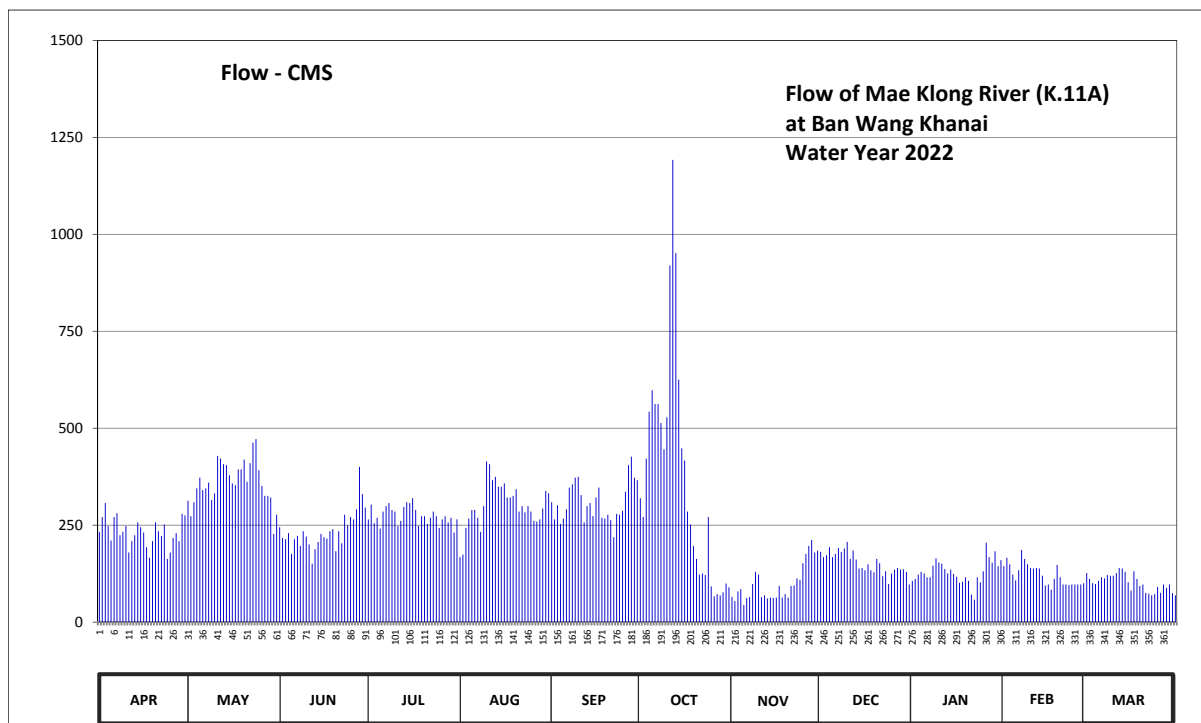
Lat 13 - 57 - 01 N Long 99 - 38 - 43 E

Location : on left bank at Ban Wang Khanai.

	Ban	Wang Khanai	Amphoe	Tha Muang	Changwat	Kanchanaburi
Drainge Area	25,744	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+9.700	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+17.820 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1993 to date					
Rating Operation						
Period of Rating	1993 - 1999 , 2005 to date					
Rated by Float	-					
Rated by Current Meter	1993 - 1999 , 2005 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 36 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	12.07	12.49	12.14	12.25	11.69	12.47	12.52	10.92	11.77	11.27	11.54	11.42	
2	12.28	12.29	11.98	12.44	11.73	12.25	12.28	10.80	11.69	11.31	11.68	11.31	
3	12.46	12.47	11.96	12.20	12.13	12.43	12.99	11.04	11.72	11.39	11.57	11.22	
4	12.16	12.64	12.05	12.27	12.26	12.19	13.49	11.09	11.84	11.44	11.39	11.20	
5	11.94	12.77	11.74	12.12	12.37	12.26	13.71	10.69	11.69	11.41	11.28	11.27	
6	12.28	12.62	11.96	12.35	12.37	12.38	13.57	10.89	11.74	11.34	11.47	11.34	
7	12.33	12.64	12.01	12.42	12.27	12.65	13.57	10.91	11.83	11.34	11.80	11.32	
8	12.02	12.71	11.86	12.46	12.07	12.69	13.37	11.20	11.77	11.55	11.66	11.38	
9	12.07	12.50	12.08	12.37	12.42	12.77	13.09	11.44	11.82	11.67	11.57	11.37	
10	12.16	12.58	12.00	12.35	12.96	12.78	13.43	11.39	11.92	11.60	11.51	11.37	
11	11.76	13.02	11.88	12.16	12.93	12.56	14.82	10.91	11.66	11.58	11.50	11.42	
12	11.93	12.99	11.58	12.23	12.74	12.21	15.61	10.95	11.79	11.49	11.51	11.51	
13	12.02	12.93	11.81	12.41	12.78	12.42	14.92	10.88	11.65	11.41	11.50	11.50	
14	12.21	12.92	11.92	12.47	12.66	12.46	13.81	10.90	11.50	11.48	11.37	11.44	
15	12.14	12.80	12.04	12.46	12.66	12.29	13.10	10.89	11.51	11.40	11.17	11.24	
16	12.06	12.70	11.99	12.52	12.70	12.53	12.97	10.90	11.47	11.35	11.19	11.06	
17	11.84	12.68	11.97	12.37	12.53	12.65	12.35	11.16	11.57	11.23	11.08	11.45	
18	11.68	12.87	12.08	12.16	12.53	12.27	12.18	10.90	11.47	11.25	11.31	11.31	
19	11.93	12.87	12.11	12.29	12.55	12.26	11.86	10.98	11.43	11.34	11.56	11.16	
20	12.21	12.98	11.78	12.29	12.63	12.31	11.66	10.90	11.66	11.27	11.34	11.19	
21	12.08	12.72	12.08	12.19	12.35	12.24	11.39	11.16	11.59	10.97	11.19	11.01	
22	12.01	12.94	11.90	12.27	12.42	11.99	11.41	11.17	11.36	10.84	11.19	10.99	
23	12.18	13.16	12.31	12.35	12.34	12.32	11.38	11.32	11.45	11.34	11.18	10.95	
24	11.66	13.20	12.17	12.29	12.42	12.31	12.28	11.29	11.20	11.24	11.19	10.98	
25	11.76	12.86	12.28	12.13	12.35	12.36	11.15	11.59	11.41	11.45	11.19	11.14	
26	11.98	12.67	12.25	12.25	12.23	12.60	10.93	11.74	11.48	11.91	11.19	11.01	
27	12.05	12.55	12.38	12.29	12.22	12.92	10.98	11.86	11.51	11.69	11.19	11.19	
28	11.93	12.55	12.90	12.21	12.25	13.01	10.95	11.95	11.48	11.60	11.22	11.12	
29	12.32	12.53	12.57	12.27	12.39	12.77	11.02	11.76	11.49	11.78		11.19	
30	12.30	12.04	12.40	12.06	12.61	12.74	11.21	11.79	11.44	11.54		11.00	
31		12.31		12.25	12.58		11.13		11.19	11.64		10.95	
Mean	12.06	12.71	12.07	12.30	12.42	12.47	12.55	11.18	11.58	11.42	11.38	11.23	
Max	12.46	13.20	12.90	12.52	12.96	13.01	15.61	11.95	11.92	11.91	11.80	11.51	15.61
Min	11.66	12.04	11.58	12.06	11.69	11.99	10.93	10.69	11.19	10.84	11.08	10.95	10.69
Annual Max Momentary Gage Height	15.75		m. (MSL.) ,			at 05.00 Hours , on Oct 12, 2022							
Zero Gage at Bottom Elevation		9.70	m. (MSL.) ,			River Bed	8.64	m. (MSL.)					
Left Bank Elevation		22.70	m. (MSL.) ,										
Right Bank Elevation		21.66	m. (MSL.) ,			Drainage Are	25,744	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	232.64	313.00	244.68	265.00	167.45	309.00	319.25	65.30	181.04	106.40	144.20	126.80		
2	271.00	273.00	217.16	303.00	174.16	265.00	271.00	54.00	167.45	111.40	165.90	111.40		
3	307.00	309.00	213.72	255.00	242.96	301.00	421.60	79.10	172.44	122.60	148.85	100.40		
4	248.12	344.75	229.20	269.00	267.00	253.28	542.57	84.85	193.08	129.60	122.60	98.00		
5	210.28	372.38	175.88	241.24	289.00	267.00	597.75	44.20	167.45	125.40	107.60	106.40		
6	271.00	340.50	213.72	285.00	289.00	291.00	562.50	62.10	175.88	115.60	133.80	115.60		
7	281.00	344.75	222.32	299.00	269.00	346.88	562.50	64.15	191.36	115.60	186.20	112.80		
8	224.04	359.63	196.52	307.00	232.64	355.38	513.37	98.00	181.04	145.75	162.80	121.20		
9	232.64	315.00	234.36	289.00	299.00	372.38	445.60	129.60	189.64	164.35	148.85	119.80		
10	248.12	332.00	220.60	285.00	414.40	374.50	527.97	122.60	206.84	153.50	139.55	119.80		
11	179.32	428.80	199.96	248.12	407.20	327.75	919.80	64.15	162.80	150.40	138.00	126.80		
12	208.56	421.60	150.40	261.00	366.00	257.00	1191.80	68.75	184.48	136.60	139.55	139.55		
13	224.04	407.20	187.92	297.00	374.50	299.00	951.40	61.20	161.25	125.40	138.00	138.00		
14	257.00	404.80	206.84	309.00	349.00	307.00	625.25	63.00	138.00	135.20	119.80	129.60		
15	244.68	378.75	227.48	307.00	349.00	273.00	448.00	62.10	139.55	124.00	94.40	102.80		
16	230.92	357.50	218.88	319.25	357.50	321.38	416.80	63.00	133.80	117.00	96.80	81.40		
17	193.08	353.25	215.44	289.00	321.38	346.88	285.00	93.20	148.85	101.60	83.70	131.00		
18	165.90	393.63	234.36	248.12	321.38	269.00	251.56	63.00	133.80	104.00	111.40	111.40		
19	208.56	393.63	239.52	273.00	325.63	267.00	196.52	72.20	128.20	115.60	147.30	93.20		
20	257.00	419.20	182.76	273.00	342.63	277.00	162.80	63.00	162.80	106.40	115.60	96.80		
21	234.36	361.75	234.36	253.28	285.00	263.00	122.60	93.20	151.95	71.05	96.80	75.65		
22	222.32	409.60	203.40	269.00	299.00	218.88	125.40	94.40	118.40	57.60	96.80	73.35		
23	251.56	462.40	277.00	285.00	283.00	279.00	121.20	112.80	131.00	115.60	95.60	68.75		
24	162.80	472.00	249.84	273.00	299.00	277.00	271.00	108.80	98.00	102.80	96.80	72.20		
25	179.32	391.50	271.00	242.96	285.00	287.00	92.00	151.95	125.40	131.00	96.80	90.80		
26	217.16	351.13	265.00	265.00	261.00	336.25	66.45	175.88	135.20	205.12	96.80	75.65		
27	229.20	325.63	291.00	273.00	259.00	404.80	72.20	196.52	139.55	167.45	96.80	96.80		
28	208.56	325.63	400.00	257.00	265.00	426.40	68.75	212.00	135.20	153.50	100.40	88.40		
29	279.00	321.38	329.88	269.00	293.00	372.38	76.80	179.32	136.60	182.76		96.80		
30	275.00	227.48	295.00	230.92	338.38	366.00	99.20	184.48	129.60	144.20		74.50		
31		277.00		265.00	332.00		89.60		96.80	159.70		68.75		
Total	6954.18	11187.87	7048.20	8505.89	9358.21	9311.14	11418.24	2986.85	4717.45	3997.18	3421.70	3164.40	82071.31	CMSDAY
Mean	231.81	360.90	234.94	274.38	301.88	310.37	368.33	99.56	152.18	128.94	122.20	102.08	224.85	CMS
Max	307.00	472.00	400.00	319.25	414.40	426.40	1191.80	212.00	206.84	205.12	186.20	139.55	1191.80	CMS
Min	162.80	227.48	150.40	230.92	167.45	218.88	66.45	44.20	96.80	57.60	83.70	68.75	44.20	CMS
Runoff	600.84	966.63	608.96	734.91	808.55	804.48	986.54	258.06	407.59	345.36	295.63	273.40	7090.96	MCM
Momentary Peak	CMS. at 15.75 m. (MSL.) at 05.00 Hours , on Oct 12, 2022													
Runoff Yield	8.73	Liters/Second/Square KM.				Momentary Peak Yield				48.36	Liters/Second/Square KM.			

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Lam Ta Phoen at Ban Thung Na Nang Rok , Kanchanaburi (K.12)**

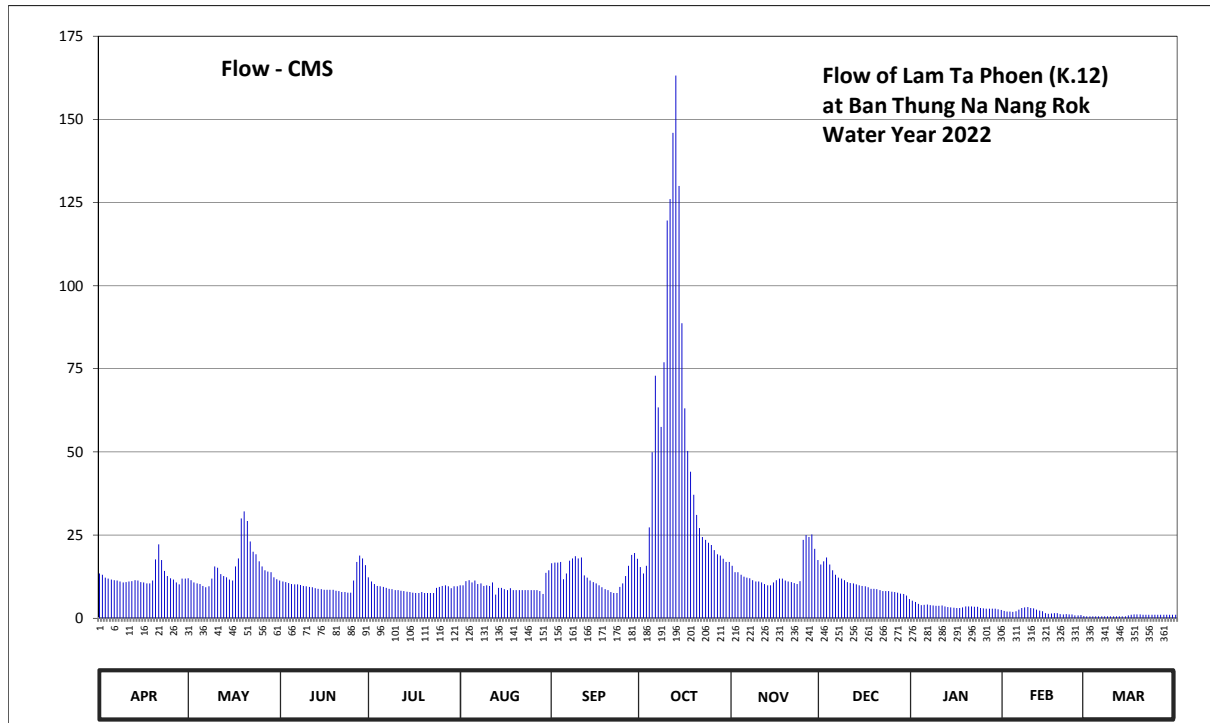
Lat 14 - 10 - 32 N Long 99 - 26 - 03 E

Location : on left bank about 50 meters downstream from Wat Thung Na Nang Rok.

	Ban	Thung Na Nang Rok	Amphoe	Mueang	Changwat	Kanchanaburi
Drainage Area	2,293	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+39.700	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 6 meters from the top staff gage.				Elevation	+49.135 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1965 to date					
Rating Operation						
Period of Rating	1965 - 1968 , 1995 to date					
Rated by Float	-					
Rated by Current Meter	1965 - 1968 , 1995 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 36 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

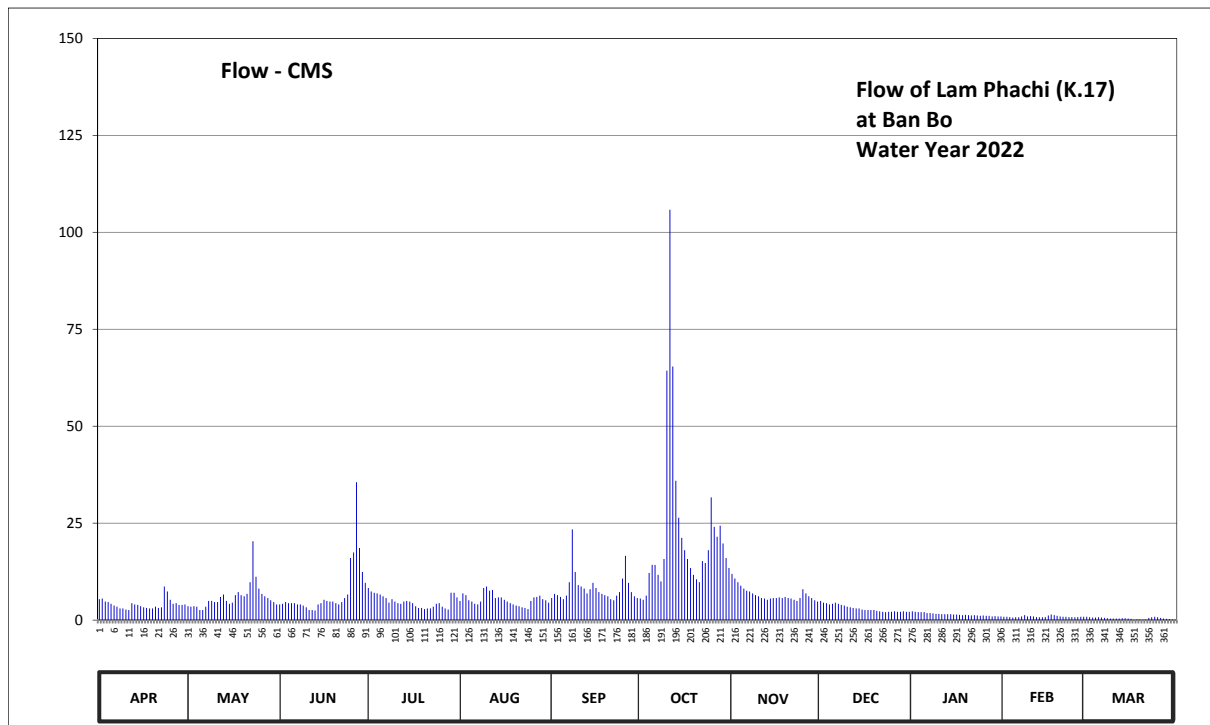
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	41.16	41.08	41.03	41.10	40.93	41.32	41.26	41.28	41.30	40.59	40.25	39.93	
2	41.14	41.04	41.01	41.01	40.93	41.33	41.16	41.18	41.35	40.56	40.22	39.93	
3	41.09	40.99	41.00	40.96	41.02	41.33	41.28	41.18	41.41	40.51	40.22	39.93	
4	41.07	40.97	40.98	40.92	41.04	41.34	41.81	41.14	41.30	40.46	40.21	39.93	
5	41.05	40.96	40.96	40.91	40.99	41.06	42.59	41.11	41.21	40.47	40.23	39.93	
6	41.04	40.92	40.95	40.90	41.03	41.16	43.25	41.09	41.14	40.49	40.29	39.93	
7	41.03	40.89	40.95	40.88	40.96	41.36	42.99	41.08	41.09	40.46	40.35	39.93	
8	41.01	40.91	40.94	40.86	40.97	41.40	42.82	41.04	41.07	40.45	40.38	39.93	
9	40.99	41.07	40.92	40.85	40.92	41.43	43.36	41.01	41.04	40.44	40.39	39.93	
10	41.00	41.27	40.91	40.83	40.93	41.40	44.39	41.01	41.00	40.44	40.36	39.93	
11	41.01	41.25	40.90	40.83	40.92	41.41	44.53	40.99	40.98	40.45	40.34	39.93	
12	41.02	41.15	40.89	40.82	40.99	41.13	44.91	40.96	40.97	40.42	40.29	39.93	
13	41.04	41.12	40.87	40.81	40.74	41.09	45.22	40.93	40.95	40.39	40.26	39.93	
14	41.03	41.10	40.86	40.80	40.88	41.03	44.61	40.93	40.93	40.38	40.23	39.93	
15	41.00	41.05	40.85	40.79	40.88	41.00	43.67	40.99	40.92	40.37	40.14	40.00	
16	40.99	41.03	40.84	40.78	40.85	40.97	42.98	41.04	40.91	40.36	40.09	40.04	
17	40.97	41.27	40.84	40.77	40.83	40.93	42.60	41.07	40.89	40.36	40.12	40.05	
18	40.97	41.40	40.84	40.77	40.87	40.89	42.40	41.07	40.86	40.38	40.13	40.05	
19	41.03	41.91	40.84	40.79	40.83	40.85	42.17	41.03	40.86	40.42	40.13	40.05	
20	41.38	41.99	40.82	40.77	40.83	40.83	41.95	41.01	40.85	40.42	40.07	40.04	
21	41.60	41.88	40.81	40.77	40.83	40.79	41.80	41.00	40.83	40.41	40.06	40.03	
22	41.37	41.64	40.79	40.77	40.83	40.77	41.70	40.98	40.81	40.40	40.07	40.03	
23	41.20	41.50	40.79	40.77	40.83	40.77	41.66	40.96	40.81	40.40	40.06	40.03	
24	41.12	41.46	40.78	40.88	40.83	40.90	41.62	41.02	40.81	40.36	40.06	40.03	
25	41.08	41.35	40.78	40.90	40.83	40.97	41.59	41.66	40.80	40.34	40.00	40.03	
26	41.05	41.27	41.03	40.92	40.83	41.12	41.52	41.72	40.79	40.33	39.99	40.03	
27	40.99	41.21	41.34	40.93	40.83	41.28	41.46	41.70	40.78	40.33	40.02	40.03	
28	40.95	41.19	41.44	40.91	40.81	41.45	41.44	41.73	40.76	40.33	39.96	40.03	
29	41.07	41.18	41.40	40.87	40.75	41.48	41.39	41.54	40.75	40.33		40.03	
30	41.07	41.10	41.29	40.91	41.17	41.39	41.34	41.37	40.72	40.31		40.03	
31		41.06		40.91	41.21		41.34		40.63	40.28		40.03	
Mean	41.08	41.23	40.96	40.86	40.91	41.14	42.48	41.16	40.95	40.41	40.18	39.99	
Max	41.60	41.99	41.44	41.10	41.21	41.48	45.22	41.73	41.41	40.59	40.39	40.05	45.22
Min	40.95	40.89	40.78	40.77	40.74	40.77	41.16	40.93	40.63	40.28	39.96	39.93	39.93
Annual Max Momentary Gage Height	45.29		m. (MSL.) ,				at 10.00 Hours , on Oct 13, 2022						
Zero Gage at Bottom Elevation		39.70	m. (MSL.) ,			River Bed	39.59	m. (MSL.)					
Left Bank Elevation		48.66	m. (MSL.) ,										
Right Bank Elevation		46.97	m. (MSL.) ,			Drainage Are	2,293	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	13.44	12.01	11.29	12.30	9.84	16.48	15.34	15.72	16.10	5.24	2.20	0.54		
2	13.06	11.43	11.00	11.00	9.84	16.67	13.44	13.82	17.05	4.89	1.96	0.54		
3	12.16	10.71	10.85	10.27	11.14	16.67	15.72	13.82	18.20	4.32	1.96	0.54		
4	11.87	10.42	10.56	9.69	11.43	16.86	27.32	13.06	16.10	3.88	1.88	0.54		
5	11.58	10.27	10.27	9.55	10.71	11.72	49.93	12.49	14.39	3.96	2.04	0.54		
6	11.43	9.69	10.13	9.40	11.29	13.44	72.88	12.16	13.06	4.12	2.52	0.54		
7	11.29	9.26	10.13	9.11	10.27	17.24	63.39	12.01	12.16	3.88	3.00	0.54		
8	11.00	9.55	9.98	8.82	10.42	18.00	57.46	11.43	11.87	3.80	3.24	0.54		
9	10.71	11.87	9.69	8.68	9.69	18.60	76.89	11.00	11.43	3.72	3.32	0.54		
10	10.85	15.53	9.55	8.39	9.84	18.00	119.55	11.00	10.85	3.72	3.08	0.54		
11	11.00	15.15	9.40	8.39	9.69	18.20	125.99	10.71	10.56	3.80	2.92	0.54		
12	11.14	13.25	9.26	8.24	10.71	12.87	145.86	10.27	10.42	3.56	2.52	0.54		
13	11.43	12.68	8.97	8.10	7.08	12.16	163.06	9.84	10.13	3.32	2.28	0.54		
14	11.29	12.30	8.82	7.95	9.11	11.29	129.95	9.84	9.84	3.24	2.04	0.54		
15	10.85	11.58	8.68	7.81	9.11	10.85	88.63	10.71	9.69	3.16	1.52	0.87		
16	10.71	11.29	8.53	7.66	8.68	10.42	63.02	11.43	9.55	3.08	1.29	1.05		
17	10.42	15.53	8.53	7.52	8.39	9.84	50.25	11.87	9.26	3.08	1.43	1.10		
18	10.42	18.00	8.53	7.52	8.97	9.26	44.00	11.87	8.82	3.24	1.47	1.10		
19	11.29	29.97	8.53	7.81	8.39	8.68	37.10	11.29	8.82	3.56	1.47	1.10		
20	17.62	32.09	8.24	7.52	8.39	8.39	31.03	11.00	8.68	3.56	1.19	1.05		
21	22.20	29.17	8.10	7.52	8.39	7.81	27.05	10.85	8.39	3.48	1.15	1.01		
22	17.43	23.08	7.81	7.52	8.39	7.52	24.40	10.56	8.10	3.40	1.19	1.01		
23	14.20	20.00	7.81	7.52	8.39	7.52	23.52	10.27	8.10	3.40	1.15	1.01		
24	12.68	19.20	7.66	9.11	8.39	9.40	22.64	11.14	8.10	3.08	1.15	1.01		
25	12.01	17.05	7.66	9.40	8.39	10.42	21.98	23.52	7.95	2.92	0.87	1.01		
26	11.58	15.53	11.29	9.69	8.39	12.68	20.44	24.93	7.81	2.84	0.82	1.01		
27	10.71	14.39	16.86	9.84	8.39	15.72	19.20	24.40	7.66	2.84	0.96	1.01		
28	10.13	14.01	18.80	9.55	8.10	19.00	18.80	25.20	7.37	2.84	0.68	1.01		
29	11.87	13.82	18.00	8.97	7.23	19.60	17.81	20.88	7.23	2.84		1.01		
30	11.87	12.30	15.91	9.55	13.63	17.81	16.86	17.43	6.79	2.68		1.01		
31		11.72		9.55	14.39		16.86		5.70	2.44		1.01		
Total	368.24	472.85	310.84	273.95	295.07	403.12	1620.37	414.52	320.18	107.89	51.30	24.94	4663.27	CMSDAY
Mean	12.27	15.25	10.36	8.84	9.52	13.44	52.27	13.82	10.33	3.48	1.83	0.80	12.78	CMS
Max	22.20	32.09	18.80	12.30	14.39	19.60	163.06	25.20	18.20	5.24	3.32	1.10	163.06	CMS
Min	10.13	9.26	7.66	7.52	7.08	7.52	13.44	9.84	5.70	2.44	0.68	0.54	0.54	CMS
Runoff	31.82	40.85	26.86	23.67	25.49	34.83	140.00	35.81	27.66	9.32	4.43	2.15	402.91	MCM
Momentary Peak	166.95 CMS. at 45.29 m. (MSL.) at 10.00 Hours , on Oct 13, 2022													
Runoff Yield	5.57	Liters/Second/Square KM.			Momentary Peak Yield			72.81	Liters/Second/Square KM.					

WATER YEAR : 2022													
MAE KLONG RIVER BASIN													
Lam Phachi at Ban Bo , Ratchaburi (K.17)													
Lat 13 - 32 - 47 N Long 99 - 21 - 12 E													
Location : on left bank oppositeto the 'Sai Ngam' fronter police station.													
	Ban Bo			Amphoe Suan Phung			Changwat Ratchaburi						
Drainge Area	1,343 sq.km.												
Type of Gage	Water - stage recorder												
Zero Gage at Bottom	+97.500 m. (MSL.)												
Bench Mark	B.M.-H.D.												
Location BM	Along the measuring line.									Elevation +108.062 m. (MSL.)			
Gage Reading Frequency	Recording												
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings												
Period of Available Gage Records	1966 to date												
Rating Operation													
Period of Rating	1966 - 1988 , 1993 to date												
Rated by Float	-												
Rated by Current Meter	1966 - 1988 , 1993 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 2022.												
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
3	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	97.68	97.56	97.59	97.86	97.65	97.70	97.69	98.04	97.65	97.46	97.31	97.31	
2	97.69	97.55	97.60	97.81	97.78	97.77	97.67	97.99	97.62	97.45	97.31	97.29	
3	97.64	97.56	97.63	97.79	97.75	97.75	97.74	97.94	97.61	97.44	97.30	97.28	
4	97.63	97.55	97.61	97.78	97.66	97.72	98.05	97.89	97.59	97.44	97.28	97.28	
5	97.60	97.49	97.61	97.76	97.64	97.68	98.13	97.85	97.60	97.44	97.29	97.29	
6	97.57	97.49	97.61	97.73	97.60	97.74	98.13	97.82	97.62	97.42	97.29	97.28	
7	97.55	97.55	97.59	97.70	97.59	97.94	98.03	97.81	97.60	97.42	97.32	97.27	
8	97.52	97.65	97.59	97.62	97.64	98.45	97.95	97.78	97.58	97.41	97.36	97.26	
9	97.52	97.65	97.57	97.68	97.86	98.06	98.19	97.75	97.57	97.40	97.32	97.25	
10	97.50	97.63	97.54	97.64	97.88	97.90	99.43	97.73	97.55	97.40	97.33	97.25	
11	97.49	97.63	97.49	97.61	97.82	97.88	100.13	97.70	97.54	97.39	97.32	97.25	
12	97.61	97.72	97.49	97.60	97.83	97.85	99.45	97.69	97.53	97.39	97.30	97.25	
13	97.59	97.76	97.48	97.64	97.70	97.78	98.80	97.67	97.52	97.39	97.29	97.26	
14	97.58	97.65	97.59	97.65	97.71	97.84	98.54	97.69	97.52	97.39	97.29	97.26	
15	97.56	97.60	97.61	97.64	97.71	97.93	98.38	97.70	97.50	97.38	97.30	97.25	
16	97.54	97.62	97.67	97.61	97.67	97.86	98.27	97.70	97.49	97.38	97.35	97.24	
17	97.53	97.75	97.65	97.56	97.64	97.80	98.19	97.71	97.49	97.37	97.38	97.21	
18	97.52	97.80	97.64	97.53	97.61	97.77	98.10	97.70	97.49	97.36	97.36	97.22	
19	97.52	97.75	97.64	97.53	97.59	97.75	98.03	97.72	97.49	97.37	97.34	97.22	
20	97.55	97.73	97.61	97.51	97.57	97.73	97.98	97.70	97.47	97.36	97.32	97.21	
21	97.53	97.77	97.59	97.52	97.56	97.68	97.94	97.69	97.46	97.35	97.31	97.22	
22	97.54	97.94	97.63	97.52	97.54	97.66	98.17	97.67	97.45	97.36	97.31	97.27	
23	97.88	98.35	97.70	97.55	97.53	97.74	98.15	97.65	97.44	97.35	97.30	97.29	
24	97.81	98.01	97.76	97.60	97.51	97.80	98.27	97.70	97.45	97.34	97.30	97.31	
25	97.67	97.85	98.20	97.61	97.65	97.99	98.69	97.84	97.45	97.35	97.29	97.29	
26	97.60	97.77	98.25	97.55	97.71	98.22	98.47	97.78	97.46	97.34	97.30	97.27	
27	97.61	97.73	98.79	97.52	97.72	97.93	98.39	97.73	97.45	97.34	97.31	97.25	
28	97.58	97.70	98.29	97.50	97.74	97.80	98.48	97.70	97.45	97.32	97.31	97.24	
29	97.58	97.66	98.06	97.79	97.68	97.73	98.33	97.66	97.46	97.33		97.23	
30	97.59	97.63	97.93	97.79	97.66	97.70	98.20	97.64	97.45	97.32		97.22	
31		97.59		97.71	97.62		98.10		97.45	97.32		97.21	
Mean	97.59	97.70	97.73	97.64	97.67	97.84	98.32	97.75	97.52	97.38	97.31	97.26	
Max	97.88	98.35	98.79	97.86	97.88	98.45	100.13	98.04	97.65	97.46	97.38	97.31	100.13
Min	97.49	97.49	97.48	97.50	97.51	97.66	97.67	97.64	97.44	97.32	97.28	97.21	97.21
Annual Max Momentary Gage Height	100.60	m. (MSL.) ,			at 19.00 Hours , on Oct 10, 2022								
Zero Gage at Bottom Elevation	97.50	m. (MSL.) ,			River Bed	97.02	m. (MSL.)						
Left Bank Elevation	108.25	m. (MSL.) ,											
Right Bank Elevation	103.46	m. (MSL.) ,			Drainage Are	1,343	Square Kilometers						



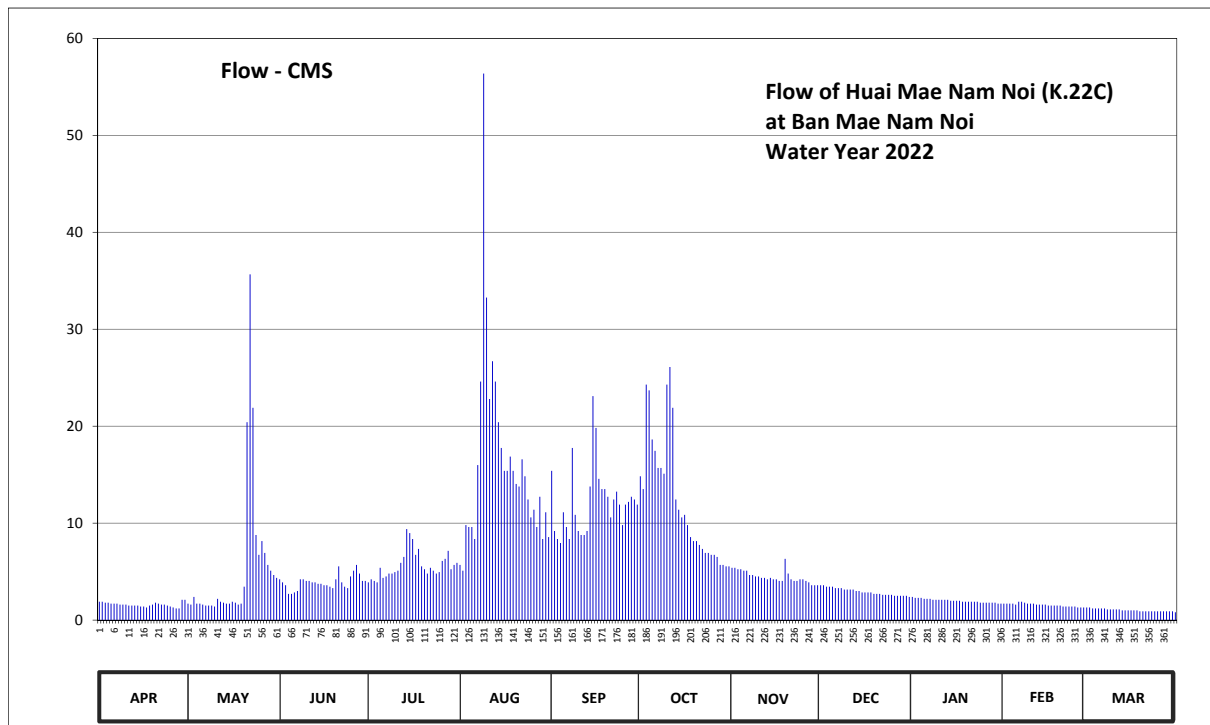
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	5.40	3.60	4.05	8.31	4.95	5.70	5.55	11.92	4.95	2.26	0.88	0.88		
2	5.55	3.45	4.20	7.39	6.90	6.75	5.25	10.72	4.50	2.15	0.88	0.72		
3	4.80	3.60	4.65	7.05	6.45	6.45	6.30	9.79	4.35	2.04	0.80	0.64		
4	4.65	3.45	4.35	6.90	5.10	6.00	12.18	8.87	4.05	2.04	0.64	0.64		
5	4.20	2.59	4.35	6.60	4.80	5.40	14.22	8.13	4.20	2.04	0.72	0.72		
6	3.75	2.59	4.35	6.15	4.20	6.30	14.22	7.57	4.50	1.82	0.72	0.64		
7	3.45	3.45	4.05	5.70	4.05	9.79	11.67	7.39	4.20	1.82	0.96	0.56		
8	3.00	4.95	4.05	4.50	4.80	23.40	9.98	6.90	3.90	1.71	1.28	0.48		
9	3.00	4.95	3.75	5.40	8.31	12.43	15.75	6.45	3.75	1.60	0.96	0.40		
10	2.70	4.65	3.30	4.80	8.68	9.05	64.33	6.15	3.45	1.60	1.04	0.40		
11	2.59	4.65	2.59	4.35	7.57	8.68	105.83	5.70	3.30	1.52	0.96	0.40		
12	4.35	6.00	2.59	4.20	7.76	8.13	65.38	5.55	3.15	1.52	0.80	0.40		
13	4.05	6.60	2.48	4.80	5.70	6.90	35.95	5.25	3.00	1.52	0.72	0.48		
14	3.90	4.95	4.05	4.95	5.85	7.94	26.40	5.55	3.00	1.52	0.72	0.48		
15	3.60	4.20	4.35	4.80	5.85	9.61	21.22	5.70	2.70	1.44	0.80	0.40		
16	3.30	4.50	5.25	4.35	5.25	8.31	18.03	5.70	2.59	1.44	1.20	0.32		
17	3.15	6.45	4.95	3.60	4.80	7.20	15.75	5.85	2.59	1.36	1.44	0.08		
18	3.00	7.20	4.80	3.15	4.35	6.75	13.45	5.70	2.59	1.28	1.28	0.16		
19	3.00	6.45	4.80	3.15	4.05	6.45	11.67	6.00	2.59	1.36	1.12	0.16		
20	3.45	6.15	4.35	2.85	3.75	6.15	10.53	5.70	2.37	1.28	0.96	0.08		
21	3.15	6.75	4.05	3.00	3.60	5.40	9.79	5.55	2.26	1.20	0.88	0.16		
22	3.30	9.79	4.65	3.00	3.30	5.10	15.24	5.25	2.15	1.28	0.88	0.56		
23	8.68	20.35	5.70	3.45	3.15	6.30	14.73	4.95	2.04	1.20	0.80	0.72		
24	7.39	11.16	6.60	4.20	2.85	7.20	18.03	5.70	2.15	1.12	0.80	0.88		
25	5.25	8.13	16.00	4.35	4.95	10.72	31.65	7.94	2.15	1.20	0.72	0.72		
26	4.20	6.75	17.45	3.45	5.85	16.58	24.04	6.90	2.26	1.12	0.80	0.56		
27	4.35	6.15	35.56	3.00	6.00	9.61	21.51	6.15	2.15	1.12	0.88	0.40		
28	3.90	5.70	18.61	2.70	6.30	7.20	24.36	5.70	2.15	0.96	0.88	0.32		
29	3.90	5.10	12.43	7.05	5.40	6.15	19.77	5.10	2.26	1.04		0.24		
30	4.05	4.65	9.61	7.05	5.10	5.70	16.00	4.80	2.15	0.96		0.16		
31		4.05		5.85	4.50		13.45		2.15	0.96		0.08		
Total	123.06	183.01	211.97	150.10	164.17	247.35	692.23	198.63	93.60	45.48	25.52	13.84	2148.96	CMSDAY
Mean	4.10	5.90	7.07	4.84	5.30	8.24	22.33	6.62	3.02	1.47	0.91	0.45	5.89	CMS
Max	8.68	20.35	35.56	8.31	8.68	23.40	105.83	11.92	4.95	2.26	1.44	0.88	105.83	CMS
Min	2.59	2.59	2.48	2.70	2.85	5.10	5.25	4.80	2.04	0.96	0.64	0.08	0.08	CMS
Runoff	10.63	15.81	18.31	12.97	14.18	21.37	59.81	17.16	8.09	3.93	2.20	1.20	185.67	MCM
Momentary Peak	CMS. at 100.60 m. (MSL.) at 19.00 Hours , on Oct 10, 2022													
Runoff Yield	4.38	Liters/Second/Square KM.				Momentary Peak Yield		104.82	Liters/Second/Square KM.					

Lat 14 - 26 - 48 N Long 98 - 48 - 05 E

	Ban	Mae Nam Noi	Amphoe	Sai Yok	Changwat	Kanchanaburi
Drainage Area	310	sq.km.				
Type of Gage	Staff gage.					
Zero Gage at Bottom	+66.200	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 10 meters from the top staff gage.				Elevation	+78.516 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	1989 to date					
Rating Operation						
Period of Rating	1989 to date					
Rated by Float	-					
Rated by Current Meter	1989 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 21 discharge measurements made in 2022.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	67.32	67.30	67.50	67.48	67.60	68.01	67.99	67.58	67.46	67.37	67.30	67.26	
2	67.32	67.29	67.48	67.50	67.56	67.77	67.94	67.58	67.46	67.36	67.30	67.26	
3	67.31	67.37	67.46	67.49	67.80	67.73	68.31	67.57	67.45	67.36	67.30	67.25	
4	67.31	67.30	67.40	67.48	67.79	67.71	68.29	67.57	67.45	67.36	67.30	67.25	
5	67.30	67.30	67.40	67.58	67.79	67.85	68.12	67.56	67.45	67.35	67.29	67.25	
6	67.30	67.29	67.41	67.51	67.73	67.79	68.08	67.56	67.44	67.35	67.32	67.25	
7	67.30	67.28	67.42	67.52	68.03	67.73	68.02	67.53	67.44	67.35	67.32	67.25	
8	67.29	67.28	67.50	67.54	68.32	68.09	68.02	67.53	67.44	67.34	67.31	67.24	
9	67.29	67.28	67.50	67.54	69.19	67.84	68.00	67.52	67.43	67.34	67.30	67.24	
10	67.29	67.27	67.49	67.55	68.59	67.77	68.31	67.52	67.43	67.34	67.30	67.24	
11	67.28	67.35	67.49	67.56	68.26	67.75	68.37	67.51	67.43	67.34	67.30	67.24	
12	67.28	67.32	67.48	67.61	68.39	67.75	68.23	67.51	67.43	67.34	67.29	67.24	
13	67.28	67.31	67.48	67.64	68.32	67.77	67.90	67.50	67.42	67.34	67.29	67.23	
14	67.28	67.30	67.47	67.78	68.18	67.95	67.86	67.51	67.42	67.33	67.29	67.23	
15	67.27	67.30	67.47	67.76	68.09	68.27	67.83	67.50	67.41	67.33	67.29	67.23	
16	67.27	67.32	67.46	67.73	68.01	68.16	67.84	67.50	67.41	67.33	67.28	67.23	
17	67.26	67.31	67.46	67.65	68.01	67.98	67.80	67.49	67.41	67.33	67.28	67.23	
18	67.28	67.29	67.45	67.68	68.06	67.94	67.74	67.49	67.41	67.32	67.28	67.23	
19	67.29	67.30	67.44	67.59	68.01	67.94	67.72	67.63	67.40	67.32	67.28	67.22	
20	67.31	67.45	67.50	67.57	67.96	67.91	67.72	67.54	67.40	67.32	67.28	67.22	
21	67.30	68.18	67.59	67.54	67.95	67.83	67.70	67.50	67.40	67.32	67.27	67.22	
22	67.29	68.66	67.48	67.58	68.05	67.90	67.68	67.49	67.39	67.32	67.27	67.22	
23	67.29	68.23	67.45	67.56	67.99	67.93	67.66	67.49	67.39	67.32	67.27	67.22	
24	67.28	67.75	67.44	67.54	67.90	67.88	67.66	67.50	67.39	67.31	67.27	67.22	
25	67.27	67.65	67.52	67.55	67.83	67.80	67.65	67.50	67.39	67.31	67.27	67.22	
26	67.26	67.72	67.56	67.62	67.86	67.88	67.65	67.49	67.38	67.31	67.26	67.22	
27	67.25	67.66	67.60	67.63	67.79	67.89	67.64	67.48	67.38	67.31	67.26	67.22	
28	67.25	67.60	67.54	67.67	67.91	67.91	67.60	67.46	67.38	67.31	67.26	67.22	
29	67.34	67.56	67.49	67.57	67.73	67.90	67.60	67.46	67.38	67.31		67.22	
30	67.34	67.53	67.49	67.60	67.85	67.88	67.59	67.46	67.38	67.30</			

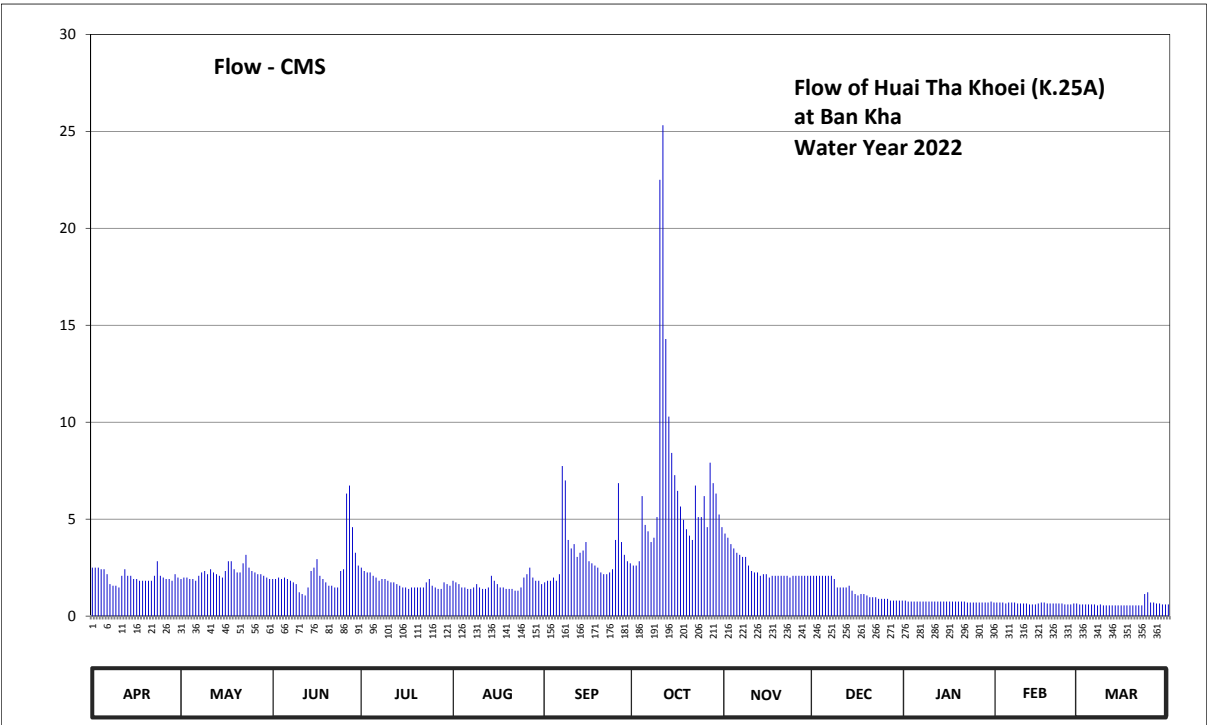


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.90	1.70	4.20	3.90	5.70	15.40	14.84	5.40	3.60	2.40	1.70	1.30		
2	1.90	1.60	3.90	4.20	5.10	9.19	13.51	5.40	3.60	2.30	1.70	1.30		
3	1.80	2.40	3.60	4.05	9.80	8.37	24.30	5.25	3.45	2.30	1.70	1.20		
4	1.80	1.70	2.70	3.90	9.60	7.96	23.70	5.25	3.45	2.30	1.70	1.20		
5	1.70	1.70	2.70	5.40	9.60	11.13	18.64	5.10	3.45	2.20	1.60	1.20		
6	1.70	1.60	2.85	4.35	8.37	9.60	17.46	5.10	3.30	2.20	1.90	1.20		
7	1.70	1.50	3.00	4.50	15.99	8.37	15.69	4.65	3.30	2.20	1.90	1.20		
8	1.60	1.50	4.20	4.80	24.60	17.76	15.69	4.65	3.30	2.10	1.80	1.10		
9	1.60	1.50	4.20	4.80	56.38	10.86	15.10	4.50	3.15	2.10	1.70	1.10		
10	1.60	1.40	4.05	4.95	33.27	9.19	24.30	4.50	3.15	2.10	1.70	1.10		
11	1.50	2.20	4.05	5.10	22.80	8.78	26.10	4.35	3.15	2.10	1.70	1.10		
12	1.50	1.90	3.90	5.91	26.70	8.78	21.90	4.35	3.15	2.10	1.60	1.10		
13	1.50	1.80	3.90	6.52	24.60	9.19	12.45	4.20	3.00	2.10	1.60	1.00		
14	1.50	1.70	3.75	9.39	20.41	13.78	11.39	4.35	3.00	2.00	1.60	1.00		
15	1.40	1.70	3.75	8.98	17.76	23.10	10.60	4.20	2.85	2.00	1.60	1.00		
16	1.40	1.90	3.60	8.37	15.40	19.82	10.86	4.20	2.85	2.00	1.50	1.00		
17	1.30	1.80	3.60	6.73	15.40	14.57	9.80	4.05	2.85	2.00	1.50	1.00		
18	1.50	1.60	3.45	7.34	16.87	13.51	8.57	4.05	2.85	1.90	1.50	1.00		
19	1.60	1.70	3.30	5.55	15.40	13.51	8.16	6.32	2.70	1.90	1.50	0.90		
20	1.80	3.45	4.20	5.25	14.04	12.72	8.16	4.80	2.70	1.90	1.50	0.90		
21	1.70	20.41	5.55	4.80	13.78	10.60	7.75	4.20	2.70	1.90	1.40	0.90		
22	1.60	35.67	3.90	5.40	16.58	12.45	7.34	4.05	2.60	1.90	1.40	0.90		
23	1.60	21.90	3.45	5.10	14.84	13.25	6.93	4.05	2.60	1.90	1.40	0.90		
24	1.50	8.78	3.30	4.80	12.45	11.92	6.93	4.20	2.60	1.80	1.40	0.90		
25	1.40	6.73	4.50	4.95	10.60	9.80	6.73	4.20	2.60	1.80	1.40	0.90		
26	1.30	8.16	5.10	6.11	11.39	11.92	6.73	4.05	2.50	1.80	1.30	0.90		
27	1.20	6.93	5.70	6.32	9.60	12.19	6.52	3.90	2.50	1.80	1.30	0.90		
28	1.20	5.70	4.80	7.14	12.72	12.72	5.70	3.60	2.50	1.80	1.30	0.90		
29	2.10	5.10	4.05	5.25	8.37	12.45	5.70	3.60	2.50	1.80		0.90		
30	2.10	4.65	4.05	5.70	11.13	11.92	5.55	3.60	2.50	1.70		0.90		
31		4.35		5.91	8.57		5.55		2.40	1.70		0.80		
Total	48.00	164.73	117.30	175.47	497.82	364.81	382.65	134.12	90.85	62.10	43.90	31.70	2113.45	CMSDAY
Mean	1.60	5.31	3.91	5.66	16.06	12.16	12.34	4.47	2.93	2.00	1.57	1.02	5.79	CMS
Max	2.10	35.67	5.70	9.39	56.38	23.10	26.10	6.32	3.60	2.40	1.90	1.30	56.38	CMS
Min	1.20	1.40	2.70	3.90	5.10	7.96	5.55	3.60	2.40	1.70	1.30	0.80	0.80	CMS
Runoff	4.15	14.23	10.13	15.16	43.01	31.52	33.06	11.59	7.85	5.37	3.79	2.74	182.60	MCM
Momentary Peak Runoff Yield	CMS. at 69.23 m. (MSL.) at 10.00 Hours , on Aug 9, 2022													
	18.68	Liters/Second/Square KM.				Momentary Peak Yield 187.35				Liters/Second/Square KM.				

WATER YEAR : 2022												
MAE KLONG RIVER BASIN												
Huai Tha Khoei at Ban Kha , Ratchaburi (K.25A)												
Lat 13 - 24 - 11 N Long 99 - 25 - 01 E												
Location : on right bank about 8 kilometers upstream from station K.25												
	Ban Kha			Amphoe Ban Kha			Changwat Ratchaburi					
Drainge Area	375			sq.km.								
Type of Gage	Water - stage recorder											
Zero Gage at Bottom	+152.000 m. (MSL.)											
Bench Mark	B.M.-H.D.											
Location BM	On right bank about 1 meter from the top staff gage.									Elevation +159.346 m. (MSL.)		
Gage Reading Frequency	Recording											
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings											
Period of Available Gage Records	1994 to date											
Rating Operation												
Period of Rating	1994 to date											
Rated by Float	-											
Rated by Current Meter	1994 to date											
Stability of Channel Regimes	Fairly stable.											
Overbank Flow Conditions	No overbank flow.											
General Description	Records good. Stage-discharge relation defined by 23 discharge measurements made in 2022.											

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	152.40	152.33	152.33	152.40	152.32	152.31	152.41	152.56	152.35	152.20	152.18	152.16	
2	152.40	152.34	152.33	152.38	152.31	152.32	152.41	152.54	152.35	152.19	152.18	152.16	
3	152.40	152.34	152.34	152.37	152.30	152.32	152.43	152.51	152.35	152.19	152.18	152.16	
4	152.39	152.33	152.33	152.37	152.28	152.34	152.71	152.49	152.35	152.19	152.17	152.16	
5	152.39	152.33	152.34	152.35	152.28	152.32	152.60	152.47	152.35	152.19	152.18	152.16	
6	152.36	152.32	152.33	152.34	152.27	152.36	152.57	152.46	152.35	152.19	152.18	152.16	
7	152.30	152.35	152.32	152.32	152.27	152.82	152.52	152.45	152.35	152.19	152.18	152.15	
8	152.29	152.37	152.31	152.33	152.28	152.77	152.54	152.45	152.33	152.19	152.17	152.16	
9	152.29	152.38	152.30	152.33	152.30	152.53	152.63	152.41	152.28	152.19	152.17	152.15	
10	152.28	152.36	152.25	152.32	152.28	152.49	153.49	152.38	152.28	152.19	152.17	152.15	
11	152.35	152.39	152.24	152.31	152.27	152.51	153.57	152.37	152.28	152.19	152.17	152.15	
12	152.39	152.37	152.23	152.31	152.27	152.45	153.17	152.37	152.28	152.19	152.16	152.15	
13	152.35	152.36	152.28	152.30	152.28	152.47	152.97	152.35	152.29	152.19	152.16	152.15	
14	152.35	152.35	152.38	152.29	152.35	152.48	152.86	152.36	152.26	152.19	152.16	152.15	
15	152.33	152.34	152.40	152.28	152.32	152.52	152.79	152.36	152.24	152.19	152.17	152.15	
16	152.33	152.38	152.44	152.28	152.30	152.43	152.73	152.34	152.23	152.19	152.18	152.15	
17	152.32	152.43	152.35	152.27	152.28	152.42	152.67	152.35	152.24	152.19	152.18	152.15	
18	152.32	152.43	152.33	152.28	152.28	152.41	152.62	152.35	152.24	152.19	152.17	152.15	
19	152.32	152.39	152.31	152.28	152.27	152.40	152.58	152.35	152.23	152.19	152.17	152.15	
20	152.32	152.37	152.29	152.28	152.27	152.37	152.55	152.35	152.22	152.19	152.17	152.15	
21	152.32	152.37	152.29	152.28	152.27	152.36	152.53	152.35	152.22	152.19	152.17	152.15	
22	152.35	152.42	152.28	152.28	152.26	152.36	152.75	152.35	152.22	152.18	152.17	152.15	
23	152.43	152.46	152.28	152.31	152.26	152.37	152.63	152.34	152.21	152.18	152.17	152.24	
24	152.35	152.40	152.38	152.33	152.28	152.39	152.63	152.35	152.21	152.18	152.16	152.25	
25	152.34	152.38	152.39	152.29	152.34	152.53	152.71	152.35	152.21	152.18	152.16	152.18	
26	152.33	152.37	152.72	152.28	152.36	152.76	152.59	152.35	152.21	152.18	152.16	152.18	
27	152.33	152.36	152.75	152.27	152.40	152.52	152.83	152.35	152.20	152.18	152.17	152.17	
28	152.32	152.36	152.59	152.27	152.34	152.46	152.76	152.35	152.20	152.18	152.17	152.17	
29	152.36	152.35	152.47	152.31	152.32	152.43	152.72	152.35	152.20	152.18		152.16	
30	152.34	152.34	152.41	152.30	152.32	152.42	152.64	152.35	152.20	152.19		152.16	
31		152.33		152.29	152.30		152.59		152.20	152.18		152.16	
Mean	152.34	152.37	152.37	152.31	152.30	152.45	152.72	152.39	152.26	152.19	152.17	152.16	
Max	152.43	152.46	152.75	152.40	152.40	152.82	153.57	152.56	152.35	152.20	152.18	152.25	153.57
Min	152.28	152.32	152.23	152.27	152.26	152.31	152.41	152.34	152.20	152.18	152.16	152.15	152.15
Annual Max Momentary Gage Height	154.25		m. (MSL.) ,		at 12.00 Hours , on Oct 10, 2022								
Zero Gage at Bottom Elevation	152.00		m. (MSL.) ,		River Bed		151.63	m. (MSL.)					
Left Bank Elevation	159.08		m. (MSL.) ,										
Right Bank Elevation	159.09		m. (MSL.) ,		Drainage Are		375	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.50	1.91	1.91	2.50	1.82	1.74	2.61	4.26	2.08	0.80	0.70	0.60	
2	2.50	1.99	1.91	2.33	1.74	1.82	2.61	4.04	2.08	0.75	0.70	0.60	
3	2.50	1.99	1.99	2.25	1.65	1.82	2.83	3.71	2.08	0.75	0.70	0.60	
4	2.42	1.91	1.91	2.25	1.48	1.99	6.19	3.49	2.08	0.75	0.65	0.60	
5	2.42	1.91	1.99	2.08	1.48	1.82	4.70	3.27	2.08	0.75	0.70	0.60	
6	2.16	1.82	1.91	1.99	1.40	2.16	4.37	3.16	2.08	0.75	0.70	0.60	
7	1.65	2.08	1.82	1.82	1.40	7.74	3.82	3.05	2.08	0.75	0.70	0.55	
8	1.57	2.25	1.74	1.91	1.48	7.00	4.04	3.05	1.91	0.75	0.65	0.60	
9	1.57	2.33	1.65	1.91	1.65	3.93	5.11	2.61	1.48	0.75	0.65	0.55	
10	1.48	2.16	1.23	1.82	1.48	3.49	22.50	2.33	1.48	0.75	0.65	0.55	
11	2.08	2.42	1.14	1.74	1.40	3.71	25.32	2.25	1.48	0.75	0.65	0.55	
12	2.42	2.25	1.06	1.74	1.40	3.05	14.29	2.25	1.48	0.75	0.60	0.55	
13	2.08	2.16	1.48	1.65	1.48	3.27	10.29	2.08	1.57	0.75	0.60	0.55	
14	2.08	2.08	2.33	1.57	2.08	3.38	8.42	2.16	1.31	0.75	0.60	0.55	
15	1.91	1.99	2.50	1.48	1.82	3.82	7.27	2.16	1.14	0.75	0.65	0.55	
16	1.91	2.33	2.94	1.48	1.65	2.83	6.46	1.99	1.06	0.75	0.70	0.55	
17	1.82	2.83	2.08	1.40	1.48	2.72	5.65	2.08	1.14	0.75	0.70	0.55	
18	1.82	2.83	1.91	1.48	1.48	2.61	4.97	2.08	1.14	0.75	0.65	0.55	
19	1.82	2.42	1.74	1.48	1.40	2.50	4.48	2.08	1.06	0.75	0.65	0.55	
20	1.82	2.25	1.57	1.48	1.40	2.25	4.15	2.08	0.97	0.75	0.65	0.55	
21	1.82	2.25	1.57	1.48	1.40	2.16	3.93	2.08	0.97	0.75	0.65	0.55	
22	2.08	2.72	1.48	1.48	1.31	2.16	6.73	2.08	0.97	0.70	0.65	0.55	
23	2.83	3.16	1.48	1.74	1.31	2.25	5.11	1.99	0.89	0.70	0.65	1.14	
24	2.08	2.50	2.33	1.91	1.48	2.42	5.11	2.08	0.89	0.70	0.60	1.23	
25	1.99	2.33	2.42	1.57	1.99	3.93	6.19	2.08	0.89	0.70	0.60	0.70	
26	1.91	2.25	6.32	1.48	2.16	6.86	4.59	2.08	0.89	0.70	0.60	0.70	
27	1.91	2.16	6.73	1.40	2.50	3.82	7.91	2.08	0.80	0.70	0.65	0.65	
28	1.82	2.16	4.59	1.40	1.99	3.16	6.86	2.08	0.80	0.70	0.65	0.65	
29	2.16	2.08	3.27	1.74	1.82	2.83	6.32	2.08	0.80	0.70		0.60	
30	1.99	1.99	2.61	1.65	1.82	2.72	5.24	2.08	0.80	0.75		0.60	
31		1.91		1.57	1.65		4.59		0.80	0.70		0.60	
Total	61.12	69.42	69.61	53.78	50.60	95.96	212.66	74.89	41.28	22.85	18.30	19.32	789.79 CMSDAY
Mean	2.04	2.24	2.32	1.73	1.63	3.20	6.86	2.50	1.33	0.74	0.65	0.62	2.16 CMS
Max	2.83	3.16	6.73	2.50	2.50	7.74	25.32	4.26	2.08	0.80	0.70	1.23	25.32 CMS
Min	1.48	1.82	1.06	1.40	1.31	1.74	2.61	1.99	0.80	0.70	0.60	0.55	0.55 CMS
Runoff	5.28	6.00	6.01	4.65	4.37	8.29	18.37	6.47	3.57	1.97	1.58	1.67	68.24 MCM
Momentary Peak	62.50 CMS. at 154.25 m. (MSL.) at 12.00 Hours , on Oct 10, 2022												
Runoff Yield	5.77	Liters/Second/Square KM.		Momentary Peak Yield		166.67	Liters/Second/Square KM.						

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Huai Mae Nam Lo at Ban Sai Yok , Kanchanaburi (K.30)**

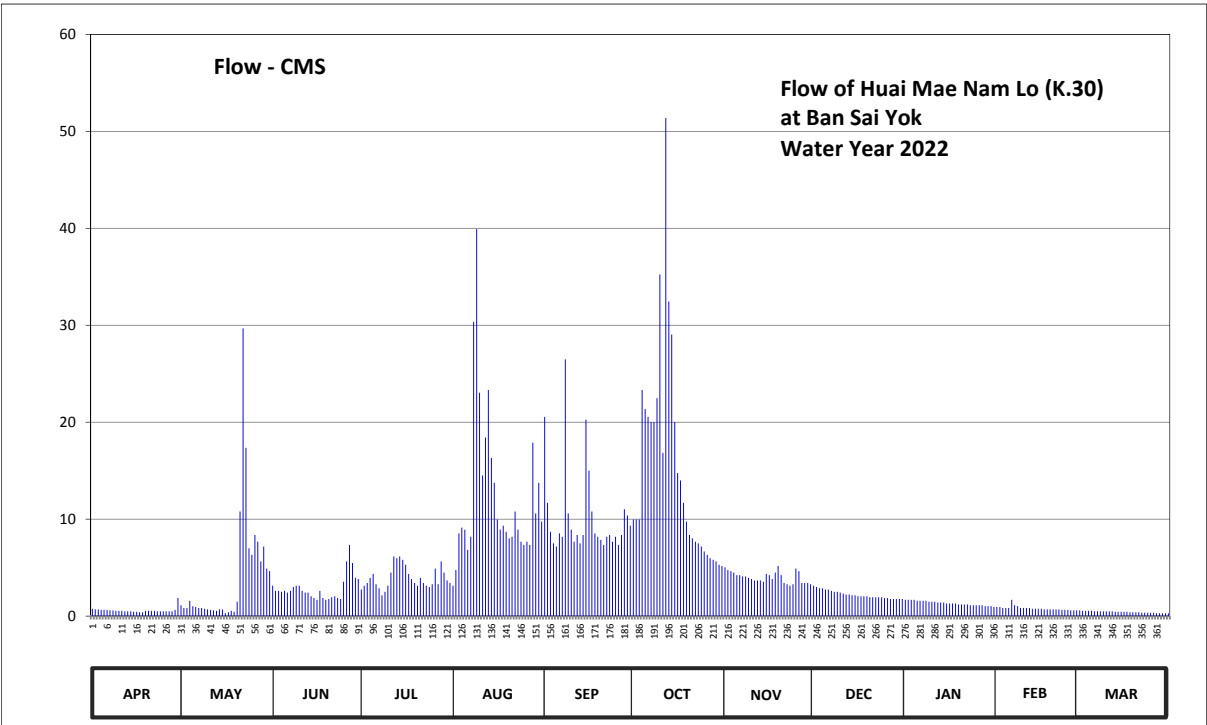
Lat 14 - 26 - 41 N Long 98 - 47 - 43 E

Location : on left bank about 1 kilometer downstream from station K.22A

	Ban Sai Yok	Amphoe Sai Yok	Changwat Kanchanaburi
Drainage Area	467 sq.km.		
Type of Gage	Staff gage.		
Zero Gage at Bottom	+68.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 30 meters from the top staff gage.	Elevation	+77.312 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings		
Period of Available Gage Records	1983 to date		
Rating Operation			
Period of Rating	1994 to date		
Rated by Float	-		
Rated by Current Meter	1994 to date		
Stability of Channel Regimes	Stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 21 discharge measurements made in 2022.		

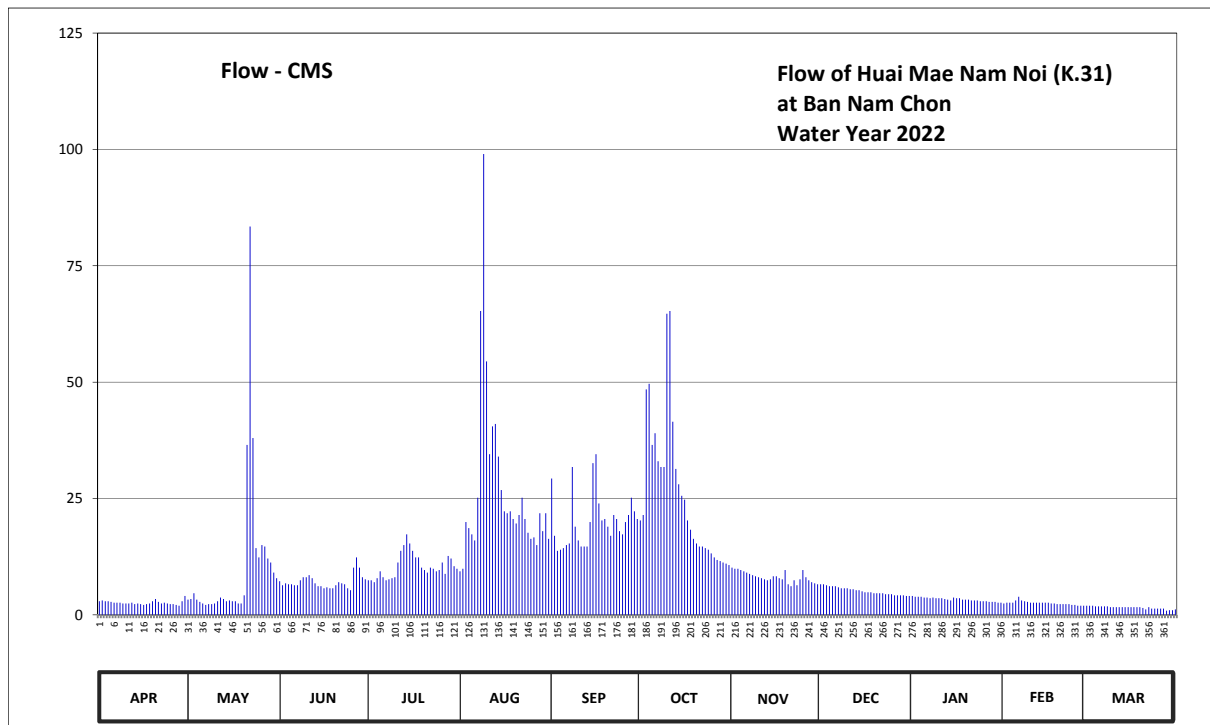
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	68.00	68.04	68.24	68.21	68.24	69.09	68.66	68.38	68.24	68.10	68.02	67.97	
2	67.99	68.01	68.20	68.24	68.36	68.74	68.66	68.36	68.23	68.10	68.02	67.96	
3	67.99	68.01	68.20	68.26	68.59	68.60	68.66	68.35	68.22	68.10	68.01	67.96	
4	67.98	68.09	68.19	68.30	68.62	68.53	69.19	68.34	68.22	68.10	68.01	67.96	
5	67.98	68.03	68.20	68.33	68.61	68.51	69.12	68.32	68.21	68.09	68.01	67.96	
6	67.98	68.02	68.18	68.25	68.49	68.59	69.09	68.32	68.21	68.09	68.10	67.95	
7	67.97	68.01	68.20	68.22	68.57	68.57	69.07	68.31	68.20	68.09	68.04	67.95	
8	67.97	68.01	68.23	68.15	69.41	69.29	69.07	68.31	68.19	68.09	68.03	67.95	
9	67.96	68.00	68.24	68.19	69.67	68.69	69.16	68.30	68.19	68.08	68.01	67.95	
10	67.96	67.99	68.24	68.24	69.18	68.61	69.55	68.29	68.18	68.08	68.01	67.95	
11	67.96	67.98	68.20	68.34	68.86	68.54	68.95	68.28	68.17	68.08	68.01	67.95	
12	67.95	67.97	68.18	68.45	69.01	68.58	69.94	68.28	68.16	68.07	68.01	67.95	
13	67.95	67.96	68.18	68.44	69.19	68.53	69.47	68.28	68.16	68.07	68.00	67.94	
14	67.95	67.99	68.14	68.45	68.93	68.58	69.37	68.27	68.15	68.07	68.00	67.94	
15	67.94	67.99	68.12	68.43	68.83	69.08	69.07	68.33	68.15	68.06	68.00	67.94	
16	67.94	67.91	68.10	68.40	68.66	68.88	68.87	68.32	68.14	68.06	68.00	67.94	
17	67.93	67.93	68.20	68.33	68.61	68.70	68.84	68.29	68.14	68.06	67.99	67.94	
18	67.93	67.96	68.12	68.29	68.63	68.59	68.74	68.34	68.14	68.06	67.99	67.93	
19	67.96	67.94	68.10	68.26	68.60	68.57	68.65	68.39	68.14	68.05	67.99	67.93	
20	67.96	68.08	68.11	68.24	68.56	68.55	68.58	68.32	68.13	68.05	67.99	67.93	
21	67.96	68.70	68.13	68.30	68.57	68.52	68.56	68.26	68.13	68.05	67.99	67.93	
22	67.96	69.39	68.14	68.26	68.70	68.57	68.54	68.25	68.13	68.05	67.99	67.92	
23	67.95	68.97	68.12	68.24	68.61	68.58	68.53	68.24	68.13	68.04	67.98	67.92	
24	67.95	68.50	68.11	68.23	68.54	68.54	68.51	68.25	68.13	68.04	67.98	67.92	
25	67.95	68.46	68.27	68.25	68.52	68.57	68.48	68.37	68.12	68.04	67.98	67.92	
26	67.95	68.58	68.42	68.37	68.54	68.52	68.46	68.35	68.12	68.04	67.97	67.92	
27	67.95	68.54	68.52	68.25	68.52	68.58	68.44	68.26	68.11	68.04	67.97	67.91	
28	67.95	68.42	68.41	68.42	68.99	68.71	68.43	68.26	68.11	68.03	67.97	67.91	
29	67.98	68.51	68.30	68.34	68.69	68.68	68.42	68.26	68.11	68.03		67.91	
30	68.12	68.37	68.29	68.28	68.83	68.63	68.40	68.25	68.11	68.03		67.91	
31		68.35		68.26	68.65		68.39		68.11	68.02		67.91	
Mean	67.97	68.22	68.21	68.30	68.73	68.66	68.93	68.30	68.16	68.06	68.00	67.94	
Max	68.12	69.39	68.52	68.45	69.67	69.29	69.94	68.39	68.24	68.10	68.10	67.97	69.94
Min	67.93	67.91	68.10	68.15	68.24	68.51	68.39	68.24	68.11	68.02	67.97	67.91	67.91
Annual Max Momentary Gage Height	70.76		m. (MSL.) ,				at 18.00 Hours , on Oct 10, 2022						
Zero Gage at Bottom Elevation		68.00	m. (MSL.) ,			River Bed	67.40	m. (MSL.)					
Left Bank Elevation		76.06	m. (MSL.) ,										
Right Bank Elevation		80.25	m. (MSL.) ,			Drainage Are	467	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.75	1.12	3.14	2.74	3.14	20.54	9.96	5.03	3.14	1.68	0.94	0.60	
2	0.70	0.84	2.60	3.14	4.76	11.68	9.96	4.76	3.01	1.68	0.94	0.55	
3	0.70	0.84	2.60	3.41	8.53	8.70	9.96	4.63	2.87	1.68	0.84	0.55	
4	0.65	1.58	2.51	3.95	9.12	7.51	23.32	4.49	2.87	1.68	0.84	0.55	
5	0.65	1.03	2.60	4.36	8.91	7.17	21.36	4.22	2.74	1.58	0.84	0.55	
6	0.65	0.94	2.42	3.28	6.83	8.53	20.54	4.22	2.74	1.58	1.68	0.50	
7	0.60	0.84	2.60	2.87	8.19	8.19	20.01	4.09	2.60	1.58	1.12	0.50	
8	0.60	0.84	3.01	2.14	30.35	26.48	20.01	4.09	2.51	1.58	1.03	0.50	
9	0.55	0.75	3.14	2.51	39.92	10.59	22.48	3.95	2.51	1.49	0.84	0.50	
10	0.55	0.70	3.14	3.14	23.04	8.91	35.25	3.82	2.42	1.49	0.84	0.50	
11	0.55	0.65	2.60	4.49	14.50	7.68	16.83	3.68	2.32	1.49	0.84	0.50	
12	0.50	0.60	2.42	6.15	18.42	8.36	51.38	3.68	2.23	1.40	0.84	0.50	
13	0.50	0.55	2.42	5.98	23.32	7.51	32.45	3.68	2.23	1.40	0.75	0.45	
14	0.50	0.70	2.05	6.15	16.30	8.36	29.04	3.55	2.14	1.40	0.75	0.45	
15	0.45	0.70	1.86	5.81	13.75	20.27	20.01	4.36	2.14	1.31	0.75	0.45	
16	0.45	0.30	1.68	5.30	9.96	15.00	14.75	4.22	2.05	1.31	0.75	0.45	
17	0.40	0.40	2.60	4.36	8.91	10.80	14.00	3.82	2.05	1.31	0.70	0.45	
18	0.40	0.55	1.86	3.82	9.33	8.53	11.68	4.49	2.05	1.31	0.70	0.40	
19	0.55	0.45	1.68	3.41	8.70	8.19	9.75	5.17	2.05	1.21	0.70	0.40	
20	0.55	1.49	1.77	3.14	8.02	7.85	8.36	4.22	1.95	1.21	0.70	0.40	
21	0.55	10.80	1.95	3.95	8.19	7.34	8.02	3.41	1.95	1.21	0.70	0.40	
22	0.55	29.68	2.05	3.41	10.80	8.19	7.68	3.28	1.95	1.21	0.70	0.35	
23	0.50	17.36	1.86	3.14	8.91	8.36	7.51	3.14	1.95	1.12	0.65	0.35	
24	0.50	7.00	1.77	3.01	7.68	7.68	7.17	3.28	1.95	1.12	0.65	0.35	
25	0.50	6.32	3.55	3.28	7.34	8.19	6.66	4.90	1.86	1.12	0.65	0.35	
26	0.50	8.36	5.64	4.90	7.68	7.34	6.32	4.63	1.86	1.12	0.60	0.35	
27	0.50	7.68	7.34	3.28	7.34	8.36	5.98	3.41	1.77	1.12	0.60	0.30	
28	0.50	5.64	5.47	5.64	17.89	11.02	5.81	3.41	1.77	1.03	0.60	0.30	
29	0.65	7.17	3.95	4.49	10.59	10.38	5.64	3.41	1.77	1.03		0.30	
30	1.86	4.90	3.82	3.68	13.75	9.33	5.30	3.28	1.77	1.03		0.30	
31		4.63		3.41	9.75		5.17		1.77	0.94		0.30	
Total	17.86	125.41	86.10	122.34	383.92	307.04	472.36	120.32	68.99	41.42	22.54	13.40	1781.70 CMSDAY
Mean	0.60	4.05	2.87	3.95	12.38	10.23	15.24	4.01	2.23	1.34	0.80	0.43	4.88 CMS
Max	1.86	29.68	7.34	6.15	39.92	26.48	51.38	5.17	3.14	1.68	1.68	0.60	51.38 CMS
Min	0.40	0.30	1.68	2.14	3.14	7.17	5.17	3.14	1.77	0.94	0.60	0.30	0.30 CMS
Runoff	1.54	10.84	7.44	10.57	33.17	26.53	40.81	10.40	5.96	3.58	1.95	1.16	153.94 MCM
Momentary Peak	96.99 CMS. at 70.76 m. (MSL.) at 18.00 Hours , on Oct 10, 2022												
Runoff Yield	10.45	Liters/Second/Square KM.			Momentary Peak Yield			207.69 Liters/Second/Square KM.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	57.32	57.34	57.54	57.55	57.63	58.21	57.99	57.66	57.51	57.39	57.29	57.26	
2	57.33	57.35	57.50	57.55	57.65	57.89	58.02	57.65	57.51	57.38	57.30	57.26	
3	57.32	57.42	57.52	57.53	57.98	57.79	58.59	57.65	57.50	57.38	57.30	57.26	
4	57.32	57.34	57.51	57.57	57.94	57.80	58.61	57.64	57.49	57.38	57.30	57.25	
5	57.31	57.31	57.51	57.63	57.90	57.81	58.37	57.63	57.49	57.37	57.33	57.25	
6	57.30	57.29	57.50	57.58	57.86	57.83	58.42	57.62	57.49	57.37	57.38	57.25	
7	57.30	57.27	57.50	57.55	58.11	57.84	58.30	57.61	57.48	57.36	57.33	57.25	
8	57.30	57.28	57.55	57.56	58.87	58.27	58.27	57.60	57.47	57.37	57.32	57.25	
9	57.29	57.28	57.58	57.57	59.31	57.95	58.27	57.59	57.47	57.36	57.31	57.24	
10	57.29	57.29	57.58	57.58	58.69	57.86	58.86	57.58	57.47	57.36	57.30	57.24	
11	57.29	57.32	57.60	57.70	58.33	57.82	58.87	57.57	57.46	57.36	57.30	57.24	
12	57.30	57.37	57.57	57.79	58.45	57.82	58.47	57.56	57.46	57.35	57.30	57.24	
13	57.28	57.35	57.52	57.83	58.46	57.82	58.26	57.55	57.45	57.34	57.30	57.24	
14	57.29	57.32	57.49	57.90	58.32	57.98	58.18	57.56	57.45	57.33	57.30	57.24	
15	57.28	57.33	57.49	57.84	58.15	58.29	58.12	57.59	57.44	57.37	57.30	57.24	
16	57.27	57.32	57.47	57.79	58.04	58.33	58.10	57.59	57.43	57.36	57.30	57.24	
17	57.28	57.32	57.48	57.74	58.03	58.08	57.99	57.57	57.43	57.36	57.29	57.24	
18	57.29	57.29	57.47	57.74	58.04	57.99	57.93	57.56	57.43	57.34	57.29	57.24	
19	57.32	57.29	57.47	57.66	58.00	58.00	57.87	57.64	57.42	57.34	57.28	57.24	
20	57.35	57.40	57.50	57.64	57.97	57.95	57.84	57.51	57.42	57.34	57.28	57.23	
21	57.31	58.37	57.53	57.62	58.02	57.89	57.82	57.49	57.42	57.33	57.28	57.21	
22	57.29	59.11	57.52	57.66	58.11	58.02	57.82	57.55	57.42	57.33	57.28	57.24	
23	57.30	58.40	57.51	57.65	58.00	58.00	57.81	57.50	57.41	57.33	57.28	57.22	
24	57.29	57.81	57.47	57.63	57.91	57.92	57.80	57.56	57.41	57.32	57.27	57.22	
25	57.28	57.74	57.45	57.64	57.87	57.90	57.77	57.64	57.41	57.32	57.27	57.22	
26	57.28	57.83	57.66	57.70	57.88	57.98	57.74	57.58	57.40	57.32	57.26	57.22	
27	57.27	57.82	57.74	57.61	57.83	58.02	57.72	57.55	57.40	57.31	57.26	57.22	
28	57.26	57.73	57.66	57.75	58.03	58.11	57.71	57.53	57.40	57.31	57.26	57.19	
29	57.32	57.70	57.58	57.73	57.92	58.04	57.70	57.52	57.40	57.31		57.20	
30	57.39	57.62	57.56	57.67	58.03	58.00	57.69	57.51	57.39	57.30		57.20	
31		57.57		57.65	57.87		57.68		57.39	57.30		57.21	
Mean	57.30	57.55	57.53	57.66	58.10	57.97	58.08	57.58	57.44	57.34	57.29	57.23	
Max	57.39	59.11	57.74	57.90	59.31	58.33	58.87	57.66	57.51	57.39	57.38	57.26	59.31
Min	57.26	57.27	57.45	57.53	57.63	57.79	57.68	57.49	57.39	57.30	57.26	57.19	57.19
Annual Max Momentary Gage Height	59.94		m. (MSL) , at 20.00 Hours , on Oct 10, 2022										
Zero Gage at Bottom Elevation	54.20		m. (MSL) , River Bed 56.28 m. (MSL.)										
Left Bank Elevation	68.97		m. (MSL) ,										
Right Bank Elevation	69.34		m. (MSL) , Drainage Are 780 Square Kilometers										

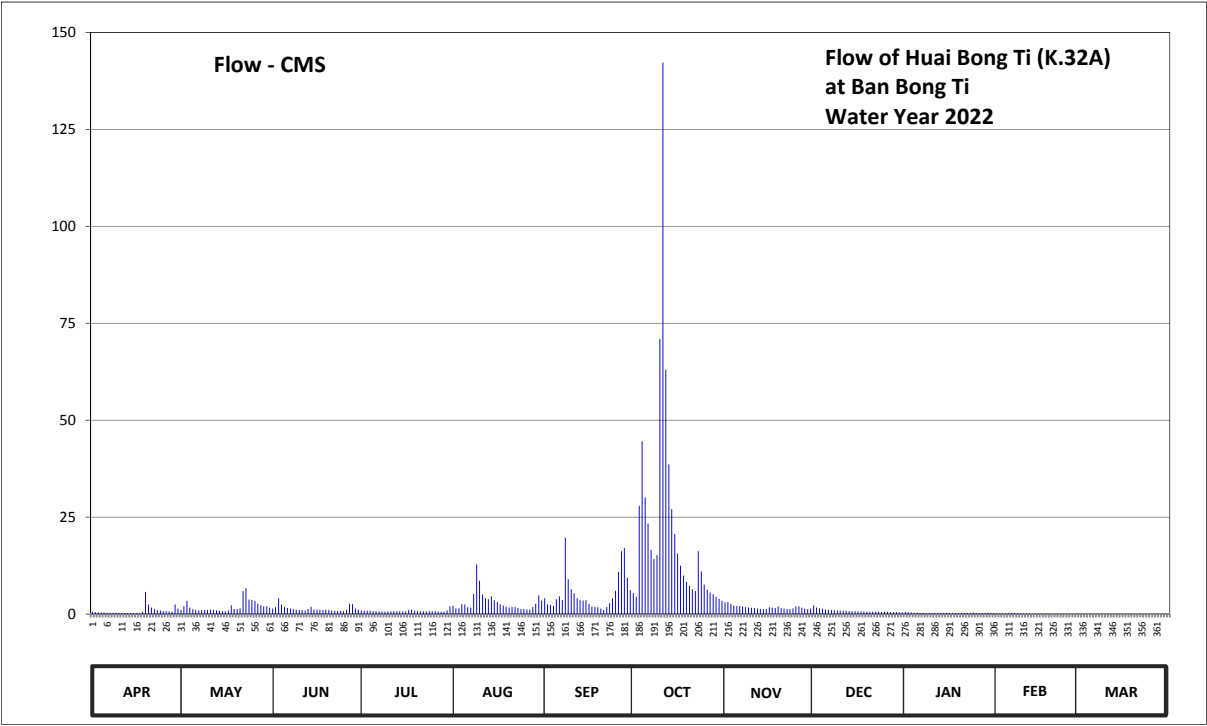


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.92	3.24	7.21	7.43	9.33	29.28	20.27	10.15	6.57	4.04	2.44	1.96		
2	3.08	3.40	6.35	7.43	9.88	16.97	21.43	9.88	6.57	3.88	2.60	1.96		
3	2.92	4.63	6.78	7.00	19.94	13.73	48.42	9.88	6.35	3.88	2.60	1.96		
4	2.92	3.24	6.57	7.86	18.62	14.00	49.63	9.60	6.14	3.88	2.60	1.80		
5	2.76	2.76	6.57	9.33	17.30	14.33	36.50	9.33	6.14	3.72	3.08	1.80		
6	2.60	2.44	6.35	8.07	15.98	14.99	39.00	9.05	6.14	3.72	3.88	1.80		
7	2.60	2.12	6.35	7.43	25.15	15.32	33.00	8.78	5.92	3.56	3.08	1.80		
8	2.60	2.28	7.43	7.64	65.29	31.76	31.76	8.50	5.71	3.72	2.92	1.80		
9	2.44	2.28	8.07	7.86	99.00	18.95	31.76	8.29	5.71	3.56	2.76	1.64		
10	2.44	2.44	8.07	8.07	54.45	15.98	64.69	8.07	5.71	3.56	2.60	1.64		
11	2.44	2.92	8.50	11.25	34.50	14.66	65.29	7.86	5.49	3.56	2.60	1.64		
12	2.60	3.72	7.86	13.73	40.50	14.66	41.50	7.64	5.49	3.40	2.60	1.64		
13	2.28	3.40	6.78	14.99	41.00	14.66	31.35	7.43	5.28	3.24	2.60	1.64		
14	2.44	2.92	6.14	17.30	34.00	19.94	28.04	7.64	5.28	3.08	2.60	1.64		
15	2.28	3.08	6.14	15.32	26.80	32.59	25.56	8.29	5.06	3.72	2.60	1.64		
16	2.12	2.92	5.71	13.73	22.25	34.50	24.73	8.29	4.85	3.56	2.60	1.64		
17	2.28	2.92	5.92	12.35	21.84	23.91	20.27	7.86	4.85	3.56	2.44	1.64		
18	2.44	2.44	5.71	12.35	22.25	20.27	18.29	7.64	4.85	3.24	2.44	1.64		
19	2.92	2.44	5.71	10.15	20.60	20.60	16.31	9.60	4.63	3.24	2.28	1.64		
20	3.40	4.20	6.35	9.60	19.61	18.95	15.32	6.57	4.63	3.24	2.28	1.48		
21	2.76	36.50	7.00	9.05	21.43	16.97	14.66	6.14	4.63	3.08	2.28	1.16		
22	2.44	83.44	6.78	10.15	25.15	21.43	14.66	7.43	4.63	3.08	2.28	1.64		
23	2.60	38.00	6.57	9.88	20.60	20.60	14.33	6.35	4.42	3.08	2.28	1.32		
24	2.44	14.33	5.71	9.33	17.63	17.96	14.00	7.64	4.42	2.92	2.12	1.32		
25	2.28	12.35	5.28	9.60	16.31	17.30	13.18	9.60	4.42	2.92	2.12	1.32		
26	2.28	14.99	10.15	11.25	16.64	19.94	12.35	8.07	4.20	2.92	1.96	1.32		
27	2.12	14.66	12.35	8.78	14.99	21.43	11.80	7.43	4.20	2.76	1.96	1.32		
28	1.96	12.08	10.15	12.63	21.84	25.15	11.53	7.00	4.20	2.76	1.96	0.90		
29	2.92	11.25	8.07	12.08	17.96	22.25	11.25	6.78	4.20	2.76		1.00		
30	4.04	9.05	7.64	10.43	21.84	20.60	10.98	6.57	4.04	2.60		1.00		
31		7.86		9.88	16.31		10.70		4.04	2.60		1.16		
Total	78.32	314.30	214.27	321.95	828.99	603.68	802.56	243.36	158.77	102.84	70.56	47.86	3787.46	CMSDAY
Mean	2.61	10.14	7.14	10.39	26.74	20.12	25.89	8.11	5.12	3.32	2.52	1.54	10.38	CMS
Max	4.04	83.44	12.35	17.30	99.00	34.50	65.29	10.15	6.57	4.04	3.88	1.96	99.00	CMS
Min	1.96	2.12	5.28	7.00	9.33	13.73	10.70	6.14	4.04	2.60	1.96	0.90	0.90	CMS
Runoff	6.77	27.16	18.51	27.82	71.62	52.16	69.34	21.03	13.72	8.89	6.10	4.14	327.24	MCM
Momentary Peak	152.49	CMS. at 59.94 m. (MSL.) at 20.00 Hours , on Oct 10, 2022												
Runoff Yield	13.30	Liters/Second/Square KM.				Momentary Peak Yield				195.50	Liters/Second/Square KM.			

WATER YEAR : 2022			
MAE KLONG RIVER BASIN			
Huai Bong Ti at Ban Bong Ti , Kanchanaburi (K.32A)			
Lat 14 - 16 - 34 N Long 98 - 55 - 52 E			
Location : on right bank at Ban Bong Ti.			
	Ban Bong Ti	Amphoe Sai Yok	Changwat Kanchanaburi
Drainge Area	520 sq.km.		
Type of Gage	Staff gage		
Zero Gage at Bottom	+84.200 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank about 6.50 meters from the top staff gage.	Elevation	+90.239 m. (MSL.)
Gage Reading Frequency	16-time daily readings at 03.00, 06.00 - 18.00, 21.00 and 24.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic mean of 16 readings		
Period of Available Gage Records	1984 to date		
Rating Operation			
Period of Rating	1984 to date		
Rated by Float	-		
Rated by Current Meter	1984 to date		
Stability of Channel Regimes	Rather unstable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 28 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	85.03	85.13	85.19	85.11	85.30	85.56	85.71	85.43	85.31	85.02	84.91	84.85	
2	85.02	85.28	85.24	85.10	85.20	85.36	85.61	85.44	85.23	85.01	84.91	84.84	
3	85.01	85.48	85.56	85.09	85.20	85.34	86.98	85.37	85.20	84.99	84.91	84.84	
4	85.00	85.22	85.35	85.09	85.36	85.29	87.44	85.31	85.18	84.97	84.91	84.84	
5	84.99	85.16	85.25	85.08	85.35	85.53	87.05	85.29	85.15	84.96	84.92	84.84	
6	84.98	85.13	85.21	85.07	85.24	85.62	86.82	85.29	85.14	84.95	84.93	84.84	
7	84.98	85.11	85.18	85.05	85.22	85.51	86.53	85.27	85.13	84.95	84.93	84.84	
8	84.97	85.12	85.16	85.05	85.69	86.67	86.41	85.25	85.12	84.94	84.92	84.84	
9	84.96	85.13	85.14	85.04	86.32	86.05	86.46	85.23	85.11	84.94	84.91	84.84	
10	84.95	85.13	85.13	85.05	86.02	85.82	87.93	85.22	85.10	84.92	84.90	84.83	
11	84.95	85.14	85.12	85.06	85.67	85.71	88.76	85.21	85.09	84.97	84.89	84.83	
12	84.95	85.13	85.11	85.07	85.56	85.56	87.80	85.19	85.09	84.97	84.88	84.83	
13	84.95	85.11	85.17	85.07	85.53	85.50	87.29	85.17	85.08	84.97	84.88	84.83	
14	84.94	85.09	85.26	85.07	85.62	85.49	86.95	85.16	85.07	84.97	84.88	84.82	
15	84.94	85.07	85.15	85.06	85.50	85.50	86.71	85.17	85.07	84.96	84.88	84.82	
16	84.93	85.06	85.14	85.06	85.44	85.37	86.48	85.24	85.06	84.96	84.87	84.82	
17	84.92	85.11	85.13	85.12	85.36	85.26	86.30	85.22	85.05	84.96	84.87	84.82	
18	85.04	85.32	85.12	85.14	85.31	85.25	86.12	85.21	85.05	84.95	84.87	84.81	
19	85.75	85.17	85.14	85.09	85.26	85.24	86.00	85.27	85.04	84.94	84.87	84.79	
20	85.35	85.16	85.12	85.08	85.23	85.19	85.90	85.21	85.04	84.95	84.86	84.79	
21	85.23	85.20	85.10	85.06	85.25	85.13	85.82	85.19	85.04	84.95	84.86	84.78	
22	85.16	85.77	85.09	85.06	85.25	85.25	85.77	85.17	85.04	84.95	84.86	84.78	
23	85.13	85.85	85.08	85.06	85.21	85.40	86.51	85.16	85.04	84.97	84.86	84.75	
24	85.11	85.52	85.09	85.07	85.17	85.56	86.20	85.20	85.03	84.99	84.85	84.72	
25	85.08	85.51	85.07	85.07	85.16	85.78	85.93	85.27	85.03	84.97	84.85	84.71	
26	85.07	85.48	85.13	85.07	85.15	86.19	85.81	85.28	85.03	84.94	84.85	84.71	
27	85.05	85.38	85.38	85.05	85.14	86.51	85.73	85.23	85.02	84.94	84.85	84.71	
28	85.04	85.32	85.36	85.04	85.25	86.55	85.68	85.19	85.02	84.94	84.86	84.71	
29	85.35	85.27	85.19	85.04	85.38	86.08	85.60	85.17	85.02	84.94		84.71	
30	85.18	85.27	85.14	85.11	85.65	85.80	85.54	85.18	85.01	84.94		84.71	
31		85.22		85.27	85.49		85.48		85.01	84.93		84.71	
Mean	85.07	85.26	85.18	85.08	85.40	85.64	86.43	85.24	85.08	84.96	84.88	84.79	
Max	85.75	85.85	85.56	85.27	86.32	86.67	88.76	85.44	85.31	85.02	84.93	84.85	88.76
Min	84.92	85.06	85.07	85.04	85.14	85.13	85.48	85.16	85.01	84.92	84.85	84.71	84.71
Annual Max Momentary Gage Height	89.53	m. (MSL.) , at 12.00 Hours , on Oct 12, 2022											
Zero Gage at Bottom Elevation	84.20	m. (MSL.) ,		River Bed		84.82	m. (MSL.)						
Left Bank Elevation		90.31	m. (MSL.) ,										
Right Bank Elevation		90.29	m. (MSL.) ,		Drainage Are		520	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.56	1.08	1.44	0.96	2.15	4.08	5.39	3.04	2.22	0.52	0.18	0.00	
2	0.52	2.02	1.76	0.90	1.50	2.54	4.49	3.12	1.70	0.47	0.18	0.00	
3	0.47	3.44	4.08	0.85	1.50	2.41	27.93	2.61	1.50	0.39	0.18	0.00	
4	0.42	1.63	2.48	0.85	2.54	2.09	44.60	2.22	1.38	0.34	0.18	0.00	
5	0.39	1.26	1.83	0.80	2.48	3.84	30.05	2.09	1.20	0.31	0.20	0.00	
6	0.37	1.08	1.57	0.76	1.76	4.58	23.37	2.09	1.14	0.29	0.23	0.00	
7	0.37	0.96	1.38	0.66	1.63	3.68	16.60	1.96	1.08	0.29	0.23	0.00	
8	0.34	1.02	1.26	0.66	5.21	19.68	14.20	1.83	1.02	0.26	0.20	0.00	
9	0.31	1.08	1.14	0.61	12.80	8.98	15.20	1.70	0.96	0.26	0.18	0.00	
10	0.29	1.08	1.08	0.66	8.57	6.41	70.95	1.63	0.90	0.20	0.15	0.00	
11	0.29	1.14	1.02	0.71	5.03	5.39	142.20	1.57	0.85	0.34	0.12	0.00	
12	0.29	1.08	0.96	0.76	4.08	4.08	63.00	1.44	0.85	0.34	0.09	0.00	
13	0.29	0.96	1.32	0.76	3.84	3.60	38.63	1.32	0.80	0.34	0.09	0.00	
14	0.26	0.85	1.89	0.76	4.58	3.52	27.08	1.26	0.76	0.34	0.09	0.00	
15	0.26	0.76	1.20	0.71	3.60	3.60	20.64	1.32	0.76	0.31	0.09	0.00	
16	0.23	0.71	1.14	0.71	3.12	2.61	15.60	1.76	0.71	0.31	0.06	0.00	
17	0.20	0.96	1.08	1.02	2.54	1.89	12.50	1.63	0.66	0.31	0.06	0.00	
18	0.61	2.28	1.02	1.14	2.22	1.83	9.92	1.57	0.66	0.29	0.06	0.00	
19	5.75	1.32	1.14	0.85	1.89	1.76	8.30	1.96	0.61	0.26	0.06	0.00	
20	2.48	1.26	1.02	0.80	1.70	1.44	7.25	1.57	0.61	0.29	0.03	0.00	
21	1.70	1.50	0.90	0.71	1.83	1.08	6.41	1.44	0.61	0.29	0.03	0.00	
22	1.26	5.93	0.85	0.71	1.83	1.83	5.93	1.32	0.61	0.29	0.03	0.00	
23	1.08	6.73	0.80	0.71	1.57	2.80	16.20	1.26	0.61	0.34	0.03	0.00	
24	0.96	3.76	0.85	0.76	1.32	4.08	11.00	1.50	0.56	0.39	0.00	0.00	
25	0.80	3.68	0.76	0.76	1.26	6.02	7.57	1.96	0.56	0.34	0.00	0.00	
26	0.76	3.44	1.08	0.76	1.20	10.87	6.31	2.02	0.56	0.26	0.00	0.00	
27	0.66	2.67	2.67	0.66	1.14	16.20	5.57	1.70	0.52	0.26	0.00	0.00	
28	0.61	2.28	2.54	0.61	1.83	17.00	5.12	1.44	0.52	0.26	0.03	0.00	
29	2.48	1.96	1.44	0.61	2.67	9.38	4.40	1.32	0.52	0.26		0.00	
30	1.38	1.96	1.14	0.96	4.85	6.20	3.92	1.38	0.47	0.26		0.00	
31		1.63		1.96	3.52		3.44		0.47	0.23		0.00	
Total	26.39	61.51	42.84	25.14	95.76	163.47	673.77	53.03	26.38	9.64	2.78	0.00	1180.71
Mean	0.88	1.98	1.43	0.81	3.09	5.45	21.73	1.77	0.85	0.31	0.10	0.00	3.23
Max	5.75	6.73	4.08	1.96	12.80	19.68	142.20	3.12	2.22	0.52	0.23	0.00	142.20
Min	0.20	0.71	0.76	0.61	1.14	1.08	3.44	1.26	0.47	0.20	0.00	0.00	0.00
Runoff	2.28	5.31	3.70	2.17	8.27	14.12	58.21	4.58	2.28	0.83	0.24	0.00	102.01
Momentary Peak	CMS. at 89.53 m. (MSL.) at 12.00 Hours , on Oct 12, 2022												
Runoff Yield	6.22	Liters/Second/Square KM.				Momentary Peak Yield				461.31	Liters/Second/Square KM.		

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Khwaie Yai River at Ban Nong Bua , Kanchanaburi (K.35A)**

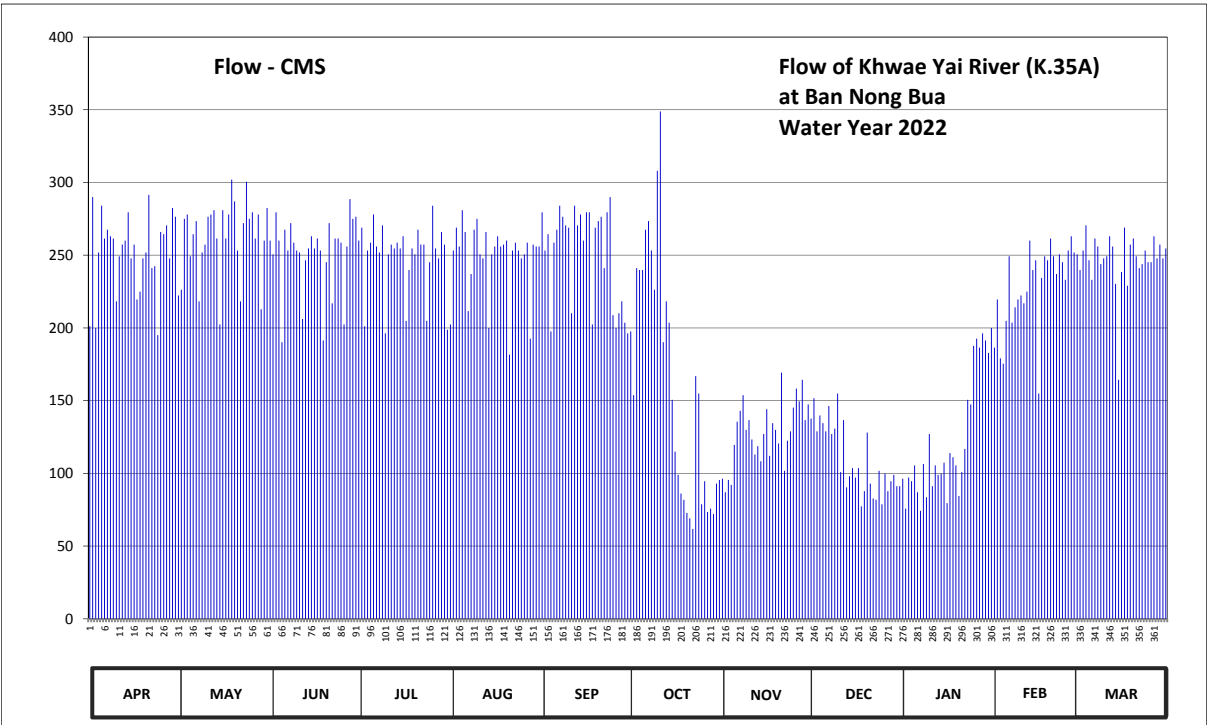
Lat 14 - 03 - 31 N Long 99 - 26 - 43 E

Location : on left bank at Ban Nong Bua.

	Ban	Nong Bua	Amphoe	Mueang	Changwat	Kanchanaburi
Drainage Area	14,458	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+21.500	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 3 meters from the third staff gage.				Elevation	+26.975 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1984 to date					
Rating Operation						
Period of Rating	1984 - 1985 , 1987 to date					
Rated by Float	-					
Rated by Current Meter	1984 - 1985 , 1987 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow regulated by Sri Nakarindra Dam.					
	Stage-discharge relation defined by 36 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

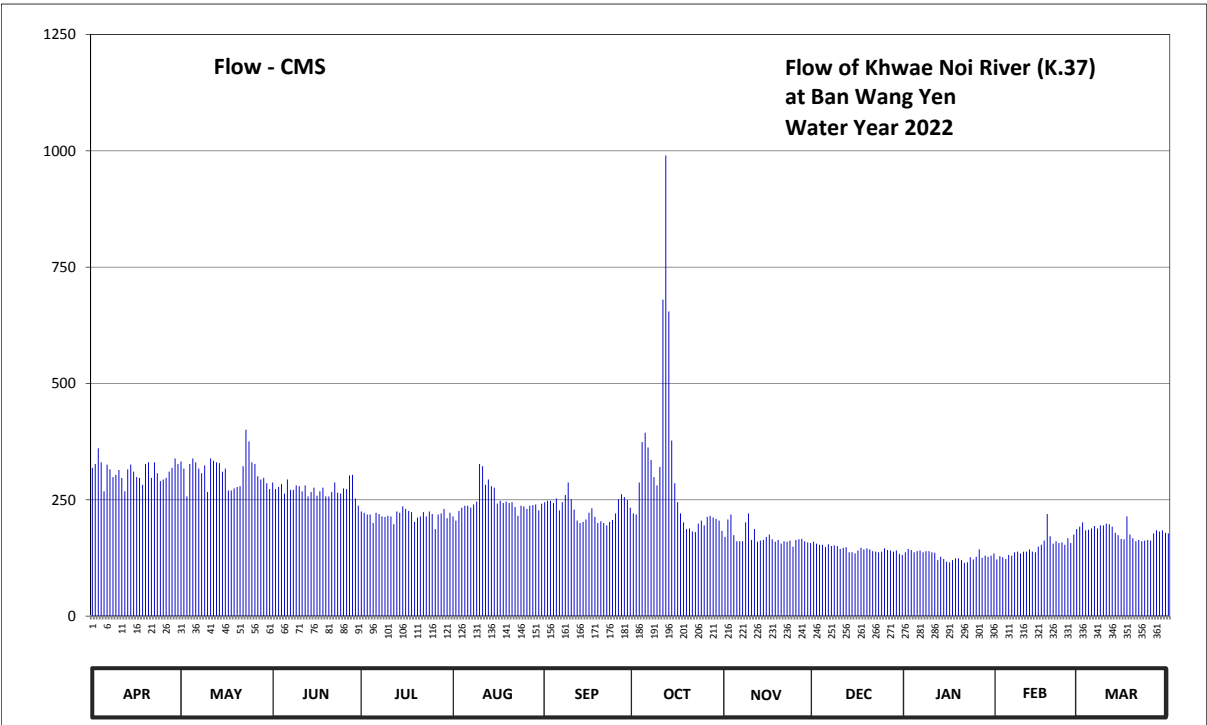
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	25.46	25.62	25.90	25.90	25.47	26.03	25.43	24.48	24.92	24.48	25.34	25.83	
2	26.10	25.65	25.83	25.96	25.85	25.85	25.07	24.37	25.05	24.23	25.60	25.75	
3	25.45	26.00	26.03	25.46	25.96	25.93	25.76	24.47	24.83	24.49	25.28	25.85	
4	25.84	26.02	25.90	25.85	25.87	25.43	25.75	24.43	24.94	24.46	25.25	25.97	
5	26.06	25.82	25.37	25.89	26.04	25.89	25.75	24.73	24.89	24.58	25.49	25.80	
6	25.91	25.93	25.95	26.02	25.94	25.95	25.95	24.90	24.83	24.37	25.82	25.70	
7	25.95	25.99	25.85	25.87	25.54	26.06	25.99	24.97	25.00	24.21	25.48	25.91	
8	25.92	25.59	25.98	25.84	25.73	26.01	25.85	25.07	24.81	24.59	25.56	25.87	
9	25.91	25.84	25.89	25.97	25.95	25.97	25.65	24.84	24.85	24.33	25.60	25.78	
10	25.59	25.88	25.85	25.42	26.00	25.96	26.22	24.91	25.08	24.81	25.62	25.81	
11	25.82	26.01	25.84	25.83	25.83	25.53	26.48	24.77	24.53	24.42	25.58	25.82	
12	25.88	26.02	25.50	25.88	25.81	26.06	25.37	24.66	24.91	24.58	25.64	25.92	
13	25.90	26.04	25.80	25.86	25.94	25.97	25.59	24.72	24.41	24.51	25.90	25.87	
14	26.03	25.91	25.86	25.89	25.45	26.02	25.48	24.61	24.50	24.52	25.75	25.68	
15	25.81	25.47	25.92	25.86	25.83	25.90	25.04	24.81	24.56	24.60	25.80	25.16	
16	25.88	26.04	25.86	25.92	25.87	26.03	24.68	24.98	24.49	24.28	25.08	25.74	
17	25.60	25.91	25.91	25.49	25.92	26.03	24.51	24.65	24.56	24.67	25.71	25.96	
18	25.64	26.02	25.85	25.75	25.87	25.47	24.36	24.89	24.25	24.64	25.82	25.67	
19	25.81	26.18	25.38	25.86	25.88	25.96	24.31	24.84	24.38	24.58	25.80	25.88	
20	25.84	26.08	25.79	25.83	25.90	25.99	24.19	24.74	24.82	24.34	25.91	25.91	
21	26.11	25.85	25.98	25.95	25.30	26.01	24.14	25.20	24.44	24.53	25.82	25.82	
22	25.76	25.59	25.58	25.88	25.85	25.76	24.04	24.54	24.32	24.70	25.73	25.76	
23	25.77	25.98	25.91	25.88	25.89	26.03	25.18	24.76	24.31	25.04	25.83	25.78	
24	25.41	26.17	25.91	25.49	25.85	26.10	25.08	24.83	24.54	25.01	25.79	25.85	
25	25.94	26.00	25.89	25.79	25.81	25.52	24.27	24.99	24.27	25.35	25.70	25.79	
26	25.93	26.03	25.47	26.06	25.83	25.45	24.46	25.11	24.52	25.39	25.85	25.79	
27	25.97	25.91	25.87	25.86	25.89	25.53	24.20	25.03	24.38	25.34	25.92	25.92	
28	25.81	26.02	26.09	25.81	25.39	25.59	24.23	25.16	24.46	25.42	25.84	25.81	
29	26.05	25.55	26.00	25.94	25.88	25.48	24.18	24.91	24.51	25.38		25.88	
30	26.01	25.90	26.01	25.88	25.87	25.42	24.44	25.01	24.42	25.31		25.81	
31		26.05		25.44	25.87		24.47		24.42	25.45		25.86	
Mean	25.84	25.91	25.83	25.82	25.81	25.83	25.04	24.81	24.62	24.73	25.66	25.80	
Max	26.11	26.18	26.09	26.06	26.04	26.10	26.48	25.20	25.08	25.45	25.92	25.97	26.48
Min	25.41	25.47	25.37	25.42	25.30	25.42	24.04	24.37	24.25	24.21	25.08	25.16	24.04
Annual Max Momentary Gage Height	27.30		m. (MSL.) ,			at 07.00 Hours ,	on Oct 11, 2022						
Zero Gage at Bottom Elevation	21.50		m. (MSL.) ,			River Bed	22.04	m. (MSL.)					
Left Bank Elevation	31.25		m. (MSL.) ,										
Right Bank Elevation	31.15		m. (MSL.) ,			Drainage Are	14,458	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	201.19	222.27	260.00	260.00	202.42	279.50	197.51	96.30	137.65	96.30	186.46	250.57		
2	290.00	226.31	250.57	269.00	253.26	253.26	153.78	86.95	151.63	75.75	219.58	239.79		
3	199.96	275.00	279.50	201.19	269.00	264.50	241.14	95.45	128.94	97.15	179.10	253.26		
4	251.92	278.00	260.00	253.26	255.96	197.51	239.79	92.05	139.80	94.60	175.41	270.50		
5	284.00	249.22	190.14	258.65	281.00	258.65	239.79	119.56	134.56	105.50	204.87	246.53		
6	261.50	264.50	267.50	278.00	266.00	267.50	267.50	135.50	128.94	86.95	249.22	233.05		
7	267.50	273.50	253.26	255.96	211.49	284.00	273.50	143.03	146.25	74.25	203.65	261.50		
8	263.00	218.23	272.00	251.92	237.09	276.50	253.26	153.78	127.06	106.44	214.19	255.96		
9	261.50	251.92	258.65	270.50	267.50	270.50	226.31	129.88	130.81	83.55	219.58	243.83		
10	218.23	257.31	253.26	196.28	275.00	269.00	308.00	136.58	154.85	127.06	222.27	247.87		
11	249.22	276.50	251.92	250.57	250.57	210.14	348.80	123.31	100.81	91.20	216.88	249.22		
12	257.31	278.00	206.10	257.31	247.87	284.00	190.14	113.00	136.58	105.50	224.97	263.00		
13	260.00	281.00	246.53	254.61	266.00	270.50	218.23	118.63	90.35	98.94	260.00	255.96		
14	279.50	261.50	254.61	258.65	199.96	278.00	203.65	108.31	98.00	99.88	239.79	230.36		
15	247.87	202.42	263.00	254.61	250.57	260.00	150.55	127.06	103.63	107.38	246.53	164.37		
16	257.31	281.00	254.61	263.00	255.96	279.50	114.88	144.10	97.15	79.50	154.85	238.44		
17	219.58	261.50	261.50	204.87	263.00	279.50	98.94	112.06	103.63	113.94	234.40	269.00		
18	224.97	278.00	253.26	239.79	255.96	202.42	86.10	134.56	77.25	111.13	249.22	229.01		
19	247.87	302.00	191.37	254.61	257.31	269.00	81.85	129.88	87.80	105.50	246.53	257.31		
20	251.92	287.00	245.18	250.57	260.00	273.50	72.75	120.50	128.00	84.40	261.50	261.50		
21	291.50	253.26	272.00	267.50	181.55	276.50	69.00	169.28	92.90	100.81	249.22	249.22		
22	241.14	218.23	216.88	257.31	253.26	241.14	61.80	101.75	82.70	116.75	237.09	241.14		
23	242.48	272.00	261.50	257.31	258.65	279.50	166.82	122.38	81.85	150.55	250.57	243.83		
24	195.05	300.50	261.50	204.87	253.26	290.00	154.85	128.94	101.75	147.33	245.18	253.26		
25	266.00	275.00	258.65	245.18	247.87	208.80	78.75	145.18	78.75	187.69	233.05	245.18		
26	264.50	279.50	202.42	284.00	250.57	199.96	94.60	158.23	99.88	192.60	253.26	245.18		
27	270.50	261.50	255.96	254.61	258.65	210.14	73.50	149.48	87.80	186.46	263.00	263.00		
28	247.87	278.00	288.50	247.87	192.60	218.23	75.75	164.37	94.60	196.28	251.92	247.87		
29	282.50	212.84	275.00	266.00	257.31	203.65	72.00	136.58	98.94	191.37		257.31		
30	276.50	260.00	276.50	257.31	255.96	196.28	92.90	147.33	91.20	182.78		247.87		
31		282.5		198.74	255.96		95.45		91.20	199.96		254.61		
Total	7572.39	8118.51	7541.87	7724.05	7691.56	7551.68	5001.89	3844.01	3405.26	3797.50	6392.29	7669.50	76310.51	CMSDAY
Mean	252.41	261.89	251.40	249.16	248.11	251.72	161.35	128.13	109.85	122.50	228.30	247.40	209.07	CMS
Max	291.50	302.00	288.50	284.00	281.00	290.00	348.80	169.28	154.85	199.96	263.00	270.50	348.80	CMS
Min	195.05	202.42	190.14	196.28	181.55	196.28	61.80	86.95	77.25	74.25	154.85	164.37	61.80	CMS
Runoff	654.25	701.44	651.62	667.36	664.55	652.47	432.16	332.12	294.21	328.10	552.29	662.64	6593.23	MCM
Momentary Peak	494.00 CMS. at 27.30 m. (MSL.) at 07.00 Hours , on Oct 11, 2022													
Runoff Yield	14.46	Liters/Second/Square KM.			Momentary Peak Yield			34.17	Liters/Second/Square KM.					

WATER YEAR : 2022													
MAE KLONG RIVER BASIN													
Khwae Noi River at Ban Wang Yen , Kanchanaburi (K.37)													
Lat 13 - 56 - 24 N Long 99 - 24 - 58 E													
Location : on left bank at Ban Wang Yen.													
	Ban Wang Yen			Amphoe Mueang			Changwat Kanchanaburi						
Drainge Area	10,659 sq.km.												
Type of Gage	Water - stage recorder												
Zero Gage at Bottom	+19.800 m. (MSL.)												
Bench Mark	B.M.-H.D.												
Location BM	On left bank about 5 meters from the automatic gage building.									Elevation	+29.237 m. (MSL.)		
Gage Reading Frequency	Recording												
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.												
Period of Available Gage Records	1984 to date												
Rating Operation													
Period of Rating	1984 to date												
Rated by Float	-												
Rated by Current Meter	1984 to date												
Stability of Channel Regimes	Stable.												
Overbank Flow Conditions	No overbank flow.												
General Description	Records good. Flow regulated by Khao Laem Dam.												
	Stage-discharge relation defined by 38 discharge measurements made in 2022.												

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	24.79	24.87	24.60	24.19	24.11	24.33	24.16	23.77	23.69	23.51	23.38	23.94	
2	24.84	24.78	24.51	24.17	24.04	24.35	24.14	24.06	23.66	23.57	23.44	24.01	
3	25.04	24.41	24.54	24.14	24.20	24.35	24.60	24.14	23.64	23.55	23.42	23.88	
4	24.86	24.84	24.58	24.14	24.25	24.32	25.12	23.80	23.64	23.51	23.39	23.89	
5	24.48	24.91	24.45	24.00	24.28	24.38	25.24	23.70	23.60	23.53	23.46	23.91	
6	24.83	24.86	24.64	24.17	24.28	24.21	25.05	23.70	23.65	23.54	23.45	23.95	
7	24.77	24.78	24.50	24.15	24.25	24.33	24.89	23.70	23.62	23.51	23.51	23.91	
8	24.67	24.72	24.50	24.11	24.30	24.43	24.67	24.01	23.63	23.53	23.52	23.96	
9	24.70	24.82	24.56	24.10	24.34	24.60	24.56	24.16	23.62	23.53	23.49	23.96	
10	24.76	24.47	24.55	24.12	24.84	24.37	24.80	23.72	23.57	23.51	23.52	23.99	
11	24.66	24.91	24.48	24.11	24.81	24.22	26.67	23.90	23.59	23.50	23.52	23.98	
12	24.48	24.88	24.56	23.98	24.57	24.04	27.98	23.69	23.60	23.37	23.56	23.94	
13	24.77	24.86	24.41	24.19	24.64	24.00	26.56	23.71	23.51	23.43	23.52	23.84	
14	24.83	24.85	24.47	24.17	24.55	24.02	25.14	23.72	23.51	23.39	23.51	23.80	
15	24.74	24.74	24.53	24.27	24.53	24.06	24.59	23.77	23.49	23.34	23.61	23.74	
16	24.67	24.78	24.42	24.23	24.31	24.17	24.33	23.81	23.54	23.33	23.64	23.73	
17	24.66	24.49	24.48	24.20	24.35	24.24	24.16	23.73	23.59	23.37	23.71	24.11	
18	24.57	24.49	24.53	24.18	24.32	24.10	24.01	23.69	23.56	23.40	24.15	23.81	
19	24.84	24.52	24.41	24.02	24.34	24.00	23.90	23.72	23.58	23.40	23.78	23.75	
20	24.86	24.54	24.41	24.09	24.32	24.03	23.91	23.66	23.56	23.37	23.66	23.70	
21	24.66	24.55	24.47	24.11	24.33	24.00	23.86	23.70	23.53	23.32	23.70	23.72	
22	24.86	24.81	24.60	24.18	24.26	23.96	23.85	23.69	23.52	23.33	23.67	23.70	
23	24.72	25.28	24.46	24.11	24.12	24.02	23.99	23.71	23.51	23.42	23.68	23.71	
24	24.62	25.13	24.45	24.19	24.28	24.05	24.04	23.61	23.52	23.38	23.64	23.72	
25	24.64	24.86	24.52	24.15	24.27	24.16	23.96	23.72	23.58	23.43	23.75	23.71	
26	24.66	24.84	24.51	23.90	24.23	24.37	24.10	23.73	23.55	23.56	23.67	23.83	
27	24.74	24.68	24.69	24.14	24.28	24.44	24.12	23.74	23.54	23.41	23.81	23.88	
28	24.79	24.64	24.70	24.16	24.29	24.40	24.09	23.70	23.52	23.45	23.90	23.86	
29	24.91	24.66	24.38	24.23	24.30	24.36	24.07	23.68	23.54	23.43		23.88	
30	24.84	24.59	24.28	24.08	24.21	24.25	24.04	23.67	23.48	23.45		23.84	
31		24.51		24.17	24.31		23.87		23.46	23.49		23.83	
Mean	24.74	24.74	24.51	24.13	24.34	24.22	24.60	23.77	23.57	23.45	23.61	23.85	
Max	25.04	25.28	24.70	24.27	24.84	24.60	27.98	24.16	23.69	23.57	24.15	24.11	27.98
Min	24.48	24.41	24.28	23.90	24.04	23.96	23.85	23.61	23.46	23.32	23.38	23.70	23.32
Annual Max Momentary Gage Height	28.11	m. (MSL.) ,		at 05.00 Hours , on Oct 12, 2022									
Zero Gage at Bottom Elevation	19.80	m. (MSL.) ,		River Bed		18.85	m. (MSL.)						
Left Bank Elevation	32.58	m. (MSL.) ,											
Right Bank Elevation	32.23	m. (MSL.) ,		Drainage Are		10,659	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	318.76	332.13	287.00	224.70	214.30	244.70	220.80	170.10	159.70	137.20	121.60	192.20		
2	327.11	317.09	272.90	222.10	205.20	247.83	218.20	207.80	155.80	144.40	128.80	201.30		
3	360.54	257.23	277.60	218.20	226.00	247.83	287.00	218.20	153.20	142.00	126.40	184.40		
4	330.46	327.11	283.87	218.20	233.00	243.13	373.91	174.00	153.20	137.20	122.80	185.70		
5	268.20	338.81	263.50	200.00	237.20	252.53	393.97	161.00	148.00	139.60	131.20	188.30		
6	325.44	330.46	293.69	222.10	237.20	227.40	362.21	161.00	154.50	140.80	130.00	193.50		
7	315.41	317.09	271.33	219.50	233.00	244.70	335.47	161.00	150.60	137.20	137.20	188.30		
8	298.70	307.06	271.33	214.30	240.00	260.37	298.70	201.30	151.90	139.60	138.40	194.80		
9	303.71	323.77	280.73	213.00	246.27	287.00	280.73	220.80	150.60	139.60	134.80	194.80		
10	313.74	266.63	279.17	215.60	327.11	250.97	320.43	163.60	144.40	137.20	138.40	198.70		
11	297.03	338.81	268.20	214.30	322.10	228.80	680.10	187.00	146.80	136.00	138.40	197.40		
12	268.20	333.80	280.73	197.40	282.30	205.20	989.90	159.70	148.00	120.40	143.20	192.20		
13	315.41	330.46	257.23	224.70	293.69	200.00	654.80	162.30	137.20	127.60	138.40	179.20		
14	325.44	328.79	266.63	222.10	279.17	202.60	377.26	163.60	137.20	122.80	137.20	174.00		
15	310.40	310.40	276.03	235.80	276.03	207.80	285.43	170.10	134.80	116.80	149.30	166.20		
16	298.70	317.09	258.80	230.20	241.57	222.10	244.70	175.30	140.80	115.60	153.20	164.90		
17	297.03	269.77	268.20	226.00	247.83	231.60	220.80	164.90	146.80	120.40	162.30	214.30		
18	282.30	269.77	276.03	223.40	243.13	213.00	201.30	159.70	143.20	124.00	219.50	175.30		
19	327.11	274.47	257.23	202.60	246.27	200.00	187.00	163.60	145.60	124.00	171.40	167.50		
20	330.46	277.60	257.23	211.70	243.13	203.90	188.30	155.80	143.20	120.40	155.80	161.00		
21	297.03	279.17	266.63	214.30	244.70	200.00	181.80	161.00	139.60	114.40	161.00	163.60		
22	330.46	322.10	287.00	223.40	234.40	194.80	180.50	159.70	138.40	115.60	157.10	161.00		
23	307.06	400.66	265.07	214.30	215.60	202.60	198.70	162.30	137.20	126.40	158.40	162.30		
24	290.34	375.59	263.50	224.70	237.20	206.50	205.20	149.30	138.40	121.60	153.20	163.60		
25	293.69	330.46	274.47	219.50	235.80	220.80	194.80	163.60	145.60	127.60	167.50	162.30		
26	297.03	327.11	272.90	187.00	230.20	250.97	213.00	164.90	142.00	143.20	157.10	177.90		
27	310.40	300.37	302.04	218.20	237.20	261.93	215.60	166.20	140.80	125.20	175.30	184.40		
28	318.76	293.69	303.71	220.80	238.60	255.67	211.70	161.00	138.40	130.00	187.00	181.80		
29	338.81	297.03	252.53	230.20	240.00	249.40	209.10	158.40	140.80	127.60		184.40		
30	327.11	285.43	237.20	210.40	227.40	233.00	205.20	157.10	133.60	130.00		179.20		
31		272.90		222.10	241.57		183.10		131.20	134.80		177.90		
Total	9324.84	9652.85	8172.48	6740.80	7657.17	6897.13	9319.71	5104.30	4471.50	4019.20	4194.90	5612.40	81167.28	CMSDAY
Mean	310.83	311.38	272.42	217.45	247.01	229.90	300.64	170.14	144.24	129.65	149.82	181.05	222.38	CMS
Max	360.54	400.66	303.71	235.80	327.11	287.00	989.90	220.80	159.70	144.40	219.50	214.30	989.90	CMS
Min	268.20	257.23	237.20	187.00	205.20	194.80	180.50	149.30	131.20	114.40	121.60	161.00	114.40	CMS
Runoff	805.67	834.01	706.10	582.41	661.58	595.91	805.22	441.01	386.34	347.26	362.44	484.91	7012.85	MCM
Momentary Peak	1023.05 CMS. at 28.11 m. (MSL.) at 05.00 Hours , on Oct 12, 2022													
Runoff Yield	20.86	Liters/Second/Square KM.			Momentary Peak Yield			95.98	Liters/Second/Square KM.					

WATER YEAR : 2022																		
MAE KLONG RIVER BASIN																		
Huai Lin Thin at Ban Nong Bang , Kanchanaburi (K.38A)																		
Lat 14 - 34 - 26 N Long 98 - 48 - 55 E																		
Location : on left bank at KM. 95+700 on Kanchanaburi - Thong Pha Phum Highway.																		
	Ban	Nong Bang	Amphoe	Thong Pha Phum	Changwat	Kanchanaburi												
Drainge Area	109	sq.km.																
Type of Gage	Water - stage recorder																	
Zero Gage at Bottom	+90.000	m. (MSL.)																
Bench Mark	B.M.-H.D.																	
Location BM	On left bank at the abutment of the bridge.								Elevation	+95.432 m. (MSL.)								
Gage Reading Frequency	Recording																	
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.																	
Period of Available Gage Records	2001 to date																	
Rating Operation																		
Period of Rating	2001 to date																	
Rated by Float	-																	
Rated by Current Meter	2001 to date																	
Stability of Channel Regimes	Fairly stable by some scouring.																	
Overbank Flow Conditions	No overbank flow.																	
General Description	Records good. Stage-discharge relation defined by 14 discharge measurements made in 2022.																	

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	90.76	90.73	90.82	90.87	90.80	90.98	90.87	90.80	90.69	90.62	90.72	90.63	
2	90.76	90.73	90.81	90.91	90.90	90.84	90.85	90.79	90.68	90.62	90.66	90.63	
3	90.76	90.74	90.81	90.96	90.95	90.79	91.89	90.78	90.67	90.67	90.65	90.70	
4	90.77	90.72	90.83	90.93	91.05	90.83	91.29	90.78	90.67	90.75	90.65	90.65	
5	90.75	90.71	90.84	90.90	90.97	90.86	91.20	90.77	90.67	90.74	90.66	90.65	
6	90.74	90.71	90.86	90.85	90.93	90.84	91.14	90.77	90.67	90.74	90.65	90.65	
7	90.78	90.69	90.82	90.84	90.95	90.93	91.09	90.76	90.66	90.73	90.64	90.64	
8	90.77	90.69	90.82	90.85	91.15	90.89	91.04	90.75	90.66	90.73	90.64	90.65	
9	90.78	90.69	90.81	90.85	91.36	90.85	91.10	90.75	90.66	90.72	90.66	90.65	
10	90.77	90.68	90.84	90.84	91.15	90.84	91.11	90.75	90.66	90.74	90.66	90.65	
11	90.84	90.78	90.88	90.84	91.07	90.85	91.19	90.74	90.65	90.76	90.65	90.71	
12	90.82	90.71	90.93	90.83	91.11	90.80	91.10	90.74	90.65	90.77	90.63	90.78	
13	90.76	90.70	90.92	90.92	90.93	90.79	91.04	90.73	90.65	90.77	90.63	90.79	
14	90.76	90.67	90.92	90.94	90.82	90.84	91.02	90.74	90.65	90.77	90.64	90.78	
15	90.75	90.66	90.93	90.88	90.78	90.85	91.06	90.75	90.65	90.76	90.64	90.64	
16	90.69	90.68	90.93	90.84	90.78	90.80	91.01	90.73	90.64	90.76	90.66	90.63	
17	90.76	90.66	90.93	90.93	90.79	90.79	90.97	90.73	90.64	90.75	90.66	90.62	
18	90.76	90.67	90.91	90.83	90.78	90.78	90.95	90.73	90.63	90.76	90.66	90.62	
19	90.96	90.69	90.88	90.81	90.76	90.78	90.93	90.73	90.63	90.76	90.65	90.63	
20	90.80	90.81	90.96	90.80	90.82	90.77	90.91	90.72	90.64	90.76	90.65	90.71	
21	90.75	90.89	90.96	90.78	90.83	90.78	90.90	90.71	90.64	90.75	90.64	90.72	
22	90.72	91.07	90.99	90.80	90.78	90.77	90.89	90.71	90.64	90.75	90.64	90.69	
23	90.68	90.99	90.92	90.80	90.75	90.76	90.88	90.70	90.64	90.75	90.64	90.69	
24	90.67	90.88	90.89	90.81	90.73	90.82	90.86	90.77	90.63	90.75	90.63	90.68	
25	90.66	91.00	90.93	90.82	90.72	90.86	90.85	90.78	90.63	90.75	90.61	90.68	
26	90.65	91.01	90.88	90.84	90.73	90.94	90.84	90.78	90.63	90.75	90.60	90.72	
27	90.65	90.97	90.91	90.77	90.74	90.99	90.83	90.73	90.62	90.74	90.62	90.78	
28	90.66	90.89	90.94	90.83	90.79	91.00	90.83	90.71	90.62	90.73	90.62	90.78	
29	90.80	90.85	90.86	90.82	90.85	90.95	90.82	90.69	90.62	90.73		90.78	
30	90.76	90.83	90.87	90.76	90.80	90.92	90.81	90.68	90.62	90.73		90.77	
31		90.84		90.76	90.85		90.80		90.62	90.73		90.77	
Mean	90.75	90.79	90.89	90.85	90.88	90.85	91.00	90.74	90.65	90.74	90.65	90.69	
Max	90.96	91.07	90.99	90.96	91.36	91.00	91.89	90.80	90.69	90.77	90.72	90.79	91.89
Min	90.65	90.66	90.81	90.76	90.72	90.76	90.80	90.68	90.62	90.62	90.60	90.62	90.60
Annual Max Momentary Gage Height	94.38	m. (MSL.) , at 03.00 Hours , on Oct 3, 2022											
Zero Gage at Bottom Elevation	90.00	m. (MSL.) , River Bed 90.16 m. (MSL.)											
Left Bank Elevation	95.43	m. (MSL.) ,											
Right Bank Elevation	95.44	m. (MSL.) , Drainage Are 109 Square Kilometers											

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.64	0.52	0.93	1.26	0.80	1.97	1.26	1.40	0.71	0.39	0.88	0.44		
2	0.64	0.52	0.87	1.52	1.45	1.06	1.13	1.34	0.66	0.39	0.57	0.44		
3	0.64	0.56	0.87	1.84	1.78	0.76	19.07	1.27	0.62	0.62	0.53	0.75		
4	0.68	0.48	1.00	1.65	2.58	1.00	7.21	1.27	0.62	1.08	0.53	0.53		
5	0.60	0.44	1.06	1.45	1.91	1.19	5.75	1.21	0.62	1.01	0.57	0.53		
6	0.56	0.44	1.19	1.13	1.65	1.06	4.91	1.21	0.62	1.01	0.53	0.53		
7	0.72	0.36	0.93	1.06	1.78	1.65	4.24	1.14	0.57	0.95	0.48	0.48		
8	0.68	0.36	0.93	1.13	3.53	1.39	3.66	1.08	0.57	0.95	0.48	0.53		
9	0.72	0.36	0.87	1.13	6.04	1.13	4.35	1.08	0.57	0.88	0.57	0.53		
10	0.68	0.32	1.06	1.06	3.53	1.06	4.49	1.08	0.57	1.01	0.57	0.53		
11	1.06	0.72	1.32	1.06	2.77	1.13	5.61	1.01	0.53	1.14	0.53	0.82		
12	0.93	0.44	1.65	1.00	3.15	0.80	4.35	1.01	0.53	1.21	0.44	1.27		
13	0.64	0.40	1.58	1.58	1.65	0.76	3.66	0.95	0.53	1.21	0.44	1.34		
14	0.64	0.28	1.58	1.71	0.93	1.06	3.43	1.01	0.53	1.21	0.48	1.27		
15	0.60	0.24	1.65	1.32	0.72	1.13	3.89	1.08	0.53	1.14	0.48	0.48		
16	0.36	0.32	1.65	1.06	0.72	0.80	3.32	0.95	0.48	1.14	0.57	0.44		
17	0.64	0.24	1.65	1.65	0.76	0.76	2.90	0.95	0.48	1.08	0.57	0.39		
18	0.64	0.28	1.52	1.00	0.72	0.72	2.70	0.95	0.44	1.14	0.57	0.39		
19	1.84	0.36	1.32	0.87	0.64	0.72	2.50	0.95	0.44	1.14	0.53	0.44		
20	0.80	0.87	1.84	0.80	0.93	0.68	2.30	0.88	0.48	1.14	0.53	0.82		
21	0.60	1.39	1.84	0.72	1.00	0.72	2.20	0.82	0.48	1.08	0.48	0.88		
22	0.48	2.77	2.04	0.80	0.72	0.68	2.12	0.82	0.48	1.08	0.48	0.71		
23	0.32	2.04	1.58	0.80	0.60	0.64	2.04	0.75	0.48	1.08	0.48	0.71		
24	0.28	1.32	1.39	0.87	0.52	0.93	1.88	1.21	0.44	1.08	0.44	0.66		
25	0.24	2.10	1.65	0.93	0.48	1.19	1.80	1.27	0.44	1.08	0.35	0.66		
26	0.20	2.20	1.32	1.06	0.52	1.71	1.72	1.27	0.44	1.08	0.30	0.88		
27	0.20	1.91	1.52	0.68	0.56	2.04	1.64	0.95	0.39	1.01	0.39	1.27		
28	0.24	1.39	1.71	1.00	0.76	2.10	1.64	0.82	0.39	0.95	0.39	1.27		
29	0.80	1.13	1.19	0.93	1.13	1.78	1.56	0.71	0.39	0.95		1.27		
30	0.64	1.00	1.26	0.64	0.80	1.58	1.48	0.66	0.39	0.95		1.21		
31		1.06		0.64	1.13		1.40		0.39	0.95		1.21		
Total	18.71	26.82	40.97	34.35	46.26	34.20	110.21	31.10	15.81	31.13	14.16	23.68	427.40	CMSDAY
Mean	0.62	0.87	1.37	1.11	1.49	1.14	3.56	1.04	0.51					

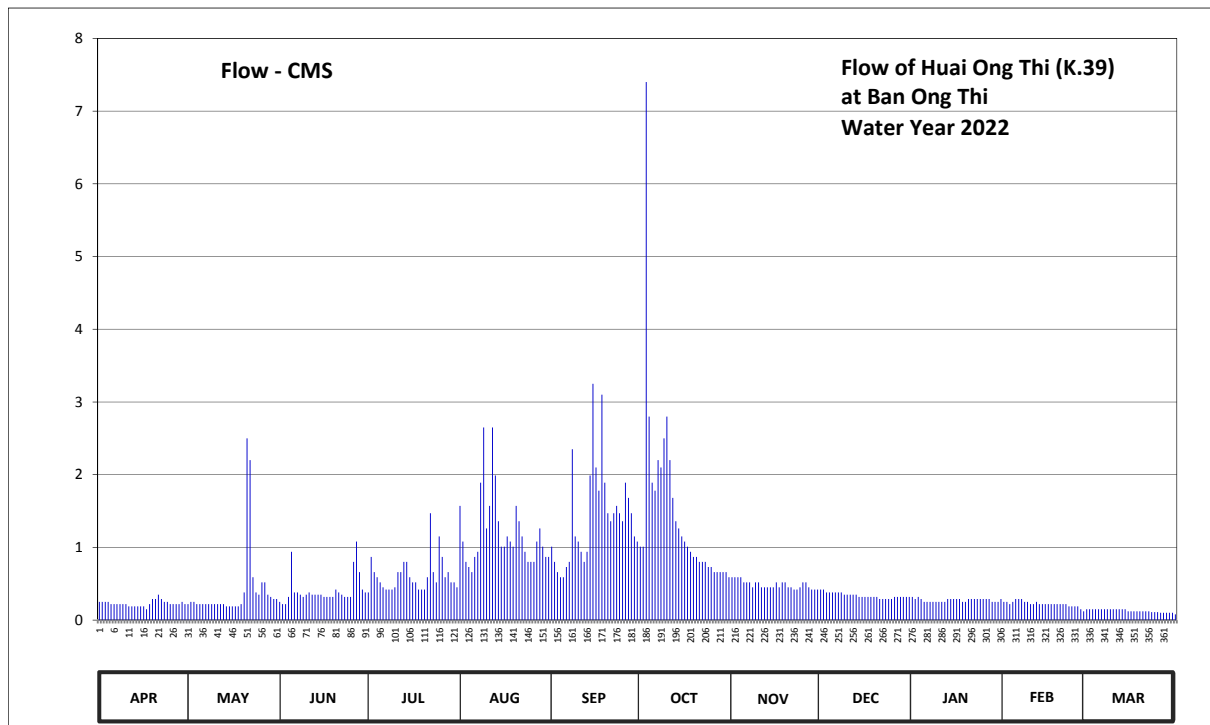
Lat 14 - 42 - 14 N Long 98 - 40 - 02 E

Location : on right bank at KM. 121+600 on Kanchanaburi - Thong Pha Phum Highway.

	Ban	Ong Thi	Amphoe	Thong Pha Phum	Changwat	Kanchanaburi
Drainage Area	52	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+81.800	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 16 meters from the third staff gage.				Elevation	+90.228 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1984 to date					
Rating Operation						
Period of Rating	1985 - 1990 , 1996 to date					
Rated by Float	-					
Rated by Current Meter	1985 - 1990 , 1996 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 9 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	81.94	81.93	81.94	81.98	82.14	82.08	82.08	82.02	81.99	81.96	81.94	81.91	
2	81.94	81.94	81.93	82.06	82.09	82.05	82.08	82.02	81.99	81.95	81.94	81.91	
3	81.94	81.94	81.93	82.03	82.05	82.03	82.50	82.02	81.98	81.96	81.93	81.91	
4	81.94	81.93	81.96	82.02	82.04	82.02	82.24	82.02	81.98	81.95	81.94	81.91	
5	81.93	81.93	82.07	82.01	82.03	82.02	82.17	82.01	81.98	81.94	81.95	81.91	
6	81.93	81.93	81.98	82.00	82.06	82.04	82.16	82.01	81.98	81.94	81.95	81.91	
7	81.93	81.93	81.98	81.99	82.07	82.05	82.20	82.01	81.98	81.94	81.95	81.91	
8	81.93	81.93	81.97	81.99	82.17	82.21	82.19	82.00	81.98	81.94	81.94	81.91	
9	81.93	81.93	81.96	81.99	82.23	82.10	82.22	82.01	81.97	81.94	81.94	81.91	
10	81.93	81.93	81.97	82.00	82.11	82.09	82.24	82.01	81.97	81.94	81.93	81.91	
11	81.92	81.93	81.98	82.03	82.14	82.07	82.20	82.00	81.97	81.94	81.93	81.91	
12	81.92	81.93	81.97	82.03	82.23	82.05	82.15	82.00	81.97	81.94	81.94	81.91	
13	81.92	81.93	81.97	82.05	82.18	82.07	82.12	82.00	81.97	81.95	81.93	81.91	
14	81.92	81.92	81.97	82.05	82.12	82.18	82.11	82.00	81.96	81.95	81.93	81.91	
15	81.92	81.92	81.97	82.02	82.08	82.27	82.10	82.00	81.96	81.95	81.93	81.90	
16	81.92	81.92	81.96	82.01	82.08	82.19	82.09	82.01	81.96	81.95	81.93	81.90	
17	81.91	81.92	81.96	82.01	82.10	82.16	82.08	82.00	81.96	81.95	81.93	81.90	
18	81.93	81.92	81.96	81.99	82.09	82.26	82.07	82.01	81.96	81.94	81.93	81.90	
19	81.95	81.93	81.96	81.99	82.08	82.17	82.06	82.01	81.96	81.94	81.93	81.90	
20	81.95	81.98	81.99	81.99	82.14	82.13	82.06	82.00	81.96	81.95	81.93	81.90	
21	81.97	82.22	81.98	82.02	82.12	82.12	82.05	82.00	81.95	81.95	81.93	81.90	
22	81.95	82.20	81.97	82.13	82.10	82.13	82.05	81.99	81.95	81.95	81.93	81.90	
23	81.94	82.02	81.96	82.03	82.07	82.14	82.05	81.99	81.95	81.95	81.92	81.89	
24	81.94	81.98	81.96	82.01	82.05	82.13	82.04	82.00	81.95	81.95	81.92	81.89	
25	81.93	81.97	81.96	82.10	82.05	82.12	82.04	82.01	81.95	81.95	81.92	81.89	
26	81.93	82.01	82.05	82.06	82.05	82.17	82.03	82.01	81.96	81.95	81.92	81.88	
27	81.93	82.01	82.09	82.02	82.09	82.15	82.03	82.00	81.96	81.95	81.91	81.88	
28	81.93	81.97	82.03	82.03	82.11	82.13	82.03	81.99	81.96	81.94	81.90	81.88	
29	81.94	81.96	81.99	82.01	82.08	82.10	82.03	81.99	81.96	81.94		81.88	
30	81.93	81.95	81.98	82.01	82.06	82.09	82.03	81.99	81.96	81.94		81.88	
31		81.95		82.00	82.06		82.02		81.96	81.95		81.87	
Mean	81.93	81.96	81.98	82.02	82.10	82.12	82.11	82.00	81.97	81.95	81.93	81.90	
Max	81.97	82.22	82.09	82.13	82.23	82.27	82.50	82.02	81.99	81.96	81.95	81.91	82.50
Min	81.91	81.92	81.93	81.98	82.03	82.02	82.02	81.99	81.95	81.94	81.90	81.87	81.87
Annual Max Momentary Gage Height	83.19		m. (MSL) , at 15.00 Hours , on Sep 8, 2022										
Zero Gage at Bottom Elevation	81.80		m. (MSL) , River Bed 81.58 m. (MSL.)										
Left Bank Elevation	90.29		m. (MSL) ,										
Right Bank Elevation	90.25		m. (MSL) , Drainage Are 52 Square Kilometers										



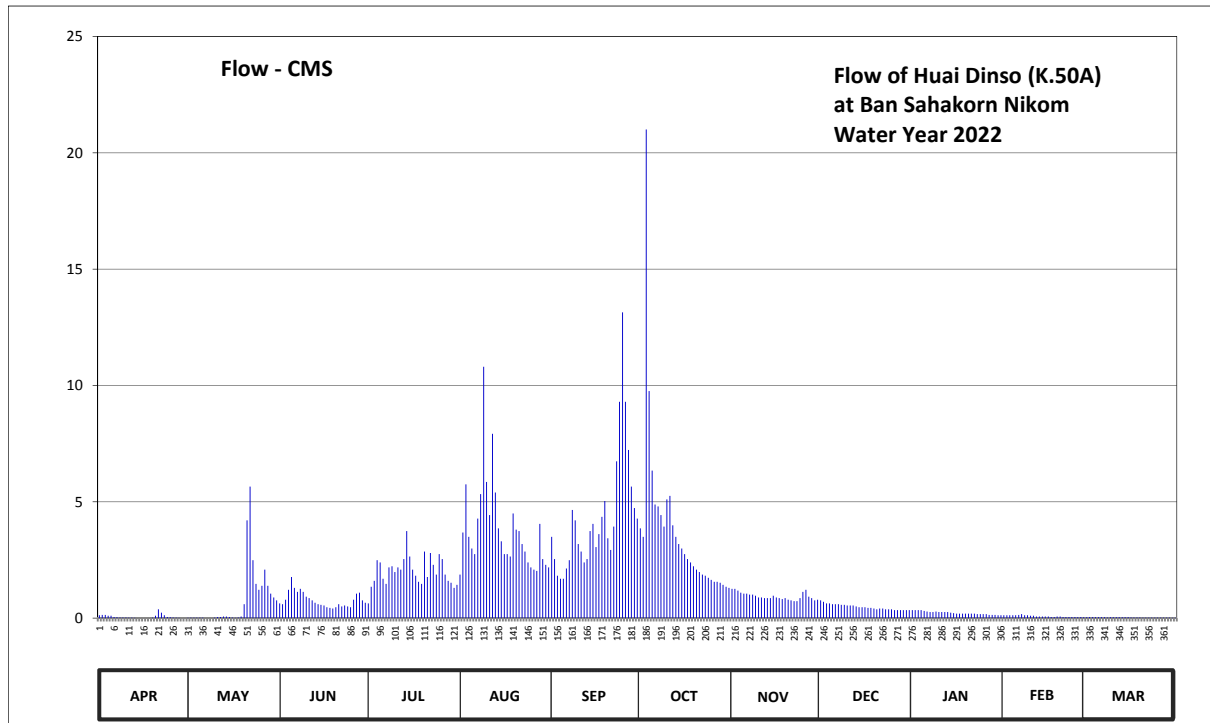
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.25	0.22	0.25	0.38	1.57	1.01	1.01	0.59	0.42	0.32	0.25	0.15		
2	0.25	0.25	0.22	0.87	1.08	0.80	1.01	0.59	0.42	0.29	0.25	0.15		
3	0.25	0.25	0.22	0.66	0.80	0.66	7.40	0.59	0.38	0.32	0.22	0.15		
4	0.25	0.22	0.32	0.59	0.73	0.59	2.80	0.59	0.38	0.29	0.25	0.15		
5	0.22	0.22	0.94	0.52	0.66	0.59	1.89	0.52	0.38	0.25	0.29	0.15		
6	0.22	0.22	0.38	0.45	0.87	0.73	1.78	0.52	0.38	0.25	0.29	0.15		
7	0.22	0.22	0.38	0.42	0.94	0.80	2.20	0.52	0.38	0.25	0.29	0.15		
8	0.22	0.22	0.35	0.42	1.89	2.35	2.10	0.45	0.38	0.25	0.25	0.15		
9	0.22	0.22	0.32	0.42	2.65	1.15	2.50	0.52	0.35	0.25	0.25	0.15		
10	0.22	0.22	0.35	0.45	1.26	1.08	2.80	0.52	0.35	0.25	0.22	0.15		
11	0.19	0.22	0.38	0.66	1.57	0.94	2.20	0.45	0.35	0.25	0.22	0.15		
12	0.19	0.22	0.35	0.66	2.65	0.80	1.68	0.45	0.35	0.25	0.25	0.15		
13	0.19	0.22	0.35	0.80	1.99	0.94	1.36	0.45	0.35	0.29	0.22	0.15		
14	0.19	0.19	0.35	0.80	1.36	1.99	1.26	0.45	0.32	0.29	0.22	0.15		
15	0.19	0.19	0.35	0.59	1.01	3.25	1.15	0.45	0.32	0.29	0.22	0.12		
16	0.19	0.19	0.32	0.52	1.01	2.10	1.08	0.52	0.32	0.29	0.22	0.12		
17	0.15	0.19	0.32	0.52	1.15	1.78	1.01	0.45	0.32	0.29	0.22	0.12		
18	0.22	0.19	0.32	0.42	1.08	3.10	0.94	0.52	0.32	0.25	0.22	0.12		
19	0.29	0.22	0.32	0.42	1.01	1.89	0.87	0.52	0.32	0.25	0.22	0.12		
20	0.29	0.38	0.42	0.42	1.57	1.47	0.87	0.45	0.32	0.29	0.22	0.12		
21	0.35	2.50	0.38	0.59	1.36	1.36	0.80	0.45	0.29	0.29	0.22	0.12		
22	0.29	2.20	0.35	1.47	1.15	1.47	0.80	0.42	0.29	0.29	0.22	0.12		
23	0.25	0.59	0.32	0.66	0.94	1.57	0.80	0.42	0.29	0.29	0.19	0.11		
24	0.25	0.38	0.32	0.52	0.80	1.47	0.73	0.45	0.29	0.29	0.19	0.11		
25	0.22	0.35	0.32	1.15	0.80	1.36	0.73	0.52	0.29	0.29	0.19	0.11		
26	0.22	0.52	0.80	0.87	0.80	1.89	0.66	0.52	0.32	0.29	0.19	0.10		
27	0.22	0.52	1.08	0.59	1.08	1.68	0.66	0.45	0.32	0.29	0.15	0.10		
28	0.22	0.35	0.66	0.66	1.26	1.47	0.66	0.42	0.32	0.25	0.12	0.10		
29	0.25	0.32	0.42	0.52	1.01	1.15	0.66	0.42	0.32	0.25		0.10		
30	0.22	0.29	0.38	0.52	0.87	1.08	0.66	0.42	0.32	0.25		0.10		
31		0.29		0.45	0.87		0.59		0.32	0.29		0.08		
Total	6.90	12.78	12.24	18.99	37.79	42.52	45.66	14.61	10.48	8.53	6.26	3.97	220.73	CMSDAY
Mean	0.23	0.41	0.41	0.61	1.22	1.42	1.47	0.49	0.34	0.28	0.22	0.13	0.60	CMS
Max	0.35	2.50	1.08	1.47	2.65	3.25	7.40	0.59	0.42	0.32	0.29	0.15	7.40	CMS
Min	0.15	0.19	0.22	0.38	0.66	0.59	0.59	0.42	0.29	0.25	0.12	0.08	0.08	CMS
Runoff	0.60	1.10	1.06	1.64	3.27	3.67	3.95	1.26	0.91	0.74	0.54	0.34	19.07	MCM
Momentary Peak	24.23	CMS. at 83.19 m. (MSL.) at 15.00 Hours , on Sep 8, 2022												
Runoff Yield	11.63	Liters/Second/Square KM.				Momentary Peak Yield				465.96	Liters/Second/Square KM.			

Lat 14 - 40 - 37 N Long 98 - 42 - 53 E

	Ban	Sahakorn Nikom	Amphoe	Thong Pha Phum	Changwat	Kanchanaburi
Drainage Area	121	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+125.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the abutment of the bridge.				Elevation	+129.409 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1992 to date					
Rating Operation						
Period of Rating	1992-2014 , 2020 to date					
Rated by Float	-					
Rated by Current Meter	1992-2014 , 2020 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 22 discharge measurements made in 2022.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	125.33	125.26	125.51	125.51	125.82	126.11	126.17	125.68	125.55	125.42	125.33	125.29	
2	125.34	125.27	125.50	125.70	126.14	125.95	126.11	125.68	125.53	125.42	125.33	125.30	
3	125.34	125.27	125.56	125.76	126.42	125.81	127.54	125.66	125.51	125.42	125.33	125.30	
4	125.32	125.27	125.67	125.94	126.11	125.78	126.82	125.64	125.51	125.42	125.33	125.29	
5	125.32	125.27	125.80	125.92	126.03	125.78	126.48	125.63	125.50	125.41	125.33	125.29	
6	125.30	125.27	125.69	125.78	125.99	125.87	126.31	125.63	125.50	125.40	125.34	125.29	
7	125.29	125.25	125.65	125.73	126.23	125.94	126.30	125.62	125.50	125.39	125.35	125.29	
8	125.28	125.24	125.68	125.88	126.37	126.28	126.25	125.62	125.49	125.39	125.33	125.28	
9	125.28	125.25	125.65	125.89	126.90	126.22	126.18	125.61	125.49	125.40	125.33	125.29	
10	125.28	125.27	125.60	125.84	126.43	126.06	126.34	125.59	125.48	125.39	125.32	125.29	
11	125.27	125.30	125.58	125.88	126.25	126.01	126.36	125.59	125.48	125.39	125.32	125.29	
12	125.27	125.30	125.55	125.86	126.64	125.92	126.19	125.58	125.48	125.39	125.31	125.29	
13	125.26	125.31	125.52	125.95	126.38	125.95	126.11	125.58	125.47	125.39	125.31	125.29	
14	125.25	125.31	125.50	126.15	126.17	126.15	126.06	125.58	125.46	125.38	125.31	125.29	
15	125.25	125.30	125.49	125.97	126.08	126.20	126.03	125.61	125.46	125.37	125.31	125.29	
16	125.24	125.28	125.48	125.86	125.99	126.04	125.99	125.59	125.46	125.36	125.31	125.28	
17	125.24	125.26	125.46	125.81	125.99	126.13	125.95	125.58	125.45	125.36	125.30	125.28	
18	125.24	125.28	125.45	125.75	125.97	126.24	125.92	125.57	125.45	125.36	125.30	125.28	
19	125.27	125.31	125.44	125.73	126.26	126.33	125.89	125.58	125.44	125.36	125.31	125.28	
20	125.32	125.50	125.46	126.01	126.16	126.10	125.86	125.56	125.43	125.36	125.31	125.27	
21	125.43	126.22	125.50	125.80	126.15	126.02	125.84	125.55	125.44	125.36	125.30	125.27	
22	125.38	126.41	125.47	126.00	126.06	126.18	125.82	125.54	125.44	125.36	125.30	125.27	
23	125.33	125.94	125.48	125.90	126.01	126.52	125.81	125.54	125.43	125.35	125.30	125.27	
24	125.30	125.73	125.47	125.82	125.92	126.78	125.79	125.58	125.43	125.35	125.30	125.27	
25	125.29	125.67	125.46	125.99	125.88	127.08	125.77	125.65	125.43	125.35	125.30	125.27	
26	125.28	125.71	125.56	125.95	125.86	126.78	125.75	125.67	125.42	125.35	125.29	125.27	
27	125.27	125.86	125.63	125.82	125.85	126.57	125.75	125.60	125.42	125.34	125.30	125.27	
28	125.26	125.71	125.64	125									



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.12	0.01	0.63	0.63	1.87	3.49	3.86	1.26	0.76	0.34	0.12	0.04	
2	0.14	0.02	0.60	1.35	3.68	2.54	3.49	1.26	0.70	0.34	0.12	0.05	
3	0.14	0.02	0.79	1.60	5.75	1.82	21.00	1.18	0.63	0.34	0.12	0.05	
4	0.10	0.02	1.22	2.49	3.49	1.69	9.76	1.09	0.63	0.34	0.12	0.04	
5	0.10	0.02	1.77	2.39	2.99	1.69	6.34	1.05	0.60	0.31	0.12	0.04	
6	0.05	0.02	1.30	1.69	2.75	2.13	4.88	1.05	0.60	0.28	0.14	0.04	
7	0.04	0.00	1.13	1.47	4.28	2.49	4.80	1.01	0.60	0.26	0.17	0.04	
8	0.03	0.00	1.26	2.18	5.33	4.65	4.43	1.01	0.57	0.26	0.12	0.03	
9	0.03	0.00	1.13	2.23	10.80	4.20	3.93	0.96	0.57	0.28	0.12	0.04	
10	0.03	0.02	0.92	1.98	5.85	3.18	5.10	0.89	0.54	0.26	0.10	0.04	
11	0.02	0.05	0.86	2.18	4.43	2.86	5.25	0.89	0.54	0.26	0.10	0.04	
12	0.02	0.05	0.76	2.08	7.92	2.39	3.99	0.86	0.54	0.26	0.07	0.04	
13	0.01	0.07	0.66	2.54	5.40	2.54	3.49	0.86	0.50	0.26	0.07	0.04	
14	0.00	0.07	0.60	3.74	3.86	3.74	3.18	0.86	0.47	0.23	0.07	0.04	
15	0.00	0.05	0.57	2.65	3.30	4.05	2.99	0.96	0.47	0.21	0.07	0.04	
16	0.00	0.03	0.54	2.08	2.75	3.05	2.75	0.89	0.47	0.19	0.07	0.03	
17	0.00	0.01	0.47	1.82	2.75	3.61	2.54	0.86	0.44	0.19	0.05	0.03	
18	0.00	0.03	0.44	1.56	2.65	4.35	2.39	0.82	0.44	0.19	0.05	0.03	
19	0.02	0.07	0.41	1.47	4.50	5.03	2.23	0.86	0.41	0.19	0.07	0.03	
20	0.10	0.60	0.47	2.86	3.80	3.43	2.08	0.79	0.38	0.19	0.07	0.02	
21	0.38	4.20	0.60	1.77	3.74	2.93	1.98	0.76	0.41	0.19	0.05	0.02	
22	0.23	5.65	0.50	2.80	3.18	3.93	1.87	0.73	0.41	0.19	0.05	0.02	
23	0.12	2.49	0.54	2.29	2.86	6.74	1.82	0.73	0.38	0.17	0.05	0.02	
24	0.05	1.47	0.50	1.87	2.39	9.30	1.73	0.86	0.38	0.17	0.05	0.02	
25	0.04	1.22	0.47	2.75	2.18	13.14	1.64	1.13	0.38	0.17	0.05	0.02	
26	0.03	1.39	0.79	2.54	2.08	9.30	1.56	1.22	0.34	0.17	0.04	0.02	
27	0.02	2.08	1.05	1.87	2.03	7.23	1.56	0.92	0.34	0.14	0.05	0.02	
28	0.01	1.39	1.09	1.60	4.05	5.65	1.52	0.86	0.34	0.14	0.04	0.02	
29	0.00	1.05	0.76	1.52	2.54	4.73	1.43	0.76	0.34	0.14		0.02	
30	0.00	0.89	0.66	1.30	2.29	4.28	1.35	0.79	0.34	0.12		0.01	
31		0.76		1.43	2.18		1.30		0.34	0.12		0.01	
Total	1.83	23.75	23.49	62.73	117.67	130.16	116.24	28.17	14.86	6.90	2.32	0.95	529.07 CMSDAY
Mean	0.06	0.77	0.78	2.02	3.80	4.34	3.75	0.94	0.48	0.22	0.08	0.03	1.45 CMS
Max	0.38	5.65	1.77	3.74	10.80	13.14	21.00	1.26	0.76	0.34	0.17	0.05	21.00 CMS
Min	0.00	0.00	0.41	0.63	1.87	1.69	1.30	0.73	0.34	0.12	0.04	0.01	0.00 CMS
Runoff	0.16	2.05	2.03	5.42	10.17	11.25	10.04	2.43	1.28	0.60	0.20	0.08	45.71 MCM
Momentary Peak	43.35 CMS. at 128.35 m. (MSL.) at 06.00 Hours , on Oct 3, 2022												
Runoff Yield	11.98	Liters/Second/Square KM.		Momentary Peak Yield		358.26	Liters/Second/Square KM.						

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Khwaee Noi River at Ban Lin Thin , Kanchanaburi (K.54)**

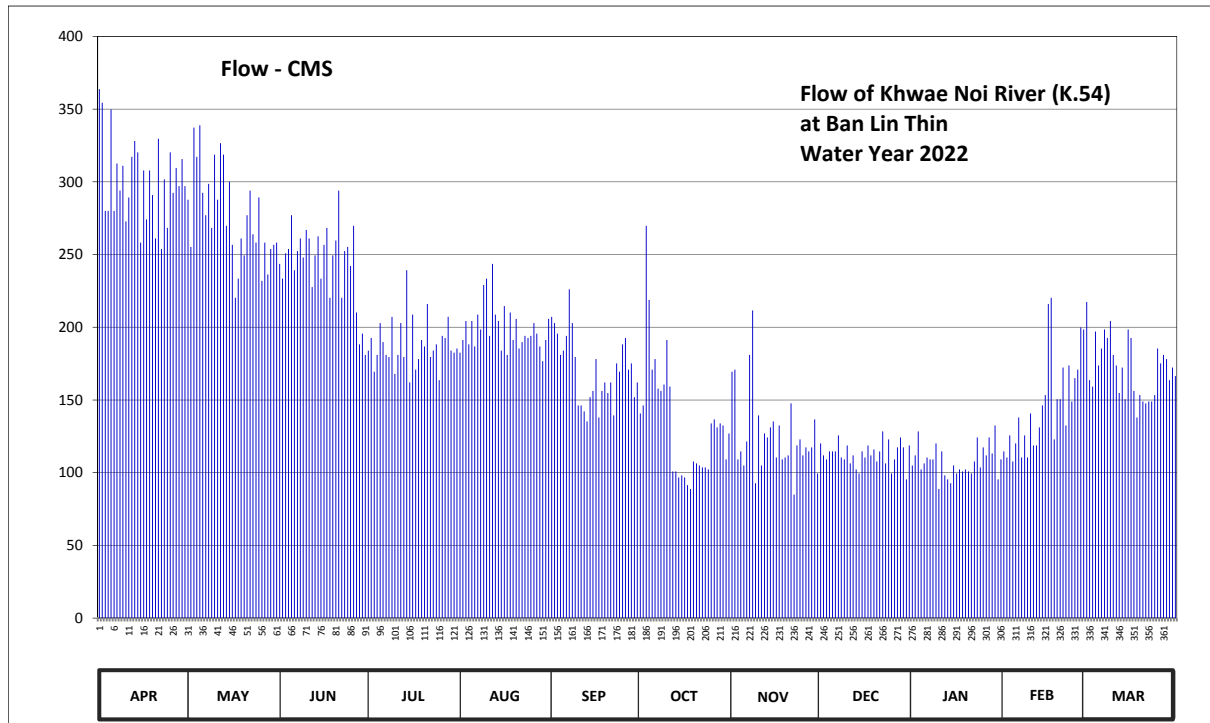
Lat 14 - 32 - 09 N Long 98 - 47 - 16 E

Location : on right bank at the bridge on road.

	Ban	Lin Thin	Amphoe	Thong Pha Phum	Changwat	Kanchanaburi
Drainage Area	4,785	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+60.600	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 40 meters from the gage observer's house.				Elevation	+74.394 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1996 to date					
Rating Operation						
Period of Rating	1996 to date					
Rated by Float	-					
Rated by Current Meter	1996 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow regulated by Khao Laem Dam.					
	Stage-discharge relation defined by 23 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	64.44	63.95	63.65	63.24	63.23	63.40	62.94	63.14	62.79	62.68	62.75	63.47	
2	64.38	63.73	63.58	63.30	63.29	63.37	62.98	63.15	62.73	62.73	62.72	63.10	
3	63.90	64.27	63.70	63.14	63.38	63.32	63.83	62.71	62.71	62.85	62.83	63.07	
4	63.90	64.14	63.72	63.22	63.27	63.22	63.48	62.75	62.75	62.66	62.70	63.33	
5	64.35	64.28	63.88	63.37	63.38	63.24	63.15	62.68	62.75	62.69	62.79	63.17	
6	63.90	63.98	63.62	63.28	63.26	63.31	63.20	62.80	62.75	62.72	62.92	63.25	
7	64.11	63.88	63.71	63.22	63.41	63.53	63.06	63.22	62.83	62.71	62.72	63.34	
8	63.99	64.02	63.77	63.21	63.34	63.37	63.05	63.43	62.72	62.71	62.83	63.30	
9	64.10	63.82	63.68	63.40	63.55	63.21	63.08	62.59	62.71	62.79	62.72	63.38	
10	63.85	64.15	63.81	63.13	63.58	62.98	63.29	62.93	62.78	62.56	62.94	63.22	
11	63.96	63.95	63.77	63.22	63.31	62.98	63.07	62.68	62.69	62.75	62.78	63.17	
12	64.14	64.20	63.54	63.37	63.65	62.95	62.65	62.84	62.73	62.63	62.78	63.04	
13	64.21	64.15	63.69	63.21	63.41	62.90	62.65	62.82	62.66	62.61	62.87	63.16	
14	64.16	63.83	63.78	63.62	63.38	63.02	62.62	62.87	62.64	62.59	62.98	63.01	
15	63.75	64.03	63.58	63.09	63.24	63.05	62.63	62.90	62.75	62.68	63.03	63.34	
16	64.08	63.74	63.74	63.41	63.45	63.20	62.62	62.72	62.72	62.64	63.46	63.30	
17	63.86	63.49	63.82	63.15	63.22	62.92	62.58	62.88	62.78	62.66	63.49	63.05	
18	64.08	63.58	63.49	63.20	63.42	63.05	62.56	62.71	62.73	62.65	62.81	62.92	
19	63.97	63.77	63.69	63.29	63.29	63.09	62.70	62.72	62.76	62.66	63.01	63.03	
20	63.77	63.69	63.76	63.26	63.39	63.04	62.69	62.73	62.70	62.65	63.01	63.00	
21	64.22	63.88	63.99	63.46	63.25	63.09	62.68	62.99	62.75	62.64	63.16	62.99	
22	63.72	63.99	63.49	63.21	63.28	62.93	62.67	62.53	62.85	62.70	62.88	63.00	
23	64.04	63.79	63.71	63.24	63.31	63.18	62.67	62.78	62.69	62.82	63.17	63.00	
24	63.82	63.75	63.73	63.27	63.30	63.14	62.66	62.81	62.81	62.67	63.00	63.03	
25	64.16	63.96	63.64	63.10	63.31	63.27	62.89	62.73	62.64	62.77	63.11	63.25	
26	63.98	63.57	63.83	63.31	63.37	63.30	62.91	62.77	62.71	62.73	63.15	63.18	
27	64.09	63.75	63.42	63.30	63.32	63.15	62.87	62.75	62.77	62.82	63.35	63.22	
28	64.01	63.60	63.27	63.40	63.26	63.18	62.89	62.77	62.82	62.74	63.34	63.20	
29	64.13	63.72	63.32	63.24	63.19	63.02	62.88	62.91	62.77	62.88		63.10	
30	64.01	63.74	63.22	63.23	63.29	63.09	62.71	62.64	62.61	62.61		63.16	
31		63.75		63.25	63.39		62.84		62.78	62.71		63.12	
Mean	64.04	63.88	63.65	63.27	63.35	63.15	62.89	62.83	62.74	62.70	62.98	63.16	
Max	64.44	64.28	63.99	63.62	63.65	63.53	63.83	63.43	62.85	62.88	63.49	63.47	64.44
Min	63.72	63.49	63.22	63.09	63.19	62.90	62.56	62.53	62.61	62.56	62.70	62.92	62.53
Annual Max Momentary Gage Height	65.28	m. (MSL.) ,		at 03.00 Hours , on Apr 2, 2022									
Zero Gage at Bottom Elevation	60.60	m. (MSL.) ,		River Bed		60.32	m. (MSL.)						
Left Bank Elevation	68.57	m. (MSL.) ,											
Right Bank Elevation	75.78	m. (MSL.) ,		Drainage Are		4,785	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	363.70	287.75	243.61	183.93	182.48	207.22	140.75	169.38	120.13	105.00	114.63	217.41		
2	354.40	255.26	233.42	192.67	191.21	202.86	146.25	170.83	111.88	111.88	110.50	163.56		
3	280.00	337.35	250.89	169.38	204.31	195.58	269.81	109.13	109.13	128.38	125.63	159.19		
4	280.00	317.20	253.80	181.02	188.30	181.02	218.87	114.63	114.63	102.25	107.75	197.03		
5	349.75	338.90	277.09	202.86	204.31	183.93	170.83	105.00	114.63	106.38	120.13	173.74		
6	280.00	292.40	239.24	189.76	186.84	194.12	178.11	121.50	114.63	110.50	138.00	185.39		
7	312.55	277.09	252.34	181.02	208.68	226.14	157.73	181.02	125.63	109.13	110.50	198.49		
8	293.95	298.60	261.08	179.57	198.49	202.86	156.28	211.59	110.50	109.13	125.63	192.67		
9	311.00	268.36	247.98	207.22	229.06	179.57	160.64	92.70	109.13	120.13	110.50	204.31		
10	272.72	318.75	266.90	167.92	233.42	146.25	191.21	139.38	118.75	88.80	140.75	181.02		
11	289.30	287.75	261.08	181.02	194.12	146.25	159.19	105.00	106.38	114.63	118.75	173.74		
12	317.20	326.50	227.60	202.86	243.61	142.13	100.88	127.00	111.88	98.13	118.75	154.82		
13	328.05	318.75	249.43	179.57	208.68	135.25	100.88	124.25	102.25	95.38	131.13	172.29		
14	320.30	269.81	262.53	239.24	204.31	151.91	96.75	131.13	99.50	92.70	146.25	150.46		
15	258.17	300.15	233.42	162.10	183.93	156.28	98.13	135.25	114.63	105.00	153.37	198.49		
16	307.90	256.71	256.71	208.68	214.50	178.11	96.75	110.50	110.50	99.50	215.96	192.67		
17	274.18	220.32	268.36	170.83	181.02	138.00	91.40	132.50	118.75	102.25	220.32	156.28		
18	307.90	233.42	220.32	178.11	210.13	156.28	88.80	109.13	111.88	100.88	122.88	138.00		
19	290.85	261.08	249.43	191.21	191.21	162.10	107.75	110.50	116.00	102.25	150.46	153.37		
20	261.08	249.43	259.62	186.84	205.77	154.82	106.38	111.88	107.75	100.88	150.46	149.00		
21	329.60	277.09	293.95	215.96	185.39	162.10	105.00	147.63	114.63	99.50	172.29	147.63		
22	253.80	293.95	220.32	179.57	189.76	139.38	103.63	84.90	128.38	107.75	132.50	149.00		
23	301.70	263.99	252.34	183.93	194.12	175.20	103.63	118.75	106.38	124.25	173.74	149.00		
24	268.36	258.17	255.26	188.30	192.67	169.38	102.25	122.88	122.88	103.63	149.00	153.37		
25	320.30	289.30	242.16	163.56	194.12	188.30	133.88	111.88	99.50	117.38	165.01	185.39		
26	292.40	231.97	269.81	194.12	202.86	192.67	136.63	117.38	109.13	111.88	170.83	175.20		
27	309.45	258.17	210.13	192.67	195.58	170.83	131.13	114.63	117.38	124.25	199.94	181.02		
28	297.05	236.33	188.30	207.22	186.84	175.20	133.88	117.38	124.25	113.25	198.49	178.11		
29	315.65	253.80	195.58	183.93	176.66	151.91	132.50	136.63	117.38	132.50		163.56		
30	297.05	256.71	181.02	182.48	191.21	162.10	109.13	99.50	95.38	95.38		172.29		
31		258.17		185.39	205.77		127.00		118.75	109.13		166.47		
Total	9038.36	8593.23	7323.72	5832.94	6179.36	5127.75	4156.05	3783.86	3502.60	3342.08	4094.15	5332.97	66307.07	CMSDAY
Mean	301.28	277.20	244.12	188.16	199.33	170.93	134.07	126.13	112.99	107.81	146.22	172.03	181.66	CMS
Max	363.70	338.90	293.95	239.24	243.61	226.14	269.81	211.59	128.38	132.50	220.32	217.41	363.70	CMS
Min	253.80	220.32	181.02	162.10	176.66	135.25	88.80	84.90	95.38	88.80	107.75	138.00	84.90	CMS
Runoff	780.91	742.46	632.77	503.97	533.90	443.04	359.08	326.93	302.62	288.76	353.73	460.77	5728.93	MCM
Momentary Peak	498.20	CMS.	at 65.28 m. (MSL.) at 03.00 Hours , on Apr 2, 2022											
Runoff Yield	37.97	Liters/Second/Square KM.				Momentary Peak Yield	104.12	Liters/Second/Square KM.						

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Mae Klong River at Khai Luang Bridge, Ratchaburi (K.55A)**

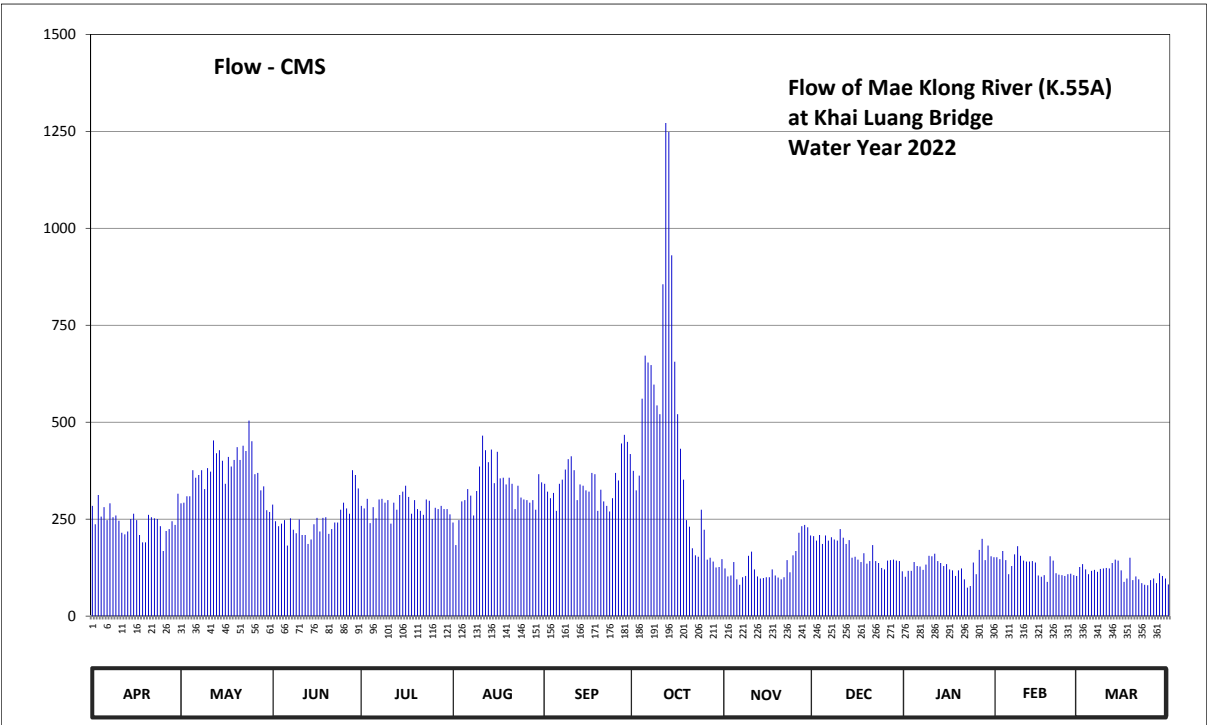
Lat 13 - 49 - 07 N Long 99 - 51 - 53 E

Location : on right bank at the bridge on road.

	Ban	Khai Luang Bridge	Amphoe	Ban Pong	Changwat	Ratchaburi
Drainge Area	25,842	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank at the abutment of the bridge.				Elevation	+12.065 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2018 to date					
Rating Operation						
Period of Rating	2018 to date					
Rated by Float	-					
Rated by Current Meter	2018 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow regulated by Khao Laem Dam.					
	Stage-discharge relation defined by 36 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.25	3.29	3.27	3.25	2.97	3.59	3.78	2.12	2.74	1.94	2.35	2.15	
2	2.94	3.30	2.99	3.21	2.58	3.47	3.49	1.95	2.66	2.07	2.31	2.21	
3	3.42	3.40	2.91	3.36	3.01	3.37	3.71	1.97	2.76	2.07	2.47	2.10	
4	3.07	3.40	2.95	2.96	3.32	3.45	4.71	2.25	2.60	2.25	2.29	2.00	
5	3.23	3.79	3.01	3.23	3.34	3.17	5.22	1.88	2.75	2.17	2.00	2.07	
6	3.01	3.68	2.57	3.04	3.51	3.59	5.14	1.75	2.66	2.16	2.17	2.09	
7	3.29	3.72	3.04	3.35	3.41	3.65	5.11	1.93	2.72	2.09	2.41	2.05	
8	3.06	3.79	2.85	3.36	3.09	3.80	4.88	1.96	2.68	2.20	2.56	2.11	
9	3.09	3.51	2.79	3.30	3.48	3.94	4.63	2.38	2.66	2.38	2.38	2.12	
10	3.00	3.82	3.02	3.34	3.84	3.98	4.52	2.46	2.86	2.37	2.28	2.13	
11	2.80	3.77	2.76	2.95	4.25	3.79	5.99	2.10	2.71	2.42	2.26	2.12	
12	2.77	4.19	2.76	3.30	4.06	3.34	7.53	1.95	2.60	2.27	2.26	2.23	
13	2.82	4.02	2.60	3.19	3.90	3.58	7.45	1.90	2.67	2.23	2.27	2.30	
14	3.03	4.06	2.68	3.42	4.07	3.56	6.29	1.91	2.34	2.17	2.24	2.28	
15	3.12	3.92	2.94	3.47	3.60	3.49	5.15	1.93	2.36	2.21	1.97	2.08	
16	3.01	3.59	3.05	3.56	4.04	3.47	4.52	1.93	2.30	2.10	1.94	1.82	
17	2.76	3.97	2.82	3.39	3.67	3.75	4.08	2.10	2.25	2.08	1.98	1.90	
18	2.63	3.84	3.05	3.12	3.68	3.73	3.65	1.97	2.43	1.96	1.82	2.34	
19	2.63	3.93	3.06	3.34	3.58	3.17	3.01	1.92	2.22	2.08	2.37	1.86	
20	3.10	4.10	2.78	3.20	3.68	3.50	2.90	1.88	2.27	2.12	2.28	1.95	
21	3.06	3.93	2.86	3.17	3.59	3.32	2.52	1.93	2.58	1.88	2.02	1.88	
22	3.04	4.12	2.97	3.10	3.20	3.25	2.39	2.29	2.27	1.68	1.99	1.79	
23	3.03	4.05	2.97	3.35	3.56	3.16	2.36	2.04	2.23	1.72	1.98	1.75	
24	2.91	4.44	3.19	3.33	3.38	3.37	3.19	2.39	2.13	2.24	1.96	1.74	
25	2.47	4.18	3.30	3.03	3.35	3.75	2.85	2.47	2.10	2.00	2.00	1.86	
26	2.83	3.73	3.21	3.22	3.34	3.64	2.30	2.80	2.28	2.49	2.01	1.90	
27	2.86	3.75	3.12	3.20	3.30	4.15	2.34	2.91	2.29	2.69	1.98	1.79	
28	2.99	3.49	3.79	3.25	3.34	4.26	2.26	2.93	2.30	2.29	1.96	2.02	
29	2.93	3.55	3.72	3.20	3.19	4.17	2.14	2.89	2.28	2.57		1.96	
30	3.44	3.18	3.52	3.20	3.73	4.01	2.15	2.75	2.27	2.37		1.90	
31		3.15		3.11	3.61		2.31		2.06	2.35		1.76	
Mean	2.99	3.76	3.02	3.24	3.51	3.62	3.95	2.19	2.45	2.18	2.16	2.01	
Max	3.44	4.44	3.79	3.56	4.25	4.26	7.53	2.93	2.86	2.69	2.56	2.34	7.53
Min	2.47	3.15	2.57	2.95	2.58	3.16	2.14	1.75	2.06	1.68	1.82	1.74	1.68
Annual Max Momentary Gage Height	7.71		m. (MSL.) ,			at 21.00 Hours , on Oct 12, 2022							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed -0.63	m. (MSL.)						
Left Bank Elevation	11.31		m. (MSL.) ,										
Right Bank Elevation	10.40		m. (MSL.) ,			Drainage Are	25,842	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	284.25	290.85	287.55	284.25	241.35	341.30	374.50	123.00	206.30	101.40	151.75	126.75		
2	236.70	292.50	244.45	277.65	183.20	320.90	324.30	102.50	194.70	116.75	146.75	134.25		
3	312.40	309.00	232.05	302.40	247.50	304.05	362.25	104.70	209.20	116.75	167.80	120.50		
4	256.50	309.00	238.25	239.80	295.80	317.50	560.65	139.25	186.00	139.25	144.25	108.00		
5	280.95	376.25	247.50	280.95	299.10	271.50	671.50	94.80	207.75	129.25	108.00	116.75		
6	247.50	357.00	181.80	252.00	327.70	341.30	653.80	80.75	194.70	128.00	129.25	119.25		
7	290.85	364.00	252.00	300.75	310.70	351.75	647.20	100.30	203.40	119.25	159.40	114.25		
8	255.00	376.25	222.75	302.40	259.50	378.00	597.20	103.60	197.60	133.00	180.40	121.75		
9	259.50	327.70	213.55	292.50	322.60	404.60	543.45	155.50	194.70	155.50	155.50	123.00		
10	246.00	381.80	249.00	299.10	385.60	412.20	520.60	166.40	224.30	154.25	143.00	124.25		
11	215.00	372.75	209.20	238.25	465.25	376.25	855.55	120.50	201.95	160.80	140.50	123.00		
12	210.65	453.05	209.20	292.50	427.70	299.10	1271.70	102.50	186.00	141.75	140.50	136.75		
13	218.10	419.90	186.00	274.50	397.00	339.60	1248.50	97.00	196.15	136.75	141.75	145.50		
14	250.50	427.70	197.60	312.40	429.65	336.20	930.58	98.10	150.50	129.25	138.00	143.00		
15	264.00	400.80	236.70	320.90	343.00	324.30	656.00	100.30	153.00	134.25	104.70	118.00		
16	247.50	341.30	253.50	336.20	423.80	320.90	520.60	100.30	145.50	120.50	101.40	88.20		
17	209.20	410.30	218.10	307.35	355.25	369.25	431.60	120.50	139.25	118.00	105.80	97.00		
18	190.35	385.60	253.50	264.00	357.00	365.75	351.75	104.70	162.20	103.60	88.20	150.50		
19	190.35	402.70	255.00	299.10	339.60	271.50	247.50	99.20	135.50	118.00	154.25	92.60		
20	261.00	435.50	212.10	276.00	357.00	326.00	230.50	94.80	141.75	123.00	143.00	102.50		
21	255.00	402.70	224.30	271.50	341.30	295.80	174.80	100.30	183.20	94.80	110.50	94.80		
22	252.00	439.40	241.35	261.00	276.00	284.25	156.75	144.25	141.75	73.40	106.90	84.95		
23	250.50	425.75	241.35	300.75	336.20	270.00	153.00	113.00	136.75	77.60	105.80	80.75		
24	232.05	504.20	274.50	297.45	305.70	304.05	274.50	156.75	124.25	138.00	103.60	79.70		
25	167.80	451.10	292.50	250.50	300.75	369.25	222.75	167.80	120.50	108.00	108.00	92.60		
26	219.65	365.75	277.65	279.30	299.10	350.00	145.50	215.00	143.00	170.60	109.25	97.00		
27	224.30	369.25	264.00	276.00	292.50	445.25	150.50	232.05	144.25	199.05	105.80	84.95		
28	244.45	324.30	376.25	284.25	299.10	467.30	140.50	235.15	145.50	144.25	103.60	110.50		
29	235.15	334.50	364.00	276.00	274.50	449.15	125.50	228.95	143.00	181.80		103.60		
30	315.80	273.00	329.40	276.00	365.75	417.95	126.75	207.75	141.75	154.25		97.00		
31		268.50		262.50	344.75		146.75		115.50	151.75		81.80		
Total	7323.00	11592.40	7485.10	8788.25	10203.95	10424.95	13817.03	4009.70	5169.90	4072.80	3597.65	3413.45	89898.18	CMSDAY
Mean	244.10	373.95	249.50	283.49	329.16	347.50	445.71	133.66	166.77	131.38	128.49	110.11	246.30	CMS
Max	315.80	504.20	376.25	336.20	465.25	467.30	1271.70	235.15	224.30	199.05	180.40	150.50	1271.70	CMS
Min	167.80	268.50	181.80	238.25	183.20	270.00	125.50	80.75	115.50	73.40	88.20	79.70	73.40	CMS
Runoff	632.71	1001.58	646.71	759.30	881.62	900.72	1193.79	346.44	446.68	351.89	310.84	294.92	7767.20	MCM
Momentary Peak	1324.45 CMS. at 7.71 m. (MSL.) at 21.00 Hours , on Oct 12, 2022													
Runoff Yield	9.53	Liters/Second/Square KM.			Momentary Peak Yield			51.25	Liters/Second/Square KM.					

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Mae Klong River at Ban Soi Fa, Ratchaburi (K.56)**

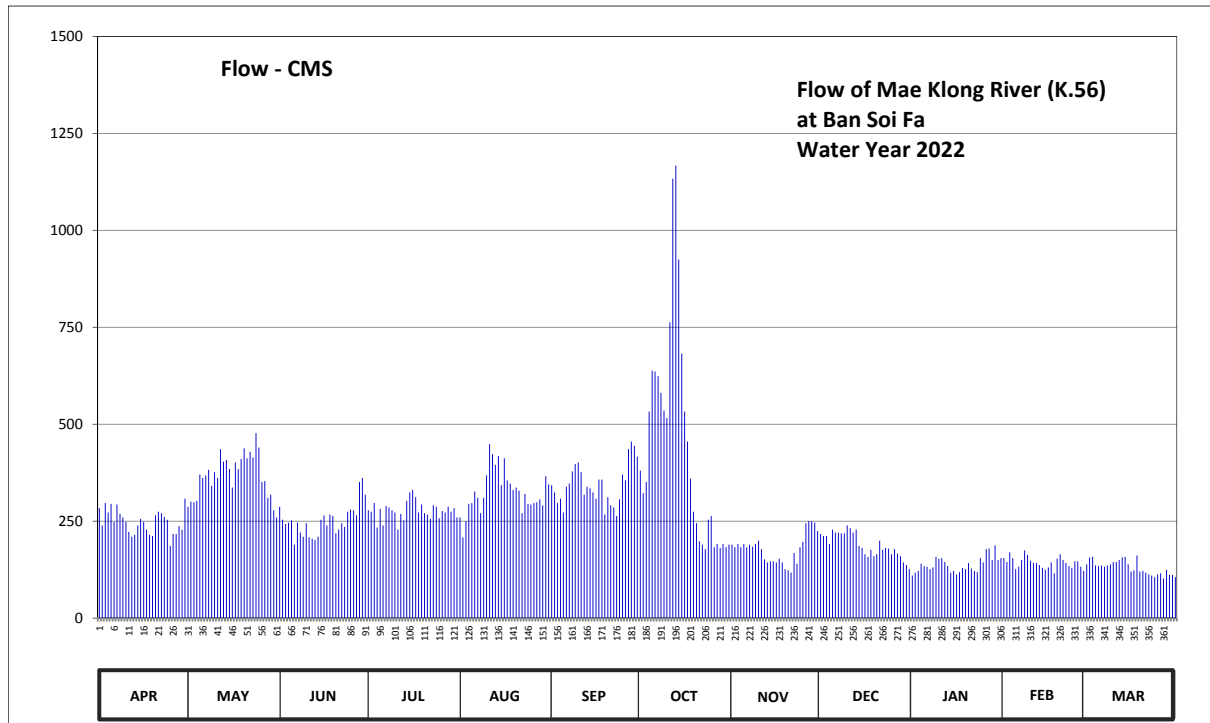
Lat 13 - 42 - 12 N Long 99 - 50 - 58 E

Location : on right bank at the bridge on road.

	Ban	Soi Fa	Amphoe	Photharam	Changwat	Ratchaburi
Drainge Area	26,388	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank at the abutment of the bridge.				Elevation	+10.557 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1998 to date					
Rating Operation						
Period of Rating	2022 to date					
Rated by Float	-					
Rated by Current Meter	2022 to date					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow regulated by Khao Laem Dam.					
	Stage-discharge relation defined by 31 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.87	1.89	1.89	1.84	1.74	2.17	2.35	1.35	1.51	0.85	1.14	1.04	
2	1.63	1.96	1.71	1.82	1.46	2.08	2.07	1.31	1.48	0.90	1.08	1.15	
3	1.94	1.95	1.65	1.94	1.69	1.94	2.21	1.36	1.48	0.93	1.23	1.16	
4	1.81	1.97	1.67	1.60	1.93	2.00	3.04	1.31	1.36	1.05	1.14	1.02	
5	1.93	2.30	1.70	1.86	1.94	1.81	3.48	1.36	1.57	1.01	0.96	1.01	
6	1.68	2.26	1.35	1.63	2.09	2.15	3.47	1.31	1.53	1.00	1.00	1.02	
7	1.92	2.29	1.67	1.90	2.01	2.19	3.42	1.35	1.53	0.96	1.11	1.00	
8	1.79	2.36	1.53	1.88	1.80	2.34	3.24	1.32	1.52	0.99	1.26	1.02	
9	1.74	2.16	1.47	1.84	2.01	2.43	3.05	1.36	1.52	1.16	1.19	1.04	
10	1.68	2.33	1.66	1.81	2.29	2.45	2.97	1.41	1.63	1.13	1.10	1.08	
11	1.54	2.26	1.46	1.57	2.67	2.33	3.96	1.28	1.59	1.14	1.06	1.08	
12	1.47	2.61	1.44	1.79	2.55	2.05	5.28	1.12	1.53	1.08	1.06	1.11	
13	1.50	2.46	1.42	1.70	2.42	2.15	5.39	1.07	1.57	1.01	1.03	1.15	
14	1.63	2.48	1.47	1.97	2.53	2.13	4.57	1.09	1.33	0.90	0.98	1.16	
15	1.72	2.37	1.71	2.08	2.17	2.08	3.65	1.09	1.30	0.93	0.95	1.04	
16	1.68	2.14	1.77	2.11	2.50	2.00	3.04	1.07	1.20	0.87	0.99	0.92	
17	1.57	2.45	1.63	2.02	2.23	2.24	2.70	1.13	1.16	0.91	1.07	0.94	
18	1.50	2.37	1.78	1.81	2.19	2.24	2.25	1.07	1.27	0.98	0.89	1.18	
19	1.48	2.49	1.76	1.92	2.11	1.78	1.82	0.96	1.17	0.96	1.13	0.92	
20	1.77	2.62	1.52	1.80	2.14	2.02	1.66	0.94	1.20	1.06	1.20	0.93	
21	1.82	2.50	1.57	1.78	2.10	1.91	1.40	0.90	1.41	0.97	1.11	0.90	
22	1.80	2.58	1.66	1.72	1.80	1.88	1.35	1.22	1.27	0.93	1.06	0.87	
23	1.75	2.51	1.61	1.91	2.06	1.76	1.28	1.05	1.30	0.91	1.01	0.85	
24	1.71	2.80	1.82	1.89	1.93	1.99	1.71	1.31	1.29	1.14	0.98	0.82	
25	1.33	2.63	1.85	1.73	1.92	2.30	1.76	1.39	1.20	1.07	1.09	0.87	
26	1.51	2.21	1.84	1.83	1.94	2.23	1.31	1.66	1.28	1.28	1.09	0.89	
27	1.51	2.22	1.77	1.81	1.95	2.61	1.36	1.69	1.21	1.29	1.00	0.80	
28	1.62	2.01	2.21	1.89	1.99	2.70	1.30	1.69	1.17	1.11	0.93	0.95	
29	1.57	2.05	2.26	1.82	1.91	2.65	1.36	1.67	1.07	1.34		0.86	
30	2.00	1.84	2.05	1.87	2.28	2.52	1.31	1.55	1.03	1.11		0.86	
31		1.74		1.74	2.18		1.35		0.96	1.14		0.82	
Mean	1.68	2.28	1.70	1.83	2.08	2.17	2.55	1.28	1.34	1.04	1.07	0.98	
Max	2.00	2.80	2.26	2.11	2.67	2.70	5.39	1.69	1.63	1.34	1.26	1.18	5.39
Min	1.33	1.74	1.35	1.57	1.46	1.76	1.28	0.90	0.96	0.85	0.89	0.80	0.80
Annual Max Momentary Gage Height	5.53		m. (MSL.) ,			at 24.00 Hours , on Oct 12, 2022							
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	-2.99	m. (MSL.)					
Left Bank Elevation		9.12	m. (MSL.) ,										
Right Bank Elevation		7.47	m. (MSL.) ,			Drainage Are	26,388	Square Kilometers					



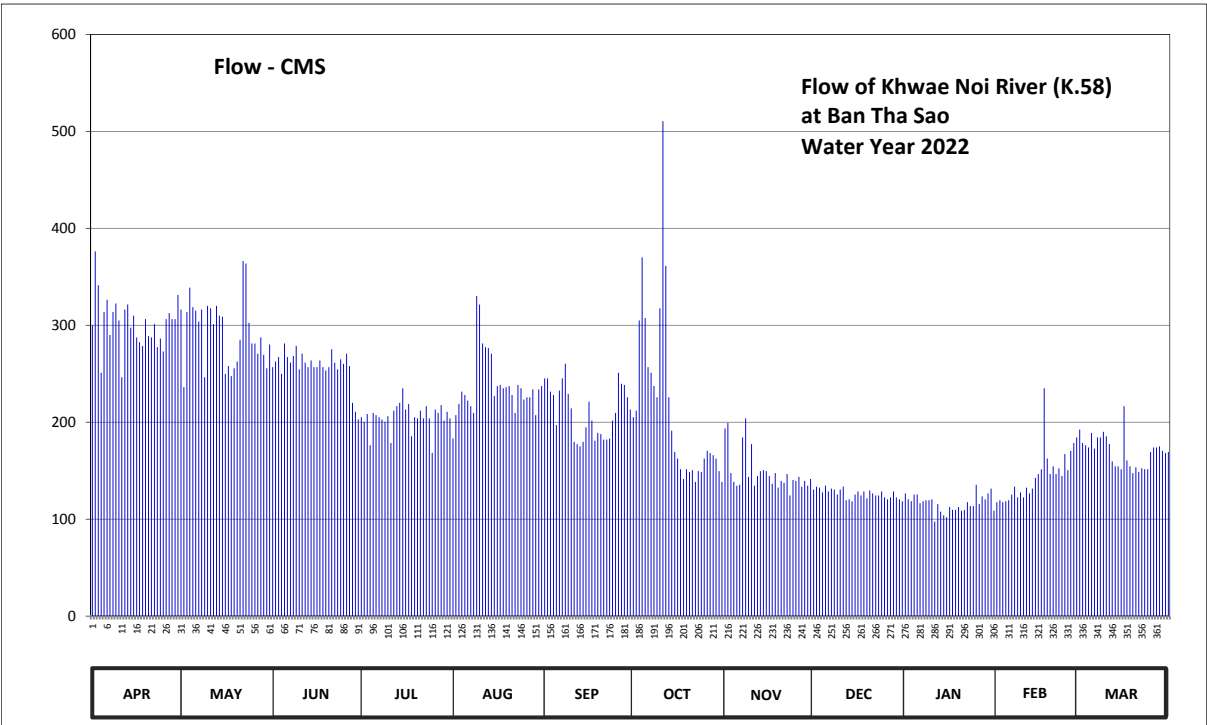
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	283.45	287.15	287.15	277.90	259.40	342.85	380.50	189.50	216.85	109.75	154.60	138.70		
2	239.05	300.40	253.85	274.20	208.20	324.40	322.35	182.70	211.60	117.00	144.90	156.25		
3	296.60	298.50	242.75	296.60	250.15	296.60	351.10	191.20	211.60	121.65	169.45	157.90		
4	272.35	302.30	246.45	233.50	294.70	308.00	532.60	182.70	191.20	140.25	154.60	135.60		
5	294.70	370.00	252.00	281.60	296.60	272.35	638.20	191.20	227.95	134.05	126.30	134.05		
6	248.30	361.60	189.50	239.05	326.45	338.75	635.80	182.70	220.55	132.50	132.50	135.60		
7	292.80	367.90	246.45	289.00	310.05	346.95	623.80	189.50	220.55	126.30	149.65	132.50		
8	268.65	382.60	220.55	285.30	270.50	378.40	580.60	184.40	218.70	130.95	174.40	135.60		
9	259.40	340.80	209.90	277.90	310.05	397.30	535.00	191.20	218.70	157.90	162.85	138.70		
10	248.30	376.30	244.60	272.35	367.90	401.50	515.80	199.70	239.05	152.95	148.00	144.90		
11	222.40	361.60	208.20	227.95	448.55	376.30	762.60	177.70	231.65	154.60	141.80	144.90		
12	209.90	435.65	204.80	268.65	422.75	318.25	1132.80	151.30	220.55	144.90	141.80	149.65		
13	215.00	403.60	201.40	252.00	395.20	338.75	1166.90	143.35	227.95	134.05	137.15	156.25		
14	239.05	407.80	209.90	302.30	418.45	334.65	924.60	146.45	186.10	117.00	129.40	157.90		
15	255.70	384.70	253.85	324.40	342.85	324.40	682.00	146.45	181.00	121.65	124.75	138.70		
16	248.30	336.70	264.95	330.55	412.00	308.00	532.60	143.35	164.50	112.65	130.95	120.10		
17	227.95	401.50	239.05	312.10	355.30	357.40	455.00	152.95	157.90	118.55	143.35	123.20		
18	215.00	384.70	266.80	272.35	346.95	357.40	359.50	143.35	176.05	129.40	115.55	161.20		
19	211.60	409.90	263.10	292.80	330.55	266.80	274.20	126.30	159.55	126.30	152.95	120.10		
20	264.95	437.80	218.70	270.50	336.70	312.10	244.60	123.20	164.50	141.80	164.50	121.65		
21	274.20	412.00	227.95	266.80	328.50	290.90	198.00	117.00	199.70	127.85	149.65	117.00		
22	270.50	429.20	244.60	255.70	270.50	285.30	189.50	167.80	176.05	121.65	141.80	112.65		
23	261.25	414.15	235.35	290.90	320.30	263.10	177.70	140.25	181.00	118.55	134.05	109.75		
24	253.85	477.00	274.20	287.15	294.70	306.10	253.85	182.70	179.35	154.60	129.40	105.40		
25	186.10	439.95	279.75	257.55	292.80	370.00	263.10	196.30	164.50	143.35	146.45	112.65		
26	216.85	351.10	277.90	276.05	296.60	355.30	182.70	244.60	177.70	177.70	146.45	115.55		
27	216.85	353.20	264.95	272.35	298.50	435.65	191.20	250.15	166.15	179.35	132.50	102.50		
28	237.20	310.05	351.10	287.15	306.10	455.00	181.00	250.15	159.55	149.65	121.65	124.75		
29	227.95	318.25	361.60	274.20	290.90	444.25	191.20	246.45	143.35	187.80		111.20		
30	308.00	277.90	318.25	283.45	365.80	416.30	182.70	224.25	137.15	149.65		111.20		
31		259.40		259.40	344.90		189.50		126.30	154.60		105.40		
Total	7466.20	11393.70	7559.60	8591.70	10112.90	10323.05	13851.00	5358.85	5857.30	4288.95	4001.40	4031.50	92836.15	CMSDAY
Mean	248.87	367.54	251.99	277.15	326.22	344.10	446.81	178.63	188.95	138.35	142.91	130.05	254.35	CMS
Max	308.00	477.00	361.60	330.55	448.55	455.00	1166.90	250.15	239.05	187.80	174.40	161.20	1166.90	CMS
Min	186.10	259.40	189.50	227.95	208.20	263.10	177.70	117.00	126.30	109.75	115.55	102.50	102.50	CMS
Runoff	645.08	984.42	653.15	742.32	873.75	891.91	1196.73	463.00	506.07	370.57	345.72	348.32	8021.04	MCM
Momentary Peak	1209.00 CMS. at 5.53 m. (MSL.) at 24.00 Hours , on Oct 12, 2022													
Runoff Yield	9.64 Liters/Second/Square KM.			Momentary Peak Yield			45.82 Liters/Second/Square KM.							

Lat 14 - 12 - 55 N Long 99 - 03 - 30 E

	Ban	Tha Sao	Amphoe	Sai Yok	Changwat	Kanchanaburi
Drainage Area	6,727	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+39.500	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 40 meters from the gage observer's house.				Elevation	+57.998 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1998 to date					
Rating Operation						
Period of Rating	2006 to date					
Rated by Float	-					
Rated by Current Meter	2006 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 26 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023														
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	43.18	43.31	42.82	42.37	42.18	42.72	42.37	42.27	41.68	41.64	41.55	42.26	
	2	43.79	42.64	42.87	42.33	42.39	42.72	42.43	42.32	41.71	41.58	41.57	42.14	
	3	43.51	43.29	42.91	42.40	42.49	42.60	43.22	41.85	41.70	41.56	41.55	42.12	
	4	42.77	43.49	42.76	42.12	42.60	42.57	43.74	41.76	41.65	41.63	41.56	42.10	
	5	43.29	43.33	43.03	42.41	42.57	42.30	43.24	41.72	41.72	41.63	41.57	42.23	
	6	43.39	43.30	42.91	42.39	42.52	42.61	42.82	41.73	41.66	41.54	41.63	42.09	
	7	43.10	43.21	42.86	42.37	42.47	42.72	42.77	42.19	41.69	41.56	41.71	42.19	
	8	43.29	43.31	42.92	42.35	42.41	42.85	42.65	42.36	41.68	41.57	41.60	42.19	
	9	43.36	42.73	43.01	42.33	43.42	42.58	42.55	41.81	41.63	41.57	41.65	42.24	
	10	43.22	43.34	42.80	42.38	43.35	42.45	43.32	42.13	41.68	41.58	41.60	42.20	
	11	42.73	43.32	42.94	42.14	43.03	42.15	44.85	41.72	41.71	41.34	41.70	42.13	
	12	43.31	43.19	42.86	42.43	43.00	42.13	43.67	41.82	41.57	41.53	41.64	41.97	
	13	43.35	43.34	42.82	42.47	42.99	42.11	42.55	41.87	41.58	41.45	41.69	41.92	
	14	43.16	43.26	42.88	42.50	42.94	42.15	42.25	41.88	41.56	41.41	41.80	41.92	
	15	43.26	43.25	42.82	42.63	42.56	42.28	42.06	41.87	41.63	41.39	41.84	41.89	
	16	43.08	42.76	42.82	42.44	42.65	42.51	42.00	41.82	41.66	41.50	41.89	42.47	
	17	43.04	42.83	42.88	42.49	42.66	42.34	41.89	41.74	41.62	41.47	42.63	41.98	
	18	43.01	42.74	42.82	42.20	42.63	42.16	41.79	41.85	41.66	41.47	42.00	41.92	
	19	43.23	42.81	42.79	42.37	42.64	42.23	41.89	41.70	41.59	41.50	41.84	41.85	
	20	43.09	42.87	42.82	42.36	42.65	42.22	41.86	41.77	41.67	41.46	41.92	41.91	
	21	43.08	43.06	42.98	42.43	42.57	42.17	41.88	41.75	41.64	41.47	41.84	41.86	
	22	43.19	43.71	42.86	42.36	42.41	42.17	41.76	41.84	41.62	41.55	41.90	41.90	
	23	43.00	43.69	42.80	42.47	42.66	42.18	41.87	41.62	41.62	41.51	41.82	41.89	
	24	43.07	43.20	42.89	42.36	42.63	42.34	41.86	41.78	41.66	41.51	42.04	41.89	
	25	42.96	43.03	42.85	42.05	42.53	42.41	42.00	41.77	41.60	41.73	41.88	42.06	
	26	43.23	43.03	42.94	42.44	42.55	42.77	42.07	41.81	41.58	41.53	42.07	42.10	
	27	43.28	42.94	42.83	42.41	42.55	42.67	42.05	41.71	41.60	41.61	42.14	42.10	
	28	43.23	43.08	42.50	42.48	42.62	42.66	42.03	41.77	41.66	41.58	42.19	42.11	
	29	43.23	42.93	42.42	42.34	42.39	42.55	42.00	41.72	41.60	41.64		42.07	
	30	43.43	42.81	42.35	42.42	42.62	42.44	41.87	41.79	41.58	41.69		42.05	
31		43.02		42.36	42.65		41.76		41.56	41.46		42.06		
Mean	43.20	43.12	42.83	42.37	42.66	42.43	42.42	41.86	41.64	41.54	41.82	42.06		
Max	43.79	43.71	43.03	42.63	43.42	42.85	44.85	42.36	41.72	41.73	42.63	42.47	44.85	
Min	42.73	42.64	42.35	42.05	42.18	42.11	41.76	41.62	41.56	41.34	41.55	41.85	41.34	
Annual Max Momentary Gage Height			45.06	m. (MSL.) , at 02.00 Hours , on Oct 11, 2022										
Zero Gage at Bottom Elevation			39.50	m. (MSL.) , River Bed 36.86 m. (MSL)										
Left Bank Elevation			57.75	m. (MSL.) ,										
Right Bank Elevation			56.61	m. (MSL.) , Drainage Are 6,727 Square Kilometers										



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	300.00	316.25	256.80	205.05	183.20	245.30	205.05	193.55	130.50	126.50	117.50	192.40		
2	376.25	236.10	262.55	200.45	207.35	245.30	211.95	199.30	133.50	120.50	119.50	178.60		
3	341.25	313.75	267.15	208.50	218.85	231.50	305.00	147.50	132.50	118.50	117.50	176.30		
4	251.05	338.75	249.90	176.30	231.50	228.05	370.00	138.50	127.50	125.50	118.50	174.00		
5	313.75	318.75	281.25	209.65	228.05	197.00	307.50	134.50	134.50	125.50	119.50	188.95		
6	326.25	315.00	267.15	207.35	222.30	232.65	256.80	135.50	128.50	116.50	125.50	172.85		
7	290.00	303.75	261.40	205.05	216.55	245.30	251.05	184.35	131.50	118.50	133.50	184.35		
8	313.75	316.25	268.30	202.75	209.65	260.25	237.25	203.90	130.50	119.50	122.50	184.35		
9	322.50	246.45	278.75	200.45	330.00	229.20	225.75	143.50	125.50	119.50	127.50	190.10		
10	305.00	320.00	254.50	206.20	321.25	214.25	317.50	177.45	130.50	120.50	122.50	185.50		
11	246.45	317.50	270.60	178.60	281.25	179.75	510.50	134.50	133.50	97.30	132.50	177.45		
12	316.25	301.25	261.40	211.95	277.50	177.45	361.25	144.50	119.50	115.50	126.50	159.50		
13	321.25	320.00	256.80	216.55	276.35	175.15	225.75	149.50	120.50	107.75	131.50	154.50		
14	297.50	310.00	263.70	220.00	270.60	179.75	191.25	150.50	118.50	103.95	142.50	154.50		
15	310.00	308.75	256.80	234.95	226.90	194.70	169.40	149.50	125.50	102.05	146.50	151.50		
16	287.50	249.90	256.80	213.10	237.25	221.15	162.50	144.50	128.50	112.50	151.50	216.55		
17	282.50	257.95	263.70	218.85	238.40	201.60	151.50	136.50	124.50	109.65	234.95	160.50		
18	278.75	247.60	256.80	185.50	234.95	180.90	141.50	147.50	128.50	109.65	162.50	154.50		
19	306.25	255.65	253.35	205.05	236.10	188.95	151.50	132.50	121.50	112.50	146.50	147.50		
20	288.75	262.55	256.80	203.90	237.25	187.80	148.50	139.50	129.50	108.70	154.50	153.50		
21	287.50	285.00	275.20	211.95	228.05	182.05	150.50	137.50	126.50	109.65	146.50	148.50		
22	301.25	366.25	261.40	203.90	209.65	182.05	138.50	146.50	124.50	117.50	152.50	152.50		
23	277.50	363.75	254.50	216.55	238.40	183.20	149.50	124.50	124.50	113.50	144.50	151.50		
24	286.25	302.50	264.85	203.90	234.95	201.60	148.50	140.50	128.50	113.50	167.10	151.50		
25	272.90	281.25	260.25	168.25	223.45	209.65	162.50	139.50	122.50	135.50	150.50	169.40		
26	306.25	281.25	270.60	213.10	225.75	251.05	170.55	143.50	120.50	115.50	170.55	174.00		
27	312.50	270.60	257.95	209.65	225.75	239.55	168.25	133.50	122.50	123.50	178.60	174.00		
28	306.25	287.50	220.00	217.70	233.80	238.40	165.95	139.50	128.50	120.50	184.35	175.15		
29	306.25	269.45	210.80	201.60	207.35	225.75	162.50	134.50	122.50	126.50		170.55		
30	331.25	255.65	202.75	210.80	233.80	213.10	149.50	141.50	120.50	131.50		168.25		
31		280.00		203.90	237.25		138.50		118.50	108.70		169.40		
Total	9062.90	9099.40	7722.80	6371.50	7383.45	6342.40	6606.25	4468.05	3914.50	3606.40	4048.05	5262.15	73887.85	CMSDAY
Mean	302.10	293.53	257.43	205.53	238.18	211.41	213.10	148.94	126.27	116.34	144.57	169.75	202.43	CMS
Max	376.25	366.25	281.25	234.95	330.00	260.25	510.50	203.90	134.50	135.50	234.95	216.55	510.50	CMS
Min	246.45	236.10	202.75	168.25	183.20	175.15	138.50	124.50	118.50	97.30	117.50	147.50	97.30	CMS
Runoff	783.03	786.19	667.25	550.50	637.93	547.98	570.78	386.04	338.21	311.59	349.75	454.65	6383.91	MCM
Momentary Peak	537.80	CMS. at 45.06 m. (MSL.)	on Oct 11, 2022											
Runoff Yield	30.09	Liters/Second/Square KM.			Momentary Peak Yield			79.95	Liters/Second/Square KM.					

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Huai Kui Mang at Ban Kui Mang , Kanchanaburi (K.60)**

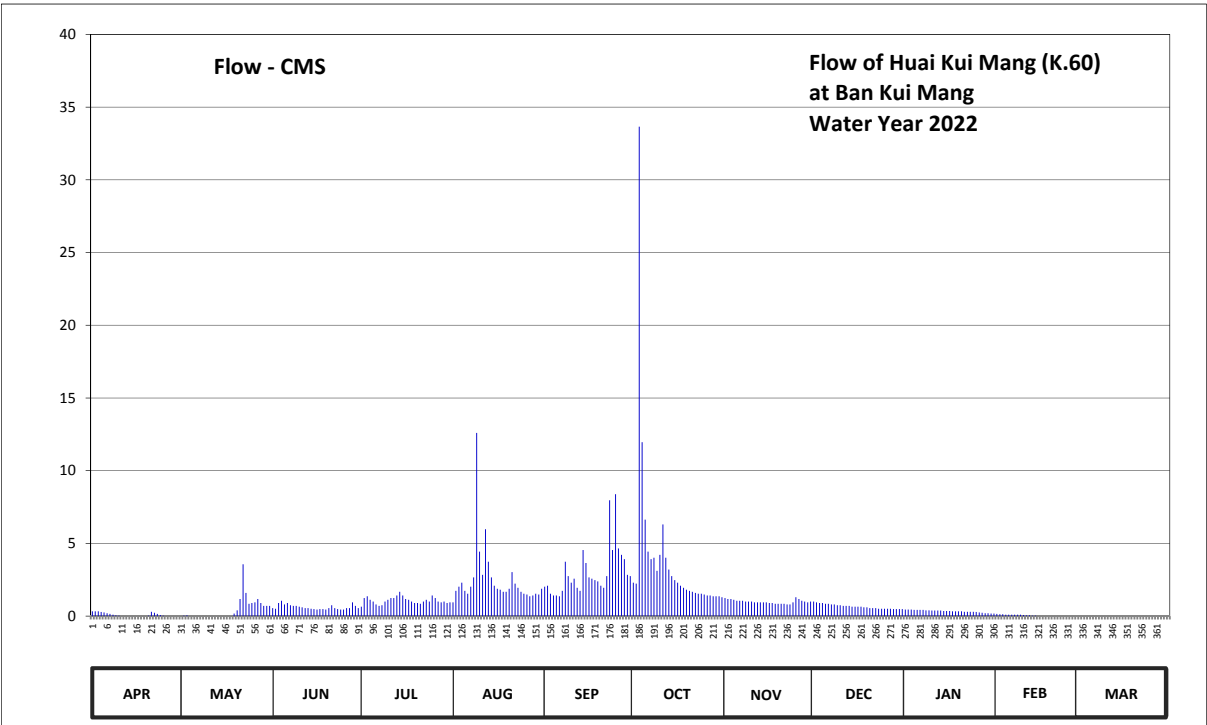
Lat 14 - 37 - 28 N Long 98 - 43 - 19 E

Location : on right bank at the bridge on road.

	Ban	Kui Mang	Amphoe	Thong Pha Phum	Changwat	Kanchanaburi
Drainge Area	132	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+73.700	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 15 meters from the top staff gage.				Elevation	+82.468 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings.					
Period of Available Gage Records	2000 to date					
Rating Operation						
Period of Rating	2000 to date					
Rated by Float	-					
Rated by Current Meter	2000 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 17 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	74.43	74.29	74.51	74.53	74.59	74.76	74.80	74.64	74.60	74.48	74.36	74.27	
2	74.43	74.31	74.50	74.64	74.72	74.77	74.79	74.63	74.59	74.48	74.35	74.27	
3	74.43	74.32	74.58	74.66	74.76	74.69	76.66	74.63	74.58	74.48	74.35	74.27	
4	74.41	74.30	74.61	74.62	74.80	74.67	75.61	74.62	74.58	74.47	74.34	74.27	
5	74.40	74.30	74.56	74.60	74.72	74.67	75.23	74.61	74.57	74.47	74.34	74.27	
6	74.38	74.29	74.58	74.56	74.69	74.66	75.03	74.61	74.57	74.47	74.34	74.27	
7	74.36	74.29	74.55	74.54	74.76	74.72	74.98	74.61	74.56	74.47	74.34	74.27	
8	74.34	74.29	74.54	74.55	74.84	74.96	74.99	74.60	74.56	74.46	74.34	74.27	
9	74.32	74.29	74.54	74.60	75.65	74.85	74.89	74.60	74.55	74.46	74.34	74.27	
10	74.31	74.30	74.53	74.62	75.03	74.80	75.01	74.60	74.55	74.45	74.33	74.27	
11	74.30	74.29	74.52	74.64	74.86	74.83	75.20	74.59	74.54	74.45	74.32	74.26	
12	74.29	74.30	74.51	74.64	75.17	74.75	74.99	74.59	74.54	74.45	74.32	74.26	
13	74.29	74.29	74.51	74.67	74.96	74.72	74.90	74.59	74.54	74.45	74.31	74.27	
14	74.30	74.29	74.50	74.71	74.84	75.04	74.85	74.59	74.53	74.44	74.31	74.27	
15	74.29	74.29	74.49	74.67	74.77	74.95	74.82	74.59	74.53	74.44	74.30	74.27	
16	74.29	74.29	74.48	74.63	74.74	74.84	74.80	74.58	74.53	74.44	74.29	74.26	
17	74.29	74.29	74.49	74.62	74.73	74.83	74.77	74.58	74.53	74.43	74.29	74.26	
18	74.29	74.29	74.49	74.60	74.71	74.82	74.75	74.57	74.52	74.43	74.29	74.26	
19	74.30	74.37	74.48	74.58	74.71	74.81	74.73	74.57	74.52	74.43	74.28	74.26	
20	74.31	74.46	74.51	74.58	74.74	74.77	74.72	74.57	74.51	74.43	74.27	74.26	
21	74.42	74.63	74.55	74.57	74.88	74.75	74.71	74.57	74.51	74.42	74.27	74.26	
22	74.39	74.94	74.51	74.60	74.79	74.85	74.70	74.56	74.51	74.42	74.27	74.26	
23	74.36	74.70	74.49	74.62	74.75	75.34	74.69	74.56	74.50	74.42	74.27	74.26	
24	74.33	74.57	74.48	74.60	74.71	75.04	74.69	74.59	74.50	74.42	74.27	74.26	
25	74.31	74.58	74.48	74.67	74.69	75.37	74.68	74.65	74.50	74.41	74.27	74.26	
26	74.29	74.59	74.51	74.64	74.68	75.05	74.67	74.63	74.50	74.40	74.27	74.26	
27	74.29	74.63	74.51	74.60	74.66	75.01	74.67	74.61	74.50	74.39	74.28	74.26	
28	74.30	74.58	74.59	74.59	74.67	74.98	74.66	74.60	74.49	74.38	74.28	74.26	
29	74.30	74.54	74.54	74.60	74.69	74.86	74.66	74.59	74.49	74.38		74.26	
30	74.29	74.54	74.51	74.58	74.68	74.85	74.66	74.60	74.49	74.37		74.26	
31		74.54		74.59	74.74		74.65		74.49	74.37		74.26	
Mean	74.43	74.42	74.52	74.61	74.80	74.87	74.90	74.60	74.53	74.43	74.31	74.26	
Max	74.43	74.94	74.61	74.71	75.65	75.37	76.66	74.65	74.60	74.48	74.36	74.27	76.66
Min	74.29	74.29	74.48	74.53	74.59	74.66	74.65	74.56	74.49	74.37	74.27	74.26	74.26
Annual Max Momentary Gage Height	77.89		m. (MSL.) ,				at 07.00 Hours , on Oct 3, 2022						
Zero Gage at Bottom Elevation		73.70	m. (MSL.) ,			River Bed	73.47	m. (MSL.)					
Left Bank Elevation		82.17	m. (MSL.) ,										
Right Bank Elevation		82.15	m. (MSL.) ,			Drainage Are	132	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.33	0.00	0.55	0.65	0.95	2.02	2.30	1.24	1.00	0.45	0.15	0.00	
2	0.33	0.03	0.50	1.24	1.74	2.09	2.23	1.18	0.95	0.45	0.13	0.00	
3	0.33	0.05	0.90	1.36	2.02	1.54	33.66	1.18	0.90	0.45	0.13	0.00	
4	0.28	0.00	1.06	1.12	2.30	1.42	11.96	1.12	0.90	0.43	0.10	0.00	
5	0.25	0.00	0.80	1.00	1.74	1.42	6.63	1.06	0.85	0.43	0.10	0.00	
6	0.20	0.00	0.90	0.80	1.54	1.36	4.43	1.06	0.85	0.43	0.10	0.00	
7	0.15	0.00	0.75	0.70	2.02	1.74	3.92	1.06	0.80	0.43	0.10	0.00	
8	0.10	0.00	0.70	0.75	2.66	3.74	4.01	1.00	0.80	0.40	0.10	0.00	
9	0.05	0.00	0.70	1.00	12.60	2.75	3.11	1.00	0.75	0.40	0.10	0.00	
10	0.03	0.00	0.65	1.12	4.43	2.30	4.21	1.00	0.75	0.38	0.08	0.00	
11	0.00	0.00	0.60	1.24	2.84	2.57	6.30	0.95	0.70	0.38	0.05	0.00	
12	0.00	0.00	0.55	1.24	5.97	1.95	4.01	0.95	0.70	0.38	0.05	0.00	
13	0.00	0.00	0.55	1.42	3.74	1.74	3.20	0.95	0.70	0.38	0.03	0.00	
14	0.00	0.00	0.50	1.67	2.66	4.54	2.75	0.95	0.65	0.35	0.03	0.00	
15	0.00	0.00	0.48	1.42	2.09	3.65	2.48	0.95	0.65	0.35	0.00	0.00	
16	0.00	0.00	0.45	1.18	1.88	2.66	2.30	0.90	0.65	0.35	0.00	0.00	
17	0.00	0.00	0.48	1.12	1.81	2.57	2.09	0.90	0.65	0.33	0.00	0.00	
18	0.00	0.00	0.48	1.00	1.67	2.48	1.95	0.85	0.60	0.33	0.00	0.00	
19	0.00	0.18	0.45	0.90	1.67	2.39	1.81	0.85	0.60	0.33	0.00	0.00	
20	0.03	0.40	0.55	0.90	1.88	2.09	1.74	0.85	0.55	0.33	0.00	0.00	
21	0.30	1.18	0.75	0.85	3.02	1.95	1.67	0.85	0.55	0.30	0.00	0.00	
22	0.23	3.56	0.55	1.00	2.23	2.75	1.60	0.80	0.55	0.30	0.00	0.00	
23	0.15	1.60	0.48	1.12	1.95	7.96	1.54	0.80	0.50	0.30	0.00	0.00	
24	0.08	0.85	0.45	1.00	1.67	4.54	1.54	0.95	0.50	0.30	0.00	0.00	
25	0.03	0.90	0.45	1.42	1.54	8.38	1.48	1.30	0.50	0.28	0.00	0.00	
26	0.00	0.95	0.55	1.24	1.48	4.65	1.42	1.18	0.50	0.25	0.00	0.00	
27	0.00	1.18	0.55	1.00	1.36	4.21	1.42	1.06	0.50	0.23	0.00	0.00	
28	0.00	0.90	0.95	0.95	1.42	3.92	1.36	1.00	0.48	0.20	0.00	0.00	
29	0.00	0.70	0.70	1.00	1.54	2.84	1.36	0.95	0.48	0.20		0.00	
30	0.00	0.70	0.55	0.90	1.48	2.75	1.36	1.00	0.48	0.18		0.00	
31		0.70		0.95	1.88		1.30		0.48	0.18		0.00	
Total	2.87	13.88	18.58	33.26	77.78	90.97	121.14	29.89	20.52	10.48	1.25	0.00	420.62 CMSDAY
Mean	0.10	0.45	0.62	1.07	2.51	3.03	3.91	1.00	0.66	0.34	0.04	0.00	1.15 CMS
Max	0.33	3.56	1.06	1.67	12.60	8.38	33.66	1.30	1.00	0.45	0.15	0.00	33.66 CMS
Min	0.00	0.00	0.45	0.65	0.95	1.36	1.30	0.80	0.48	0.18	0.00	0.00	0.00 CMS
Runoff	0.25	1.20	1.61	2.87	6.72	7.86	10.47	2.58	1.77	0.91	0.11	0.00	36.34 MCM
Momentary Peak	76.05 CMS. at 77.89 m. (MSL.) at 07.00 Hours , on Oct 3, 2022												
Runoff Yield	8.73	Liters/Second/Square KM.			Momentary Peak Yield			576.14 Liters/Second/Square KM.					

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Lam Phachi at Ban Nong Phai , Kanchanaburi (K.62)**

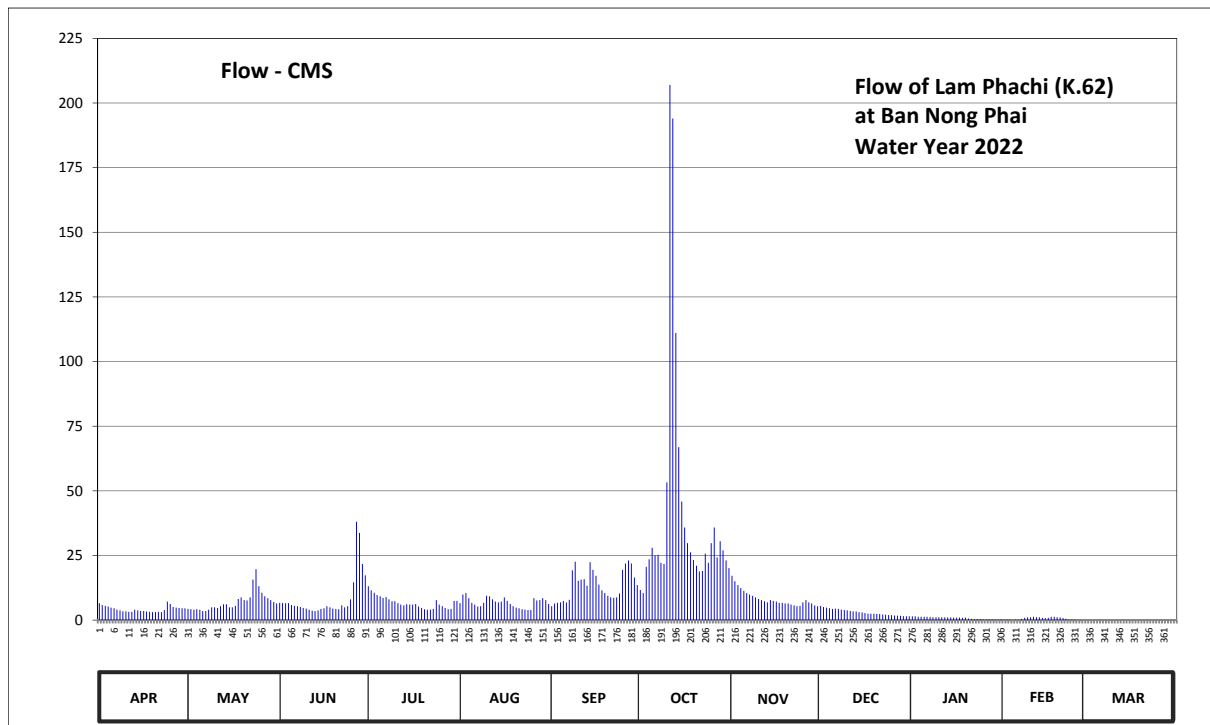
Lat 13 - 46 - 52 N Long 99 - 25 - 16 E

Location : on left bank at Ban Nong Phai.

	Ban	Nong Phai	Amphoe	Dan Makham Tia	Changwat	Kanchanaburi
Drainge Area	2,234	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+49.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+55.243 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2006 to date					
Rating Operation						
Period of Rating	2006 to date					
Rated by Float	-					
Rated by Current Meter	2006 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 27 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	49.12	48.96	49.13	49.52	49.12	49.04	49.44	49.71	49.05	48.68	48.52	48.49	
2	49.07	48.95	49.13	49.43	49.34	49.11	49.37	49.61	49.02	48.68	48.53	48.49	
3	49.05	48.93	49.12	49.38	49.37	49.13	49.87	49.54	49.00	48.66	48.52	48.48	
4	49.03	48.95	49.12	49.33	49.25	49.14	50.00	49.48	48.98	48.66	48.51	48.48	
5	49.00	48.93	49.07	49.30	49.13	49.18	50.18	49.42	48.96	48.66	48.53	48.47	
6	48.98	48.89	49.05	49.26	49.08	49.14	50.06	49.37	48.97	48.66	48.52	48.47	
7	48.94	48.89	49.04	49.28	49.03	49.21	50.07	49.34	48.96	48.65	48.56	48.48	
8	48.91	48.93	49.02	49.22	49.04	49.81	49.94	49.31	48.94	48.64	48.61	48.48	
9	48.88	49.01	48.99	49.17	49.13	49.96	49.92	49.27	48.92	48.64	48.63	48.47	
10	48.88	49.01	48.97	49.17	49.31	49.62	50.94	49.23	48.91	48.64	48.64	48.46	
11	48.86	48.99	48.93	49.12	49.30	49.64	53.22	49.20	48.89	48.64	48.66	48.46	
12	48.86	49.04	48.90	49.08	49.22	49.65	53.09	49.17	48.88	48.64	48.64	48.45	
13	48.93	49.09	48.89	49.06	49.16	49.53	52.06	49.14	48.87	48.63	48.64	48.46	
14	48.91	49.09	48.91	49.09	49.14	49.95	51.24	49.20	48.85	48.63	48.61	48.46	
15	48.89	49.01	48.96	49.08	49.16	49.82	50.75	49.18	48.84	48.62	48.60	48.45	
16	48.89	49.01	48.98	49.08	49.27	49.71	50.46	49.16	48.82	48.62	48.61	48.45	
17	48.87	49.05	49.04	49.10	49.18	49.55	50.25	49.13	48.80	48.62	48.66	48.45	
18	48.86	49.23	49.01	49.03	49.10	49.43	50.11	49.13	48.80	48.61	48.66	48.46	
19	48.85	49.27	48.97	48.99	49.04	49.37	49.99	49.11	48.80	48.62	48.64	48.46	
20	48.85	49.20	48.96	48.95	49.00	49.31	49.89	49.11	48.79	48.58	48.63	48.45	
21	48.86	49.19	48.95	48.93	48.98	49.27	49.79	49.08	48.78	48.56	48.60	48.43	
22	48.85	49.27	49.06	48.93	48.95	49.26	49.80	49.06	48.76	48.55	48.57	48.43	
23	48.92	49.64	49.01	48.96	48.94	49.27	50.09	49.04	48.75	48.55	48.54	48.44	
24	49.16	49.83	49.04	49.20	48.92	49.36	49.94	49.05	48.74	48.55	48.53	48.43	
25	49.10	49.52	49.22	49.08	48.92	49.82	50.25	49.14	48.73	48.54	48.52	48.43	
26	49.02	49.38	49.59	49.04	49.25	49.93	50.46	49.20	48.72	48.54	48.51	48.43	
27	49.00	49.30	50.53	48.99	49.19	49.98	50.03	49.14	48.71	48.54	48.51	48.43	
28	48.99	49.25	50.39	48.95	49.20	49.93	50.28	49.11	48.70	48.54	48.50	48.44	
29	48.98	49.20	49.92	48.96	49.25	49.68	50.14	49.06	48.69	48.53		48.43	
30	48.98	49.15	49.72	49.18	49.20	49.54	49.98	49.04	48.68	48.53		48.42	
31		49.11		49.18	49.10		49.85		48.68	48.54		48.43	
Mean	48.95	49.14	49.19	49.13	49.14	49.51	50.37	49.22	48.84	48.60	48.58	48.45	
Max	49.16	49.83	50.53	49.52	49.37	49.98	53.22	49.71	49.05	48.68	48.66	48.49	53.22
Min	48.85	48.89	48.89	48.93	48.92	49.04	49.37	49.04	48.68	48.53	48.50	48.42	48.42
Annual Max Momentary Gage Height	53.71		m. (MSL.) ,				at 01.00 Hours , on Oct 12, 2022						
Zero Gage at Bottom Elevation		49.00	m. (MSL.) ,			River Bed	48.38	m. (MSL.)					
Left Bank Elevation		54.88	m. (MSL.) ,										
Right Bank Elevation		55.09	m. (MSL.) ,			Drainage Are	2,234	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	6.56	4.34	6.71	13.12	6.56	5.39	11.65	17.11	5.53	1.48	0.16	0.00		
2	5.83	4.23	6.71	11.48	9.90	6.41	10.43	15.01	5.09	1.48	0.24	0.00		
3	5.53	4.00	6.56	10.60	10.43	6.71	20.58	13.54	4.80	1.31	0.16	0.00		
4	5.24	4.23	6.56	9.73	8.47	6.85	23.50	12.35	4.57	1.31	0.08	0.00		
5	4.80	4.00	5.83	9.20	6.71	7.44	28.00	11.30	4.34	1.31	0.24	0.00		
6	4.57	3.54	5.53	8.61	5.97	6.85	25.00	10.43	4.46	1.31	0.16	0.00		
7	4.11	3.54	5.39	8.91	5.24	7.88	25.25	9.90	4.34	1.23	0.48	0.00		
8	3.77	4.00	5.09	8.03	5.39	19.23	22.15	9.38	4.11	1.14	0.89	0.00		
9	3.42	4.95	4.69	7.29	6.71	22.60	21.70	8.76	3.88	1.14	1.06	0.00		
10	3.42	4.95	4.46	7.29	9.38	15.22	53.27	8.17	3.77	1.14	1.14	0.00		
11	3.19	4.69	4.00	6.56	9.20	15.64	207.00	7.73	3.54	1.14	1.31	0.00		
12	3.19	5.39	3.65	5.97	8.03	15.85	194.00	7.29	3.42	1.14	1.14	0.00		
13	4.00	6.12	3.54	5.68	7.15	13.33	111.08	6.85	3.31	1.06	1.14	0.00		
14	3.77	6.12	3.77	6.12	6.85	22.38	66.88	7.73	3.08	1.06	0.89	0.00		
15	3.54	4.95	4.34	5.97	7.15	19.45	45.83	7.44	2.96	0.97	0.80	0.00		
16	3.54	4.95	4.57	5.97	8.76	17.11	35.80	7.15	2.73	0.97	0.89	0.00		
17	3.31	5.53	5.39	6.27	7.44	13.75	29.75	6.71	2.50	0.97	1.31	0.00		
18	3.19	8.17	4.95	5.24	6.27	11.48	26.25	6.71	2.50	0.89	1.31	0.00		
19	3.08	8.76	4.46	4.69	5.39	10.43	23.28	6.41	2.50	0.97	1.14	0.00		
20	3.08	7.73	4.34	4.23	4.80	9.38	21.03	6.41	2.42	0.64	1.06	0.00		
21	3.19	7.59	4.23	4.00	4.57	8.76	18.79	5.97	2.33	0.48	0.80	0.00		
22	3.08	8.76	5.68	4.00	4.23	8.61	19.00	5.68	2.16	0.40	0.56	0.00		
23	3.88	15.64	4.95	4.34	4.11	8.76	25.75	5.39	2.08	0.40	0.32	0.00		
24	7.15	19.68	5.39	7.73	3.88	10.25	22.15	5.53	1.99	0.40	0.24	0.00		
25	6.27	13.12	8.03	5.97	3.88	19.45	29.75	6.85	1.91	0.32	0.16	0.00		
26	5.09	10.60	14.59	5.39	8.47	21.93	35.80	7.73	1.82	0.32	0.08	0.00		
27	4.80	9.20	38.06	4.69	7.59	23.05	24.25	6.85	1.74	0.32	0.08	0.00		
28	4.69	8.47	33.70	4.23	7.73	21.93	30.50	6.41	1.65	0.32	0.00	0.00		
29	4.57	7.73	21.70	4.34	8.47	16.48	27.00	5.68	1.57	0.24	0.00	0.00		
30	4.57	7.00	17.32	7.44	7.73	13.54	23.05	5.39	1.48	0.24	0.00	0.00		
31		6.41		7.44	6.27		20.13		1.48	0.32		0.00		
Total	128.43	218.39	254.19	210.53	212.73	406.14	1278.60	247.86	94.06	26.42	17.84	0.00	3095.19	CMSDAY
Mean	4.28	7.04	8.47	6.79	6.86	13.54	41.25	8.26	3.03	0.85	0.64	0.00	8.48	CMS
Max	7.15	19.68	38.06	13.12	10.43	23.05	207.00	17.11	5.53	1.48	1.31	0.00	207.00	CMS
Min	3.08	3.54	3.54	4.00	3.88	5.39	10.43	5.39	1.48	0.24	0.00	0.00	0.00	CMS
Runoff	11.10	18.87	21.96	18.19	18.38	35.09	110.47	21.42	8.13	2.28	1.54	0.00	267.42	MCM
Momentary Peak	259.36 CMS. at 53.71 m. (MSL.) at 01:00 Hours , on Oct 12, 2022													
Runoff Yield	3.80	Liters/Second/Square KM.				Momentary Peak Yield 116.10				Liters/Second/Square KM.				

WATER YEAR : 2022**PRACHIN BURI RIVER BASIN****Prachin Buri River at Ban Kabin Buri , Prachin Buri (Kgt.3)**

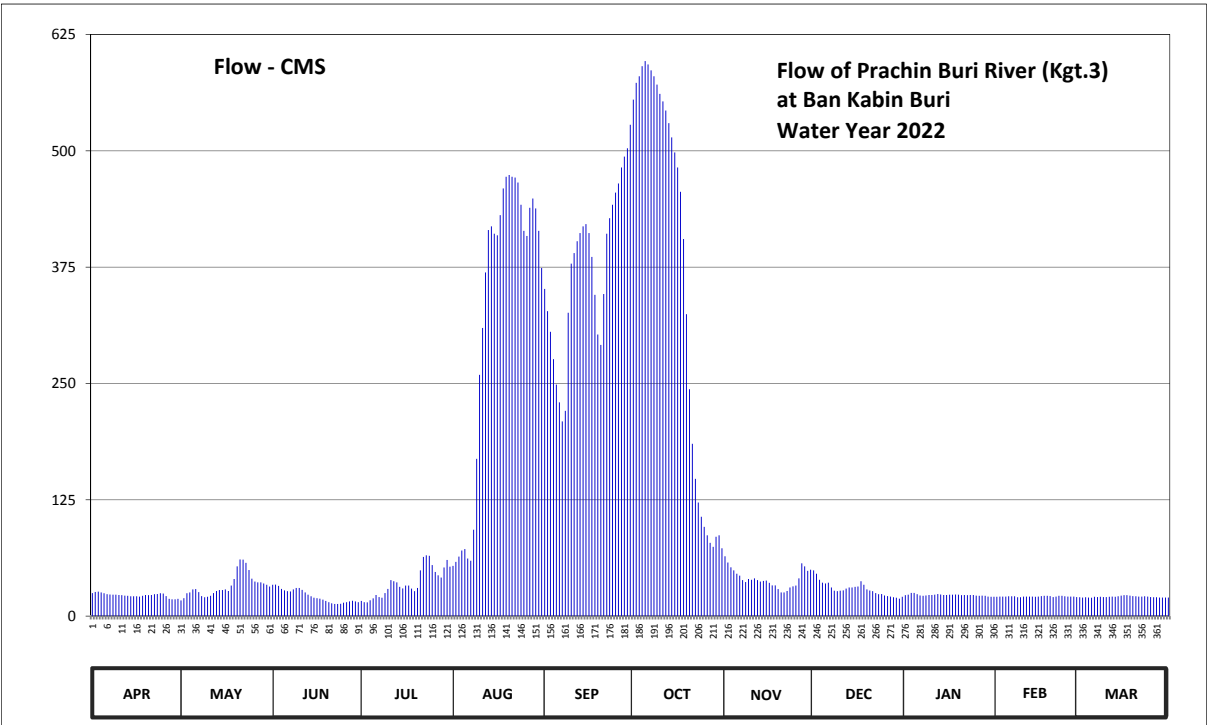
Lat 13 - 59 - 12 N Long 101 - 42 - 19 E

Location : on left bank in front of Amphoe Kabin Buri Office and about 500 meters downstream from the confluence of Lam Phra Prong.

	Ban	Kabin Buri	Amphoe	Kabin Buri	Changwat	Prachin Buri
Drainge Area	7,434	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 5 meters from the top staff gage.				Elevation	+11.410 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00,12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	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	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 9.66 m.(MSL.) and is including overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 51 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.07	0.75	1.42	0.73	2.10	7.62	10.01	2.44	1.94	0.98	0.91	0.89	
2	1.12	0.85	1.43	0.68	2.24	7.32	10.21	2.22	1.82	1.00	0.92	0.88	
3	1.13	1.06	1.38	0.67	2.43	7.02	10.29	2.05	1.60	1.08	0.92	0.89	
4	1.10	1.10	1.25	0.76	2.65	6.60	10.41	1.94	1.50	1.08	0.92	0.88	
5	1.06	1.23	1.19	0.84	2.70	6.21	10.47	1.82	1.47	1.02	0.93	0.87	
6	1.02	1.24	1.15	0.99	2.36	5.91	10.43	1.75	1.50	0.97	0.93	0.91	
7	1.01	1.11	1.14	0.90	2.28	5.57	10.36	1.59	1.31	0.95	0.93	0.90	
8	1.00	0.94	1.23	0.87	3.22	5.76	10.29	1.52	1.17	0.97	0.89	0.91	
9	1.00	0.89	1.29	1.07	4.88	7.30	10.19	1.63	1.15	0.99	0.89	0.90	
10	0.99	0.91	1.29	1.25	6.36	7.96	10.08	1.60	1.17	0.99	0.92	0.90	
11	0.98	0.95	1.21	1.59	7.08	8.10	9.99	1.65	1.19	1.00	0.92	0.91	
12	0.96	1.07	1.10	1.55	7.84	8.26	9.88	1.59	1.26	1.03	0.92	0.92	
13	0.95	1.16	1.00	1.51	8.41	8.37	9.73	1.54	1.31	1.01	0.92	0.91	
14	0.93	1.20	0.93	1.34	8.46	8.46	9.56	1.56	1.31	0.99	0.91	0.93	
15	0.93	1.20	0.87	1.27	8.36	8.49	9.38	1.57	1.34	0.99	0.92	0.96	
16	0.93	1.23	0.85	1.39	8.34	8.37	9.20	1.49	1.35	1.00	0.94	0.98	
17	0.92	1.16	0.83	1.39	8.61	8.05	8.91	1.40	1.55	1.00	0.95	0.98	
18	0.95	1.39	0.79	1.26	8.95	7.54	8.29	1.40	1.42	1.01	0.95	0.96	
19	0.99	1.63	0.73	1.15	9.09	6.98	7.28	1.24	1.23	1.00	0.94	0.94	
20	0.98	2.08	0.68	1.29	9.11	6.82	6.14	1.10	1.18	0.98	0.90	0.93	
21	0.99	2.33	0.63	1.94	9.09	7.55	5.17	1.10	1.15	0.99	0.92	0.92	
22	1.02	2.32	0.60	2.42	9.08	8.36	4.45	1.16	1.07	0.98	0.95	0.92	
23	1.03	2.21	0.60	2.48	9.02	8.57	3.94	1.31	1.02	0.99	0.95	0.93	
24	1.06	1.95	0.61	2.46	8.75	8.75	3.57	1.36	1.03	0.99	0.93	0.92	
25	1.05	1.64	0.66	2.13	8.40	8.90	3.30	1.39	0.97	0.96	0.92	0.90	
26	0.94	1.54	0.68	1.88	8.33	9.01	3.07	1.65	0.94	0.95	0.92	0.89	
27	0.82	1.51	0.71	1.76	8.71	9.20	2.87	2.19	0.92	0.96	0.92	0.89	
28	0.80	1.51	0.74	1.68	8.83	9.33	2.76	2.08	0.89	0.95	0.90	0.88	
29	0.80	1.47	0.71	2.04	8.70	9.43	3.03	1.92	0.87	0.92		0.88	
30	0.82	1.42	0.68	2.31	8.40	9.71	3.07	1.96	0.83	0.91		0.88	
31		1.35		2.07	7.90		2.72		0.91	0.91		0.88	
Mean	0.98	1.37	0.95	1.47	6.80	7.85	7.39	1.64	1.24	0.99	0.92	0.91	
Max	1.13	2.33	1.43	2.48	9.11	9.71	10.47	2.44	1.94	1.08	0.95	0.98	10.47
Min	0.80	0.75	0.60	0.67	2.10	5.57	2.72	1.10	0.83	0.91	0.89	0.87	0.60
Annual Max Momentary Gage Height	10.48		m. (MSL.) ,				at 12.00 Hours, on Oct 5, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	-1.25	m. (MSL.)					
Left Bank Elevation		10.30	m. (MSL.) ,										
Right Bank Elevation		9.65	m. (MSL.) ,			Drainage Are	7,434	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	24.75	16.75	33.60	16.25	54.00	351.60	554.90	64.20	49.20	22.50	20.75	20.25		
2	26.00	19.25	33.90	15.00	58.20	327.60	572.90	57.60	45.60	23.00	21.00	20.00		
3	26.25	24.50	32.50	14.75	63.90	305.40	580.10	52.50	39.00	25.00	21.00	20.25		
4	25.50	25.50	29.25	17.00	70.50	276.00	590.90	49.20	36.00	25.00	21.00	20.00		
5	24.50	28.75	27.75	19.00	72.00	248.70	596.30	45.60	35.10	23.50	21.25	19.75		
6	23.50	29.00	26.75	22.75	61.80	229.60	592.70	43.50	36.00	22.25	21.25	20.75		
7	23.25	25.75	26.50	20.50	59.40	209.20	586.40	38.70	30.75	21.75	21.25	20.50		
8	23.00	21.50	28.75	19.75	92.80	220.60	580.10	36.60	27.25	22.25	20.25	20.75		
9	23.00	20.25	30.25	24.75	169.00	326.00	571.10	39.90	26.75	22.75	20.25	20.50		
10	22.75	20.75	30.25	29.25	259.20	378.80	561.20	39.00	27.25	22.75	21.00	20.50		
11	22.50	21.75	28.25	38.70	309.60	390.00	553.10	40.50	27.75	23.00	21.00	20.75		
12	22.00	24.75	25.50	37.50	369.20	402.80	543.20	38.70	29.50	23.75	21.00	21.00		
13	21.75	27.00	23.00	36.30	414.80	411.60	529.70	37.20	30.75	23.25	21.00	20.75		
14	21.25	28.00	21.25	31.50	418.80	418.80	514.40	37.80	30.75	22.75	20.75	21.25		
15	21.25	28.00	19.75	29.75	410.80	421.20	498.20	38.10	31.50	22.75	21.00	22.00		
16	21.25	28.75	19.25	32.75	409.20	411.60	482.00	35.70	31.75	23.00	21.50	22.50		
17	21.00	27.00	18.75	32.75	430.80	386.00	455.90	33.00	37.50	23.00	21.75	22.50		
18	21.75	32.75	17.75	29.50	459.50	345.20	405.20	33.00	33.60	23.25	21.75	22.00		
19	22.75	39.90	16.25	26.75	472.10	302.60	324.40	29.00	28.75	23.00	21.50	21.50		
20	22.50	53.40	15.00	30.25	473.90	291.40	243.80	25.50	27.50	22.50	20.50	21.25		
21	22.75	60.90	13.75	49.20	472.10	346.00	185.20	25.50	26.75	22.75	21.00	21.00		
22	23.50	60.60	13.00	63.60	471.20	410.80	147.50	27.00	24.75	22.50	21.75	21.00		
23	23.75	57.30	13.00	65.40	465.80	427.60	122.00	30.75	23.50	22.75	21.75	21.25		
24	24.50	49.50	13.25	64.80	442.00	442.00	106.80	32.00	23.75	22.75	21.25	21.00		
25	24.25	40.20	14.50	54.90	414.00	455.00	96.00	32.75	22.25	22.00	21.00	20.50		
26	21.50	37.20	15.00	47.40	408.40	464.90	86.80	40.50	21.50	21.75	21.00	20.25		
27	18.50	36.30	15.75	43.80	438.80	482.00	78.80	56.70	21.00	22.00	21.00	20.25		
28	18.00	36.30	16.50	41.40	448.70	493.70	74.40	53.40	20.25	21.75	20.50	20.00		
29	18.00	35.10	15.75	52.20	438.00	502.70	85.20	48.60	19.75	21.00		20.00		
30	18.50	33.60	15.00	60.30	414.00	527.90	86.80	49.80	18.75	20.75		20.00		
31		31.75		53.10	374.00		72.80		20.75	20.75		20.00		
Total	673.75	1022.05	649.75	1120.85	9916.50	11207.30	11478.80	1212.30	905.25	701.75	590.00	644.00	40122.30	CMSDAY
Mean	22.46	32.97	21.66	36.16	319.89	373.58	370.28	40.41	29.20	22.64	21.07	20.77	109.92	CMS
Max	26.25	60.90	33.90	65.40	473.90	527.90	596.30	64.20	49.20	25.00	21.75	22.50	596.30	CMS
Min	18.00	16.75	13.00	14.75	54.00	209.20	72.80	25.50	18.75	20.75	20.25	19.75	13.00	CMS
Runoff	58.21	88.31	56.14	96.84	856.79	968.31	991.77	104.74	78.21	60.63	50.98	55.64	3466.57	MCM
Momentary Peak	597.20	CMS, at	10.48 m. (MSL.), at 12.00 Hours, on Oct 5, 2022											
Runoff Yield	14.79	Liters/Second/Square KM.			Momentary Peak Yield			80.33	Liters/Second/Square KM.					

WATER YEAR : 2022**PRACHIN BURI RIVER BASIN****Khlong Phra Sathung at Ban Khao Chakan , Sa Kao (Kgt.9)**

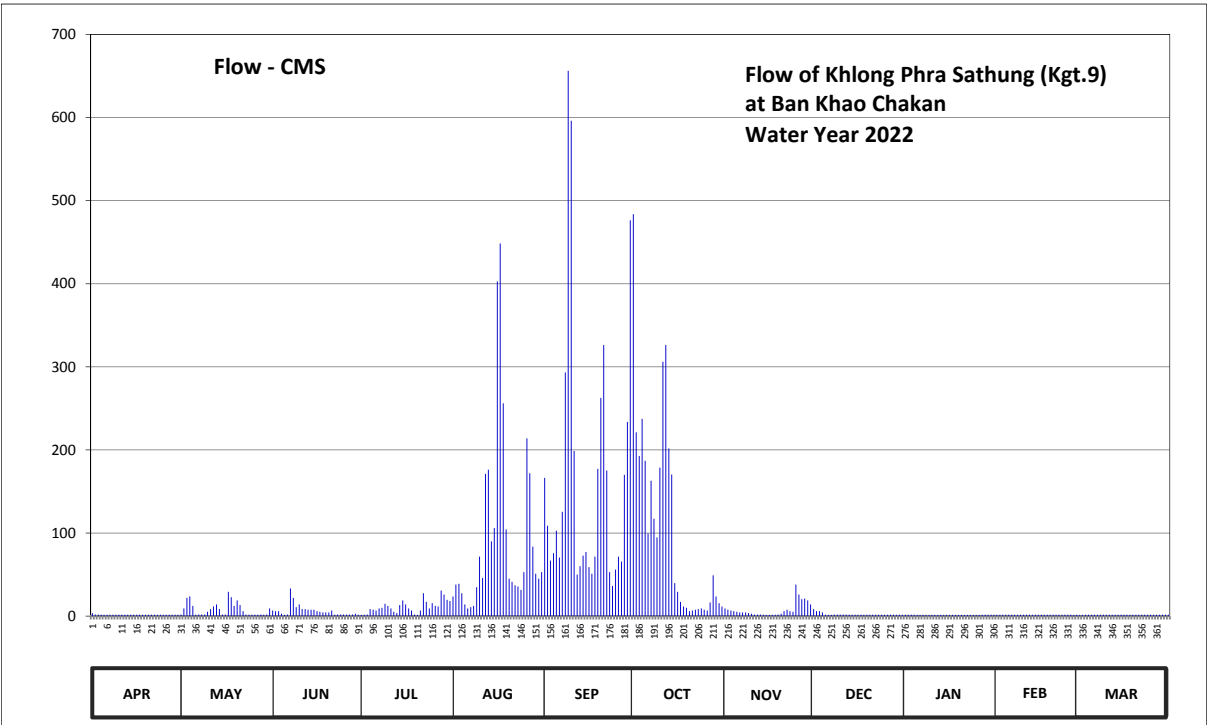
Lat 13 - 40 - 10 N Long 102 - 04 - 29 E

Location : on right bank near Wat Khao Chakan.

	Ban	Khao Chakan	Amphoe	Khao Chakan	Changwat	Sa Kao
Drainge Area	2,273	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+39.566	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 10 meters from the automatic gage building.					Elevation +50.745 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1972 to date					
Rating Operation						
Period of Rating	1972 - 1987 , 1989 to date					
Rated by Float	-					
Rated by Current Meter	1972 - 1987 , 1989 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +50.200 m.(MSL.) and is including overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 49 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	43.42	43.38	43.46	43.29	43.67	44.59	49.21	43.49	43.48	43.33	43.33	43.31	
2	43.39	43.49	43.45	43.35	43.85	44.41	46.22	43.47	43.45	43.33	43.33	43.31	
3	43.37	43.65	43.45	43.40	43.86	44.14	45.59	43.46	43.45	43.33	43.33	43.36	
4	43.35	43.67	43.41	43.48	43.72	44.21	46.49	43.45	43.43	43.33	43.33	43.36	
5	43.34	43.53	43.30	43.47	43.55	44.38	45.40	43.44	43.35	43.32	43.33	43.35	
6	43.35	43.36	43.38	43.46	43.49	44.17	44.36	43.43	43.30	43.32	43.33	43.35	
7	43.35	43.37	43.79	43.49	43.51	44.47	44.58	43.43	43.32	43.32	43.33	43.35	
8	43.34	43.38	43.65	43.50	43.53	47.36	44.44	43.43	43.38	43.32	43.33	43.34	
9	43.34	43.40	43.51	43.56	43.81	50.07	44.33	43.42	43.39	43.32	43.34	43.35	
10	43.34	43.44	43.55	43.53	44.18	49.81	45.12	43.41	43.39	43.32	43.34	43.35	
11	43.33	43.48	43.48	43.49	43.94	45.74	47.54	43.40	43.38	43.32	43.34	43.35	
12	43.33	43.52	43.48	43.44	44.71	43.98	47.79	43.40	43.37	43.32	43.34	43.35	
13	43.34	43.55	43.47	43.42	45.01	44.08	45.82	43.40	43.36	43.32	43.34	43.36	
14	43.34	43.48	43.47	43.54	44.30	44.19	44.64	43.35	43.36	43.32	43.34	43.35	
15	43.34	43.40	43.47	43.61	44.40	44.22	43.87	43.30	43.36	43.32	43.34	43.35	
16	43.34	43.38	43.45	43.55	48.58	44.07	43.74	43.32	43.36	43.32	43.33	43.35	
17	43.34	43.74	43.44	43.49	48.96	43.99	43.59	43.33	43.35	43.32	43.34	43.35	
18	43.34	43.66	43.43	43.46	46.80	44.18	43.52	43.36	43.35	43.32	43.34	43.35	
19	43.34	43.53	43.43	43.38	44.39	45.06	43.50	43.40	43.35	43.32	43.33	43.35	
20	43.34	43.61	43.43	43.31	43.93	46.91	43.45	43.41	43.35	43.32	43.34	43.35	
21	43.33	43.54	43.46	43.46	43.89	47.79	43.46	43.45	43.35	43.32	43.34	43.34	
22	43.35	43.45	43.36	43.72	43.84	44.96	43.47	43.47	43.34	43.32	43.34	43.34	
23	43.35	43.39	43.38	43.59	43.82	44.01	43.48	43.45	43.33	43.32	43.34	43.33	
24	43.34	43.34	43.38	43.49	43.77	43.83	43.49	43.44	43.33	43.32	43.34	43.35	
25	43.34	43.33	43.38	43.57	44.01	44.04	43.47	43.85	43.33	43.31	43.34	43.35	
26	43.34	43.35	43.39	43.53	46.08	44.18	43.46	43.70	43.33	43.32	43.34	43.34	
27	43.35	43.35	43.39	43.52	44.79	44.13	43.58	43.63	43.33	43.33	43.30	43.34	
28	43.35	43.40	43.40	43.76	44.26	44.60	43.97	43.64	43.33	43.33	43.34	43.34	
29	43.36	43.34	43.41	43.70	43.99	46.43	43.67	43.61	43.33	43.33		43.33	
30	43.36	43.39	43.35	43.62	43.93	49.16	43.57	43.55	43.33	43.33		43.34	
31		43.49		43.60	44.01		43.52		43.33	43.33		43.34	
Mean	43.35	43.46	43.45	43.51	44.47	45.24	44.59	43.46	43.36	43.32	43.34	43.34	
Max	43.42	43.74	43.79	43.76	48.96	50.07	49.21	43.85	43.48	43.33	43.34	43.36	50.07
Min	43.33	43.33	43.30	43.29	43.49	43.83	43.45	43.30	43.30	43.31	43.30	43.31	43.29
Annual Max Momentary Gage Height	50.39	m. (MSL.) ,		at 16.00 Hours, on Sep 9, 2022									
Zero Gage at Bottom Elevation	39.57	m. (MSL.) ,		River Bed		39.26	m. (MSL.)						
Left Bank Elevation	50.19	m. (MSL.) ,											
Right Bank Elevation	50.58	m. (MSL.) ,		Drainage Are		2,273	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.60	1.90	6.80	1.45	23.60	166.40	483.60	9.20	8.40	1.65	1.65	1.55	
2	1.95	9.20	6.00	1.75	38.00	108.80	221.20	7.60	6.00	1.65	1.65	1.55	
3	1.85	22.00	6.00	2.00	38.80	66.80	192.70	6.80	6.00	1.65	1.65	1.80	
4	1.75	23.60	2.80	8.40	27.60	75.60	237.40	6.00	4.40	1.65	1.65	1.80	
5	1.70	12.40	1.50	7.60	14.00	102.80	187.00	5.20	1.75	1.60	1.65	1.75	
6	1.75	1.80	1.90	6.80	9.20	70.40	99.60	4.40	1.50	1.60	1.65	1.75	
7	1.75	1.85	33.20	9.20	10.80	125.60	162.80	4.40	1.60	1.60	1.65	1.75	
8	1.70	1.90	22.00	10.00	12.40	293.20	117.20	4.40	1.90	1.60	1.65	1.70	
9	1.70	2.00	10.80	14.80	34.80	656.20	94.80	3.60	1.95	1.60	1.70	1.75	
10	1.70	5.20	14.00	12.40	71.60	596.20	178.60	2.80	1.95	1.60	1.70	1.75	
11	1.65	8.40	8.40	9.20	46.00	198.60	306.20	2.00	1.90	1.60	1.70	1.75	
12	1.65	11.60	8.40	5.20	171.10	50.00	326.20	2.00	1.85	1.60	1.70	1.75	
13	1.70	14.00	7.60	3.60	176.20	60.00	201.80	2.00	1.80	1.60	1.70	1.80	
14	1.70	8.40	7.60	13.20	90.00	72.80	170.40	1.75	1.80	1.60	1.70	1.75	
15	1.70	2.00	7.60	18.80	106.00	77.20	39.60	1.50	1.80	1.60	1.70	1.75	
16	1.70	1.90	6.00	14.00	402.80	59.00	29.20	1.60	1.80	1.60	1.65	1.75	
17	1.70	29.20	5.20	9.20	448.40	51.00	17.20	1.65	1.75	1.60	1.70	1.75	
18	1.70	22.80	4.40	6.80	256.00	71.60	11.60	1.80	1.75	1.60	1.70	1.75	
19	1.70	12.40	4.40	1.90	104.40	177.20	10.00	2.00	1.75	1.60	1.65	1.75	
20	1.70	18.80	4.40	1.55	45.00	262.60	6.00	2.80	1.75	1.60	1.70	1.75	
21	1.65	13.20	6.80	6.80	41.20	326.20	6.80	6.00	1.75	1.60	1.70	1.70	
22	1.75	6.00	1.80	27.60	37.20	175.20	7.60	7.60	1.70	1.60	1.70	1.70	
23	1.75	1.95	1.90	17.20	35.60	53.00	8.40	6.00	1.65	1.60	1.70	1.65	
24	1.70	1.70	1.90	9.20	31.60	36.40	9.20	5.20	1.65	1.60	1.70	1.75	
25	1.70	1.65	1.90	15.60	53.00	56.00	7.60	38.00	1.65	1.55	1.70	1.75	
26	1.70	1.75	1.95	12.40	214.00	71.60	6.80	26.00	1.65	1.60	1.70	1.70	
27	1.75	1.75	1.95	11.60	171.90	65.60	16.40	20.40	1.65	1.65	1.50	1.70	
28	1.75	2.00	2.00	30.80	83.60	170.00	49.00	21.20	1.65	1.65	1.70	1.70	
29	1.80	1.70	2.80	26.00	51.00	233.80	23.60	18.80	1.65	1.65		1.65	
30	1.80	1.95	1.75	19.60	45.00	476.40	15.60	14.00	1.65	1.65		1.70	
31		9.20		18.00	53.00		11.60		1.65	1.65		1.70	
Total	53.70	254.20	193.75	352.65	2943.80	5006.20	3255.70	236.70	71.70	50.00	46.90	53.40	12518.70 CMSDAY
Mean	1.79	8.20	6.46	11.38	94.96	166.87	105.02	7.89	2.31	1.61	1.68	1.72	34.30 CMS
Max	3.60	29.20	33.20	30.80	448.40	656.20	483.60	38.00	8.40	1.65	1.70	1.80	656.20 CMS
Min	1.65	1.65	1.50	1.45	9.20	36.40	6.00	1.50	1.50	1.55	1.50	1.55	1.45 CMS
Runoff	4.64	21.96	16.74	30.47	254.34	432.54	281.29	20.45	6.19	4.32	4.05	4.61	1081.62 MCM
Momentary Peak	747.00	CMS, at 50.39 m. (MSL.), at 16.00 Hours, on Sep 9, 2022											
Runoff Yield	15.09	Liters/Second/Square KM.		Momentary Peak Yield		328.64	Liters/Second/Square KM.						

WATER YEAR : 2022**PRACHIN BURI RIVER BASIN****Khlong Phra Prong at Ban Kaeng , Sa Kao (Kgt.12A)**

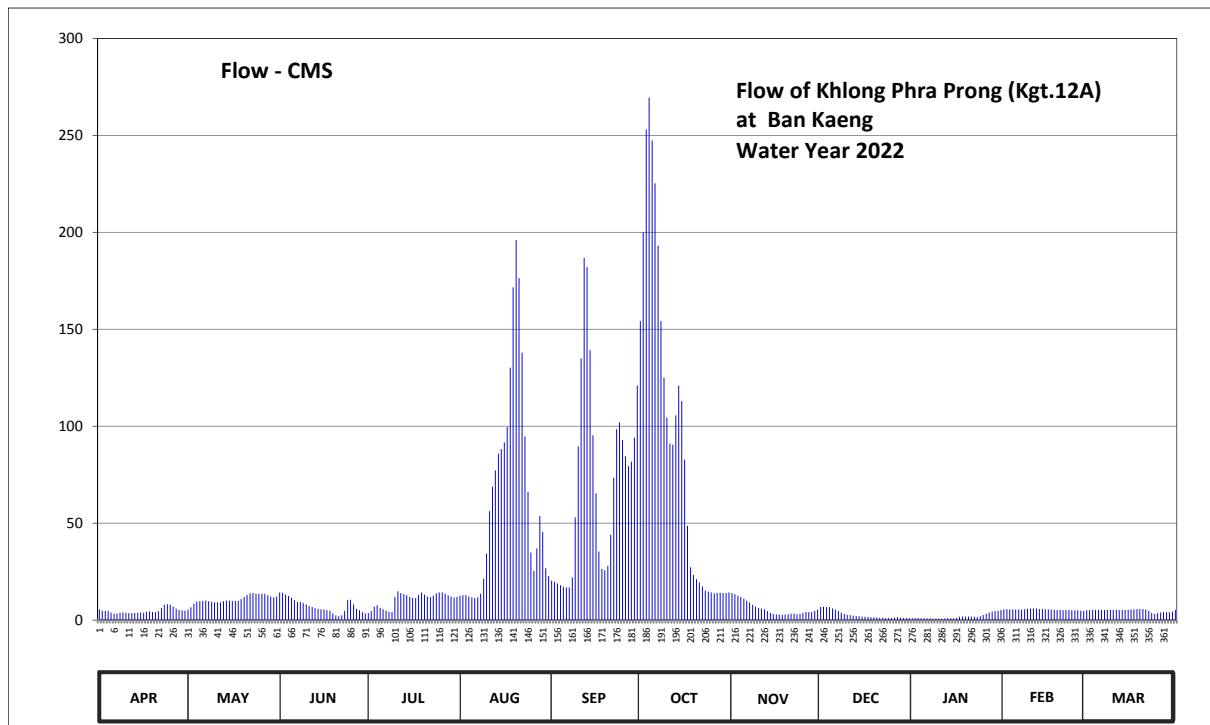
Lat 13 - 56 - 11 N Long 101 - 58 - 20 E

Location : on left bank near the railway station at Ban Kaeng at about 200 meters upstream from Thot Saphon Sawmill.

	Ban Kaeng	Amphoe Mueang	Changwat Sa Kao
Drainage Area	1,473 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+12.430 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank in front of the gage observer's house.	Elevation	+24.808 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2022 to date		
Rating Operation			
Period of Rating	2022 to date		
Rated by Float	-		
Rated by Current Meter	2022 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records very good. The concrete weir situated about 7 kilometers downstream from the gage site. Stage-discharge relation defined by 71 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	15.85	15.84	16.45	15.66	16.34	16.86	21.77	16.43	15.95	15.20	15.85	15.81	
2	15.78	15.94	16.44	15.76	16.35	16.82	22.36	16.39	15.96	15.21	15.86	15.81	
3	15.78	16.06	16.38	15.96	16.36	16.76	22.82	16.34	15.95	15.21	15.85	15.82	
4	15.78	16.13	16.33	16.01	16.31	16.70	22.93	16.30	15.95	15.19	15.85	15.83	
5	15.69	16.15	16.27	15.92	16.28	16.65	22.78	16.24	15.90	15.19	15.84	15.83	
6	15.63	16.16	16.19	15.87	16.26	16.62	22.61	16.17	15.84	15.18	15.84	15.83	
7	15.64	16.17	16.12	15.79	16.28	16.62	22.29	16.11	15.77	15.16	15.84	15.82	
8	15.68	16.15	16.12	15.72	16.41	16.97	21.77	16.03	15.69	15.14	15.86	15.82	
9	15.69	16.13	16.09	15.71	16.92	18.60	21.28	15.96	15.61	15.13	15.88	15.83	
10	15.68	16.11	16.04	16.29	17.66	20.42	20.86	15.91	15.55	15.12	15.89	15.83	
11	15.66	16.11	15.99	16.49	18.76	21.45	20.47	15.89	15.51	15.14	15.90	15.83	
12	15.66	16.11	15.95	16.43	19.39	22.21	20.45	15.85	15.46	15.17	15.89	15.82	
13	15.67	16.15	15.91	16.39	19.81	22.15	20.89	15.77	15.42	15.21	15.88	15.82	
14	15.68	16.17	15.88	16.35	20.24	21.52	21.20	15.67	15.40	15.19	15.88	15.82	
15	15.69	16.17	15.85	16.30	20.36	20.61	21.04	15.61	15.37	15.16	15.86	15.83	
16	15.69	16.16	15.85	16.26	20.49	19.22	20.09	15.59	15.35	15.22	15.85	15.84	
17	15.73	16.16	15.82	16.26	20.74	17.72	18.38	15.57	15.33	15.35	15.84	15.85	
18	15.75	16.16	15.79	16.37	21.37	17.26	17.31	15.56	15.32	15.37	15.83	15.87	
19	15.72	16.22	15.65	16.45	22.02	17.21	17.05	15.58	15.30	15.36	15.82	15.87	
20	15.71	16.29	15.49	16.38	22.32	17.35	16.91	15.59	15.28	15.36	15.82	15.88	
21	15.76	16.36	15.39	16.31	22.08	18.15	16.80	15.63	15.25	15.37	15.81	15.85	
22	15.91	16.42	15.49	16.29	21.50	19.62	16.66	15.64	15.24	15.34	15.82	15.77	
23	16.03	16.43	15.78	16.34	20.59	20.71	16.52	15.60	15.22	15.32	15.82	15.66	
24	16.05	16.41	16.19	16.42	19.26	20.80	16.48	15.61	15.21	15.39	15.81	15.61	
25	16.03	16.40	16.20	16.45	17.69	20.53	16.45	15.67	15.21	15.52	15.81	15.66	
26	15.96	16.41	16.04	16.45	17.19	20.18	16.42	15.72	15.26	15.63	15.80	15.69	
27	15.89	16.40	15.88	16.41	17.80	19.92	16.43	15.71	15.32	15.69	15.79	15.71	
28	15.82	16.35	15.81	16.35	18.63	20.04	16.44	15.71	15.25	15.74	15.78	15.70	
29	15.80	16.31	15.71	16.31	18.22	20.57	16.43	15.78	15.22	15.77		15.70	
30	15.79	16.28	15.65	16.28	17.28	21.20	16.43	15.84	15.21	15.79		15.74	
31		16.31		16.30	17.02		16.45		15.21	15.82		15.83	
Mean	15.77	16.21	15.96	16.20	18.64	19.05	19.25	15.85	15.47	15.34	15.84	15.79	
Max	16.05	16.43	16.45	16.49	22.32	22.21	22.93	16.43	15.96	15.82	15.90	15.88	22.93
Min	15.63	15.84	15.39	15.66	16.26	16.62	16.42	15.56	15.21	15.12	15.78	15.61	15.12
Annual Max Momentary Gage Height	22.97		m. (MSL.) ,			at 02.00 Hours, on Oct 4, 2022							
Zero Gage at Bottom Elevation	12.43		m. (MSL.) ,		River Bed	12.62	m. (MSL.)						
Left Bank Elevation	23.30		m. (MSL.) ,										
Right Bank Elevation	23.38		m. (MSL.) ,		Drainage Are	1,473	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	5.50	5.40	14.25	3.60	12.60	20.40	154.20	13.95	6.75	1.00	5.50	5.10		
2	4.80	6.60	14.10	4.60	12.75	19.80	200.00	13.35	6.90	1.05	5.60	5.10		
3	4.80	8.40	13.20	6.90	12.90	18.90	253.00	12.60	6.75	1.05	5.50	5.20		
4	4.80	9.45	12.45	7.65	12.15	18.00	269.50	12.00	6.75	0.98	5.50	5.30		
5	3.90	9.75	11.55	6.30	11.70	17.25	247.40	11.10	6.00	0.98	5.40	5.30		
6	3.30	9.90	10.35	5.70	11.40	16.80	225.30	10.05	5.40	0.95	5.40	5.30		
7	3.40	10.05	9.30	4.90	11.70	16.80	193.20	9.15	4.70	0.90	5.40	5.20		
8	3.80	9.75	9.30	4.20	13.65	22.05	154.20	7.95	3.90	0.85	5.60	5.20		
9	3.90	9.45	8.85	4.10	21.30	53.00	125.00	6.90	3.10	0.83	5.80	5.30		
10	3.80	9.15	8.10	11.85	34.20	89.60	104.40	6.15	2.75	0.80	5.90	5.30		
11	3.60	9.15	7.35	14.85	56.20	135.00	91.10	5.90	2.55	0.85	6.00	5.30		
12	3.60	9.15	6.75	13.95	68.80	186.80	90.50	5.50	2.30	0.93	5.90	5.20		
13	3.70	9.75	6.15	13.35	77.20	182.00	105.60	4.70	2.10	1.05	5.80	5.20		
14	3.80	10.05	5.80	12.75	85.80	139.20	121.00	3.70	2.00	0.98	5.80	5.20		
15	3.90	10.05	5.50	12.00	88.20	95.30	113.00	3.10	1.85	0.90	5.60	5.30		
16	3.90	9.90	5.50	11.40	91.70	65.40	82.80	2.95	1.75	1.10	5.50	5.40		
17	4.30	9.90	5.20	11.40	99.60	35.40	48.60	2.85	1.65	1.75	5.40	5.50		
18	4.50	9.90	4.90	13.05	130.20	26.40	27.20	2.80	1.60	1.85	5.30	5.70		
19	4.20	10.80	3.50	14.25	171.60	25.65	23.25	2.90	1.50	1.80	5.20	5.70		
20	4.10	11.85	2.45	13.20	196.00	28.00	21.15	2.95	1.40	1.80	5.20	5.80		
21	4.60	12.90	1.95	12.15	176.40	44.00	19.50	3.30	1.25	1.85	5.10	5.50		
22	6.15	13.80	2.45	11.85	138.00	73.40	17.40	3.40	1.20	1.70	5.20	4.70		
23	7.95	13.95	4.80	12.60	94.70	98.40	15.30	3.00	1.10	1.60	5.20	3.60		
24	8.25	13.65	10.35	13.80	66.20	102.00	14.70	3.10	1.05	1.95	5.10	3.10		
25	7.95	13.50	10.50	14.25	34.80	92.90	14.25	3.70	1.05	2.60	5.10	3.60		
26	6.90	13.65	8.10	14.25	25.35	84.60	13.80	4.20	1.30	3.30	5.00	3.90		
27	5.90	13.50	5.80	13.65	37.00	79.40	13.95	4.10	1.60	3.90	4.90	4.10		
28	5.20	12.75	5.10	12.75	53.60	81.80	14.10	4.10	1.25	4.40	4.80	4.00		
29	5.00	12.15	4.10	12.15	45.40	94.10	13.95	4.80	1.10	4.70		4.00		
30	4.90	11.70	3.50	11.70	26.70	121.00	13.95	5.40	1.05	4.90		4.40		
31		12.15		12.00	22.80		14.25		1.05	5.20		5.30		
Total	144.40	332.10	221.20	331.15	1940.60	2083.35	2815.55	179.65	84.70	58.50	151.70	152.80	8495.70	CMSDAY
Mean	4.81	10.71	7.37	10.68	62.60	69.45	90.82	5.99	2.73	1.89	5.42	4.93	23.28	CMS
Max	8.25	13.95	14.25	14.85	196.00	186.80	269.50	13.95	6.90	5.20	6.00	5.80	269.50	CMS
Min	3.30	5.40	1.95	3.60	11.40	16.80	13.80	2.80	1.05	0.80	4.80	3.10	0.80	CMS
Runoff	12.48	28.69	19.11	28.61	167.67	180.00	243.26	15.52	7.32	5.05	13.11	13.20	734.03	MCM
Momentary Peak		275.50	CMS, at 22.97 m. (MSL.), at 02.00 Hours, on Oct 4, 2022											
Runoff Yield	15.80	Liters/Second/Square KM.				Momentary Peak Yield		187.02	Liters/Second/Square KM.					

WATER YEAR : 2022**PRACHIN BURI RIVER BASIN****Khlong Phra Prong at Ban Non Suk Phum , Prachin Buri (Kgt.13A)**

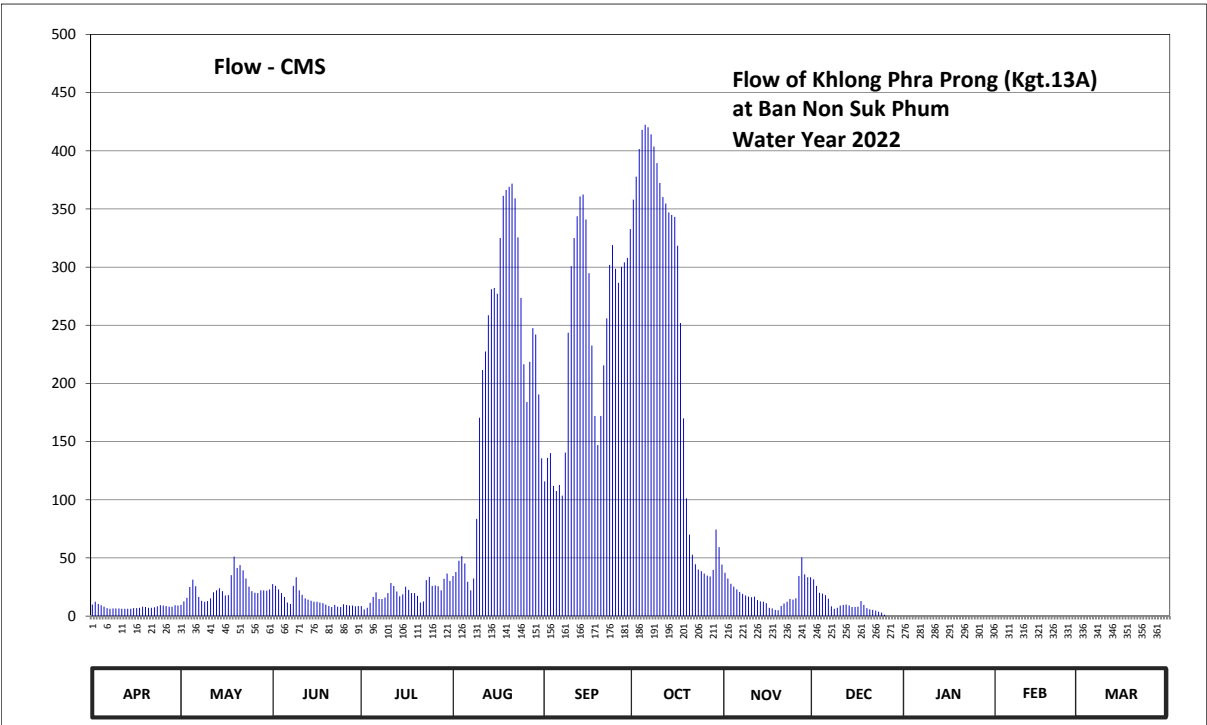
Lat 13 - 54 - 36 N Long 101 - 50 - 18 E

Location : on left bank about 21 kilometers upstream from station Kgt.13

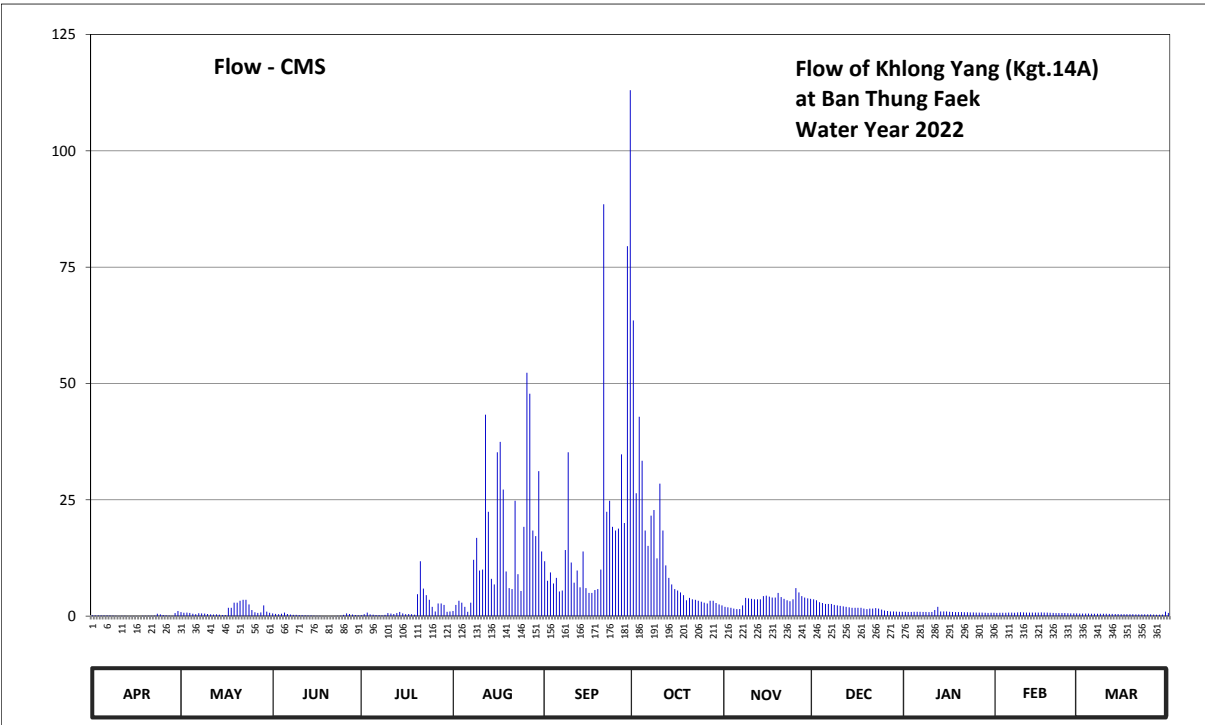
	Ban	Non Suk Phum	Amphoe	Kabin Buri	Changwat	Prachin Buri
Drainge Area	4,890	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the top staff gage.				Elevation	+17.571 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic means of 3 readings					
Period of Available Gage Records	1997 to date					
Rating Operation						
Period of Rating	1999 to date					
Rated by Float	-					
Rated by Current Meter	1999 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 39 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.33	7.32	7.87	7.29	8.07	10.14	14.89	8.15	7.99	6.89	6.88	6.72	
2	7.41	7.42	7.83	7.19	8.17	10.59	15.25	8.01	7.83	6.88	6.91	6.73	
3	7.35	7.52	7.74	7.24	8.44	10.68	15.68	7.88	7.66	6.90	6.90	6.73	
4	7.31	7.80	7.65	7.38	8.54	10.05	15.98	7.81	7.64	6.92	6.93	6.76	
5	7.27	7.98	7.55	7.55	8.38	9.94	16.06	7.74	7.60	6.88	6.95	6.89	
6	7.23	7.82	7.39	7.67	7.93	10.07	16.02	7.68	7.50	6.86	6.94	6.96	
7	7.21	7.55	7.35	7.49	7.72	9.84	15.91	7.63	7.28	6.81	6.92	6.91	
8	7.22	7.44	7.83	7.49	8.01	10.69	15.72	7.59	7.21	6.76	6.88	6.89	
9	7.22	7.41	8.04	7.53	9.34	12.75	15.46	7.56	7.24	6.73	6.93	6.87	
10	7.22	7.43	7.72	7.65	11.29	13.85	15.15	7.54	7.30	6.70	6.95	6.86	
11	7.21	7.51	7.61	7.90	12.11	14.29	14.93	7.56	7.32	6.69	6.94	6.89	
12	7.21	7.67	7.51	7.83	12.43	14.63	14.83	7.46	7.33	6.71	6.94	6.92	
13	7.21	7.72	7.47	7.69	13.05	14.94	14.69	7.42	7.30	6.73	6.94	6.93	
14	7.21	7.77	7.44	7.57	13.49	14.97	14.65	7.41	7.26	6.74	6.95	6.94	
15	7.23	7.70	7.41	7.62	13.51	14.58	14.62	7.37	7.26	6.75	6.94	6.94	
16	7.23	7.59	7.41	7.81	13.42	13.74	14.17	7.24	7.27	6.75	6.92	6.94	
17	7.24	7.60	7.39	7.73	14.29	12.53	12.92	7.22	7.43	6.71	6.92	6.94	
18	7.27	8.09	7.37	7.65	14.95	11.32	11.28	7.18	7.32	6.69	6.90	6.93	
19	7.26	8.53	7.33	7.65	15.04	10.82	9.78	7.17	7.23	6.66	6.87	6.95	
20	7.24	8.27	7.29	7.58	15.09	11.32	9.00	7.29	7.19	6.64	6.83	6.96	
21	7.24	8.34	7.26	7.39	15.14	12.19	8.57	7.36	7.18	6.62	6.84	6.93	
22	7.25	8.21	7.32	7.42	14.91	13.00	8.36	7.41	7.16	6.62	6.85	6.93	
23	7.28	8.01	7.27	7.97	14.30	13.87	8.23	7.49	7.13	6.60	6.85	6.90	
24	7.31	7.81	7.26	8.05	13.35	14.18	8.19	7.47	7.10	6.57	6.85	6.84	
25	7.30	7.70	7.34	7.83	12.21	13.81	8.13	7.51	7.04	6.56	6.84	6.79	
26	7.29	7.66	7.32	7.84	11.56	13.59	8.08	8.07	7.00	6.58	6.84	6.80	
27	7.27	7.65	7.30	7.82	12.25	13.84	8.06	8.51	6.98	6.63	6.83	6.82	
28	7.27	7.72	7.30	7.72	12.83	13.91	8.22	8.11	6.97	6.69	6.81	6.82	
29	7.31	7.72	7.28	8.00	12.72	13.98	9.11	8.04	6.94	6.78		6.80	
30	7.30	7.71	7.29	8.13	11.69	14.43	8.73	8.04	6.92	6.86		6.83	
31		7.74		7.95	10.58		8.35		6.90	6.88		6.82	
Mean	7.26	7.76	7.47	7.67	11.77	12.62	12.23	7.63	7.27	6.74	6.89	6.87	
Max	7.41	8.53	8.04	8.13	15.14	14.97	16.06	8.51	7.99	6.92	6.95	6.96	16.06
Min	7.21	7.32	7.26	7.19	7.72	9.84	8.06	7.17	6.90	6.56	6.81	6.72	6.56
Annual Max Momentary Gage Height	16.07		m. (MSL.) ,			at 08.00 Hours, on Oct 5, 2022							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	5.25	m. (MSL.)					
Left Bank Elevation	17.73		m. (MSL.) ,										
Right Bank Elevation	16.88		m. (MSL.) ,			Drainage Are	4,890	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	9.90	9.60	27.45	8.70	34.45	115.80	357.95	37.25	31.65	0.00	0.00	0.00	
2	12.30	12.60	26.05	5.70	37.95	136.05	377.75	32.35	26.05	0.00	0.00	0.00	
3	10.50	15.60	22.90	7.20	47.60	140.10	401.40	27.80	20.10	0.00	0.00	0.00	
4	9.30	25.00	19.75	11.40	51.60	112.00	417.90	25.35	19.40	0.00	0.00	0.00	
5	8.10	31.30	16.50	16.50	45.30	107.60	422.30	22.90	18.00	0.00	0.00	0.00	
6	6.90	25.70	11.70	20.45	29.55	112.80	420.10	20.80	15.00	0.00	0.00	0.00	
7	6.30	16.50	10.50	14.70	22.20	103.60	414.05	19.05	8.40	0.00	0.00	0.00	
8	6.60	13.20	26.05	14.70	32.35	140.55	403.60	17.70	6.30	0.00	0.00	0.00	
9	6.60	12.30	33.40	15.90	83.60	243.50	389.30	16.80	7.20	0.00	0.00	0.00	
10	6.60	12.90	22.20	19.75	170.50	300.75	372.25	16.20	9.00	0.00	0.00	0.00	
11	6.30	15.30	18.35	28.50	211.50	324.95	360.15	16.80	9.60	0.00	0.00	0.00	
12	6.30	20.45	15.30	26.05	227.50	343.65	354.65	13.80	9.90	0.00	0.00	0.00	
13	6.30	22.20	14.10	21.15	258.50	360.70	346.95	12.60	9.00	0.00	0.00	0.00	
14	6.30	23.95	13.20	17.10	280.95	362.35	344.75	12.30	7.80	0.00	0.00	0.00	
15	6.90	21.50	12.30	18.70	282.05	340.90	343.10	11.10	7.80	0.00	0.00	0.00	
16	6.90	17.70	12.30	25.35	277.10	294.70	318.35	7.20	8.10	0.00	0.00	0.00	
17	7.20	18.00	11.70	22.55	324.95	232.50	252.00	6.60	12.90	0.00	0.00	0.00	
18	8.10	35.15	11.10	19.75	361.25	172.00	170.00	5.40	9.60	0.00	0.00	0.00	
19	7.80	51.20	9.90	19.75	366.20	147.00	101.20	5.10	6.90	0.00	0.00	0.00	
20	7.20	41.45	8.70	17.40	368.95	172.00	70.00	8.70	5.70	0.00	0.00	0.00	
21	7.20	43.90	7.80	11.70	371.70	215.50	52.80	10.80	5.40	0.00	0.00	0.00	
22	7.50	39.35	9.60	12.60	359.05	256.00	44.60	12.30	4.80	0.00	0.00	0.00	
23	8.40	32.35	8.10	30.95	325.50	301.85	40.05	14.70	3.90	0.00	0.00	0.00	
24	9.30	25.35	7.80	33.75	273.50	318.90	38.65	14.10	3.00	0.00	0.00	0.00	
25	9.00	21.50	10.20	26.05	216.50	298.55	36.55	15.30	1.20	0.00	0.00	0.00	
26	8.70	20.10	9.60	26.40	184.00	286.45	34.80	34.45	0.00	0.00	0.00	0.00	
27	8.10	19.75	9.00	25.70	218.50	300.20	34.10	50.40	0.00	0.00	0.00	0.00	
28	8.10	22.20	9.00	22.20	247.50	304.05	39.70	35.85	0.00	0.00	0.00	0.00	
29	9.30	22.20	8.40	32.00	242.00	307.90	74.40	33.40	0.00	0.00		0.00	
30	9.00	21.85	8.70	36.55	190.50	332.65	59.20	33.40	0.00	0.00		0.00	
31		22.90		30.25	135.60		44.25		0.00	0.00		0.00	
Total	237.00	733.05	431.65	639.45	6278.40	7185.55	7136.85	590.50	266.70	0.00	0.00	0.00	23499.15 CMSDAY
Mean	7.90	23.65	14.39	20.63	202.53	239.52	230.22	19.68	8.60	0.00	0.00	0.00	64.38 CMS
Max	12.30	51.20	33.40	36.55	371.70	362.35	422.30	50.40	31.65	0.00	0.00	0.00	422.30 CMS
Min	6.30	9.60	7.80	5.70	22.20	103.60	34.10	5.10	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	20.48	63.34	37.29	55.25	542.45	620.83	616.62	51.02	23.04	0.00	0.00	0.00	2030.33 MCM
Momentary Peak	422.85	CMS, at 16.07 m. (MSL.), at 08.00 Hours, on Oct 5, 2022											
Runoff Yield	13.17	Liters/Second/Square KM.		Momentary Peak Yield		86.47	Liters/Second/Square KM.						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.16	0.84	0.58	0.22	1.10	11.80	63.55	2.00	3.60	0.92	0.68	0.56	
2	0.14	0.72	0.48	0.42	2.40	7.60	26.40	1.90	3.40	0.90	0.72	0.56	
3	0.12	0.74	0.42	0.74	3.30	9.40	42.85	1.80	3.00	0.90	0.72	0.54	
4	0.14	0.70	0.52	0.38	2.90	7.00	33.40	1.60	2.80	0.94	0.72	0.54	
5	0.14	0.52	0.76	0.30	2.00	8.20	18.40	1.50	2.60	0.92	0.74	0.50	
6	0.14	0.40	0.46	0.24	0.94	5.30	15.10	1.50	2.60	0.92	0.74	0.50	
7	0.14	0.60	0.34	0.20	2.90	5.50	21.60	2.30	2.60	0.90	0.72	0.50	
8	0.10	0.58	0.28	0.16	12.10	14.20	22.80	3.90	2.40	0.88	0.78	0.50	
9	0.06	0.54	0.26	0.28	16.80	35.20	12.40	3.80	2.30	0.86	0.82	0.50	
10	0.04	0.46	0.22	0.64	9.80	11.50	28.45	3.70	2.20	0.88	0.80	0.50	
11	0.06	0.38	0.20	0.56	10.00	7.20	18.40	3.60	2.10	1.30	0.76	0.48	
12	0.06	0.34	0.18	0.44	43.30	9.80	10.90	3.60	2.00	2.00	0.74	0.48	
13	0.04	0.36	0.14	0.64	22.40	6.20	8.20	3.60	1.90	1.00	0.74	0.46	
14	0.02	0.30	0.12	0.88	8.00	13.90	6.80	4.30	1.80	1.00	0.74	0.44	
15	0.02	0.24	0.10	0.58	6.80	6.00	5.80	4.40	1.80	1.00	0.76	0.42	
16	0.02	0.24	0.08	0.42	35.20	5.00	5.50	4.20	1.80	0.94	0.80	0.42	
17	0.00	1.80	0.06	0.44	37.45	5.00	5.10	4.00	1.80	0.90	0.76	0.42	
18	0.06	1.80	0.04	0.40	27.20	5.60	4.50	4.00	1.60	0.86	0.74	0.40	
19	0.08	2.90	0.02	0.32	9.60	5.80	3.40	5.00	1.50	0.84	0.72	0.40	
20	0.06	2.90	0.00	4.70	6.00	10.00	3.90	4.10	1.60	0.84	0.70	0.38	
21	0.06	3.30	0.02	11.80	5.80	88.50	3.60	3.70	1.60	0.82	0.66	0.36	
22	0.10	3.50	0.04	5.90	24.80	22.40	3.50	3.40	1.70	0.82	0.66	0.38	
23	0.50	3.50	0.06	4.50	9.00	24.80	3.30	3.20	1.60	0.80	0.66	0.38	
24	0.38	2.50	0.10	3.50	5.40	19.20	3.10	3.60	1.40	0.78	0.66	0.38	
25	0.24	1.30	0.26	2.00	19.20	18.40	2.90	6.00	1.20	0.76	0.62	0.36	
26	0.16	0.82	0.58	0.98	52.30	18.80	2.70	5.10	1.10	0.76	0.58	0.34	
27	0.10	0.68	0.44	2.70	47.80	34.75	3.30	4.30	1.00	0.74	0.58	0.32	
28	0.08	0.78	0.34	2.70	18.40	20.00	3.30	4.00	1.00	0.72	0.58	0.30	
29	0.64	2.30	0.24	2.40	17.20	79.50	2.80	3.80	0.96	0.70		0.34	
30	1.10	0.96	0.18	0.92	31.15	113.00	2.50	3.70	0.94	0.72		0.96	
31		0.72		0.98	13.90		2.30		0.92	0.72		0.68	
Total	4.96	37.72	7.52	51.34	505.14	629.55	390.75	105.60	58.82	28.04	19.90	14.30	1853.64 CMSDAY
Mean	0.17	1.22	0.25	1.66	16.29	20.98	12.60	3.52	1.90	0.90	0.71	0.46	5.08 CMS
Max	1.10	3.50	0.76	11.80	52.30	113.00	63.55	6.00	3.60	2.00	0.82	0.96	113.00 CMS
Min	0.00	0.24	0.00	0.16	0.94	5.00	2.30	1.50	0.92	0.70	0.58	0.30	0.00 CMS
Runoff	0.43	3.26	0.65	4.44	43.64	54.39	33.76	9.12	5.08	2.42	1.72	1.24	160.15 MCM
Momentary Peak	161.35	CMS, at 39.57 m. (MSL.), at 02.00 Hours, on Sep 30, 2022											
Runoff Yield	14.39	Liters/Second/Square KM.			Momentary Peak Yield		457.08	Liters/Second/Square KM.					

WATER YEAR : 2022**PRACHIN BURI RIVER BASIN****Huai Samong at Ban Kaeng Din So , Prachin Buri (Kgt.15B)**

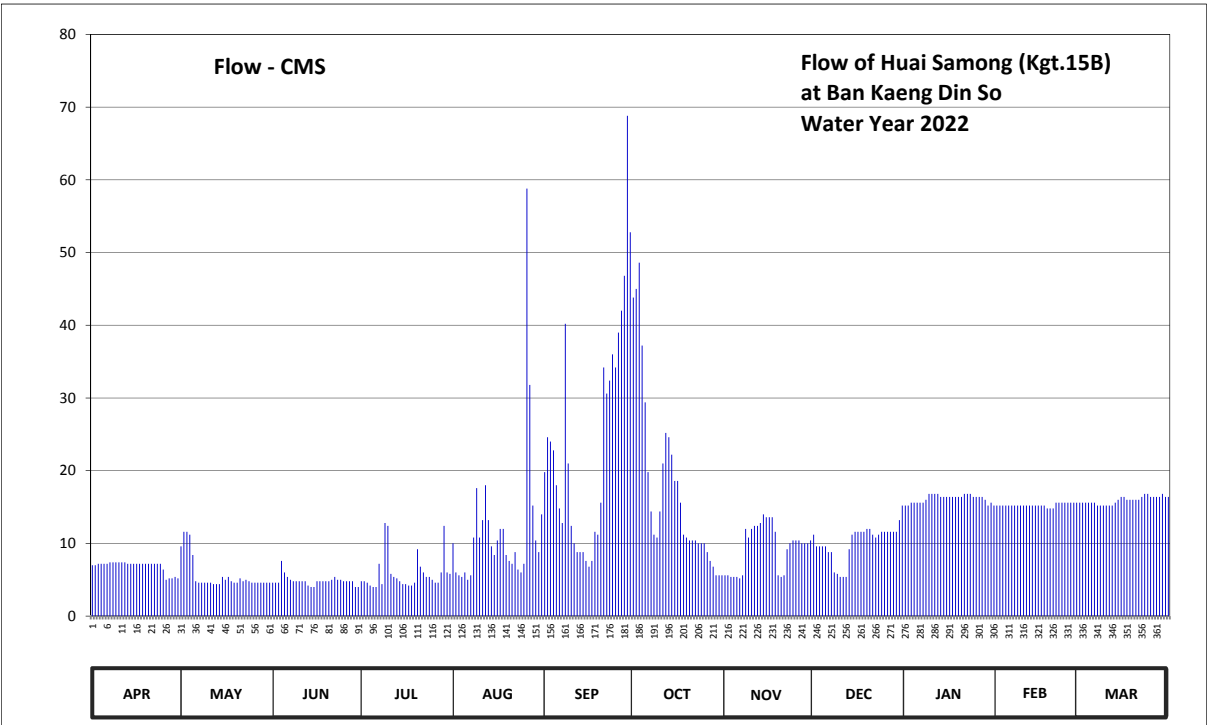
Lat 14 - 03 - 53 N Long 101 - 55 - 25 E

Location : on right bank at Ban Kaeng Din So about 1 kilometer upstream from the Kgt.15 Station.

	Ban	Kaeng Din So	Amphoe	Na Di	Changwat	Prachin Buri
Drainge Area	562	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+12.370	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	In front of the station office and near the rain gage.				Elevation	+22.396 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2022 to date					
Rating Operation						
Period of Rating	2022 to date					
Rated by Float	-					
Rated by Current Meter	2022 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Flow effected by the local weir.					
	Stage-discharge relation defined by 38 discharge measurements made in 2022.					

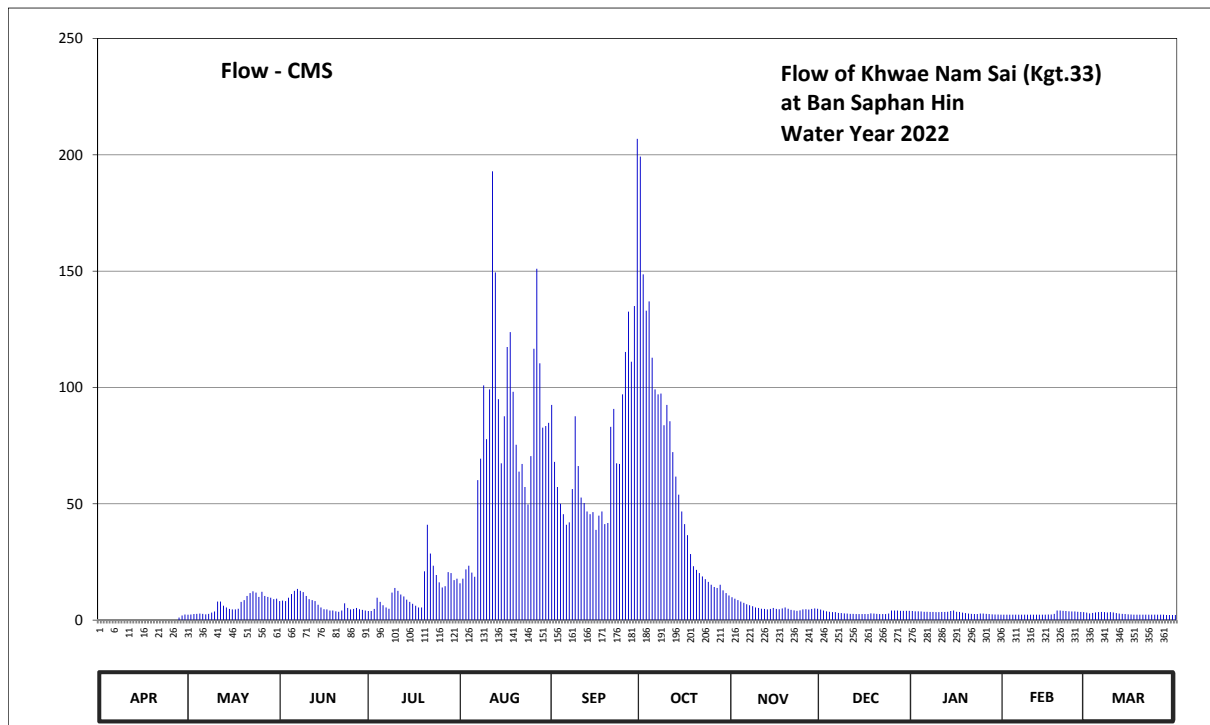
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	15.80	15.69	15.53	15.54	15.70	15.93	16.33	15.58	15.73	15.83	15.83	15.84	
2	15.80	15.74	15.53	15.54	15.60	16.01	16.35	15.58	15.69	15.83	15.83	15.84	
3	15.81	15.74	15.53	15.53	15.58	16.00	16.41	15.57	15.69	15.84	15.83	15.84	
4	15.81	15.73	15.64	15.51	15.57	15.98	16.22	15.57	15.69	15.84	15.83	15.84	
5	15.81	15.66	15.60	15.50	15.60	15.90	16.09	15.57	15.69	15.84	15.83	15.84	
6	15.81	15.54	15.57	15.50	15.55	15.82	15.93	15.56	15.67	15.84	15.83	15.84	
7	15.82	15.53	15.55	15.63	15.58	15.77	15.81	15.58	15.67	15.84	15.83	15.83	
8	15.82	15.53	15.54	15.52	15.72	16.27	15.73	15.75	15.60	15.85	15.83	15.83	
9	15.82	15.53	15.54	15.77	15.89	15.95	15.72	15.72	15.59	15.87	15.83	15.83	
10	15.82	15.53	15.54	15.76	15.72	15.76	15.81	15.75	15.57	15.87	15.83	15.83	
11	15.82	15.53	15.54	15.59	15.78	15.70	15.95	15.76	15.57	15.87	15.83	15.83	
12	15.82	15.52	15.54	15.57	15.90	15.67	16.02	15.76	15.57	15.87	15.83	15.83	
13	15.81	15.52	15.51	15.56	15.78	15.67	16.01	15.77	15.68	15.86	15.83	15.84	
14	15.81	15.52	15.50	15.54	15.69	15.67	15.97	15.80	15.73	15.86	15.83	15.85	
15	15.81	15.57	15.50	15.52	15.66	15.64	15.91	15.79	15.74	15.86	15.83	15.86	
16	15.81	15.55	15.54	15.52	15.71	15.62	15.91	15.79	15.74	15.86	15.83	15.86	
17	15.81	15.57	15.54	15.51	15.75	15.64	15.84	15.79	15.74	15.86	15.83	15.85	
18	15.81	15.54	15.54	15.51	15.75	15.74	15.73	15.74	15.74	15.86	15.82	15.85	
19	15.81	15.53	15.54	15.53	15.66	15.73	15.72	15.58	15.75	15.86	15.82	15.85	
20	15.81	15.53	15.54	15.68	15.64	15.84	15.71	15.57	15.75	15.86	15.82	15.85	
21	15.81	15.56	15.55	15.62	15.63	16.17	15.71	15.58	15.73	15.87	15.84	15.85	
22	15.81	15.54	15.57	15.60	15.67	16.11	15.71	15.68	15.72	15.87	15.84	15.86	
23	15.81	15.55	15.55	15.57	15.61	16.14	15.70	15.70	15.73	15.87	15.84	15.87	
24	15.81	15.54	15.55	15.57	15.60	16.20	15.70	15.71	15.74	15.86	15.84	15.87	
25	15.77	15.53	15.54	15.55	15.63	16.17	15.70	15.71	15.74	15.86	15.84	15.86	
26	15.70	15.53	15.54	15.53	16.58	16.25	15.67	15.71	15.74	15.86	15.84	15.86	
27	15.71	15.53	15.54	15.53	16.13	16.30	15.64	15.70	15.74	15.86	15.84	15.86	
28	15.71	15.53	15.54	15.60	15.83	16.38	15.62	15.70	15.74	15.85	15.84	15.86	
29	15.72	15.53	15.50	15.76	15.71	16.71	15.58	15.70	15.74	15.83		15.87	
30	15.71	15.53	15.50	15.60	15.67	16.48	15.58	15.71	15.78	15.84		15.86	
31		15.53		15.59	15.80		15.58		15.83	15.83		15.86	
Mean	15.79	15.56	15.54	15.58	15.73	15.97	15.85	15.68	15.70	15.85	15.83	15.85	
Max	15.82	15.74	15.64	15.77	16.58	16.71	16.41	15.80	15.83	15.87	15.84	15.87	16.71
Min	15.70	15.52	15.50	15.50	15.55	15.62	15.58	15.56	15.57	15.83	15.82	15.83	15.50
Annual Max Momentary Gage Height	17.10		m. (MSL.) ,			at 19.00 Hours, on Sep 8, 2022							
Zero Gage at Bottom Elevation	12.37		m. (MSL.) ,			River Bed	12.26	m. (MSL.)					
Left Bank Elevation	20.18		m. (MSL.) ,										
Right Bank Elevation	21.04		m. (MSL.) ,			Drainage Are	562	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.00	9.60	4.60	4.80	10.00	19.80	43.80	5.60	11.20	15.20	15.20	15.60	
2	7.00	11.60	4.60	4.80	6.00	24.60	45.00	5.60	9.60	15.20	15.20	15.60	
3	7.20	11.60	4.60	4.60	5.60	24.00	48.60	5.40	9.60	15.60	15.20	15.60	
4	7.20	11.20	7.60	4.20	5.40	22.80	37.20	5.40	9.60	15.60	15.20	15.60	
5	7.20	8.40	6.00	4.00	6.00	18.00	29.40	5.40	9.60	15.60	15.20	15.60	
6	7.20	4.80	5.40	4.00	5.00	14.80	19.80	5.20	8.80	15.60	15.20	15.60	
7	7.40	4.60	5.00	7.20	5.60	12.80	14.40	5.60	8.80	15.60	15.20	15.20	
8	7.40	4.60	4.80	4.40	10.80	40.20	11.20	12.00	6.00	16.00	15.20	15.20	
9	7.40	4.60	4.80	12.80	17.60	21.00	10.80	10.80	5.80	16.80	15.20	15.20	
10	7.40	4.60	4.80	12.40	10.80	12.40	14.40	12.00	5.40	16.80	15.20	15.20	
11	7.40	4.60	4.80	5.80	13.20	10.00	21.00	12.40	5.40	16.80	15.20	15.20	
12	7.40	4.40	4.80	5.40	18.00	8.80	25.20	12.40	5.40	16.80	15.20	15.20	
13	7.20	4.40	4.20	5.20	13.20	8.80	24.60	12.80	9.20	16.40	15.20	15.60	
14	7.20	4.40	4.00	4.80	9.60	8.80	22.20	14.00	11.20	16.40	15.20	16.00	
15	7.20	5.40	4.00	4.40	8.40	7.60	18.60	13.60	11.60	16.40	15.20	16.40	
16	7.20	5.00	4.80	4.40	10.40	6.80	18.60	13.60	11.60	16.40	15.20	16.40	
17	7.20	5.40	4.80	4.20	12.00	7.60	15.60	13.60	11.60	16.40	15.20	16.00	
18	7.20	4.80	4.80	4.20	12.00	11.60	11.20	11.60	11.60	16.40	14.80	16.00	
19	7.20	4.60	4.80	4.60	8.40	11.20	10.80	5.60	12.00	16.40	14.80	16.00	
20	7.20	4.60	4.80	9.20	7.60	15.60	10.40	5.40	12.00	16.40	14.80	16.00	
21	7.20	5.20	5.00	6.80	7.20	34.20	10.40	5.60	11.20	16.80	15.60	16.00	
22	7.20	4.80	5.40	6.00	8.80	30.60	10.40	9.20	10.80	16.80	15.60	16.40	
23	7.20	5.00	5.00	5.40	6.40	32.40	10.00	10.00	11.20	16.80	15.60	16.80	
24	7.20	4.80	5.00	5.40	6.00	36.00	10.00	10.40	11.60	16.40	15.60	16.80	
25	6.40	4.60	4.80	5.00	7.20	34.20	10.00	10.40	11.60	16.40	15.60	16.40	
26	5.00	4.60	4.80	4.60	58.80	39.00	8.80	10.40	11.60	16.40	15.60	16.40	
27	5.20	4.60	4.80	4.60	31.80	42.00	7.60	10.00	11.60	16.40	15.60	16.40	
28	5.20	4.60	4.80	6.00	15.20	46.80	6.80	10.00	11.60	16.00	15.60	16.40	
29	5.40	4.60	4.00	12.40	10.40	68.80	5.60	10.00	11.60	15.20		16.80	
30	5.20	4.60	4.00	6.00	8.80	52.80	5.60	10.40	13.20	15.60		16.40	
31		4.60		5.80	14.00		5.60		15.20	15.20		16.40	
Total	206.00	175.20	145.60	183.40	370.20	724.00	543.60	284.40	317.20	500.80	427.60	494.40	4372.40 CMSDAY
Mean	6.87	5.65	4.85	5.92	11.94	24.13	17.54	9.48	10.23	16.15	15.27	15.95	11.98 CMS
Max	7.40	11.60	7.60	12.80	58.80	68.80	48.60	14.00	15.20	16.80	15.60	16.80	68.80 CMS
Min	5.00	4.40	4.00	4.00	5.00	6.80	5.60	5.20	5.40	15.20	14.80	15.20	4.00 CMS
Runoff	17.80	15.14	12.58	15.85	31.99	62.55	46.97	24.57	27.41	43.27	36.94	42.72	377.78 MCM
Momentary Peak	100.00	CMS, at 17.10 m. (MSL.), at 19.00 Hours, on Sep 8, 2022											
Runoff Yield	21.30	Liters/Second/Square KM.		Momentary Peak Yield		177.79	Liters/Second/Square KM.						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.49	4.53	4.96	4.69	5.34	8.10	10.76	5.04	4.75	4.69	4.53	4.62	
2	4.49	4.54	4.97	4.69	5.44	7.40	9.59	5.01	4.71	4.68	4.53	4.59	
3	4.48	4.56	4.96	4.78	5.64	7.04	9.20	4.98	4.68	4.68	4.53	4.61	
4	4.48	4.57	5.03	5.03	5.72	6.80	9.30	4.95	4.66	4.67	4.53	4.63	
5	4.49	4.58	5.11	4.94	5.57	6.65	8.68	4.92	4.64	4.66	4.53	4.64	
6	4.50	4.57	5.18	4.87	5.48	6.48	8.29	4.89	4.64	4.66	4.53	4.65	
7	4.50	4.55	5.22	4.82	7.14	6.52	8.23	4.87	4.61	4.65	4.53	4.64	
8	4.50	4.57	5.18	4.79	7.44	7.01	8.24	4.85	4.60	4.65	4.53	4.63	
9	4.49	4.62	5.15	5.14	8.34	7.96	7.85	4.82	4.59	4.64	4.53	4.64	
10	4.49	4.67	5.07	5.24	7.68	7.34	8.10	4.81	4.58	4.64	4.53	4.63	
11	4.48	4.95	5.00	5.18	8.29	6.89	7.90	4.79	4.57	4.65	4.53	4.60	
12	4.48	4.95	4.98	5.10	10.62	6.81	7.52	4.78	4.57	4.65	4.53	4.58	
13	4.45	4.86	4.96	5.06	9.61	6.69	7.19	4.76	4.56	4.66	4.53	4.57	
14	4.43	4.82	4.88	4.99	8.17	6.65	6.93	4.78	4.56	4.69	4.53	4.56	
15	4.40	4.78	4.82	4.94	7.38	6.68	6.69	4.81	4.56	4.71	4.53	4.55	
16	4.37	4.76	4.77	4.90	7.96	6.39	6.49	4.78	4.56	4.66	4.54	4.54	
17	4.35	4.76	4.76	4.86	8.81	6.63	6.30	4.77	4.56	4.65	4.54	4.53	
18	4.41	4.79	4.71	4.82	8.97	6.69	5.97	4.80	4.59	4.62	4.57	4.53	
19	4.42	4.94	4.71	4.82	8.26	6.49	5.71	4.82	4.58	4.60	4.71	4.53	
20	4.40	4.98	4.68	5.60	7.61	6.51	5.63	4.79	4.57	4.58	4.71	4.53	
21	4.41	5.07	4.66	6.48	7.26	7.83	5.56	4.74	4.56	4.57	4.70	4.53	
22	4.45	5.13	4.71	5.98	7.37	8.05	5.49	4.72	4.56	4.56	4.69	4.53	
23	4.46	5.17	4.91	5.72	7.04	7.38	5.43	4.70	4.56	4.56	4.68	4.53	
24	4.44	5.14	4.81	5.52	6.79	7.37	5.37	4.72	4.58	4.58	4.67	4.53	
25	4.42	5.05	4.76	5.36	7.47	8.23	5.31	4.76	4.71	4.58	4.67	4.53	
26	4.41	5.16	4.78	5.25	8.79	8.75	5.26	4.77	4.71	4.57	4.66	4.53	
27	4.40	5.07	4.81	5.28	9.65	9.19	5.24	4.75	4.71	4.56	4.65	4.53	
28	4.41	5.05	4.77	5.58	8.61	8.63	5.31	4.78	4.70	4.55	4.64	4.52	
29	4.50	5.03	4.74	5.56	7.82	9.25	5.19	4.80	4.70	4.54		4.52	
30	4.54	5.00	4.71	5.41	7.84	10.93	5.13	4.79	4.70	4.54		4.52	
31		5.01		5.44	7.88		5.08		4.70	4.53		4.52	
Mean	4.45	4.85	4.89	5.19	7.61	7.44	6.87	4.82	4.62	4.62	4.58	4.57	
Max	4.54	5.17	5.22	6.48	10.62	10.93	10.76	5.04	4.75	4.71	4.71	4.65	10.93
Min	4.35	4.53	4.66	4.69	5.34	6.39	5.08	4.70	4.56	4.53	4.53	4.52	4.35
Annual Max Momentary Gage Height	11.36		m. (MSL),		at 20.00 Hours, on Sep 30, 2022								
Zero Gage at Bottom Elevation		3.40	m. (MSL),		River Bed	2.68	m. (MSL.)						
Left Bank Elevation		12.97	m. (MSL),										
Right Bank Elevation		13.95	m. (MSL),		Drainage Are	616	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	2.30	8.20	3.90	15.80	92.50	199.20	9.80	4.50	3.90	2.30	3.20	
2	0.00	2.40	8.40	3.90	17.80	68.00	148.60	9.20	4.10	3.80	2.30	2.90	
3	0.00	2.60	8.20	4.80	21.80	57.20	133.00	8.60	3.80	3.80	2.30	3.10	
4	0.00	2.70	9.60	9.60	23.40	50.00	137.00	8.00	3.60	3.70	2.30	3.30	
5	0.00	2.80	11.20	7.80	20.40	45.50	112.80	7.40	3.40	3.60	2.30	3.40	
6	0.00	2.70	12.60	6.40	18.60	41.00	99.15	6.80	3.40	3.60	2.30	3.50	
7	0.00	2.50	13.40	5.40	60.20	42.00	97.05	6.40	3.10	3.50	2.30	3.40	
8	0.00	2.70	12.60	4.90	69.40	56.30	97.40	6.00	3.00	3.50	2.30	3.30	
9	0.00	3.20	12.00	11.80	100.90	87.60	83.75	5.40	2.90	3.40	2.30	3.40	
10	0.00	3.70	10.40	13.80	77.80	66.20	92.50	5.20	2.80	3.40	2.30	3.30	
11	0.00	8.00	9.00	12.60	99.15	52.70	85.50	4.90	2.70	3.50	2.30	3.00	
12	0.00	8.00	8.60	11.00	192.90	50.30	72.20	4.80	2.70	3.50	2.30	2.80	
13	0.00	6.20	8.20	10.20	149.40	46.70	61.70	4.60	2.60	3.60	2.30	2.70	
14	0.00	5.40	6.60	8.80	94.95	45.50	53.90	4.80	2.60	3.90	2.30	2.60	
15	0.00	4.80	5.40	7.80	67.40	46.40	46.70	5.20	2.60	4.10	2.30	2.50	
16	0.00	4.60	4.70	7.00	87.60	38.75	41.25	4.80	2.60	3.60	2.40	2.40	
17	0.00	4.60	4.60	6.20	117.40	44.90	36.50	4.70	2.60	3.50	2.40	2.30	
18	0.00	4.90	4.10	5.40	123.80	46.70	28.40	5.00	2.90	3.20	2.70	2.30	
19	0.00	7.80	4.10	5.40	98.10	41.25	23.20	5.40	2.80	3.00	4.10	2.30	
20	0.00	8.60	3.80	21.00	75.35	41.75	21.60	4.90	2.70	2.80	4.10	2.30	
21	0.00	10.40	3.60	41.00	63.80	83.05	20.20	4.40	2.60	2.70	4.00	2.30	
22	0.00	11.60	4.10	28.60	67.10	90.75	18.80	4.20	2.60	2.60	3.90	2.30	
23	0.00	12.40	7.20	23.40	57.20	67.40	17.60	4.00	2.60	2.60	3.80	2.30	
24	0.00	11.80	5.20	19.40	49.70	67.10	16.40	4.20	2.80	2.80	3.70	2.30	
25	0.00	10.00	4.60	16.20	70.45	97.05	15.20	4.60	4.10	2.80	3.70	2.30	
26	0.00	12.20	4.80	14.00	116.65	115.25	14.20	4.70	4.10	2.70	3.60	2.30	
27	0.00	10.40	5.20	14.60	151.00	132.60	13.80	4.50	4.10	2.60	3.50	2.30	
28	1.10	10.00	4.70	20.60	110.35	111.05	15.20	4.80	4.00	2.50	3.40	2.20	
29	2.00	9.60	4.40	20.20	82.70	135.00	12.80	5.00	4.00	2.40		2.20	
30	2.40	9.00	4.10	17.20	83.40	206.85	11.60	4.90	4.00	2.40		2.20	
31		9.20		17.80	84.80		10.60		4.00	2.30		2.20	
Total	5.50	207.10	213.60	400.70	2469.30	2167.35	1837.80	167.20	100.30	99.30	79.80	82.90	7830.85 CMSDAY
Mean	0.18	6.68	7.12	12.93	79.65	72.24	59.28	5.57	3.24	3.20	2.85	2.67	21.45 CMS
Max	2.40	12.40	13.40	41.00	192.90	206.85	199.20	9.80	4.50	4.10	4.10	3.50	206.85 CMS
Min	0.00	2.30	3.60	3.90	15.80	38.75	10.60	4.00	2.60	2.30	2.20	0.00	CMS
Runoff	0.48	17.89	18.46	34.62	213.35	187.26	158.79	14.45	8.67	8.58	6.89	7.16	676.59 MCM
Momentary Peak	226.20	CMS, at 11.36 m. (MSL.), at 20.00 Hours, on Sep 30, 2022											
Runoff Yield	34.83	Liters/Second/Square KM.			Momentary Peak Yield			367.21 Liters/Second/Square KM.					

WATER YEAR : 2022**PRACHIN BURI RIVER BASIN****Khwaee Hanuman at Ban Wang Man , Prachin Buri (Kgt.34)**

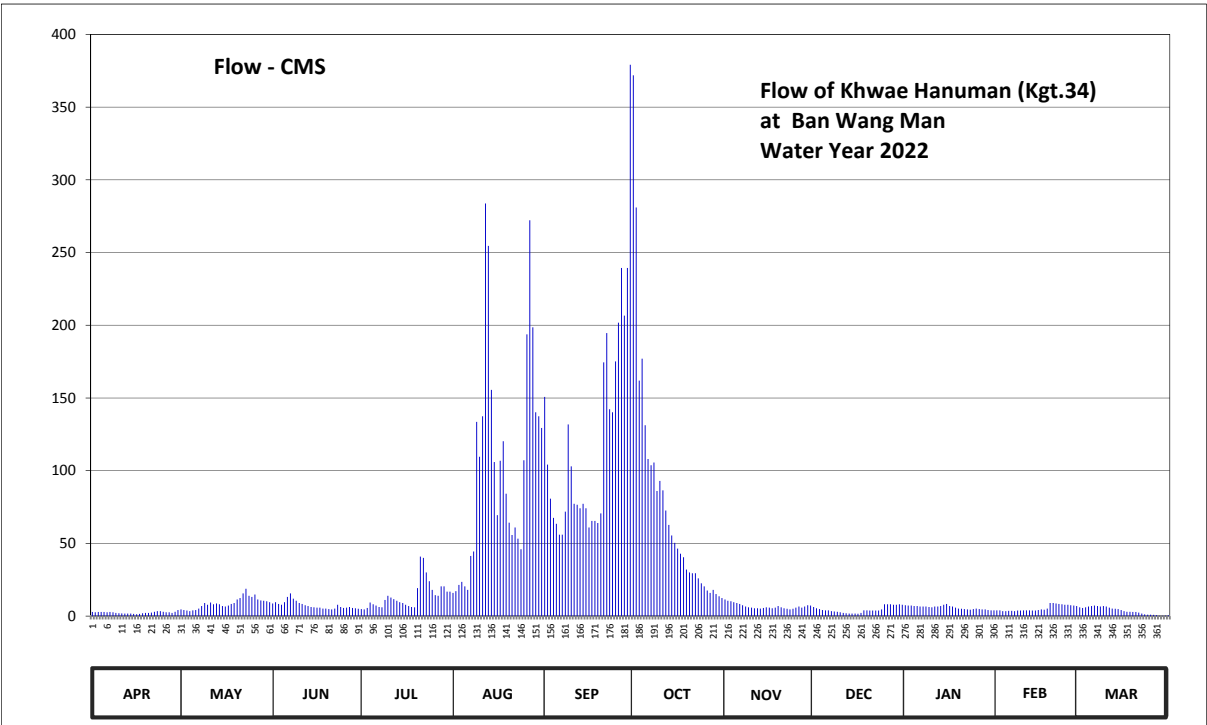
Lat 14 - 06 - 17 N Long 101 - 44 - 39 E

Location : on left bank at the bridge.

	Ban	Wang Man	Amphoe	Na Di	Changwat	Prachin Buri
Drainge Area	1,207	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+3.560	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the abutment of the bridge.				Elevation	+12.474 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	2006 to date					
Rating Operation						
Period of Rating	2006 to date					
Rated by Float	-					
Rated by Current Meter	2006 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 28 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.94	5.03	5.19	5.04	5.40	7.81	10.51	5.28	5.11	5.15	5.00	5.10	
2	4.93	5.01	5.22	5.03	5.43	7.07	9.50	5.25	5.07	5.14	5.00	5.08	
3	4.94	4.99	5.18	5.08	5.53	6.68	9.12	5.24	5.04	5.14	4.97	5.10	
4	4.94	4.97	5.16	5.21	5.57	6.45	9.27	5.22	5.01	5.13	4.97	5.12	
5	4.94	5.00	5.22	5.17	5.51	6.37	8.74	5.20	5.00	5.13	4.98	5.13	
6	4.93	5.01	5.33	5.14	5.45	6.22	8.40	5.18	5.00	5.12	4.98	5.14	
7	4.94	5.06	5.39	5.11	6.27	6.22	8.33	5.15	4.97	5.12	4.97	5.13	
8	4.93	5.13	5.30	5.10	6.62	6.53	8.36	5.12	4.96	5.12	4.99	5.12	
9	4.91	5.20	5.25	5.27	7.56	7.53	8.02	5.10	4.95	5.11	4.99	5.13	
10	4.90	5.16	5.20	5.35	7.16	7.05	8.15	5.09	4.93	5.10	5.00	5.12	
11	4.89	5.21	5.18	5.32	7.62	6.62	8.03	5.07	4.91	5.12	5.00	5.09	
12	4.88	5.17	5.15	5.29	9.53	6.61	7.69	5.07	4.90	5.12	5.00	5.06	
13	4.88	5.19	5.13	5.25	9.17	6.57	7.39	5.06	4.88	5.13	4.99	5.05	
14	4.88	5.17	5.11	5.22	7.88	6.62	7.15	5.08	4.87	5.16	4.99	5.04	
15	4.85	5.13	5.10	5.20	7.10	6.57	6.92	5.10	4.87	5.18	5.01	5.01	
16	4.83	5.12	5.09	5.16	7.61	6.32	6.72	5.09	4.86	5.13	5.03	4.97	
17	4.85	5.14	5.09	5.13	8.38	6.41	6.49	5.07	4.91	5.12	5.02	4.95	
18	4.90	5.18	5.06	5.11	8.59	6.41	6.07	5.09	5.00	5.09	5.06	4.95	
19	4.91	5.20	5.06	5.10	7.98	6.38	5.74	5.13	5.00	5.06	5.20	4.94	
20	4.91	5.28	5.04	5.48	7.44	6.51	5.70	5.10	4.99	5.05	5.20	4.94	
21	4.92	5.31	5.03	6.19	7.16	8.15	5.69	5.07	4.99	5.04	5.19	4.92	
22	4.95	5.39	5.06	5.92	7.33	8.42	5.69	5.05	4.99	5.03	5.18	4.87	
23	4.97	5.47	5.16	5.70	7.06	7.69	5.62	5.03	4.99	5.02	5.17	4.82	
24	4.97	5.35	5.11	5.58	6.70	7.66	5.55	5.05	5.03	5.04	5.16	4.80	
25	4.95	5.33	5.08	5.45	7.12	8.16	5.51	5.09	5.17	5.06	5.16	4.79	
26	4.93	5.37	5.09	5.36	8.41	8.51	5.44	5.12	5.17	5.04	5.15	4.77	
27	4.93	5.28	5.11	5.35	9.39	8.98	5.40	5.09	5.17	5.03	5.14	4.73	
28	4.91	5.26	5.08	5.51	8.47	8.57	5.45	5.12	5.16	5.03	5.13	4.65	
29	4.95	5.25	5.07	5.51	7.66	8.98	5.38	5.15	5.16	5.01		4.64	
30	5.01	5.24	5.05	5.42	7.62	10.59	5.34	5.14	5.17	5.00		4.66	
31		5.22		5.42	7.49		5.31		5.16	5.00		4.71	
Mean	4.92	5.19	5.14	5.33	7.30	7.29	6.99	5.12	5.01	5.09	5.06	4.95	
Max	5.01	5.47	5.39	6.19	9.53	10.59	10.51	5.28	5.17	5.18	5.20	5.14	10.59
Min	4.83	4.97	5.03	5.03	5.40	6.22	5.31	5.03	4.86	5.00	4.97	4.64	4.64
Annual Max Momentary Gage Height	10.88		m. (MSL.) ,			at 20.00 Hours, on Sep 30, 2022							
Zero Gage at Bottom Elevation		3.56	m. (MSL.) ,			River Bed	1.48	m. (MSL.)					
Left Bank Elevation		11.22	m. (MSL.) ,										
Right Bank Elevation		11.32	m. (MSL.) ,			Drainage Are	1,207	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.80	4.60	8.70	4.80	16.00	150.70	371.90	11.40	6.30	7.50	4.00	6.00	
2	2.60	4.20	9.60	4.60	17.20	104.20	281.00	10.50	5.40	7.20	4.00	5.60	
3	2.80	3.80	8.40	5.60	21.50	80.80	162.00	10.20	4.80	7.20	3.40	6.00	
4	2.80	3.40	7.80	9.30	23.50	67.50	177.00	9.60	4.20	6.90	3.40	6.60	
5	2.80	4.00	9.60	8.10	20.50	63.50	131.20	9.00	4.00	6.90	3.60	6.90	
6	2.60	4.20	13.20	7.20	18.00	56.00	108.00	8.40	4.00	6.60	3.60	7.20	
7	2.80	5.20	15.60	6.30	41.35	56.00	103.80	7.50	3.40	6.60	3.40	6.90	
8	2.60	6.90	12.00	6.00	44.40	71.80	105.60	6.60	3.20	6.60	3.80	6.60	
9	2.20	9.00	10.50	11.10	133.60	131.80	86.00	6.00	3.00	6.30	3.80	6.90	
10	2.00	7.80	9.00	14.00	109.60	103.00	93.00	5.80	2.60	6.00	4.00	6.60	
11	1.90	9.30	8.40	12.80	137.40	77.20	86.50	5.40	2.20	6.60	4.00	5.80	
12	1.80	8.10	7.50	11.70	283.70	76.60	72.60	5.40	2.00	6.60	4.00	5.20	
13	1.80	8.70	6.90	10.50	254.60	74.20	62.70	5.20	1.80	6.90	3.80	5.00	
14	1.80	8.10	6.30	9.60	155.60	77.20	55.50	5.60	1.70	7.80	3.80	4.80	
15	1.50	6.90	6.00	9.00	106.00	74.20	50.40	6.00	1.70	8.40	4.20	4.20	
16	1.30	6.60	5.80	7.80	69.40	61.00	46.40	5.80	1.60	6.90	4.60	3.40	
17	1.50	7.20	5.80	6.90	106.80	65.50	42.90	5.40	2.20	6.60	4.40	3.00	
18	2.00	8.40	5.20	6.30	120.30	65.50	40.43	5.80	4.00	5.80	5.20	3.00	
19	2.20	9.00	5.20	6.00	84.20	64.00	32.00	6.90	4.00	5.20	9.00	2.80	
20	2.20	11.40	4.80	19.20	64.20	70.60	30.00	6.00	3.80	5.00	9.00	2.80	
21	2.40	12.40	4.60	40.95	55.80	174.50	29.50	5.40	3.80	4.80	8.70	2.40	
22	3.00	15.60	5.20	40.05	60.90	194.60	29.50	5.00	3.80	4.60	8.40	1.70	
23	3.40	18.80	7.80	30.00	53.20	142.30	26.00	4.60	3.80	4.40	8.10	1.20	
24	3.40	14.00	6.30	24.00	46.00	140.20	22.50	5.00	4.60	4.80	7.80	1.00	
25	3.00	13.20	5.60	18.00	107.20	175.20	20.50	5.80	8.10	5.20	7.80	0.95	
26	2.60	14.80	5.80	14.40	193.80	201.80	17.60	6.60	8.10	4.80	7.50	0.85	
27	2.60	11.40	6.30	14.00	272.20	239.40	16.00	5.80	8.10	4.60	7.20	0.65	
28	2.20	10.80	5.60	20.50	198.60	206.60	18.00	6.60	7.80	4.60	6.90	0.25	
29	3.00	10.50	5.40	20.50	140.20	239.40	15.20	7.50	7.80	4.20		0.20	
30	4.20	10.20	5.00	16.80	137.40	379.10	13.60	7.20	8.10	4.00		0.30	
31		9.60		16.80	129.40		12.40		7.80	4.00		0.55	
Total	73.80	278.10	223.90	432.80	3222.55	3684.40	2359.73	202.00	137.70	183.60	151.40	115.35	11065.33 CMSDAY
Mean	2.46	8.97	7.46	13.96	103.95	122.81	76.12	6.73	4.44	5.92	5.41	3.72	30.32 CMS
Max	4.20	18.80	15.60	40.95	283.70	379.10	371.90	11.40	8.10	8.40	9.00	7.20	379.10 CMS
Min	1.30	3.40	4.60	4.60	16.00	56.00	12.40	4.60	1.60	4.00	3.40	0.20	0.20 CMS
Runoff	6.38	24.03	19.34	37.39	278.43	318.33	203.88	17.45	11.90	15.86	13.08	9.97	956.04 MCM
Momentary Peak	405.20 CMS, at 10.88 m. (MSL.), at 20.00 Hours, on Sep 30, 2022												
Runoff Yield	25.12	Liters/Second/Square KM.		Momentary Peak Yield		335.70	Liters/Second/Square KM.						

WATER YEAR : 2022**PRACHIN BURI RIVER BASIN****Khlong Phra Phloeng Yai at Ban Phu Ngoen , Sa Kao (Kgt.38)**

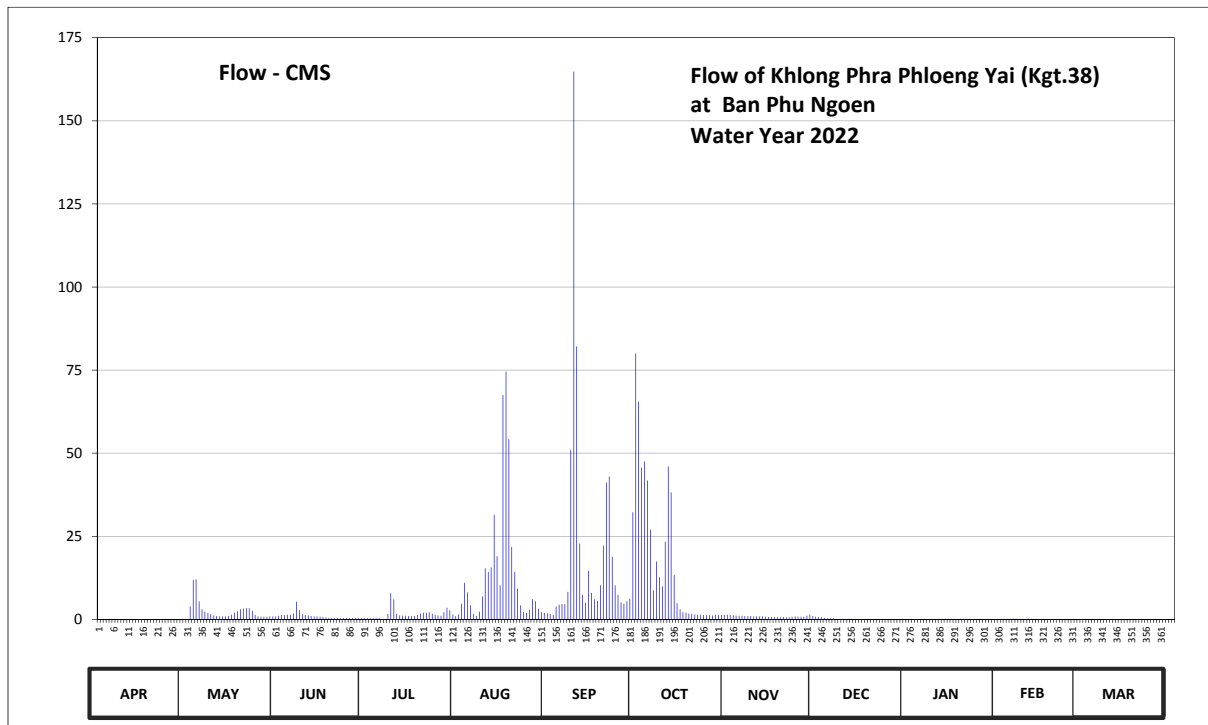
Lat 13 - 36 - 12 N Long 102 - 01 - 55 E

Location : on left bank at the bridge.

	Ban	Phu Ngoen	Amphoe	Khao Chakan	Changwat	Sa Kao
Drainge Area	288	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+0.000	m. (A.D.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the abutment of the bridge.				Elevation	+9.483 m. (A.D.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic means of 3 readings					
Period of Available Gage Records	2008 to date					
Rating Operation						
Period of Rating	2008 to date					
Rated by Float	-					
Rated by Current Meter	2008 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 27 discharge measurements made in 2022.					

Gage Height in Meter (A.D.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.60	1.57	1.71	1.64	1.75	1.76	4.51	1.73	1.67	1.61	1.62	1.56	
2	1.60	1.93	1.73	1.64	1.98	1.73	3.99	1.72	1.66	1.61	1.62	1.55	
3	1.59	2.46	1.73	1.64	2.40	1.92	4.05	1.71	1.65	1.61	1.62	1.55	
4	1.59	2.47	1.74	1.65	2.21	1.96	3.86	1.71	1.64	1.62	1.62	1.55	
5	1.59	2.03	1.74	1.65	1.95	1.97	3.30	1.71	1.64	1.62	1.62	1.54	
6	1.58	1.87	1.78	1.60	1.76	1.97	2.25	1.70	1.64	1.62	1.62	1.54	
7	1.58	1.82	2.02	1.41	1.70	2.22	2.82	1.70	1.62	1.61	1.62	1.54	
8	1.58	1.79	1.85	1.76	1.82	4.15	2.51	1.70	1.62	1.61	1.62	1.54	
9	1.58	1.76	1.76	2.19	2.13	5.62	2.33	1.69	1.62	1.61	1.62	1.54	
10	1.57	1.72	1.73	2.07	2.69	4.83	3.12	1.69	1.62	1.61	1.63	1.54	
11	1.57	1.70	1.72	1.77	2.62	3.09	4.00	1.69	1.62	1.62	1.62	1.53	
12	1.57	1.69	1.70	1.72	2.71	2.16	3.74	1.69	1.62	1.62	1.61	1.53	
13	1.56	1.69	1.69	1.71	3.48	2.00	2.56	1.68	1.61	1.62	1.61	1.53	
14	1.56	1.69	1.69	1.71	2.90	2.64	1.99	1.67	1.61	1.62	1.60	1.51	
15	1.55	1.70	1.68	1.70	2.35	2.20	1.87	1.67	1.61	1.62	1.60	1.48	
16	1.54	1.74	1.67	1.70	4.55	2.07	1.81	1.67	1.61	1.62	1.60	1.48	
17	1.54	1.80	1.66	1.70	4.69	2.04	1.80	1.67	1.61	1.62	1.60	1.48	
18	1.53	1.83	1.65	1.74	4.23	2.35	1.78	1.66	1.61	1.62	1.59	1.48	
19	1.52	1.87	1.64	1.78	3.04	3.06	1.77	1.67	1.61	1.62	1.59	1.48	
20	1.50	1.88	1.64	1.80	2.62	3.84	1.75	1.66	1.61	1.62	1.59	1.45	
21	1.49	1.89	1.64	1.80	2.28	3.90	1.74	1.66	1.61	1.62	1.58	1.43	
22	1.49	1.89	1.64	1.81	1.95	2.89	1.74	1.68	1.61	1.61	1.58	1.42	
23	1.49	1.84	1.64	1.77	1.81	2.35	1.73	1.69	1.61	1.61	1.58	1.41	
24	1.49	1.74	1.64	1.74	1.79	2.16	1.73	1.68	1.61	1.61	1.57	1.40	
25	1.50	1.69	1.64	1.72	1.86	2.01	1.73	1.68	1.61	1.61	1.57	1.39	
26	1.50	1.68	1.64	1.71	2.07	1.98	1.72	1.68	1.61	1.61	1.56	1.38	
27	1.50	1.68	1.64	1.81	2.03	2.03	1.74	1.71	1.61	1.61	1.56	1.38	
28	1.51	1.68	1.64	1.90	1.88	2.08	1.74	1.75	1.61	1.61	1.56	1.36	
29	1.51	1.69	1.64	1.85	1.81	3.51	1.73	1.70	1.61	1.61		1.36	
30	1.51	1.69	1.64	1.75	1.79	4.80	1.74	1.68	1.61	1.61		1.37	
31		1.69		1.70	1.78		1.74		1.61	1.61		1.36	
Mean	1.54	1.81	1.70	1.75	2.41	2.71	2.42	1.69	1.62	1.61	1.60	1.47	
Max	1.60	2.47	2.02	2.19	4.69	5.62	4.51	1.75	1.67	1.62	1.63	1.56	5.62
Min	1.49	1.57	1.64	1.41	1.70	1.73	1.72	1.66	1.61	1.61	1.56	1.36	1.36
Annual Max Momentary Gage Height	5.78		m. (A.D.) ,			at 12.00 Hours, on Sep 9, 2022							
Zero Gage at Bottom Elevation		0.00	m. (A.D.) ,			River Bed	0.10	m. (A.D.) ,					
Left Bank Elevation		8.30	m. (A.D.) ,										
Right Bank Elevation		7.69	m. (A.D.) ,			Drainage Are	288	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	1.10	0.40	1.50	1.60	65.50	1.30	0.70	0.10	0.20	0.00	
2	0.00	3.95	1.30	0.40	4.70	1.30	45.70	1.20	0.60	0.10	0.20	0.00	
3	0.00	11.90	1.30	0.40	11.00	3.80	47.50	1.10	0.50	0.10	0.20	0.00	
4	0.00	12.05	1.40	0.50	8.15	4.40	41.80	1.10	0.40	0.20	0.20	0.00	
5	0.00	5.45	1.40	0.50	4.25	4.55	27.00	1.10	0.40	0.20	0.20	0.00	
6	0.00	3.05	1.80	0.00	1.60	4.55	8.75	1.00	0.40	0.20	0.20	0.00	
7	0.00	2.30	5.30	0.00	1.00	8.30	17.40	1.00	0.20	0.10	0.20	0.00	
8	0.00	1.90	2.75	1.60	2.30	51.00	12.65	1.00	0.20	0.10	0.20	0.00	
9	0.00	1.60	1.60	7.85	6.95	164.80	9.95	0.90	0.20	0.10	0.20	0.00	
10	0.00	1.20	1.30	6.05	15.35	82.10	23.40	0.90	0.20	0.10	0.30	0.00	
11	0.00	1.00	1.20	1.70	14.30	22.80	46.00	0.90	0.20	0.20	0.20	0.00	
12	0.00	0.90	1.00	1.20	15.65	7.40	38.20	0.90	0.20	0.20	0.10	0.00	
13	0.00	0.90	0.90	1.10	31.50	5.00	13.40	0.80	0.10	0.20	0.10	0.00	
14	0.00	0.90	0.90	1.10	19.00	14.60	4.85	0.70	0.10	0.20	0.00	0.00	
15	0.00	1.00	0.80	1.00	10.25	8.00	3.05	0.70	0.10	0.20	0.00	0.00	
16	0.00	1.40	0.70	1.00	67.50	6.05	2.15	0.70	0.10	0.20	0.00	0.00	
17	0.00	2.00	0.60	1.00	74.50	5.60	2.00	0.70	0.10	0.20	0.00	0.00	
18	0.00	2.45	0.50	1.40	54.20	10.25	1.80	0.60	0.10	0.20	0.00	0.00	
19	0.00	3.05	0.40	1.80	21.80	22.20	1.70	0.70	0.10	0.20	0.00	0.00	
20	0.00	3.20	0.40	2.00	14.30	41.20	1.50	0.60	0.10	0.20	0.00	0.00	
21	0.00	3.35	0.40	2.00	9.20	43.00	1.40	0.60	0.10	0.20	0.00	0.00	
22	0.00	3.35	0.40	2.15	4.25	18.80	1.40	0.80	0.10	0.10	0.00	0.00	
23	0.00	2.60	0.40	1.70	2.15	10.25	1.30	0.90	0.10	0.10	0.00	0.00	
24	0.00	1.40	0.40	1.40	1.90	7.40	1.30	0.80	0.10	0.10	0.00	0.00	
25	0.00	0.90	0.40	1.20	2.90	5.15	1.30	0.80	0.10	0.10	0.00	0.00	
26	0.00	0.80	0.40	1.10	6.05	4.70	1.20	0.80	0.10	0.10	0.00	0.00	
27	0.00	0.80	0.40	2.15	5.45	5.45	1.40	1.10	0.10	0.10	0.00	0.00	
28	0.00	0.80	0.40	3.50	3.20	6.20	1.40	1.50	0.10	0.10	0.00	0.00	
29	0.00	0.90	0.40	2.75	2.15	32.25	1.30	1.00	0.10	0.10		0.00	
30	0.00	0.90	0.40	1.50	1.90	80.00	1.40	0.80	0.10	0.10		0.00	
31		0.90		1.00	1.80		1.40		0.10	0.10		0.00	
Total	0.00	76.90	30.65	51.45	420.75	682.70	429.10	27.00	6.10	4.50	2.50	0.00	1731.65 CMSDAY
Mean	0.00	2.48	1.02	1.66	13.57	22.76	13.84	0.90	0.20	0.15	0.09	0.00	4.74 CMS
Max	0.00	12.05	5.30	7.85	74.50	164.80	65.50	1.50	0.70	0.20	0.30	0.00	164.80 CMS
Min	0.00	0.00	0.40	0.00	1.00	1.30	1.20	0.60	0.10	0.10	0.00	0.00	0.00 CMS
Runoff	0.00	6.64	2.65	4.45	36.35	58.99	37.07	2.33	0.53	0.39	0.22	0.00	149.61 MCM
Momentary Peak	195.20	CMS, at 5.78 m. (A.D.), at 12.00 Hours, on Sep 9, 2022											
Runoff Yield	16.47	Liters/Second/Square KM.				Momentary Peak Yield		677.64	Liters/Second/Square KM.				

WATER YEAR : 2022**PRACHIN BURI RIVER BASIN****Upper Khlong Phra Sathung at Ban Thung Kabin , Sa Kao (Kgt.40)**

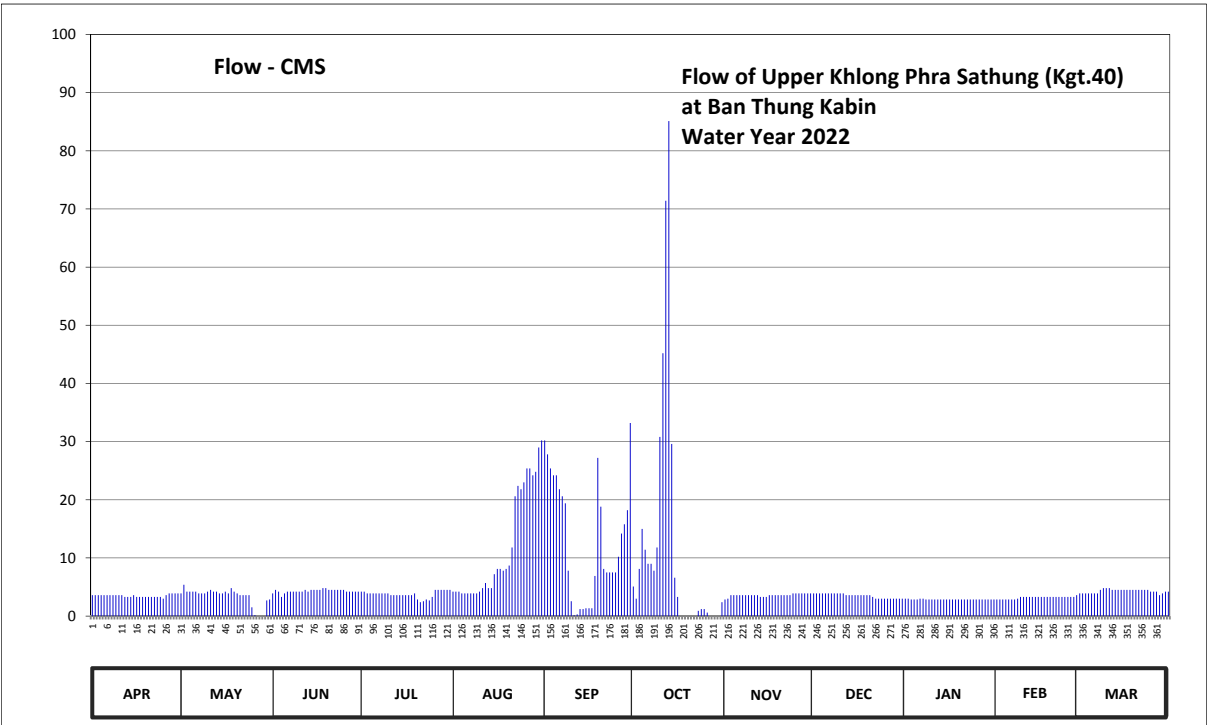
Lat 13 - 26 - 18 N Long 102 - 04 - 49 E

Location : on left bank at the bridge on highway.

	Ban	Thung Kabin	Amphoe	Wang Sombun	Changwat	Sa Kao
Drainge Area	577	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+ 77.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the top staff gage.				Elevation	+85.575 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	2007 to date					
Rating Operation						
Period of Rating	2007 to date					
Rated by Float	-					
Rated by Current Meter	2007 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 24 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	79.42	79.43	79.43	79.44	79.44	80.02	79.47	79.39	79.43	79.40	79.39	79.43	
2	79.42	79.48	79.45	79.44	79.44	79.98	79.40	79.40	79.43	79.40	79.39	79.43	
3	79.42	79.44	79.44	79.43	79.44	79.94	79.57	79.42	79.43	79.39	79.39	79.43	
4	79.42	79.44	79.41	79.43	79.43	79.92	79.75	79.42	79.43	79.39	79.39	79.43	
5	79.42	79.44	79.43	79.43	79.43	79.92	79.66	79.42	79.43	79.39	79.39	79.43	
6	79.42	79.44	79.44	79.43	79.43	79.88	79.60	79.42	79.43	79.40	79.39	79.43	
7	79.42	79.43	79.44	79.43	79.43	79.86	79.60	79.42	79.43	79.40	79.39	79.43	
8	79.42	79.43	79.44	79.43	79.43	79.84	79.56	79.42	79.43	79.39	79.40	79.45	
9	79.42	79.43	79.44	79.43	79.43	79.56	79.67	79.42	79.43	79.39	79.41	79.46	
10	79.42	79.44	79.44	79.43	79.44	79.37	80.03	79.42	79.43	79.39	79.41	79.46	
11	79.42	79.45	79.44	79.42	79.46	79.21	80.27	79.42	79.43	79.39	79.41	79.46	
12	79.41	79.44	79.45	79.42	79.49	79.22	80.63	79.42	79.42	79.39	79.41	79.45	
13	79.41	79.44	79.44	79.42	79.46	79.28	80.79	79.41	79.42	79.39	79.41	79.45	
14	79.41	79.43	79.45	79.42	79.46	79.28	80.01	79.41	79.42	79.39	79.41	79.45	
15	79.42	79.43	79.45	79.42	79.54	79.29	79.52	79.41	79.42	79.39	79.41	79.45	
16	79.41	79.44	79.45	79.42	79.57	79.29	79.41	79.42	79.42	79.39	79.41	79.45	
17	79.41	79.43	79.45	79.42	79.57	79.29	78.79	79.42	79.42	79.39	79.41	79.45	
18	79.41	79.46	79.46	79.42	79.56	79.53	78.74	79.42	79.42	79.39	79.41	79.45	
19	79.41	79.44	79.46	79.43	79.57	79.97	78.66	79.42	79.42	79.39	79.41	79.45	
20	79.41	79.43	79.45	79.39	79.59	79.83	78.65	79.42	79.42	79.39	79.41	79.45	
21	79.41	79.42	79.45	79.36	79.67	79.57	78.66	79.42	79.41	79.39	79.41	79.45	
22	79.41	79.42	79.45	79.37	79.86	79.55	78.90	79.42	79.40	79.39	79.41	79.45	
23	79.41	79.42	79.45	79.39	79.89	79.55	79.26	79.42	79.40	79.39	79.41	79.45	
24	79.41	79.42	79.45	79.38	79.88	79.55	79.28	79.43	79.40	79.39	79.41	79.45	
25	79.40	79.30	79.45	79.41	79.90	79.55	79.28	79.43	79.40	79.39	79.41	79.44	
26	79.42	79.21	79.44	79.45	79.94	79.63	79.24	79.43	79.40	79.39	79.41	79.44	
27	79.43	78.81	79.44	79.45	79.94	79.73	79.19	79.43	79.40	79.39	79.41	79.44	
28	79.43	78.75	79.44	79.45	79.92	79.77	78.88	79.43	79.40	79.39	79.42	79.42	
29	79.43	78.87	79.44	79.45	79.93	79.82	78.82	79.43	79.40	79.39		79.43	
30	79.43	79.38	79.44	79.45	80.00	80.07	78.84	79.43	79.40	79.39		79.44	
31		79.39		79.45	80.02		79.36		79.40	79.39		79.44	
Mean	79.42	79.36	79.44	79.42	79.63	79.64	79.40	79.42	79.42	79.39	79.41	79.44	
Max	79.43	79.48	79.46	79.45	80.02	80.07	80.79	79.43	79.43	79.40	79.42	79.46	80.79
Min	79.40	78.75	79.41	79.36	79.43	79.21	78.65	79.39	79.40	79.39	79.39	79.42	78.65
Annual Max Momentary Gage Height	80.86		m. (MSL.) ,				at 18.00 Hours, on Oct 13, 2022						
Zero Gage at Bottom Elevation		77.00	m. (MSL.) ,			River Bed	76.76	m. (MSL.)					
Left Bank Elevation		86.32	m. (MSL.) ,										
Right Bank Elevation		86.06	m. (MSL.) ,			Drainage Are	577	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023												
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	3.60	3.90	3.90	4.20	4.20	30.20	5.10	2.85	3.90	3.00	2.85	3.90
2	3.60	5.40	4.50	4.20	4.20	27.80	3.00	3.00	3.90	3.00	2.85	3.90
3	3.60	4.20	4.20	3.90	4.20	25.40	8.10	3.60	3.90	2.85	2.85	3.90
4	3.60	4.20	3.30	3.90	3.90	24.20	15.00	3.60	3.90	2.85	2.85	3.90
5	3.60	4.20	3.90	3.90	3.90	24.20	11.40	3.60	3.90	2.85	2.85	3.90
6	3.60	4.20	4.20	3.90	3.90	21.80	9.00	3.60	3.90	3.00	2.85	3.90
7	3.60	3.90	4.20	3.90	3.90	20.60	9.00	3.60	3.90	3.00	2.85	3.90
8	3.60	3.90	4.20	3.90	3.90	19.40	7.80	3.60	3.90	2.85	3.00	4.50
9	3.60	3.90	4.20	3.90	3.90	7.80	11.80	3.60	3.90	2.85	3.30	4.80
10	3.60	4.20	4.20	3.90	4.20	2.55	30.80	3.60	3.90	2.85	3.30	4.80
11	3.60	4.50	4.20	3.60	4.80	0.15	45.20	3.60	3.90	2.85	3.30	4.80
12	3.30	4.20	4.50	3.60	5.70	0.30	71.40	3.60	3.60	2.85	3.30	4.50
13	3.30	4.20	4.20	3.60	4.80	1.20	85.10	3.30	3.60	2.85	3.30	4.50
14	3.30	3.90	4.50	3.60	4.80	1.20	29.60	3.30	3.60	2.85	3.30	4.50
15	3.60	3.90	4.50	3.60	7.20	1.35	6.60	3.30	3.60	2.85	3.30	4.50
16	3.30	4.20	4.50	3.60	8.10	1.35	3.30	3.60	3.60	2.85	3.30	4.50
17	3.30	3.90	4.50	3.60	8.10	1.35	0.00	3.60	3.60	2.85	3.30	4.50
18	3.30	4.80	4.80	3.60	7.80	6.90	0.00	3.60	3.60	2.85	3.30	4.50
19	3.30	4.20	4.80	3.90	8.10	27.20	0.00	3.60	3.60	2.85	3.30	4.50
20	3.30	3.90	4.50	2.85	8.70	18.80	0.00	3.60	3.60	2.85	3.30	4.50
21	3.30	3.60	4.50	2.40	11.80	8.10	0.00	3.60	3.30	2.85	3.30	4.50
22	3.30	3.60	4.50	2.55	20.60	7.50	0.00	3.60	3.00	2.85	3.30	4.50
23	3.30	3.60	4.50	2.85	22.40	7.50	0.90	3.60	3.00	2.85	3.30	4.50
24	3.30	3.60	4.50	2.70	21.80	7.50	1.20	3.90	3.00	2.85	3.30	4.50
25	3.00	1.50	4.50	3.30	23.00	7.50	1.20	3.90	3.00	2.85	3.30	4.20
26	3.60	0.15	4.20	4.50	25.40	10.20	0.60	3.90	3.00	2.85	3.30	4.20
27	3.90	0.00	4.20	4.50	25.40	14.20	0.00	3.90	3.00	2.85	3.30	4.20
28	3.90	0.00	4.20	4.50	24.20	15.80	0.00	3.90	3.00	2.85	3.60	3.60
29	3.90	0.00	4.20	4.50	24.80	18.20	0.00	3.90	3.00	2.85		3.90
30	3.90	2.70	4.20	4.50	29.00	33.20	0.00	3.90	3.00	2.85		4.20
31		2.85		4.50	30.20		2.40		3.00	2.85		4.20
Total	105.00	105.30	129.30	115.95	366.90	393.45	358.50	107.85	108.60	88.95	89.25	133.20
Mean	3.50	3.40	4.31	3.74	11.84	13.12	11.56	3.60	3.50	2.87	3.19	4.30
Max	3.90	5.40	4.80	4.50	30.20	33.20	85.10	3.90	3.90	3.00	3.60	4.80
Min	3.00	0.00	3.30	2.40	3.90	0.15	0.00	2.85	3.00	2.85	2.85	3.60
Runoff	9.07	9.10	11.17	10.02	31.70	33.99	30.97	9.32	9.38	7.69	7.71	11.51
Momentary Peak	91.40	CMS, at 80.86 m. (MSL.), at 18.00 Hours, on Oct 13, 2022										
Runoff Yield	9.98	Liters/Second/Square KM.		Momentary Peak Yield		158.41	Liters/Second/Square KM.					

WATER YEAR : 2022**PRACHIN BURI RIVER BASIN****Khlong Phra Sathung at Ban Tharapha , Sa Kao (Kgt.42)**

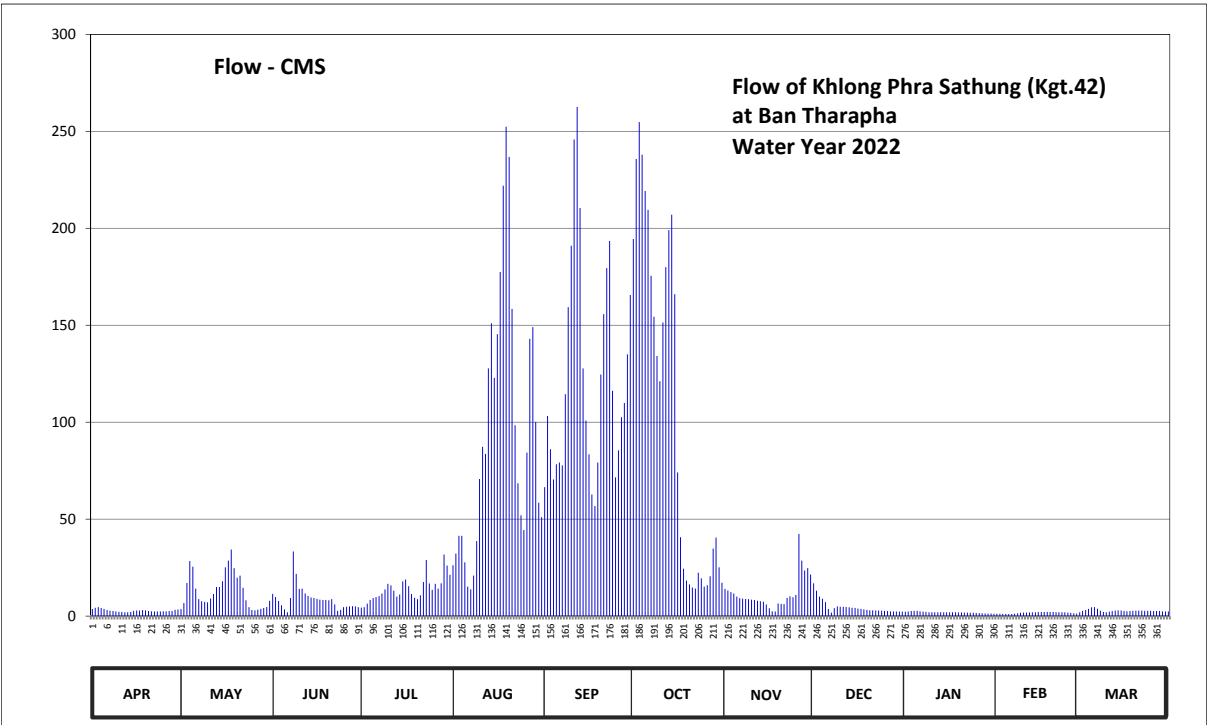
Lat 13 - 53 - 49 N Long 101 - 57 - 18 E

Location : on left bank at the bridge.

	Ban Tharapha	Amphoe Mueang	Changwat Sa Kao
Drainage Area	2,624 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+14.500 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank near the top staff gage.	Elevation	+26.947 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings		
Period of Available Gage Records	2005 to date		
Rating Operation			
Period of Rating	2005 to date		
Rated by Float	-		
Rated by Current Meter	2005 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records very good. Stage-discharge relation defined by 71 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	15.16	15.16	15.95	15.24	17.15	19.28	22.77	16.20	16.49	15.03	14.85	15.00	
2	15.23	15.48	15.78	15.26	17.55	20.54	23.55	16.12	16.11	15.04	14.84	15.07	
3	15.26	16.51	15.58	15.44	18.16	19.97	23.88	16.04	15.81	15.06	14.83	15.11	
4	15.22	17.29	15.36	15.63	18.16	19.44	23.59	15.96	15.69	15.07	14.83	15.17	
5	15.17	17.10	15.15	15.73	17.25	19.71	23.25	15.81	15.52	15.07	14.82	15.25	
6	15.11	16.22	15.00	15.78	16.32	19.74	23.07	15.72	15.17	15.05	14.82	15.26	
7	15.08	15.67	15.73	15.83	16.18	19.69	22.39	15.70	14.96	15.03	14.84	15.18	
8	15.06	15.57	17.62	15.96	16.79	20.87	21.93	15.68	15.21	15.01	14.89	15.08	
9	15.04	15.53	16.85	16.18	17.98	22.04	21.43	15.67	15.30	15.00	14.94	15.01	
10	15.02	15.51	16.20	16.47	19.45	22.70	21.06	15.65	15.29	15.00	14.96	15.00	
11	15.01	15.71	16.22	16.38	20.01	23.73	21.86	15.63	15.28	15.00	14.97	15.03	
12	15.00	15.94	15.97	16.11	19.89	24.01	22.48	15.59	15.27	15.00	14.98	15.06	
13	15.00	16.30	15.84	15.81	21.25	23.09	22.86	15.57	15.25	14.99	14.99	15.09	
14	15.01	16.30	15.76	15.91	21.85	21.25	23.02	15.54	15.23	14.99	15.00	15.10	
15	15.07	16.60	15.73	16.59	21.11	20.46	22.19	15.40	15.22	14.99	15.01	15.09	
16	15.09	17.08	15.69	16.66	21.71	19.88	19.57	15.20	15.19	14.99	15.01	15.06	
17	15.09	17.31	15.65	16.34	22.43	19.13	18.11	15.05	15.17	14.99	15.01	15.05	
18	15.11	17.69	15.63	15.94	23.30	18.89	17.03	15.04	15.15	14.99	15.01	15.06	
19	15.10	17.05	15.63	15.75	23.84	19.74	16.62	15.45	15.12	14.98	15.01	15.07	
20	15.06	16.72	15.62	15.67	23.57	21.16	16.43	15.43	15.10	14.98	15.01	15.08	
21	15.05	16.79	15.67	15.87	22.02	21.96	16.28	15.42	15.10	14.97	15.00	15.08	
22	15.04	16.26	15.40	16.56	20.38	22.47	16.22	15.74	15.09	14.96	15.00	15.08	
23	15.04	15.62	15.07	17.33	19.36	22.75	16.89	15.82	15.09	14.95	15.00	15.07	
24	15.04	15.26	15.12	16.48	18.70	20.92	16.70	15.77	15.08	14.94	14.99	15.07	
25	15.05	15.11	15.26	16.15	18.32	19.48	16.32	15.89	15.07	14.93	14.97	15.07	
26	15.05	15.10	15.29	16.47	19.91	19.95	16.39	18.22	15.06	14.91	14.93	15.06	
27	15.06	15.13	15.30	16.22	21.65	20.52	16.77	17.31	15.05	14.90	14.89	15.06	
28	15.06	15.17	15.31	16.49	21.80	20.74	17.72	16.97	15.04	14.88	14.87	15.06	
29	15.12	15.22	15.30	17.52	20.44	21.45	18.10	17.05	15.04	14.87		15.05	
30	15.14	15.27	15.26	17.14	18.96	22.18	17.08	16.83	15.03	14.86		15.04	
31		15.59		16.82	18.65		16.52		15.03	14.85		15.04	
Mean	15.08	16.04	15.66	16.18	19.81	20.92	19.74	15.92	15.26	14.98	14.94	15.08	
Max	15.26	17.69	17.62	17.52	23.84	24.01	23.88	18.22	16.49	15.07	15.01	15.26	24.01
Min	15.00	15.10	15.00	15.24	16.18	18.89	16.22	15.04	14.96	14.85	14.82	15.00	14.82
Annual Max Momentary Gage Height	24.09		m. (MSL.) ,			at 05.00 Hours, on Sep 12, 2022							
Zero Gage at Bottom Elevation		14.50	m. (MSL.) ,			River Bed	14.23	m. (MSL.)					
Left Bank Elevation		25.93	m. (MSL.) ,										
Right Bank Elevation		25.85	m. (MSL.) ,			Drainage Are	2,624	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.60	3.60	11.50	4.40	26.25	66.50	194.50	14.00	16.90	2.30	1.25	2.00		
2	4.30	6.80	9.80	4.60	32.25	103.20	235.75	13.20	13.10	2.40	1.20	2.70		
3	4.60	17.10	7.80	6.40	41.40	86.10	254.80	12.40	10.10	2.60	1.15	3.10		
4	4.20	28.35	5.60	8.30	41.40	70.50	237.95	11.60	8.90	2.70	1.15	3.70		
5	3.70	25.50	3.50	9.30	27.75	78.30	219.25	10.10	7.20	2.70	1.10	4.50		
6	3.10	14.20	2.00	9.80	15.20	79.20	209.50	9.20	3.70	2.50	1.10	4.60		
7	2.80	8.70	9.30	10.30	13.80	77.70	175.50	9.00	1.80	2.30	1.20	3.80		
8	2.60	7.70	33.30	11.60	20.85	114.45	154.35	8.80	4.10	2.10	1.45	2.80		
9	2.40	7.30	21.75	13.80	38.70	159.30	134.20	8.70	5.00	2.00	1.70	2.10		
10	2.20	7.10	14.00	16.70	70.75	191.00	121.10	8.50	4.90	2.00	1.80	2.00		
11	2.10	9.10	14.20	15.80	87.30	245.80	151.40	8.30	4.80	2.00	1.85	2.30		
12	2.00	11.40	11.70	13.10	83.70	262.60	180.00	7.90	4.70	2.00	1.90	2.60		
13	2.00	15.00	10.40	10.10	127.75	210.50	199.00	7.70	4.50	1.95	1.95	2.90		
14	2.10	15.00	9.60	11.10	151.00	127.75	207.00	7.40	4.30	1.95	2.00	3.00		
15	2.70	18.00	9.30	17.90	122.85	100.80	166.05	6.00	4.20	1.95	2.10	2.90		
16	2.90	25.20	8.90	18.90	145.40	83.40	74.10	4.00	3.90	1.95	2.10	2.60		
17	2.90	28.65	8.50	15.40	177.50	62.75	40.65	2.50	3.70	1.95	2.10	2.50		
18	3.10	34.35	8.30	11.40	222.00	56.75	24.45	2.40	3.50	1.95	2.10	2.60		
19	3.00	24.75	8.30	9.50	252.40	79.20	18.30	6.50	3.20	1.90	2.10	2.70		
20	2.60	19.80	8.20	8.70	236.85	124.60	16.30	6.30	3.00	1.90	2.10	2.80		
21	2.50	20.85	8.70	10.70	158.40	155.70	14.80	6.20	3.00	1.85	2.00	2.80		
22	2.40	14.60	6.00	17.60	98.40	179.50	14.20	9.40	2.90	1.80	2.00	2.80		
23	2.40	8.20	2.70	28.95	68.50	193.50	22.35	10.20	2.90	1.75	2.00	2.70		
24	2.40	4.60	3.20	16.80	52.00	116.20	19.50	9.70	2.80	1.70	1.95	2.70		
25	2.50	3.10	4.60	13.50	44.40	71.50	15.20	10.90	2.70	1.65	1.85	2.70		
26	2.50	3.00	4.90	16.70	84.30	85.50	15.90	42.40	2.60	1.55	1.65	2.60		
27	2.60	3.30	5.00	14.20	143.00	102.60	20.55	28.65	2.50	1.50	1.45	2.60		
28	2.60	3.70	5.10	16.90	149.00	109.90	34.80	23.55	2.40	1.40	1.35	2.60		
29	3.20	4.20	5.00	31.80	100.20	135.00	40.50	24.75	2.40	1.35		2.50		
30	3.40	4.70	4.60	26.10	58.50	165.60	25.20	21.45	2.30	1.30		2.40		
31		7.90		21.30	51.00		17.20		2.30	1.25		2.40		
Total	85.40	405.75	265.75	441.65	2942.80	3695.40	3254.35	351.70	144.30	60.20	47.65	87.00	11781.95	CMSDAY
Mean	2.85	13.09	8.86	14.25	94.93	123.18	104.98	11.72	4.65	1.94	1.70	2.81	32.28	CMS
Max	4.60	34.35	33.30	31.80	252.40	262.60	254.80	42.40	16.90	2.70	2.10	4.60	262.60	CMS
Min	2.00	3.00	2.00	4.40	13.80	56.75	14.20	2.40	1.80	1.25	1.10	2.00	1.10	CMS
Runoff	7.38	35.06	22.96	38.16	254.26	319.28	281.18	30.39	12.47	5.20	4.12	7.52	1017.96	MCM
Momentary Peak	267.40	CMS, at 24.09 m. (MSL.), at 05.00 Hours, on Sep 12, 2022												
Runoff Yield	12.30	Liters/Second/Square KM.		Momentary Peak Yield		101.91	Liters/Second/Square KM.							

WATER YEAR : 2022**PRACHIN BURI RIVER BASIN****Khwaee Hanuman at Ban Na Khaem, Prachin Buri (Kgt.43A)**

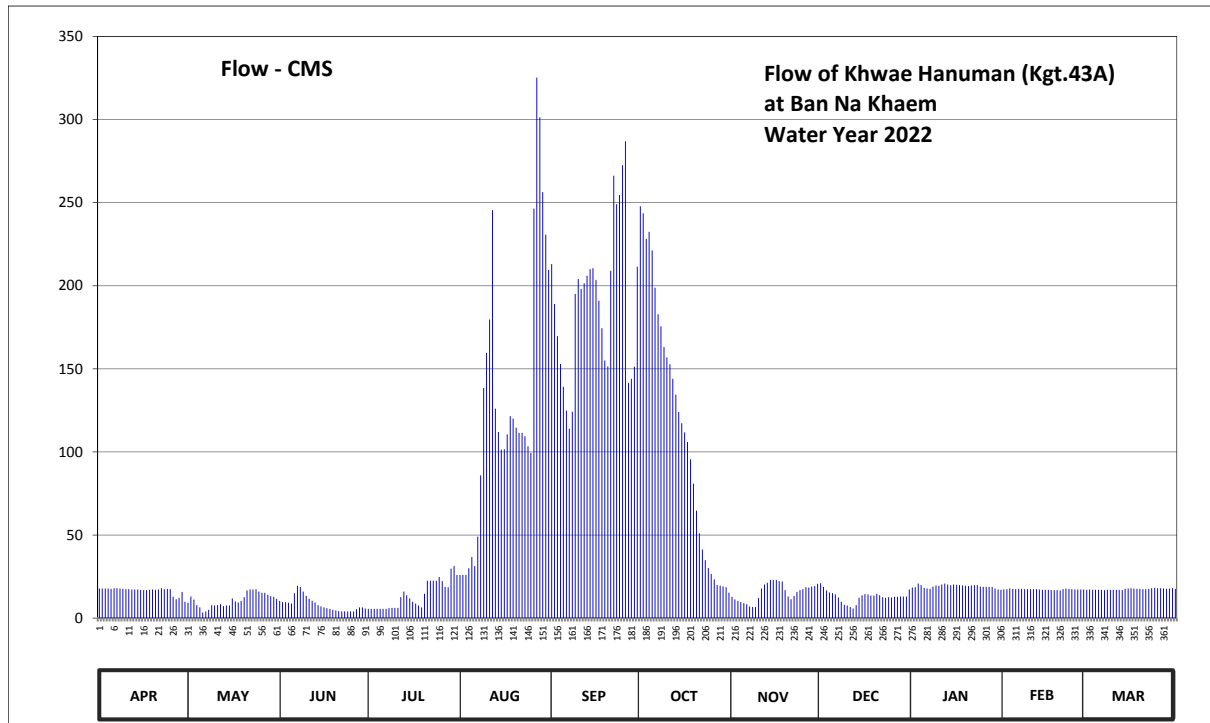
Lat 14 - 01 - 18 N Long 101 - 45 - 02 E

Location : on left bank at the bridge.

	Ban Na Khaem	Amphoe Kabin Buri	Changwat Prachin Buri
Drainge Area	2,102 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+2.073 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank near the top staff gage.	Elevation	+14.431 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings		
Period of Available Gage Records	2016 to date		
Rating Operation			
Period of Rating	2016 to date		
Rated by Float	-		
Rated by Current Meter	2016 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 52 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.84	3.41	3.47	3.23	4.20	9.68	12.07	3.95	4.00	3.87	3.81	3.80	
2	3.84	3.60	3.43	3.23	4.20	9.20	12.04	3.85	3.89	3.88	3.82	3.81	
3	3.84	3.51	3.43	3.23	4.20	8.74	11.93	3.79	3.78	3.99	3.84	3.80	
4	3.84	3.34	3.41	3.23	4.36	8.31	11.96	3.74	3.72	3.94	3.83	3.80	
5	3.83	3.27	3.39	3.23	4.63	7.92	11.88	3.70	3.70	3.86	3.82	3.80	
6	3.85	3.12	3.70	3.23	4.41	7.51	11.72	3.66	3.66	3.84	3.83	3.80	
7	3.85	3.15	3.92	3.23	5.10	7.20	11.59	3.57	3.57	3.83	3.83	3.79	
8	3.84	3.20	3.89	3.25	6.33	7.49	11.53	3.55	3.44	3.90	3.82	3.80	
9	3.83	3.34	3.75	3.26	7.90	9.32	11.39	3.55	3.35	3.93	3.82	3.80	
10	3.82	3.33	3.62	3.26	8.49	9.50	11.31	3.55	3.33	3.92	3.82	3.80	
11	3.82	3.34	3.53	3.26	8.99	9.38	11.26	3.84	3.28	3.96	3.82	3.80	
12	3.81	3.37	3.47	3.58	10.25	9.45	11.12	3.96	3.24	3.99	3.82	3.80	
13	3.81	3.31	3.42	3.75	10.76	9.54	10.93	4.01	3.34	3.96	3.81	3.79	
14	3.81	3.33	3.34	3.64	10.32	9.62	10.72	4.08	3.56	3.94	3.80	3.83	
15	3.80	3.33	3.30	3.54	9.82	9.63	10.51	4.08	3.64	3.96	3.80	3.84	
16	3.79	3.54	3.27	3.44	9.83	9.49	10.31	4.08	3.67	3.95	3.80	3.85	
17	3.79	3.45	3.25	3.39	10.26	9.24	10.05	4.05	3.66	3.94	3.79	3.84	
18	3.80	3.42	3.23	3.33	10.65	8.86	9.47	4.04	3.63	3.93	3.79	3.83	
19	3.81	3.47	3.20	3.27	10.60	8.37	8.49	3.79	3.63	3.92	3.79	3.83	
20	3.80	3.58	3.18	3.68	10.42	8.27	7.41	3.60	3.68	3.91	3.78	3.82	
21	3.81	3.78	3.16	4.06	10.30	9.60	6.50	3.52	3.64	3.93	3.82	3.82	
22	3.85	3.81	3.15	4.06	10.30	10.48	5.85	3.62	3.58	3.94	3.84	3.83	
23	3.82	3.81	3.15	4.06	10.22	10.29	5.42	3.74	3.56	3.94	3.83	3.85	
24	3.83	3.82	3.15	4.06	9.92	10.35	5.11	3.79	3.58	3.90	3.82	3.86	
25	3.82	3.75	3.15	4.15	9.72	10.55	4.87	3.82	3.57	3.89	3.81	3.85	
26	3.59	3.71	3.15	4.05	10.26	10.71	4.65	3.88	3.59	3.89	3.81	3.85	
27	3.52	3.71	3.22	3.89	11.11	11.07	4.43	3.87	3.59	3.89	3.81	3.84	
28	3.56	3.65	3.27	3.88	10.87	11.12	4.40	3.90	3.60	3.89	3.81	3.83	
29	3.74	3.61	3.27	4.35	10.37	11.24	4.37	3.91	3.60	3.84		3.84	
30	3.44	3.59	3.24	4.41	10.03	11.81	4.34	3.98	3.60	3.81		3.85	
31		3.53		4.20	9.61		4.12		3.81	3.80		3.83	
Mean	3.78	3.49	3.37	3.63	8.66	9.46	8.77	3.82	3.60	3.91	3.81	3.82	
Max	3.85	3.82	3.92	4.41	11.11	11.81	12.07	4.08	4.00	3.99	3.84	3.86	12.07
Min	3.44	3.12	3.15	3.23	4.20	7.20	4.12	3.52	3.24	3.80	3.78	3.79	3.12
Annual Max Momentary Gage Height	11.16		m. (MSL.) ,			at 13.00 Hours, on Aug 27, 2022							
Zero Gage at Bottom Elevation		2.07	m. (MSL.) ,			River Bed 1.57	m. (MSL.)						
Left Bank Elevation		13.45	m. (MSL.) ,										
Right Bank Elevation		13.97	m. (MSL.) ,			Drainage Are 2,102	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	17.80	9.20	10.40	5.60	26.00	213.00	247.80	12.75	21.00	18.40	17.20	17.00	
2	17.80	13.00	9.60	5.60	26.00	189.00	243.60	11.25	18.80	18.60	17.40	17.20	
3	17.80	11.20	9.60	5.60	26.00	169.60	228.20	10.35	16.60	20.80	17.80	17.00	
4	17.80	7.80	9.20	5.60	30.00	152.85	232.40	9.60	15.40	19.80	17.60	17.00	
5	17.60	6.40	8.80	5.60	36.75	139.20	221.20	9.00	15.00	18.20	17.40	17.00	
6	18.00	3.40	15.00	5.60	31.25	124.85	198.80	8.40	14.20	17.80	17.60	17.00	
7	18.00	4.00	19.40	5.60	49.00	114.00	182.80	7.05	12.40	17.60	17.60	16.80	
8	17.80	5.00	18.80	6.00	85.90	124.15	175.60	6.75	9.80	19.00	17.40	17.00	
9	17.60	7.80	16.00	6.20	138.50	195.00	163.20	6.75	8.00	19.60	17.40	17.00	
10	17.40	7.60	13.40	6.20	159.60	204.00	156.80	12.00	7.60	19.40	17.40	17.00	
11	17.40	7.80	11.60	6.20	179.60	198.00	152.80	17.80	6.60	20.20	17.40	17.00	
12	17.20	8.40	10.40	12.60	245.50	201.50	144.00	20.20	5.80	20.80	17.40	17.00	
13	17.20	7.20	9.40	16.00	126.00	206.00	134.50	21.25	7.80	20.20	17.20	16.80	
14	17.20	7.60	7.80	13.80	112.00	210.00	124.00	23.00	12.20	19.80	17.00	17.60	
15	17.00	7.60	7.00	11.80	101.40	210.50	117.30	23.00	13.80	20.20	17.00	17.80	
16	16.80	11.80	6.40	9.80	101.60	203.50	111.75	23.00	14.40	20.00	17.00	18.00	
17	16.80	10.00	6.00	8.80	110.50	191.00	106.00	22.25	14.20	19.80	16.80	17.80	
18	17.00	9.40	5.60	7.60	121.50	174.40	95.55	22.00	13.60	19.60	16.80	17.60	
19	17.20	10.40	5.00	6.40	120.00	154.95	80.85	16.80	13.60	19.40	16.80	17.60	
20	17.00	12.60	4.60	14.60	114.60	151.45	64.65	13.00	14.60	19.20	16.60	17.40	
21	17.20	16.60	4.20	22.50	111.50	209.00	51.00	11.40	13.80	19.60	17.40	17.40	
22	18.00	17.20	4.00	22.50	111.50	266.20	41.25	13.40	12.60	19.80	17.80	17.60	
23	17.40	17.20	4.00	22.50	109.50	249.10	34.80	15.80	12.20	19.80	17.60	18.00	
24	17.60	17.40	4.00	22.50	103.40	254.50	30.15	16.80	12.60	19.00	17.40	18.20	
25	17.40	16.00	4.00	24.75	99.40	272.50	26.55	17.40	12.40	18.80	17.20	18.00	
26	12.80	15.20	4.00	22.25	246.40	286.90	23.25	18.60	12.80	18.80	17.20	18.00	
27	11.40	15.20	5.40	18.80	325.20	141.50	19.95	18.40	12.80	18.80	17.20	17.80	
28	12.20	14.00	6.40	18.60	301.30	144.00	19.50	19.00	13.00	18.80	17.20	17.60	
29	15.80	13.20	6.40	29.75	256.30	151.20	19.05	19.20	13.00	17.80		17.80	
30	9.80	12.80	5.80	31.25	230.80	211.40	18.60	20.60	13.00	17.20		18.00	
31		11.60		26.00	209.50		15.30		17.20	17.00		17.60	
Total	498.00	334.60	252.20	426.60	4046.50	5713.25	3481.20	466.80	400.80	593.80	483.80	540.60	17238.15 CMSDAY
Mean	16.60	10.79	8.41	13.76	130.53	190.44	112.30	15.56	12.93	19.15	17.28	17.44	47.23 CMS
Max	18.00	17.40	19.40	31.25	325.20	286.90	247.80	23.00	21.00	20.80	17.80	18.20	325.20 CMS
Min	9.80	3.40	4.00	5.60	26.00	114.00	15.30	6.75	5.80	17.00	16.60	16.80	3.40 CMS
Runoff	43.03	28.91	21.79	36.86	349.62	493.62	300.78	40.33	34.63	51.30	41.80	46.71	1489.38 MCM
Momentary Peak	331.20	CMS, at 11.16 m. (MSL.), at 13.00 Hours, on Aug 27, 2022											
Runoff Yield	22.47	Liters/Second/Square KM.			Momentary Peak Yield			157.56 Liters/Second/Square KM.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	27.52	27.62	27.90	27.40	27.59	27.80	31.44	27.60	27.42	27.39	27.46	27.44	
2	27.50	27.66	27.72	27.42	27.59	27.78	31.00	27.59	27.42	27.39	27.46	27.44	
3	27.46	27.71	27.67	27.46	27.58	27.75	30.52	27.58	27.41	27.39	27.46	27.45	
4	27.45	27.73	27.65	27.48	27.57	27.70	30.07	27.54	27.41	27.39	27.46	27.45	
5	27.45	27.72	27.64	27.51	27.56	27.67	29.77	27.52	27.41	27.39	27.46	27.45	
6	27.49	27.71	27.63	27.53	27.57	27.68	29.54	27.50	27.40	27.40	27.47	27.46	
7	27.51	27.69	27.62	27.56	27.62	27.72	29.51	27.49	27.40	27.40	27.47	27.46	
8	27.51	27.68	27.60	27.60	28.07	28.38	29.49	27.46	27.40	27.40	27.47	27.46	
9	27.50	27.70	27.59	27.68	29.22	29.94	29.48	27.45	27.39	27.40	27.47	27.46	
10	27.50	27.71	27.57	27.64	30.28	30.43	29.52	27.44	27.39	27.40	27.47	27.46	
11	27.49	27.72	27.55	27.62	29.79	30.69	29.59	27.44	27.39	27.40	27.47	27.47	
12	27.49	27.73	27.54	27.59	29.31	30.64	29.64	27.43	27.38	27.40	27.47	27.47	
13	27.48	27.72	27.52	27.56	29.61	29.97	29.29	27.42	27.38	27.40	27.47	27.47	
14	27.48	27.70	27.50	27.52	30.12	28.69	28.84	27.41	27.38	27.40	27.46	27.47	
15	27.48	27.69	27.48	27.48	29.02	27.95	28.41	27.40	27.38	27.39	27.46	27.47	
16	27.48	27.70	27.46	27.48	29.42	27.92	28.25	27.39	27.37	27.39	27.46	27.46	
17	27.48	27.71	27.43	27.48	29.68	27.91	28.13	27.38	27.37	27.39	27.45	27.46	
18	27.49	27.78	27.40	27.48	29.31	27.90	27.94	27.38	27.37	27.39	27.45	27.46	
19	27.55	27.95	27.39	27.49	29.23	27.90	27.85	27.38	27.37	27.39	27.45	27.45	
20	27.65	28.10	27.40	27.50	29.07	28.15	27.76	27.37	27.37	27.39	27.44	27.45	
21	27.67	28.20	27.41	27.55	28.43	29.10	27.70	27.37	27.38	27.39	27.44	27.44	
22	27.67	28.21	27.43	27.59	28.00	29.30	27.67	27.37	27.38	27.39	27.44	27.44	
23	27.63	28.26	27.45	27.58	28.00	29.45	27.64	27.41	27.38	27.39	27.44	27.44	
24	27.58	28.29	27.47	27.55	28.00	29.55	27.61	27.46	27.38	27.40	27.44	27.43	
25	27.51	28.24	27.48	27.51	28.02	29.62	27.59	27.45	27.38	27.41	27.44	27.43	
26	27.50	28.00	27.45	27.49	28.07	29.71	27.59	27.44	27.38	27.42	27.44	27.43	
27	27.50	27.91	27.41	27.48	28.18	29.90	27.58	27.43	27.39	27.43	27.44	27.42	
28	27.54	28.01	27.41	27.47	28.14	30.11	27.59	27.43	27.39	27.44	27.44	27.42	
29	27.56	28.05	27.40	27.49	28.05	30.73	27.62	27.42	27.39	27.45		27.42	
30	27.57	28.07	27.40	27.58	27.95	31.26	27.64	27.42	27.39	27.46		27.41	
31		28.03		27.61	27.88		27.66		27.39	27.46		27.41	
Mean	27.52	27.87	27.52	27.53	28.51	28.98	28.71	27.45	27.39	27.40	27.46	27.45	
Max	27.67	28.29	27.90	27.68	30.28	31.26	31.44	27.60	27.42	27.46	27.47	27.47	31.44
Min	27.45	27.62	27.39	27.40	27.56	27.67	27.58	27.37	27.37	27.39	27.44	27.41	27.37
Annual Max Momentary Gage Height		31.48	m. (MSL.) ,		at 12.00 Hours, on Oct 1, 2022								
Zero Gage at Bottom Elevation		27.00	m. (MSL.) ,		River Bed	24.90	m. (MSL.)						
Left Bank Elevation		33.15	m. (MSL.) ,										
Right Bank Elevation		33.07	m. (MSL.) ,		Drainage Are	1,010	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.20	4.20	7.00	2.00	3.90	6.00	76.20	4.00	2.20	1.90	2.60	2.40		
2	3.00	4.60	5.20	2.20	3.90	5.80	65.00	3.90	2.20	1.90	2.60	2.40		
3	2.60	5.10	4.70	2.60	3.80	5.50	54.40	3.80	2.10	1.90	2.60	2.50		
4	2.50	5.30	4.50	2.80	3.70	5.00	45.40	3.40	2.10	1.90	2.60	2.50		
5	2.50	5.20	4.40	3.10	3.60	4.70	39.40	3.20	2.10	1.90	2.60	2.50		
6	2.90	5.10	4.30	3.30	3.70	4.80	34.80	3.00	2.00	2.00	2.70	2.60		
7	3.10	4.90	4.20	3.60	4.20	5.20	34.20	2.90	2.00	2.00	2.70	2.60		
8	3.10	4.80	4.00	4.00	9.55	14.20	33.80	2.60	2.00	2.00	2.70	2.60		
9	3.00	5.00	3.90	4.80	28.40	42.80	33.60	2.50	1.90	2.00	2.70	2.60		
10	3.00	5.10	3.70	4.40	49.60	52.60	34.40	2.40	1.90	2.00	2.70	2.60		
11	2.90	5.20	3.50	4.20	39.80	57.80	35.80	2.40	1.90	2.00	2.70	2.70		
12	2.90	5.30	3.40	3.90	30.20	56.80	36.80	2.30	1.80	2.00	2.70	2.70		
13	2.80	5.20	3.20	3.60	36.20	43.40	29.80	2.20	1.80	2.00	2.70	2.70		
14	2.80	5.00	3.00	3.20	46.40	18.85	21.10	2.10	1.80	2.00	2.60	2.70		
15	2.80	4.90	2.80	2.80	24.40	7.75	14.65	2.00	1.80	1.90	2.60	2.70		
16	2.80	5.00	2.60	2.80	32.40	7.30	12.25	1.90	1.70	1.90	2.60	2.60		
17	2.80	5.10	2.30	2.80	37.60	7.15	10.45	1.80	1.70	1.90	2.50	2.60		
18	2.90	5.80	2.00	2.80	30.20	7.00	7.60	1.80	1.70	1.90	2.50	2.60		
19	3.50	7.75	1.90	2.90	28.60	7.00	6.50	1.80	1.70	1.90	2.50	2.50		
20	4.50	10.00	2.00	3.00	25.40	10.75	5.60	1.70	1.70	1.90	2.40	2.50		
21	4.70	11.50	2.10	3.50	14.95	26.00	5.00	1.70	1.80	1.90	2.40	2.40		
22	4.70	11.65	2.30	3.90	8.50	30.00	4.70	1.70	1.80	1.90	2.40	2.40		
23	4.30	12.40	2.50	3.80	8.50	33.00	4.40	2.10	1.80	1.90	2.40	2.40		
24	3.80	12.85	2.70	3.50	8.50	35.00	4.10	2.60	1.80	2.00	2.40	2.30		
25	3.10	12.10	2.80	3.10	8.80	36.40	3.90	2.50	1.80	2.10	2.40	2.30		
26	3.00	8.50	2.50	2.90	9.55	38.20	3.90	2.40	1.80	2.20	2.40	2.30		
27	3.00	7.15	2.10	2.80	11.20	42.00	3.80	2.30	1.90	2.30	2.40	2.20		
28	3.40	8.65	2.10	2.70	10.60	46.20	3.90	2.30	1.90	2.40	2.40	2.20		
29	3.60	9.25	2.00	2.90	9.25	58.60	4.20	2.20	1.90	2.50	2.50	2.20		
30	3.70	9.55	2.00	3.80	7.75	71.50	4.40	2.20	1.90	2.60		2.10		
31		8.95		4.10	6.80		4.60		1.90	2.60		2.10		
Total	96.90	221.10	95.70	101.80	549.95	787.30	678.65	73.70	58.40	63.30	71.50	76.50	2874.80	CMSDAY
Mean	3.23	7.13</												

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	169.36	169.59	169.51	169.43	169.46	169.64	169.74	169.46	169.50	169.40	169.36	169.34		
	2	169.35	169.98	169.46	169.40	169.43	169.63	169.80	169.45	169.49	169.39	169.35	169.34		
	3	169.36	169.55	169.46	169.47	169.49	169.57	169.78	169.46	169.48	169.40	169.35	169.33		
	4	169.36	169.45	169.45	169.46	169.44	169.55	169.93	169.45	169.47	169.39	169.38	169.33		
	5	169.36	169.42	169.41	169.43	169.47	169.54	169.77	169.44	169.46	169.38	169.38	169.33		
	6	169.36	169.40	169.41	169.40	169.53	169.50	169.68	169.45	169.45	169.39	169.37	169.33		
	7	169.34	169.39	169.41	169.48	169.52	169.50	169.66	169.44	169.44	169.38	169.39	169.33		
	8	169.33	169.46	169.41	169.42	169.49	169.98	169.63	169.44	169.44	169.39	169.37	169.33		
	9	169.33	169.60	169.40	169.45	169.60	169.68	169.64	169.44	169.44	169.38	169.36	169.33		
	10	169.31	169.51	169.40	169.44	169.57	169.61	169.97	169.43	169.44	169.38	169.35	169.32		
	11	169.30	169.53	169.39	169.42	169.67	169.57	170.06	169.43	169.43	169.38	169.36	169.31		
	12	169.29	169.49	169.38	169.43	169.81	169.55	169.77	169.42	169.42	169.40	169.36	169.31		
	13	169.29	169.48	169.38	169.64	169.68	169.63	169.67	169.44	169.42	169.39	169.36	169.32		
	14	169.30	169.44	169.37	169.55	169.58	169.58	169.62	169.45	169.42	169.38	169.36	169.33		
	15	169.29	169.41	169.36	169.56	169.57	169.54	169.59	169.44	169.42	169.37	169.43	169.32		
	16	169.30	169.43	169.38	169.49	169.67	169.53	169.57	169.44	169.42	169.37	169.38	169.30		
	17	169.29	169.44	169.37	169.47	169.62	169.56	169.56	169.43	169.41	169.37	169.39	169.29		
	18	169.33	169.44	169.38	169.46	169.55	169.81	169.55	169.43	169.41	169.37	169.38	169.28		
	19	169.43	169.46	169.38	169.43	169.52	169.64	169.52	169.47	169.41	169.37	169.37	169.24		
	20	169.36	169.44	169.37	169.43	169.50	169.74	169.50	169.44	169.41	169.37	169.37	169.20		
	21	169.37	169.44	169.46	169.70	169.48	169.64	169.51	169.51	169.41	169.37	169.36	169.20		
	22	169.39	169.43	169.40	169.55	169.50	169.59	169.50	169.46	169.40	169.37	169.36	169.07		
	23	169.39	169.45	169.40	169.50	169.48	169.56	169.50	169.44	169.41	169.36	169.36	169.00		
	24	169.37	169.41	169.39	169.47	169.46	169.58	169.50	170.07	169.41	169.36	169.35	168.87		
	25	169.37	169.42	169.39	169.46	169.55	169.56	169.49	169.68	169.40	169.36	169.35	168.56		
	26	169.36	169.40	169.38	169.43	169.70	169.54	169.48	169.89	169.40	169.37	169.34	168.21		
	27	169.35	169.41	169.38	169.45	169.58	169.55	169.59	169.71	169.43	169.36	169.35	168.01		
	28	169.35	169.44	169.38	169.55	169.55	169.67	169.50	169.61	169.40	169.36	169.35	167.71		
	29	169.35	169.72	169.38	169.48	169.58	170.05	169.48	169.57	169.41	169.35		167.82		
	30	169.37	169.52	169.43	169.46	169.53	169.82	169.48	169.54	169.39	169.36		169.25		
	31		169.47		169.45	169.82		169.47		169.40	169.36		169.37		
Mean		169.34	169.48	169.40	169.48	169.56	169.63	169.63	169.51	169.43	169.38	169.37	169.07		
Max		169.43	169.98	169.51	169.70	169.82	170.05	170.06	170.07	169.50	169.40	169.43	169.37	170.07	
Min		169.29	169.39	169.36	169.40	169.43	169.50	169.47	169.42	169.39	169.35	169.34	167.71	167.71	
Annual Max Momentary Gage Height			170.50	m. (MSL.) ,			at 18.00 Hours, on Nov 26, 2022								
Zero Gage at Bottom Elevation			167.00	m. (MSL.) ,			River Bed	167.16	m. (MSL.)						
Left Bank Elevation			172.85	m. (MSL.) ,											
Right Bank Elevation			172.95	m. (MSL.) ,			Drainage Are	104	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	0.80	2.40	3.80	0.80	1.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.65	2.30	5.00	0.75	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.95	1.70	4.60	0.80	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.70	1.50	8.40	0.75	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.85	1.40	4.40	0.70	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	1.30	1.00	2.80	0.75	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	1.20	1.00	2.60	0.70	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.95	9.90	2.30	0.70	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	2.00	2.80	2.40	0.70	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	1.70	2.10	9.60	0.65	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	2.70	1.70	12.30	0.65	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	5.25	1.50	4.40	0.60	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	2.80	2.30	2.70	0.70	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	1.50	1.80	1.80	2.20	0.75	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	1.60	1.70	1.40	1.90	0.70	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.95	2.70	1.30	1.70	0.70	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.85	2.20	1.60	1.60	0.65	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.80	1.50	5.25	1.50	0.65	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.65	1.20	2.40	1.20	0.85	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.65	1.00	3.80	1.00	0.70	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	3.00	0.90	2.40	1.10	1.10	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	1.50	1.00	1.90	1.00	0.80	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	1.00	0.90	1.60	1.00	0.70	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.85	0.80	1.80	1.00	12.60	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.80	1.50	1.60	0.95	2.80	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.65	3.00	1.40	0.90	7.25	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.75	1.80	1.50	1.90	3.20	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	1.50	1.50	2.70	1.00	2.10	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.90	1.80	12.00	0.90	1.70	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.80	1.30	5.50	0.90	1.40	0.00	0.00	0.00	0.00	
31		0.00		0.75	5.50		0.85		0.00	0.00		0.00	
Total	0.00	0.00	0.00	19.50	53.95	81.55	87.90	47.90	1.00	0.00	0.00	0.00	291.80
Mean	0.00	0.00	0.00	0.63	1.74	2.72	2.84	1.60	0.03	0			

WATER YEAR : 2022**PRACHIN BURI RIVER BASIN****Khlong Phra Sathung at Ban Dan Chai Phatthana , Sa Kao (Kgt.47)**

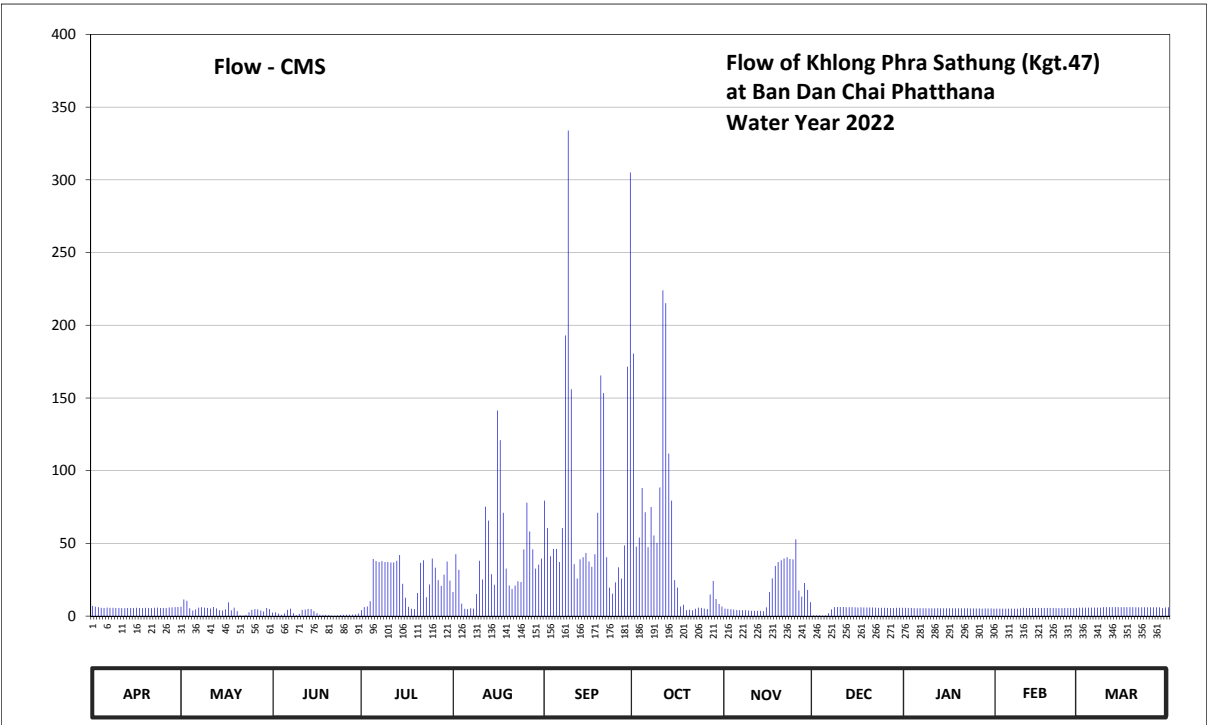
Lat 13 - 33 - 16 N Long 102 - 02 - 43 E

Location : on right bank at the bridge.

	Ban	Dan	Chaiphatthana	Amphoe	Khao Chakan	Changwat	Sa Kao
Drainage Area	1,431	sq.km.					
Type of Gage	Staff	gage					
Zero Gage at Bottom	+52.000	m. (MSL.)					
Bench Mark	B.M.-H.D.						
Location BM	On left bank near the top staff gage.					Elevation	+62.000 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.						
Basis of Mean Daily Gage Height	Arithmetic means of 3 readings						
Period of Available Gage Records	2013 to date						
Rating Operation							
Period of Rating	2013 to date						
Rated by Float	-						
Rated by Current Meter	2013 to date						
Stability of Channel Regimes	Fairly stable.						
Overbank Flow Conditions	No overbank flow.						
General Description	Records very good. Stage-discharge relation defined by 51 discharge measurements made in 2022.						

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	55.20	55.15	54.48	54.83	54.28	56.54	58.99	53.71	53.79	55.07	55.02	55.08	
2	55.15	55.31	54.51	55.11	55.32	55.92	55.49	53.69	53.76	55.06	55.02	55.08	
3	55.11	55.29	54.36	55.16	54.96	55.27	55.70	53.67	53.70	55.06	55.02	55.08	
4	55.07	55.04	54.07	55.28	53.88	55.44	56.79	53.65	53.66	55.05	55.02	55.08	
5	55.06	54.77	54.38	55.21	53.70	55.44	56.28	53.62	53.76	55.04	55.02	55.08	
6	55.08	54.92	54.86	55.16	53.68	55.14	55.48	53.61	54.40	55.05	55.02	55.08	
7	55.07	55.08	55.02	55.14	53.72	55.92	56.40	53.61	54.93	55.04	55.02	55.08	
8	55.07	55.11	54.39	55.16	53.71	59.20	55.75	53.61	55.12	55.04	55.02	55.08	
9	55.06	55.08	53.89	55.14	54.21	60.99	55.58	53.58	55.13	55.04	55.04	55.11	
10	55.06	55.06	54.31	55.14	55.17	58.49	56.80	53.56	55.13	55.04	55.07	55.11	
11	55.05	55.03	54.85	55.13	54.71	55.09	59.70	53.56	55.13	55.04	55.06	55.11	
12	55.05	55.13	54.89	55.13	56.41	54.74	59.57	53.56	55.12	55.05	55.06	55.11	
13	55.06	55.03	54.98	55.17	56.09	55.20	57.42	53.56	55.11	55.04	55.06	55.11	
14	55.06	54.82	54.96	55.30	54.86	55.25	56.54	53.54	55.11	55.04	55.06	55.11	
15	55.06	54.77	54.69	54.56	54.53	55.35	54.69	53.75	55.10	55.04	55.06	55.11	
16	55.07	54.93	54.42	54.08	58.16	55.15	54.43	54.28	55.09	55.04	55.06	55.11	
17	55.06	55.26	54.17	53.77	57.65	55.03	53.78	54.75	55.10	55.04	55.06	55.11	
18	55.05	54.78	54.05	53.70	56.27	55.32	53.84	55.05	55.09	55.04	55.06	55.11	
19	55.07	55.08	54.06	53.68	54.99	56.27	53.61	55.14	55.09	55.04	55.06	55.11	
20	55.06	54.67	53.96	54.25	54.50	58.69	53.64	55.18	55.09	55.04	55.06	55.10	
21	55.05	53.87	53.62	55.12	54.38	58.43	53.60	55.22	55.09	55.04	55.05	55.10	
22	55.07	53.65	53.51	55.18	54.50	55.25	53.70	55.25	55.08	55.04	55.05	55.10	
23	55.08	54.06	53.73	54.10	54.65	54.43	53.74	55.21	55.07	55.03	55.05	55.10	
24	55.06	54.52	53.98	54.54	54.62	54.22	53.73	55.20	55.07	55.03	55.06	55.10	
25	55.06	54.86	54.11	55.22	55.43	54.61	53.71	55.66	55.07	55.03	55.06	55.10	
26	55.06	54.97	54.15	55.01	56.50	55.02	53.68	54.33	55.06	55.03	55.06	55.10	
27	55.09	54.92	54.14	54.69	55.84	54.74	54.19	54.12	55.06	55.02	55.05	55.10	
28	55.10	54.77	54.16	54.49	55.43	55.52	54.66	54.59	55.06	55.03	55.05	55.10	
29	55.12	54.64	54.25	54.85	54.99	58.81	54.04	54.35	55.07	55.03		55.05	
30	55.13	55.06	54.36	55.15	55.08	60.69	53.87	53.93	55.07	55.03		55.09	
31		54.96		54.67	55.22		53.78		55.07	55.02		55.10	
Mean	55.08	54.86	54.31	54.81	55.08	56.21	55.26	54.22	54.84	55.04	55.05	55.10	
Max	55.20	55.31	55.02	55.30	58.16	60.99	59.70	55.66	55.13	55.07	55.07	55.11	60.99
Min	55.05	53.65	53.51	53.68	53.68	54.22	53.60	53.54	53.66	55.02	55.02	55.05	53.51
Annual Max Momentary Gage Height	61.25		m. (MSL.) ,			at 09.00 Hours, on Sep 9, 2022							
Zero Gage at Bottom Elevation		52.00	m. (MSL.) ,			River Bed	52.00	m. (MSL.)					
Left Bank Elevation		63.65	m. (MSL.) ,										
Right Bank Elevation		63.89	m. (MSL.) ,			Drainage Are	1,431	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.00	6.50	2.40	4.15	16.60	79.40	180.50	5.20	0.59	5.70	5.20	5.80	
2	6.50	11.40	2.55	6.10	42.60	60.60	47.70	4.90	0.56	5.60	5.20	5.80	
3	6.10	10.60	1.80	6.60	31.80	41.10	54.00	4.70	0.50	5.60	5.20	5.80	
4	5.70	5.40	0.87	10.20	8.60	46.20	88.15	4.50	0.46	5.50	5.20	5.80	
5	5.60	3.85	1.90	39.30	5.00	46.20	71.40	4.20	0.56	5.40	5.20	5.80	
6	5.80	4.60	4.30	37.80	4.80	37.20	47.40	4.10	2.00	5.50	5.20	5.80	
7	5.70	5.80	5.20	37.20	5.40	60.60	75.00	4.10	4.65	5.40	5.20	5.80	
8	5.70	6.10	1.95	37.80	5.20	193.00	55.50	4.10	6.20	5.40	5.20	5.80	
9	5.60	5.80	0.69	37.20	15.20	333.90	50.40	3.80	6.30	5.40	5.40	6.10	
10	5.60	5.60	1.55	37.20	38.10	156.05	88.50	3.60	6.30	5.40	5.70	6.10	
11	5.50	5.30	4.25	36.90	25.20	35.70	224.00	3.60	6.30	5.40	5.60	6.10	
12	5.50	6.30	4.45	36.90	75.30	25.80	215.20	3.60	6.20	5.50	5.60	6.10	
13	5.60	5.30	4.90	38.10	65.70	39.00	111.80	3.60	6.10	5.40	5.60	6.10	
14	5.60	4.10	4.80	42.00	28.80	40.50	79.40	3.40	6.10	5.40	5.60	6.10	
15	5.60	3.85	3.45	22.20	21.60	43.50	24.80	6.00	6.00	5.40	5.60	6.10	
16	5.70	4.65	2.10	12.60	141.40	37.50	19.60	16.60	5.90	5.40	5.60	6.10	
17	5.60	9.40	0.97	6.40	121.00	33.90	6.60	26.00	6.00	5.40	5.60	6.10	
18	5.50	3.90	0.85	5.00	71.10	42.60	7.80	34.50	5.90	5.40	5.60	6.10	
19	5.70	5.80	0.86	4.80	32.70	71.10	4.10	37.20	5.90	5.40	5.60	6.10	
20	5.60	3.35	0.76	16.00	21.00	165.50	4.40	38.40	5.90	5.40	5.60	6.00	
21	5.50	0.67	0.42	36.60	18.60	153.35	4.00	39.60	5.90	5.40	5.50	6.00	
22	5.70	0.45	0.31	38.40	21.00	40.50	5.00	40.50	5.80	5.40	5.50	6.00	
23	5.80	0.86	0.53	13.00	24.00	19.60	5.80	39.30	5.70	5.30	5.50	6.00	
24	5.60	2.60	0.78	21.80	23.40	15.40	5.60	39.00	5.70	5.30	5.60	6.00	
25	5.60	4.30	0.91	39.60	45.90	23.20	5.20	52.80	5.70	5.30	5.60	6.00	
26	5.60	4.85	0.95	33.30	78.00	33.60	4.80	17.60	5.60	5.30	5.60	6.00	
27	5.90	4.60	0.94	24.80	58.20	25.80	14.80	13.40	5.60	5.20	5.50	6.00	
28	6.00	3.85	0.96	20.80	45.90	48.60	24.20	22.80	5.60	5.30	5.50	6.00	
29	6.20	3.20	1.25	28.50	32.70	171.50	11.80	18.00	5.70	5.30		5.50	
30	6.30	5.60	1.80	37.50	35.40	305.10	8.40	9.60	5.70	5.30		5.90	
31		4.80		24.40	39.60		6.60		5.70	5.20		6.00	
Total	173.40	153.38	59.45	793.15	1199.80	2426.00	1552.45	508.70	151.12	167.30	153.00	184.90	7522.65 CMSDAY
Mean	5.78	4.95	1.98	25.59	38.70	80.87	50.08	16.96	4.87	5.40	5.46	5.96	20.61 CMS
Max	7.00	11.40	5.20	42.00	141.40	333.90	224.00	52.80	6.30	5.70	5.70	6.10	333.90 CMS
Min	5.50	0.45	0.31	4.15	4.80	15.40	4.00	3.40	0.46	5.20	5.20	5.50	0.31 CMS
Runoff	14.98	13.25	5.14	68.53	103.66	209.61	134.13	43.95	13.06	14.45	13.22	15.98	649.96 MCM
Momentary Peak	364.00		CMS, at 61.25 m. (MSL.), at 9.00 Hours, on Sep 9, 2022										
Runoff Yield	14.40		Liters/Second/Square KM.		Momentary Peak Yield	254.37		Liters/Second/Square KM.					

WATER YEAR : 2022**BANG PAKONG RIVER BASIN****Nakhon Nayok River at Ban Khao Nang Buat , Nakhon Nayok (Ny.1B)**

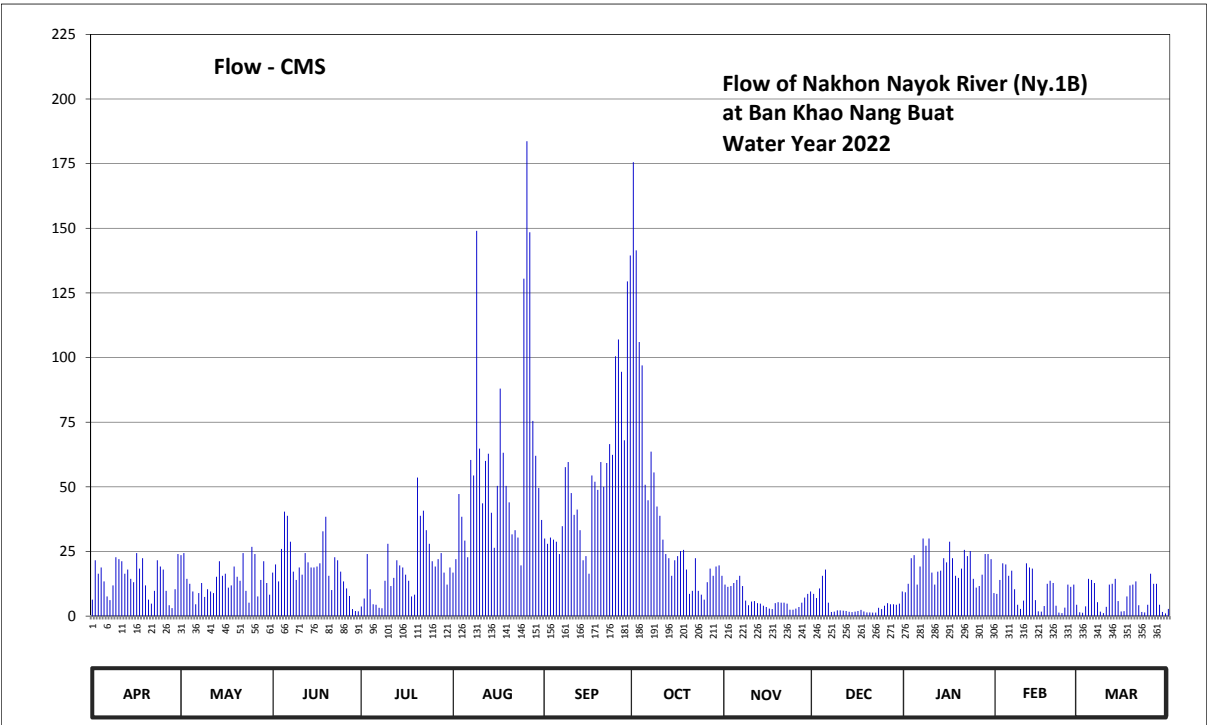
Lat 14 - 14 - 45 N Long 101 - 16 - 27 E

Location : on right bank about 700 meters upstream from Ny.1

	Ban	Khao Nang Buat	Amphoe	Mueang	Changwat	Nakhon Nayok
Drainage Area	524	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 200 meters from the staff gage.				Elevation	+8.758 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	1973 to date					
Rating Operation						
Period of Rating	1973 - 1980 , 1991 to date					
Rated by Float	-					
Rated by Current Meter	1973 - 1980 , 1991 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 60 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.32	4.84	4.67	4.17	4.67	5.00	7.94	4.54	4.42	4.44	4.42	3.90	
2	4.79	4.86	4.75	4.34	4.80	4.95	7.41	4.51	4.35	4.55	4.60	3.86	
3	4.66	4.61	4.58	4.85	5.43	5.01	6.70	4.52	4.49	4.81	4.76	4.18	
4	4.72	4.55	4.90	4.48	5.21	4.99	6.52	4.56	4.64	4.84	4.75	4.61	
5	4.58	4.45	5.26	4.23	4.98	4.97	5.52	4.60	4.70	4.54	4.64	4.60	
6	4.38	4.23	5.22	4.22	4.82	4.85	5.37	4.64	4.26	4.73	4.69	4.56	
7	4.31	4.43	4.97	4.12	5.76	5.12	5.84	4.52	3.92	5.00	4.48	4.27	
8	4.53	4.56	4.68	4.10	5.61	5.69	5.64	4.30	3.94	4.93	4.22	3.95	
9	4.82	4.37	4.60	4.59	7.56	5.74	5.31	4.21	4.02	5.00	4.08	3.84	
10	4.80	4.48	4.72	4.95	5.87	5.44	5.22	4.28	4.02	4.67	4.30	4.16	
11	4.78	4.45	4.65	4.52	5.34	5.23	4.99	4.29	4.01	4.54	4.76	4.54	
12	4.66	4.43	4.86	4.62	5.75	5.28	4.85	4.25	3.99	4.68	4.72	4.55	
13	4.70	4.63	4.77	4.79	5.82	5.08	4.81	4.24	3.93	4.69	4.71	4.61	
14	4.61	4.78	4.72	4.74	5.25	4.79	4.64	4.20	3.91	4.81	4.31	4.29	
15	4.57	4.64	4.72	4.72	4.91	4.83	4.79	4.15	3.95	4.77	3.97	3.96	
16	4.86	4.66	4.73	4.65	5.51	4.66	4.83	4.09	4.00	4.97	3.94	3.98	
17	4.71	4.50	4.76	4.59	6.34	5.61	4.88	4.07	4.04	4.81	4.19	4.38	
18	4.81	4.53	5.07	4.38	5.83	5.55	4.89	4.25	3.96	4.64	4.55	4.53	
19	4.53	4.73	5.21	4.41	5.51	5.47	4.70	4.27	3.88	4.62	4.59	4.54	
20	4.32	4.63	4.64	5.59	5.35	5.74	4.42	4.26	3.88	4.71	4.56	4.58	
21	4.24	4.59	4.47	5.22	5.04	5.50	4.46	4.26	3.87	4.89	4.20	4.21	
22	4.46	4.86	4.82	5.27	5.08	5.73	4.81	4.24	3.87	4.83	3.87	3.92	
23	4.79	4.46	4.79	5.08	5.01	5.91	4.46	4.05	4.12	4.88	3.83	3.88	
24	4.73	4.26	4.68	4.95	4.74	5.81	4.41	4.05	4.07	4.61	4.13	4.22	
25	4.70	4.92	4.58	4.78	7.19	6.59	4.32	4.09	4.20	4.50	4.54	4.66	
26	4.46	4.85	4.49	4.73	8.03	6.72	4.57	4.15	4.25	4.52	4.51	4.55	
27	4.21	4.38	4.39	4.80	7.55	6.47	4.71	4.26	4.23	4.65	4.54	4.55	
28	4.11	4.60	4.07	4.86	6.09	5.94	4.64	4.36	4.23	4.85	4.22	4.22	
29	4.48	4.78	3.99	4.67	5.80	7.17	4.73	4.42	4.22	4.85		3.92	
30	4.85	4.56	3.97	4.54	5.49	7.37	4.74	4.45	4.24	4.80		3.81	
31		4.41		4.72	5.18		4.64		4.45	4.43		4.08	
Mean	4.58	4.58	4.69	4.67	5.66	5.57	5.15	4.30	4.13	4.73	4.40	4.26	
Max	4.86	4.92	5.26	5.59	8.03	7.37	7.94	4.64	4.70	5.00	4.76	4.66	8.03
Min	4.11	4.23	3.97	4.10	4.67	4.66	4.32	4.05	3.87	4.43	3.83	3.81	3.81
Annual Max Momentary Gage Height	9.00		m. (MSL.) ,				at 13.00 Hours , on Aug 25, 2022						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	2.14	m. (MSL.)					
Left Bank Elevation	10.51		m. (MSL.) ,										
Right Bank Elevation	9.68		m. (MSL.) ,			Drainage Are	524	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.40	23.60	16.80	3.70	16.80	30.00	175.60	12.20	8.60	9.20	8.60	1.50	
2	21.60	24.40	20.00	6.80	22.00	28.00	141.50	11.30	7.00	12.50	14.00	1.30	
3	16.40	14.40	13.40	24.00	47.20	30.40	106.00	11.60	10.70	22.40	20.40	3.80	
4	18.80	12.50	26.00	10.40	38.40	29.60	97.00	12.80	15.60	23.60	20.00	14.40	
5	13.40	9.50	40.40	4.60	29.20	28.80	50.80	14.00	18.00	12.20	15.60	14.00	
6	7.60	4.60	38.80	4.40	22.80	24.00	44.80	15.60	5.20	19.20	17.60	12.80	
7	6.20	8.90	28.80	3.20	60.40	34.80	63.60	11.60	1.60	30.00	10.40	5.40	
8	11.90	12.80	17.20	3.00	54.40	57.60	55.60	6.00	1.70	27.20	4.40	1.75	
9	22.80	7.40	14.00	13.70	149.00	59.60	42.40	4.20	2.20	30.00	2.80	1.20	
10	22.00	10.40	18.80	28.00	64.80	47.60	38.80	5.60	2.20	16.80	6.00	3.60	
11	21.20	9.50	16.00	11.60	43.60	39.20	29.60	5.80	2.10	12.20	20.40	12.20	
12	16.40	8.90	24.40	14.80	60.00	41.20	24.00	5.00	1.95	17.20	18.80	12.50	
13	18.00	15.20	20.80	21.60	62.80	33.20	22.40	4.80	1.65	17.60	18.40	14.40	
14	14.40	21.20	18.80	19.60	40.00	21.60	15.60	4.00	1.55	22.40	6.20	5.80	
15	13.10	15.60	18.80	18.80	26.40	23.20	21.60	3.50	1.75	20.80	1.85	1.80	
16	24.40	16.40	19.20	16.00	50.40	16.40	23.20	2.90	2.00	28.80	1.70	1.90	
17	18.40	11.00	20.40	13.70	88.00	54.40	25.20	2.70	2.40	22.40	3.90	7.60	
18	22.40	11.90	32.80	7.60	63.20	52.00	25.60	5.00	1.80	15.60	12.50	11.90	
19	11.90	19.20	38.40	8.30	50.40	48.80	18.00	5.40	1.40	14.80	13.70	12.20	
20	6.40	15.20	15.60	53.60	44.00	59.60	8.60	5.20	1.40	18.40	12.80	13.40	
21	4.80	13.70	10.10	38.80	31.60	50.00	9.80	5.20	1.35	25.60	4.00	4.20	
22	9.80	24.40	22.80	40.80	33.20	59.20	22.40	4.80	1.35	23.20	1.35	1.60	
23	21.60	9.80	21.60	33.20	30.40	66.50	9.80	2.50	3.20	25.20	1.15	1.40	
24	19.20	5.20	17.20	28.00	19.60	62.40	8.30	2.50	2.70	14.40	3.30	4.40	
25	18.00	26.80	13.40	21.20	130.50	100.50	6.40	2.90	4.00	11.00	12.20	16.40	
26	9.80	24.00	10.70	19.20	183.70	107.00	13.10	3.50	5.00	11.60	11.30	12.50	
27	4.20	7.60	7.80	22.00	148.50	94.50	18.40	5.20	4.60	16.00	12.20	12.50	
28	3.10	14.00	2.70	24.40	75.50	68.00	15.60	7.20	4.60	24.00	4.40	4.40	
29	10.40	21.20	1.95	16.80	62.00	129.50	19.20	8.60	4.40	24.00		1.60	
30	24.00	12.80	1.85	12.20	49.60	139.50	19.60	9.50	4.80	22.00		1.05	
31		8.30		18.80	37.20		15.60		9.50	8.90		2.80	
Total	438.60	440.40	569.50	562.80	1835.60	1637.10	1188.10	201.10	136.30	599.20	279.95	216.30	8104.95 CMSDAY
Mean	14.62	14.21	18.98	18.15	59.21	54.57	38.33	6.70	4.40	19.33	10.00	6.98	22.21 CMS
Max	24.40	26.80	40.40	53.60	183.70	139.50	175.60	15.60	18.00	30.00	20.40	16.40	183.70 CMS
Min	3.10	4.60	1.85	3.00	16.80	16.40	6.40	2.50	1.35	8.90	1.15	1.05	1.05 CMS
Runoff	37.90	38.05	49.20	48.63	158.60	141.45	102.65	17.38	11.78	51.77	24.19	18.69	700.27 MCM
Momentary Peak	310.00 CMS. at 9.00 m. (MSL.) at 13.00 Hours , on Aug 25, 2022												
Runoff Yield	42.38	Liters/Second/Square KM.		Momentary Peak Yield		591.60	Liters/Second/Square KM.						

WATER YEAR : 2022**BANG PAKONG RIVER BASIN****Lower Khlong Ban Na at Ban Pa Kha , Nakhon Nayok (Ny.3)**

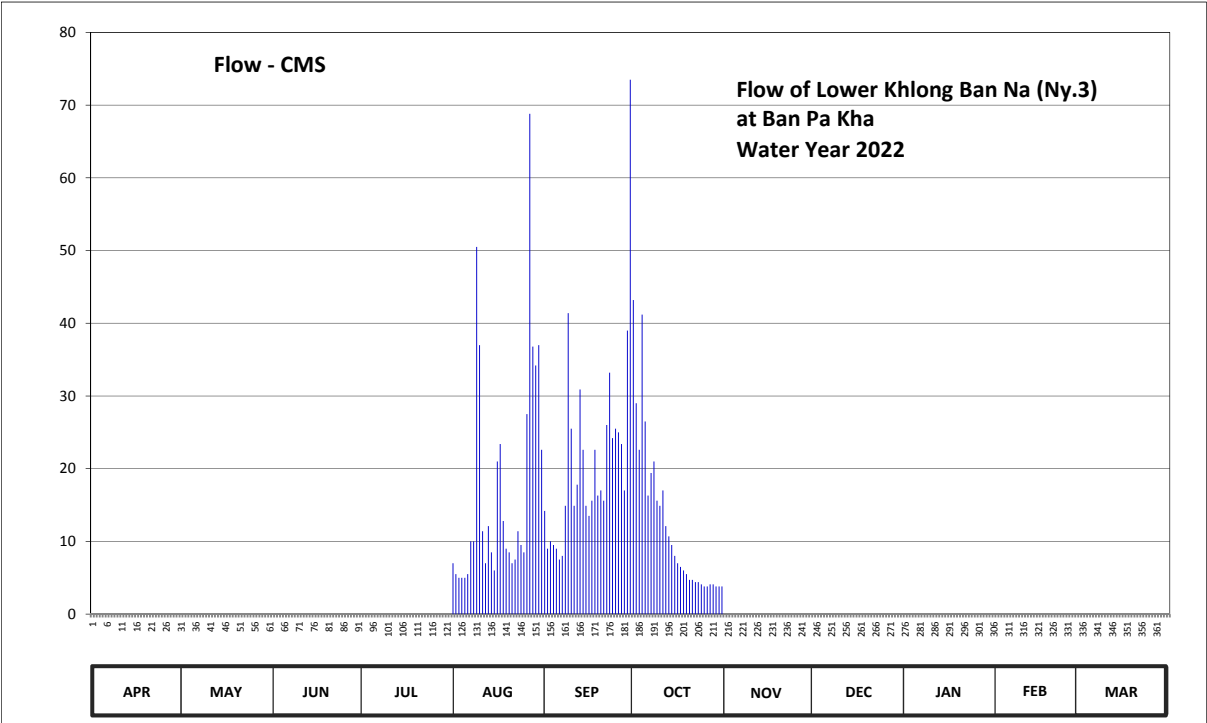
Lat 14 - 17 - 11 N Long 101 - 04 - 14 E

Location : on left bank near Wat Ban Pa Kha.

	Ban	Pa Kha	Amphoe	Ban Na	Changwat	Nakhon Nayok
Drainage Area	200	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+5.100	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	About 10 meters from the top staff gage.				Elevation	+12.695 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1977 to date					
Rating Operation						
Period of Rating	1977 - 1978 , 1980, 1988 to date					
Rated by Float	-					
Rated by Current Meter	1977 - 1978 , 1980, 1988 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 11.630 m.(MSL.), records are channel flow only.					
General Description	Records very good. Flow effected by the local weir.					
	Stage-discharge relation defined by 28 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.96	8.88	9.11	9.14	9.24	9.36	10.36	9.15	9.17	9.07	8.95	8.94	
2	8.96	8.92	9.11	9.13	9.21	9.28	9.58	9.15	9.15	9.07	8.96	8.93	
3	8.95	8.94	9.10	9.15	9.20	9.30	9.47	9.15	9.14	9.07	8.97	8.92	
4	8.94	8.96	9.10	9.14	9.20	9.29	10.26	9.14	9.14	9.07	8.97	8.92	
5	8.93	8.97	9.20	9.14	9.20	9.28	9.53	9.12	9.13	9.08	8.98	8.91	
6	8.91	8.98	9.24	9.16	9.21	9.25	9.39	9.12	9.12	9.08	8.99	8.90	
7	8.90	8.99	9.23	9.15	9.30	9.26	9.43	9.11	9.12	9.07	8.99	8.89	
8	8.89	9.08	9.19	9.15	9.30	9.37	9.45	9.10	9.12	9.07	9.00	8.89	
9	8.87	9.13	9.16	9.19	10.65	10.27	9.38	9.10	9.12	9.07	9.00	8.88	
10	8.86	9.16	9.16	9.20	10.05	9.51	9.37	9.10	9.11	9.06	9.01	8.88	
11	8.84	9.16	9.17	9.19	9.32	9.37	9.40	9.10	9.11	9.06	9.02	8.87	
12	8.83	9.14	9.15	9.19	9.24	9.41	9.33	9.11	9.11	9.06	9.03	8.86	
13	8.82	9.14	9.14	9.19	9.33	9.69	9.31	9.10	9.11	9.06	9.03	8.87	
14	8.81	9.13	9.13	9.22	9.27	9.47	9.29	9.12	9.11	9.06	9.03	8.87	
15	8.79	9.13	9.12	9.21	9.22	9.37	9.26	9.14	9.10	9.06	9.04	8.87	
16	8.78	9.12	9.12	9.18	9.45	9.35	9.24	9.15	9.10	9.06	9.04	8.87	
17	8.76	9.11	9.11	9.18	9.48	9.38	9.23	9.14	9.10	9.06	9.05	8.86	
18	8.75	9.11	9.15	9.16	9.34	9.47	9.22	9.14	9.09	9.06	9.04	8.85	
19	8.75	9.14	9.22	9.15	9.28	9.39	9.21	9.14	9.10	9.05	9.04	8.84	
20	8.77	9.17	9.16	9.18	9.27	9.40	9.19	9.14	9.09	9.04	9.04	8.83	
21	8.76	9.16	9.13	9.24	9.24	9.38	9.19	9.12	9.09	9.04	9.04	8.81	
22	8.75	9.19	9.12	9.24	9.25	9.52	9.18	9.12	9.09	9.03	9.03	8.80	
23	8.74	9.18	9.12	9.22	9.32	9.86	9.18	9.12	9.09	9.03	9.02	8.79	
24	8.73	9.16	9.12	9.20	9.29	9.49	9.17	9.12	9.09	9.02	8.99	8.77	
25	8.72	9.17	9.11	9.19	9.27	9.51	9.16	9.13	9.09	9.00	8.95	8.75	
26	8.70	9.19	9.11	9.21	9.55	9.50	9.16	9.14	9.09	8.98	8.96	8.74	
27	8.69	9.17	9.12	9.24	11.18	9.48	9.17	9.14	9.08	9.00	8.96	8.72	
28	8.71	9.15	9.13	9.22	10.04	9.40	9.17	9.15	9.08	9.01	8.97	8.70	
29	8.84	9.14	9.13	9.21	9.91	10.15	9.16	9.15	9.08	9.01		8.68	
30	8.86	9.13	9.14	9.20	10.05	11.25	9.16	9.16	9.08	8.99		8.65	
31		9.12		9.18	9.47		9.16		9.07	8.98		8.63	
Mean	8.82	9.10	9.14	9.19	9.49	9.53	9.35	9.13	9.11	9.04	9.00	8.83	
Max	8.96	9.19	9.24	9.24	11.18	11.25	10.36	9.16	9.17	9.08	9.05	8.94	11.25
Min	8.69	8.88	9.10	9.13	9.20	9.25	9.16	9.10	9.07	8.98	8.95	8.63	8.63
Annual Max Momentary Gage Height	11.69		m. (MSL.) ,			at 22.00 Hours , on Sep 29, 2022							
Zero Gage at Bottom Elevation		5.10	m. (MSL.) ,			River Bed	5.11	m. (MSL.)					
Left Bank Elevation		11.68	m. (MSL.) ,										
Right Bank Elevation		11.62	m. (MSL.) ,			Drainage Are	200	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	7.00	14.20	43.20	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	5.50	9.00	29.00	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	5.00	10.00	22.60	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	5.00	9.50	41.20	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	5.00	9.00	26.50	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	5.50	7.50	16.30	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	10.00	8.00	19.40	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	10.00	14.90	21.00	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	50.50	41.40	15.60	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	37.00	25.50	14.90	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	11.40	14.90	17.00	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	7.00	17.80	12.10	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	12.10	30.90	10.70	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	8.50	22.60	9.50	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	6.00	14.90	8.00	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	21.00	13.50	7.00	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	23.40	15.60	6.50	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	12.80	22.60	6.00	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	9.00	16.30	5.50	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	8.50	17.00	4.70	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	7.00	15.60	4.70	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	7.50	26.00	4.40	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	11.40	33.20	4.40	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	9.50	24.20	4.10	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	8.50	25.50	3.80	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	27.50	25.00	3.80	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	68.80	23.40	4.10	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	36.80	17.00	4.10	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	34.20	39.00	3.80	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	37.00	73.50	3.80	0.00	0.00	0.00	0.00	0.00	
31		0.00		0.00	22.60		3.80		0.00	0.00		0.00	
Total	0.00	0.00	0.00	0.00	531.00	637.50	381.50	0.00	0.00	0.00	0.00	0.00	1550.00
Mean	0.00	0.00	0.00	0.00	17.13	21.25	12.31	0.00	0.00	0.00	0.00	0.00	4.25
Max	0.00	0.00	0.00	0.00	68.80	73.50	43.20	0.00	0.00	0.00	0.00	0.00	73.50
Min	0.00	0.00	0.00	0.00	5.00	7.50	3.80	0.00	0.00	0.00	0.00	0.00	0.00
Runoff	0.00	0.00	0.00	0.00	45.88	55.08	32.96	0.00	0.00	0.00	0.00	0.00	133.92
Momentary Peak	CMS. at 11.69 m. (MSL.) at 22.00 Hours , on Sep 29, 2022												
Runoff Yield	21.23	Liters/Second/Square KM.			Momentary Peak Yield			680.00	Liters/Second/Square KM.				

WATER YEAR : 2022

BANG PAKONG RIVER BASIN

Khlong Samo Pun at Ban Noen Hom , Prachin Buri (Ny.4)

Lat 14 - 17 - 40 N Long 101 - 23 - 43 E

Location : on left bank at the bridge of Prachin Buri - Khao Yai Highway.

	Ban Noen Hom	Amphoe Mueang	Changwat Prachin Buri
Drainge Area	151 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+376.100 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank at the abutment of the bridge.	Elevation	+382.580 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1986 to date		
Rating Operation			
Period of Rating	1986 to date		
Rated by Float	-		
Rated by Current Meter	1986 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records very good. Stage-discharge relation defined by 34 discharge measurements made in 2022.		

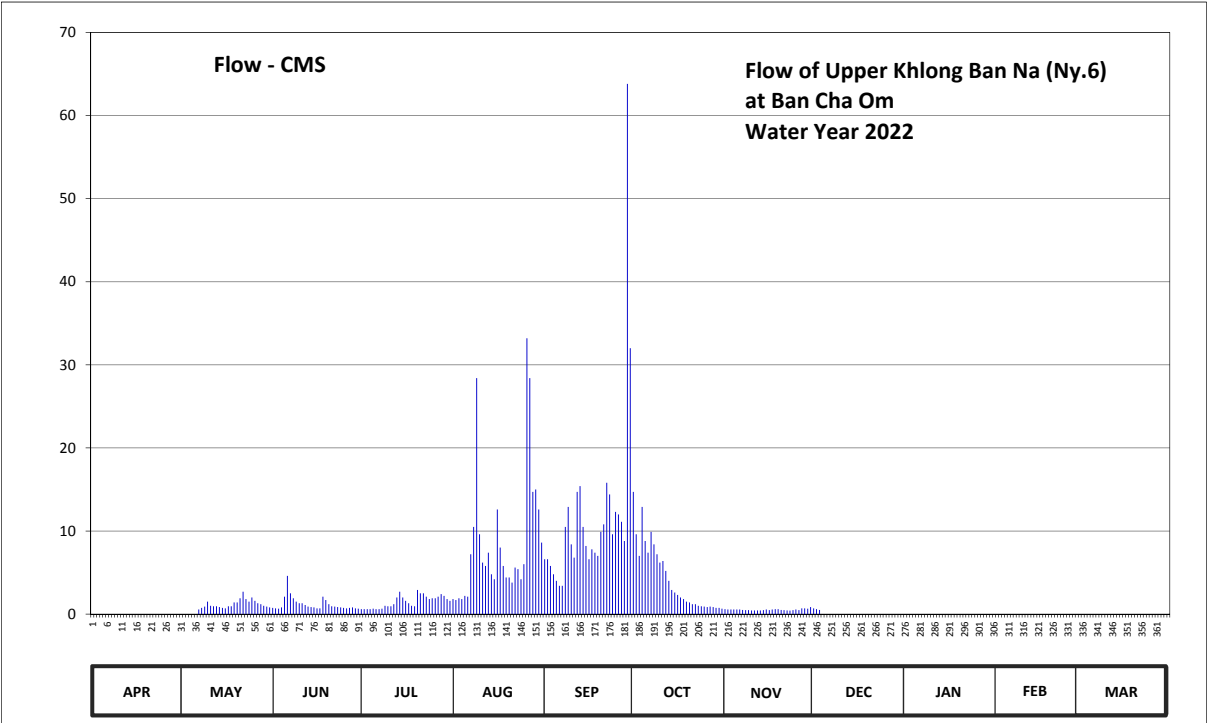
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	376.33	376.49	376.87	376.59	376.80	377.27	378.08	376.59	376.50	376.40	376.38	376.35	
2	376.33	376.51	376.75	376.58	376.86	377.25	377.67	376.59	376.50	376.40	376.38	376.35	
3	376.33	376.56	376.76	377.37	377.47	377.22	377.47	376.58	376.50	376.40	376.38	376.35	
4	376.33	376.56	376.83	376.81	377.25	377.13	377.44	376.58	376.49	376.40	376.38	376.35	
5	376.34	376.58	377.41	376.84	377.15	377.15	377.27	376.58	376.49	376.40	376.38	376.35	
6	376.34	376.58	377.76	376.79	376.98	377.09	377.19	376.58	376.49	376.39	376.38	376.35	
7	376.34	376.58	377.23	376.79	378.58	377.08	377.31	376.57	376.48	376.39	376.38	376.35	
8	376.34	376.58	377.03	376.76	378.25	377.78	377.30	376.57	376.47	376.39	376.38	376.35	
9	376.34	376.58	376.78	377.13	378.83	377.62	377.10	376.57	376.47	376.39	376.38	376.35	
10	376.34	376.75	376.80	377.78	378.20	377.25	377.10	376.56	376.47	376.39	376.38	376.35	
11	376.35	376.76	376.78	377.07	378.62	377.18	377.03	376.56	376.46	376.39	376.38	376.35	
12	376.35	376.83	376.70	376.84	378.72	377.17	376.95	376.56	376.46	376.39	376.38	376.35	
13	376.35	376.75	376.74	376.97	378.22	377.13	376.95	376.55	376.46	376.39	376.38	376.34	
14	376.35	376.77	376.74	376.95	377.53	377.27	376.90	376.55	376.45	376.39	376.37	376.34	
15	376.35	376.82	376.71	376.87	376.93	377.67	376.90	376.55	376.45	376.39	376.37	376.34	
16	376.36	376.83	376.68	376.92	377.95	377.40	376.90	376.55	376.44	376.39	376.37	376.34	
17	376.36	376.82	376.64	376.86	377.92	377.75	376.90	376.54	376.44	376.39	376.37	376.34	
18	376.36	376.81	376.64	376.58	378.30	377.55	376.90	376.54	376.44	376.39	376.37	376.34	
19	376.37	376.67	376.60	376.57	377.55	377.82	376.85	376.54	376.44	376.39	376.36	376.34	
20	376.37	376.74	376.60	378.23	377.48	377.60	376.85	376.53	376.43	376.39	376.36	376.34	
21	376.37	376.69	376.68	377.67	377.25	377.25	376.85	376.53	376.43	376.39	376.36	376.34	
22	376.37	377.05	376.65	377.50	377.17	377.28	376.85	376.53	376.43	376.39	376.36	376.33	
23	376.38	376.95	376.64	376.77	377.03	377.62	376.85	376.53	376.42	376.38	376.36	376.33	
24	376.38	377.12	376.64	376.70	377.73	377.85	376.85	376.52	376.41	376.38	376.36	376.32	
25	376.38	377.23	376.75	376.52	377.85	378.37	376.77	376.52	376.41	376.38	376.36	376.32	
26	376.38	377.03	376.65	376.53	378.18	377.80	376.70	376.52	376.41	376.38	376.36	376.32	
27	376.38	377.00	376.63	377.00	377.95	377.59	376.70	376.52	376.41	376.38	376.35	376.31	
28	376.38	377.18	376.74	376.95	377.45	377.55	376.68	376.52	376.40	376.38	376.35	376.31	
29	376.38	376.91	376.66	376.70	377.46	378.23	376.66	376.51	376.40	376.38		376.31	
30	376.38	376.77	376.65	376.59	377.43	378.70	376.60	376.51	376.40	376.38		376.31	
31		376.74		377.13	377.31		376.60		376.40	376.38		376.35	
Mean	376.36	376.78	376.79	376.95	377.69	377.52	377.01	376.55	376.45	376.39	376.37	376.34	
Max	376.38	377.23	377.76	378.23	378.83	378.70	378.08	376.59	376.50	376.40	376.38	376.35	378.83
Min	376.33	376.49	376.60	376.52	376.80	377.08	376.60	376.51	376.40	376.38	376.35	376.31	376.31
Annual Max Momentary Gage Height	379.50		m. (MSL.) ,		at 06.00 Hours , on Aug 9, 2022								
Zero Gage at Bottom Elevation	376.10		m. (MSL.) ,		River Bed		375.10		m. (MSL.)				
Left Bank Elevation	380.06		m. (MSL.) ,										
Right Bank Elevation	381.16		m. (MSL.) ,		Drainage Are		151		Square Kilometers				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	5.40	1.90	4.00	15.10	47.00	1.90	0.00	0.00	0.00	0.00	
2	0.00	1.10	3.50	1.80	5.20	14.50	28.80	1.90	0.00	0.00	0.00	0.00	
3	0.00	1.60	3.60	18.10	21.10	13.60	21.10	1.80	0.00	0.00	0.00	0.00	
4	0.00	1.60	4.60	4.20	14.50	10.90	20.20	1.80	0.00	0.00	0.00	0.00	
5	0.00	1.80	19.30	4.80	11.50	11.50	15.10	1.80	0.00	0.00	0.00	0.00	
6	0.00	1.80	32.40	3.90	7.60	9.80	12.70	1.80	0.00	0.00	0.00	0.00	
7	0.00	1.80	13.90	3.90	79.60	9.60	16.30	1.70	0.00	0.00	0.00	0.00	
8	0.00	1.80	8.60	3.60	57.00	33.20	16.00	1.70	0.00	0.00	0.00	0.00	
9	0.00	1.80	3.80	10.90	99.70	26.80	10.00	1.70	0.00	0.00	0.00	0.00	
10	0.00	3.50	4.00	33.20	54.00	14.50	10.00	0.00	0.00	0.00	0.00	0.00	
11	0.00	3.60	3.80	9.40	82.60	12.40	8.60	0.00	0.00	0.00	0.00	0.00	
12	0.00	4.60	3.00	4.80	90.60	12.10	7.00	0.00	0.00	0.00	0.00	0.00	
13	0.00	3.50	3.40	7.40	55.20	10.90	7.00	0.00	0.00	0.00	0.00	0.00	
14	0.00	3.70	3.40	7.00	23.20	15.10	6.00	0.00	0.00	0.00	0.00	0.00	
15	0.00	4.40	3.10	5.40	6.60	28.80	6.00	0.00	0.00	0.00	0.00	0.00	
16	0.00	4.60	2.80	6.40	40.50	19.00	6.00	0.00	0.00	0.00	0.00	0.00	
17	0.00	4.40	2.40	5.20	39.00	32.00	6.00	0.00	0.00	0.00	0.00	0.00	
18	0.00	4.20	2.40	1.80	60.00	24.00	6.00	0.00	0.00	0.00	0.00	0.00	
19	0.00	2.70	2.00	1.70	24.00	34.80	5.00	0.00	0.00	0.00	0.00	0.00	
20	0.00	3.40	2.00	55.80	21.40	26.00	5.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	2.90	2.80	28.80	14.50	14.50	5.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	9.00	2.50	22.00	12.10	15.40	5.00	0.00	0.00	0.00	0.00	0.00	
23	0.00	7.00	2.40	3.70	8.60	26.80	5.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	10.60	2.40	3.00	31.20	36.00	5.00	0.00	0.00	0.00	0.00	0.00	
25	0.00	13.90	3.50	1.20	36.00	64.90	3.70	0.00	0.00	0.00	0.00	0.00	
26	0.00	8.60	2.50	1.30	52.80	34.00	3.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	8.00	2.30	8.00	40.50	25.60	3.00	0.00	0.00	0.00	0.00	0.00	
28	0.00	12.40	3.40	7.00	20.50	24.00	2.80	0.00	0.00	0.00	0.00	0.00	
29	0.00	6.20	2.60	3.00	20.80	55.80	2.60	0.00	0.00	0.00	0.00	0.00	
30	0.00	3.70	2.50	1.90	19.90	89.00	2.00	0.00	0.00	0.00		0.00	
31		3.40		10.90	16.30		2.00		0.00	0.00		0.00	
Total	0.00	141.60	154.30	282.00	1070.50	760.60	298.90	16.10	0.00	0.00	0.00	0.00	2724.00
Mean	0.0												

Lat 14 - 24 - 25 N Long 101 - 06 - 22 E

	Ban	Cha Om	Amphoe	Kaeng Khoi	Changwat	Saraburi
Drainage Area	114	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+28.850	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 50 meters from the top staff gage.				Elevation	+34.960 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1988 to date					
Rating Operation						
Period of Rating	1988 to date					
Rated by Float	-					
Rated by Current Meter	1988 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 30 discharge measurements made in 2022.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	29.49	29.50	29.65	29.62	29.78	30.08	30.39	29.62	29.64	29.55	29.54	29.54	
2	29.48	29.52	29.64	29.62	29.77	30.08	30.22	29.61	29.62	29.55	29.54	29.54	
3	29.48	29.56	29.63	29.62	29.79	30.04	30.10	29.61	29.60	29.55	29.54	29.54	
4	29.48	29.55	29.66	29.62	29.78	29.99	30.33	29.61	29.59	29.55	29.54	29.54	
5	29.47	29.54	29.81	29.63	29.82	29.95	30.19	29.61	29.58	29.56	29.54	29.54	
6	29.45	29.55	29.98	29.62	29.81	29.92	30.12	29.61	29.57	29.56	29.54	29.54	
7	29.45	29.61	29.85	29.62	30.11	29.92	30.23	29.60	29.57	29.57	29.54	29.54	
8	29.45	29.65	29.79	29.63	30.25	30.25	30.17	29.59	29.56	29.57	29.54	29.54	
9	29.45	29.68	29.75	29.70	30.69	30.33	30.11	29.59	29.56	29.57	29.54	29.54	
10	29.45	29.75	29.73	29.69	30.22	30.17	30.06	29.58	29.56	29.58	29.54	29.54	
11	29.45	29.70	29.73	29.69	30.06	30.09	30.07	29.58	29.56	29.58	29.54	29.54	
12	29.46	29.69	29.71	29.72	30.04	30.39	30.01	29.58	29.55	29.58	29.54	29.54	
13	29.43	29.69	29.68	29.80	30.12	30.41	29.95	29.58	29.55	29.58	29.55	29.54	
14	29.43	29.67	29.67	29.87	29.99	30.25	29.89	29.59	29.55	29.58	29.55	29.54	
15	29.42	29.65	29.66	29.80	29.96	30.16	29.86	29.61	29.55	29.58	29.55	29.54	
16	29.41	29.64	29.64	29.76	30.32	30.08	29.83	29.59	29.55	29.58	29.55	29.54	
17	29.41	29.69	29.64	29.73	30.15	30.14	29.80	29.61	29.55	29.58	29.55	29.54	
18	29.41	29.69	29.81	29.70	30.04	30.12	29.78	29.62	29.55	29.57	29.55	29.54	
19	29.43	29.74	29.77	29.69	29.97	30.10	29.75	29.62	29.55	29.57	29.55	29.54	
20	29.47	29.74	29.72	29.89	29.97	30.23	29.74	29.60	29.55	29.56	29.55	29.54	
21	29.45	29.79	29.69	29.85	29.94	30.26	29.72	29.59	29.55	29.57	29.55	29.54	
22	29.44	29.87	29.68	29.85	30.03	30.42	29.72	29.58	29.55	29.57	29.55	29.54	
23	29.43	29.78	29.67	29.81	30.02	30.38	29.70	29.57	29.55	29.56	29.56	29.54	
24	29.42	29.75	29.66	29.78	29.96	30.22	29.69	29.59	29.55	29.56	29.61	29.54	
25	29.39	29.80	29.65	29.79	30.05	30.31	29.68	29.61	29.55	29.56	29.56	29.54	
26	29.39	29.76	29.64	29.79	30.77	30.30	29.67	29.59	29.55	29.56	29.55	29.54	
27	29.38	29.73	29.65	29.81	30.69	30.27	29.68	29.64	29.55	29.56	29.55	29.54	
28	29.46	29.72	29.66	29.84	30.39	30.19	29.67	29.64	29.55	29.55	29.55	29.54	
29	29.59	29.70	29.64	29.82	30.40	31.21	29.65	29.63	29.55	29.55		29.54	
30	29.51	29.68	29.63	29.78	30.32	30.75	29.65	29.67	29.55	29.55</			



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.75	0.60	1.80	6.60	14.70	0.60	0.70	0.00	0.00	0.00		
2	0.00	0.00	0.70	0.60	1.70	6.60	9.60	0.55	0.60	0.00	0.00	0.00		
3	0.00	0.00	0.65	0.60	1.90	5.80	7.00	0.55	0.50	0.00	0.00	0.00		
4	0.00	0.00	0.80	0.60	1.80	4.80	12.90	0.55	0.00	0.00	0.00	0.00		
5	0.00	0.00	2.10	0.65	2.20	4.00	8.80	0.55	0.00	0.00	0.00	0.00		
6	0.00	0.00	4.60	0.60	2.10	3.40	7.40	0.55	0.00	0.00	0.00	0.00		
7	0.00	0.55	2.50	0.60	7.20	3.40	9.90	0.50	0.00	0.00	0.00	0.00		
8	0.00	0.75	1.90	0.65	10.50	10.50	8.40	0.48	0.00	0.00	0.00	0.00		
9	0.00	0.90	1.50	1.00	28.40	12.90	7.20	0.48	0.00	0.00	0.00	0.00		
10	0.00	1.50	1.30	0.95	9.60	8.40	6.20	0.45	0.00	0.00	0.00	0.00		
11	0.00	1.00	1.30	0.95	6.20	6.80	6.40	0.45	0.00	0.00	0.00	0.00		
12	0.00	0.95	1.10	1.20	5.80	14.70	5.20	0.45	0.00	0.00	0.00	0.00		
13	0.00	0.95	0.90	2.00	7.40	15.40	4.00	0.45	0.00	0.00	0.00	0.00		
14	0.00	0.85	0.85	2.70	4.80	10.50	2.90	0.48	0.00	0.00	0.00	0.00		
15	0.00	0.75	0.80	2.00	4.20	8.20	2.60	0.55	0.00	0.00	0.00	0.00		
16	0.00	0.70	0.70	1.60	12.60	6.60	2.30	0.48	0.00	0.00	0.00	0.00		
17	0.00	0.95	0.70	1.30	8.00	7.80	2.00	0.55	0.00	0.00	0.00	0.00		
18	0.00	0.95	2.10	1.00	5.80	7.40	1.80	0.60	0.00	0.00	0.00	0.00		
19	0.00	1.40	1.70	0.95	4.40	7.00	1.50	0.60	0.00	0.00	0.00	0.00		
20	0.00	1.40	1.20	2.90	4.40	9.90	1.40	0.50	0.00	0.00	0.00	0.00		
21	0.00	1.90	0.95	2.50	3.80	10.80	1.20	0.48	0.00	0.00	0.00	0.00		
22	0.00	2.70	0.90	2.50	5.60	15.80	1.20	0.45	0.00	0.00	0.00	0.00		
23	0.00	1.80	0.85	2.10	5.40	14.40	1.00	0.43	0.00	0.00	0.00	0.00		
24	0.00	1.50	0.80	1.80	4.20	9.60	0.95	0.48	0.00	0.00	0.00	0.00		
25	0.00	2.00	0.75	1.90	6.00	12.30	0.90	0.55	0.00	0.00	0.00	0.00		
26	0.00	1.60	0.70	1.90	33.20	12.00	0.85	0.48	0.00	0.00	0.00	0.00		
27	0.00	1.30	0.75	2.10	28.40	11.10	0.90	0.70	0.00	0.00	0.00	0.00		
28	0.00	1.20	0.80	2.40	14.70	8.80	0.85	0.70	0.00	0.00	0.00	0.00		
29	0.00	1.00	0.70	2.20	15.00	63.80	0.75	0.65	0.00	0.00		0.00		
30	0.00	0.90	0.65	1.80	12.60	32.00	0.75	0.85	0.00	0.00		0.00		
31		0.80		1.60	8.60		0.65		0.00	0.00		0.00		
Total	0.00	30.30	36.00	46.25	268.30	351.30	132.20	16.14	1.80	0.00	0.00	0.00	882.29	CMSDAY
Mean	0.00	0.98	1.20	1.49	8.65	11.71	4.26	0.54	0.06	0.00	0.00	0.00	2.42	CMS
Max	0.00	2.70	4.60	2.90	33.20	63.80	14.70	0.85	0.70	0.00	0.00	0.00	63.80	CMS
Min	0.00	0.00	0.65	0.60	1.70	3.40	0.65	0.43	0.00	0.00	0.00	0.00	0.00	CMS
Runoff	0.00	2.62	3.11	4.00	23.18	30.35	11.42	1.39	0.16	0.00	0.00	0.00	76.23	MCM
Momentary Peak	CMS. at 32.45 m. (MSL.) at 13.00 Hours , on Sep 29, 2022													
Runoff Yield	21.20	Liters/Second/Square KM.		Momentary Peak Yield			1763.16	Liters/Second/Square KM.						

WATER YEAR : 2022

TONLE SAP BASIN

Khlong Phra Phut at Ban Pang Ngon , Chanthaburi (Tl.3)

Lat 12 - 58 - 19 N Long 102 - 17 - 07 E

Location : on left bank downstream from the bridge of Pong Nam Ron -Wang Nam Yen Highway.

	Ban Pang Ngon	Amphoe Pong Nam Ron	Changwat Chanthaburi
Drainge Area	70 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+190.680 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 6 meters from the top staff gage.	Elevation	+194.887 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1983 to date		
Rating Operation			
Period of Rating	1986 to date		
Rated by Float	-		
Rated by Current Meter	1986 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records very good. Flow effected by the local weir. Stage-discharge relation defined by 14 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	190.97	191.02	191.13	191.07	191.28	191.47	191.83	191.31	191.29	191.12	191.00	190.97	
2	191.01	191.02	191.09	191.08	191.25	191.47	191.77	191.30	191.27	191.12	190.99	190.96	
3	191.05	191.04	191.07	191.32	191.24	191.49	191.76	191.29	191.28	191.12	191.01	190.96	
4	191.01	191.00	191.20	191.24	191.21	191.45	191.76	191.27	191.25	191.11	191.02	190.96	
5	190.98	190.99	191.14	191.20	191.21	191.39	191.64	191.27	191.22	191.10	191.00	190.96	
6	190.95	190.98	191.14	191.20	191.21	191.36	191.60	191.27	191.21	191.11	191.00	190.96	
7	190.93	191.04	191.13	191.17	191.20	191.36	191.77	191.26	191.21	191.12	191.00	190.96	
8	190.92	191.25	191.11	191.20	191.21	191.51	191.74	191.25	191.20	191.10	190.99	190.96	
9	190.92	191.20	191.10	191.36	191.30	191.57	191.73	191.24	191.19	191.10	190.98	190.96	
10	190.91	191.08	191.07	191.39	191.51	191.51	191.93	191.23	191.18	191.10	190.98	190.96	
11	190.91	191.04	191.07	191.34	191.69	191.53	191.93	191.23	191.18	191.14	190.98	190.96	
12	190.91	191.02	191.06	191.50	191.84	191.49	191.71	191.23	191.18	191.14	190.98	190.96	
13	190.91	191.03	191.07	191.70	191.59	191.50	191.65	191.22	191.18	191.12	190.97	190.96	
14	190.91	191.02	191.06	191.57	191.47	191.53	191.61	191.26	191.17	191.10	190.97	190.92	
15	190.90	190.99	191.04	191.49	191.41	191.47	191.58	191.21	191.17	191.09	190.98	190.89	
16	190.90	191.05	191.04	191.39	191.42	191.44	191.56	191.20	191.18	191.09	190.99	190.89	
17	190.89	191.10	191.03	191.32	191.39	191.50	191.47	191.19	191.18	191.08	190.99	190.89	
18	190.88	191.06	191.03	191.28	191.35	191.57	191.40	191.20	191.18	191.08	191.00	190.89	
19	190.89	191.05	191.03	191.25	191.33	191.64	191.38	191.19	191.17	191.08	191.00	190.89	
20	190.89	191.07	191.03	191.42	191.36	191.65	191.37	191.25	191.16	191.07	191.00	190.89	
21	190.89	191.12	191.05	191.58	191.34	191.59	191.36	191.28	191.15	191.03	191.00	190.89	
22	190.88	191.15	191.06	191.46	191.56	191.54	191.35	191.21	191.14	191.02	191.00	190.89	
23	190.88	191.13	191.06	191.42	191.46	191.50	191.34	191.33	191.14	191.02	190.99	190.89	
24	190.88	191.08	191.07	191.38	191.45	191.54	191.33	191.61	191.14	191.00	190.98	190.89	
25	190.88	191.06	191.07	191.35	191.49	191.50	191.32	191.46	191.13	191.00	190.97	190.89	
26	190.88	191.03	191.06	191.32	191.64	191.55	191.32	191.43	191.14	191.00	190.97	190.89	
27	190.89	191.08	191.04	191.34	191.54	191.58	191.41	191.48	191.13	190.99	190.96	190.89	
28	190.96	191.16	191.03	191.46	191.46	191.56	191.38	191.39	191.13	190.99	190.95	190.89	
29	191.00	191.26	191.02	191.42	191.56	191.88	191.36	191.36	191.13	190.99		190.92	
30	191.02	191.21	191.02	191.34	191.45	191.93	191.34	191.32	191.12	190.99		190.94	
31		191.20		191.29	191.52		191.33		191.12	191.00		190.90	
Mean	190.93	191.08	191.07	191.35	191.42	191.54	191.55	191.29	191.18	191.07	190.99	190.92	
Max	191.05	191.26	191.20	191.70	191.84	191.93	191.93	191.61	191.29	191.14	191.02	190.97	191.93
Min	190.88	190.98	191.02	191.07	191.20	191.36	191.32	191.19	191.12	190.99	190.95	190.89	190.88
Annual Max Momentary Gage Height	193.29		m. (MSL.) ,		at 20.00 Hours , on Oct 7, 2022								
Zero Gage at Bottom Elevation	190.68		m. (MSL.) ,		River Bed	190.65	m. (MSL.)						
Left Bank Elevation	195.64		m. (MSL.) ,										
Right Bank Elevation	195.63		m. (MSL.) ,		Drainage Are	70	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	1.15	0.85	1.90	4.05	11.90	2.10	1.95	1.10	0.00	0.00		
2	0.00	0.00	0.95	0.90	1.75	4.05	10.25	2.00	1.85	1.10	0.00	0.00		
3	0.00	0.00	0.85	2.20	1.70	4.35	10.00	1.95	1.90	1.10	0.00	0.00		
4	0.00	0.00	1.50	1.70	1.55	3.75	10.00	1.85	1.75	1.05	0.00	0.00		
5	0.00	0.00	1.20	1.50	1.55	2.90	7.00	1.85	1.60	1.00	0.00	0.00		
6	0.00	0.00	1.20	1.50	1.55	2.60	6.00	1.85	1.55	1.05	0.00	0.00		
7	0.00	0.00	1.15	1.35	1.50	2.60	10.25	1.80	1.55	1.10	0.00	0.00		
8	0.00	0.00	1.05	1.50	1.55	4.65	9.50	1.75	1.50	1.00	0.00	0.00		
9	0.00	0.00	1.00	2.60	2.00	5.55	9.25	1.70	1.45	1.00	0.00	0.00		
10	0.00	0.00	0.85	2.90	4.65	4.65	14.90	1.65	1.40	0.00	0.00	0.00		
11	0.00	0.00	0.85	2.40	8.25	4.95	14.90	1.65	1.40	0.00	0.00	0.00		
12	0.00	0.00	0.80	4.50	12.20	4.35	8.75	1.65	1.40	0.00	0.00	0.00		
13	0.00	0.00	0.85	8.50	5.85	4.50	7.25	1.60	1.40	0.00	0.00	0.00		
14	0.00	0.00	0.80	5.55	4.05	4.95	6.25	1.80	1.35	0.00	0.00	0.00		
15	0.00	0.00	0.70	4.35	3.15	4.05	5.70	1.55	1.35	0.00	0.00	0.00		
16	0.00	0.00	0.70	2.90	3.30	3.60	5.40	1.50	1.40	0.00	0.00	0.00		
17	0.00	0.00	0.65	2.20	2.90	4.50	4.05	1.45	1.40	0.00	0.00	0.00		
18	0.00	0.00	0.65	1.90	2.50	5.55	3.00	1.50	1.40	0.00	0.00	0.00		
19	0.00	0.00	0.65	1.75	2.30	7.00	2.80	1.45	1.35	0.00	0.00	0.00		
20	0.00	0.00	0.65	3.30	2.60	7.25	2.70	1.75	1.30	0.00	0.00	0.00		
21	0.00	1.10	0.75	5.70	2.40	5.85	2.60	1.90	1.25	0.00	0.00	0.00		
22	0.00	1.25	0.80	3.90	5.40	5.10	2.50	1.55	1.20	0.00	0.00	0.00		
23	0.00	1.15	0.80	3.30	3.90	4.50	2.40	2.30	1.20	0.00	0.00	0.00		
24	0.00	0.90	0.85	2.80	3.75	5.10	2.30	6.25	1.20	0.00	0.00	0.00		
25	0.00	0.80	0.85	2.50	4.35	4.50	2.20	3.90	1.15	0.00	0.00	0.00		
26	0.00	0.65	0.80	2.20	7.00	5.25	2.20	3.45	1.20	0.00	0.00	0.00		
27	0.00	0.90	0.70	2.40	5.10	5.70	3.15	4.20	1.15	0.00	0.00	0.00		
28	0.00	1.30	0.65	3.90	3.90	5.40	2.80	2.90	1.15	0.00	0.00	0.00		
29	0.00	1.80	0.60	3.30	5.40	13.40	2.60	2.60	1.15	0.00	0.00	0.00		
30	0.00	1.55	0.60	2.40	3.75	14.90	2.40	2.20	1.10	0.00	0.00	0.00		
31		1.50		1.95	4.80		2.30		1.10	0.00	0.00	0.00		
Total	0.00	12.90	25.60	88.70	116.55	159.55	187.30	65.6						

WATER YEAR : 2022**TONLE SAP BASIN****Khlong Ta Kong at Ban Khlong Ta Kong , Chanthaburi (Tl.4)**

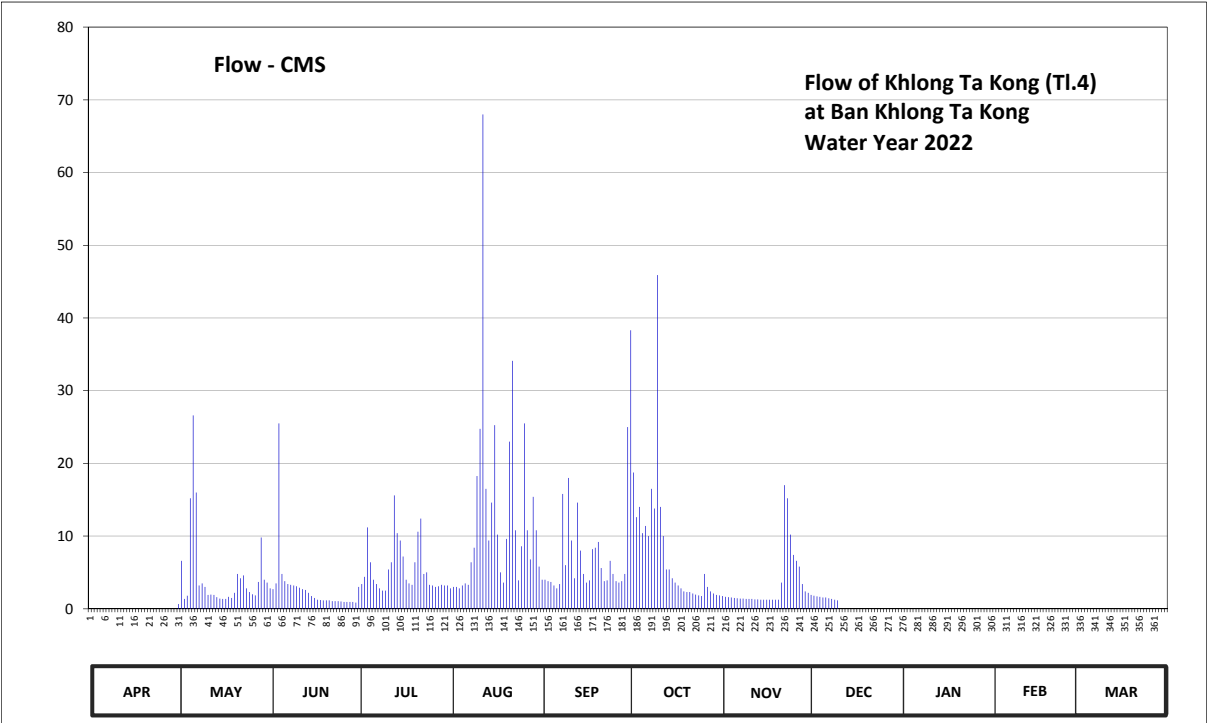
Lat 12 - 55 - 02 N Long 102 - 19 - 29 E

Location : on left bank downstream from the bridge of Amphoe Pong Nam Ron - Ban Pong Nam Ron.

	Ban	Khlong Ta Kong	Amphoe	Pong Nam Ron	Changwat	Chanthaburi
Drainge Area	80	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+177.430 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 30 meters from the top staff gage.				Elevation	+184.723 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1984 to date					
Rating Operation						
Period of Rating	1986 to date					
Rated by Float	-					
Rated by Current Meter	1986 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow					
General Description	Records very good. Flow effected by the local weir.					
	Stage-discharge relation defined by 22 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	177.91	177.93	178.28	178.30	178.28	178.40	179.81	178.15	178.18	177.89	178.07	178.11	
2	177.91	178.53	178.27	178.34	178.30	178.40	179.11	178.13	178.16	177.90	178.07	178.10	
3	177.91	178.07	178.35	178.42	178.30	178.38	178.83	178.12	178.14	177.91	178.07	178.10	
4	177.91	178.16	179.38	178.76	178.28	178.37	178.90	178.11	178.13	177.92	178.47	178.10	
5	177.90	178.96	178.44	178.52	178.32	178.32	178.72	178.10	178.11	177.93	178.32	178.10	
6	177.90	179.42	178.38	178.40	178.35	178.28	178.77	178.09	178.11	177.94	178.29	178.10	
7	177.90	179.00	178.34	178.34	178.33	178.34	178.70	178.08	178.09	177.95	178.27	178.10	
8	177.89	178.32	178.33	178.28	178.52	178.99	179.02	178.08	178.07	177.96	178.25	178.10	
9	177.89	178.35	178.32	178.25	178.62	178.50	178.89	178.07	178.05	177.97	178.25	178.10	
10	177.89	178.30	178.31	178.25	179.09	179.08	180.04	178.07	178.03	177.98	178.23	178.10	
11	177.88	178.18	178.29	178.47	179.35	178.67	178.90	178.07	178.01	177.99	178.23	178.09	
12	177.88	178.19	178.27	178.52	180.60	178.41	178.70	178.06	178.01	178.00	178.23	178.09	
13	177.88	178.18	178.26	178.98	179.02	178.93	178.47	178.06	178.00	178.09	178.21	178.09	
14	177.87	178.12	178.22	178.72	178.67	178.60	178.47	178.05	178.00	178.01	178.21	178.09	
15	177.87	178.08	178.15	178.67	178.93	178.44	178.41	178.05	177.99	178.01	178.21	178.09	
16	177.86	178.07	178.10	178.56	179.37	178.36	178.36	178.05	177.99	177.99	178.19	178.09	
17	177.85	178.07	178.05	178.40	178.71	178.39	178.32	178.05	177.98	177.97	178.17	178.09	
18	177.85	178.13	178.04	178.35	178.45	178.61	178.28	178.05	177.97	177.97	178.15	178.09	
19	177.85	178.10	178.03	178.33	178.36	178.62	178.24	178.05	177.99	177.98	178.15	178.09	
20	177.85	178.22	178.03	178.52	178.68	178.66	178.23	178.05	177.95	177.99	178.13	178.09	
21	177.85	178.44	178.03	178.73	179.28	178.48	178.23	178.36	177.94	177.99	178.13	178.09	
22	177.87	178.41	178.01	178.82	179.67	178.38	178.21	179.04	177.93	177.99	178.11	178.09	
23	177.87	178.43	178.01	178.44	178.74	178.39	178.19	178.96	177.92	178.00	178.11	178.09	
24	177.89	178.28	178.01	178.45	178.39	178.53	178.17	178.71	177.91	178.01	178.11	178.09	
25	177.89	178.23	178.00	178.33	178.63	178.44	178.15	178.57	177.91	178.01	178.11	178.09	
26	177.89	178.20	177.99	178.32	179.38	178.38	178.44	178.53	177.90	178.01	178.11	178.09	
27	177.90	178.17	177.99	178.30	178.74	178.36	178.30	178.49	177.89	178.01	178.11	178.09	
28	177.91	178.37	177.99	178.31	178.54	178.38	178.24	178.34	177.87	178.01	178.11	178.09	
29	177.98	178.69	177.99	178.33	178.97	178.44	178.21	178.24	177.89	178.01		178.09	
30	177.92	178.40	177.97	178.32	178.74	179.36	178.18	178.22	177.89	178.05		178.09	
31		178.36		178.32	178.49		178.17		177.89	178.07		178.09	
Mean	177.89	178.33	178.19	178.45	178.78	178.53	178.57	178.23	178.00	177.98	178.18	178.09	
Max	177.98	179.42	179.38	178.98	180.60	179.36	180.04	179.04	178.18	178.09	178.47	178.11	180.60
Min	177.85	177.93	177.97	178.25	178.28	178.28	178.15	178.05	177.87	177.89	178.07	178.09	177.85
Annual Max Momentary Gage Height	181.07	m. (MSL.) ,		at 06.00 Hours , on Aug 12, 2022									
Zero Gage at Bottom Elevation	177.43	m. (MSL.) ,		River Bed		177.42	m. (MSL.)						
Left Bank Elevation	184.83	m. (MSL.) ,											
Right Bank Elevation	184.50	m. (MSL.) ,		Drainage Are		80	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.65	2.80	3.00	2.80	4.00	38.30	1.75	1.90	0.00	0.00	0.00		
2	0.00	6.60	2.70	3.40	3.00	4.00	18.75	1.65	1.80	0.00	0.00	0.00		
3	0.00	1.35	3.50	4.40	3.00	3.80	12.60	1.60	1.70	0.00	0.00	0.00		
4	0.00	1.80	25.50	11.20	2.80	3.70	14.00	1.55	1.65	0.00	0.00	0.00		
5	0.00	15.20	4.80	6.40	3.20	3.20	10.40	1.50	1.55	0.00	0.00	0.00		
6	0.00	26.60	3.80	4.00	3.50	2.80	11.40	1.45	1.55	0.00	0.00	0.00		
7	0.00	16.00	3.40	3.40	3.30	3.40	10.00	1.40	1.45	0.00	0.00	0.00		
8	0.00	3.20	3.30	2.80	6.40	15.80	16.50	1.40	1.35	0.00	0.00	0.00		
9	0.00	3.50	3.20	2.50	8.40	6.00	13.80	1.35	1.25	0.00	0.00	0.00		
10	0.00	3.00	3.10	2.50	18.25	18.00	45.90	1.35	1.15	0.00	0.00	0.00		
11	0.00	1.90	2.90	5.40	24.75	9.40	14.00	1.35	0.00	0.00	0.00	0.00		
12	0.00	1.95	2.70	6.40	68.00	4.20	10.00	1.30	0.00	0.00	0.00	0.00		
13	0.00	1.90	2.60	15.60	16.50	14.60	5.40	1.30	0.00	0.00	0.00	0.00		
14	0.00	1.60	2.20	10.40	9.40	8.00	5.40	1.25	0.00	0.00	0.00	0.00		
15	0.00	1.40	1.75	9.40	14.60	4.80	4.20	1.25	0.00	0.00	0.00	0.00		
16	0.00	1.35	1.50	7.20	25.25	3.60	3.60	1.25	0.00	0.00	0.00	0.00		
17	0.00	1.35	1.25	4.00	10.20	3.90	3.20	1.25	0.00	0.00	0.00	0.00		
18	0.00	1.65	1.20	3.50	5.00	8.20	2.80	1.25	0.00	0.00	0.00	0.00		
19	0.00	1.50	1.15	3.30	3.60	8.40	2.40	1.25	0.00	0.00	0.00	0.00		
20	0.00	2.20	1.15	6.40	9.60	9.20	2.30	1.25	0.00	0.00	0.00	0.00		
21	0.00	4.80	1.15	10.60	23.00	5.60	2.30	3.60	0.00	0.00	0.00	0.00		
22	0.00	4.20	1.05	12.40	34.10	3.80	2.10	17.00	0.00	0.00	0.00	0.00		
23	0.00	4.60	1.05	4.80	10.80	3.90	1.95	15.20	0.00	0.00	0.00	0.00		
24	0.00	2.80	1.05	5.00	3.90	6.60	1.85	10.20	0.00	0.00	0.00	0.00		
25	0.00	2.30	1.00	3.30	8.60	4.80	1.75	7.40	0.00	0.00	0.00	0.00		
26	0.00	2.00	0.95	3.20	25.50	3.80	4.80	6.60	0.00	0.00	0.00	0.00		
27	0.00	1.85	0.95	3.00	10.80	3.60	3.00	5.80	0.00	0.00	0.00	0.00		
28	0.00	3.70	0.95	3.10	6.80	3.80	2.40	3.40	0.00	0.00	0.00	0.00		
29	0.00	9.80	0.95	3.30	15.40	4.80	2.10	2.40	0.00	0.00	0.00	0.00		
30	0.00	4.00	0.85	3.20	10.80	25.00	1.90	2.20	0.00	0.00	0.00	0.00		
31	0.00	3.60	0.85	3.20	5.80	25.00	1.85	2.20	0.00	0.00	0.00	0.00		
Total	0.00	138.35	84.45	170.30	397.05	204.70	270.95	101.50	15.35	0.00	0.00	0.00	1382.65	CMSDAY
Mean	0.00	4.46	2.82	5.49	12.81	6.82	8.74	3.38	0.50	0.00	0.00	0.00	3.79	CMS
Max	0.00	26.60	25.50	15.60	68.00	25.00	45.90	17.00	1.90	0.00	0.00	0.00	68.00	CMS
Min	0.00	0.65	0.85	2.50	2.80	2.80	1.75	1.25	0.00	0.00	0.00	0.00	0.00	CMS
Runoff	0.00	11.95	7.30	14.71	34.31	17.69	23.41	8.77	1.33	0.00	0.00	0.00	119.46	MCM
Momentary Peak	88.15 CMS. at 181.07 m. (MSL.) at 06.00 Hours , on Aug 12, 2022													
Runoff Yield	47.35	Liters/Second/Square KM. Momentary Peak Yield 1101.88 Liters/Second/Square KM.												

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Yai at Ban Si Bua Thong , Trat (Z.10)**

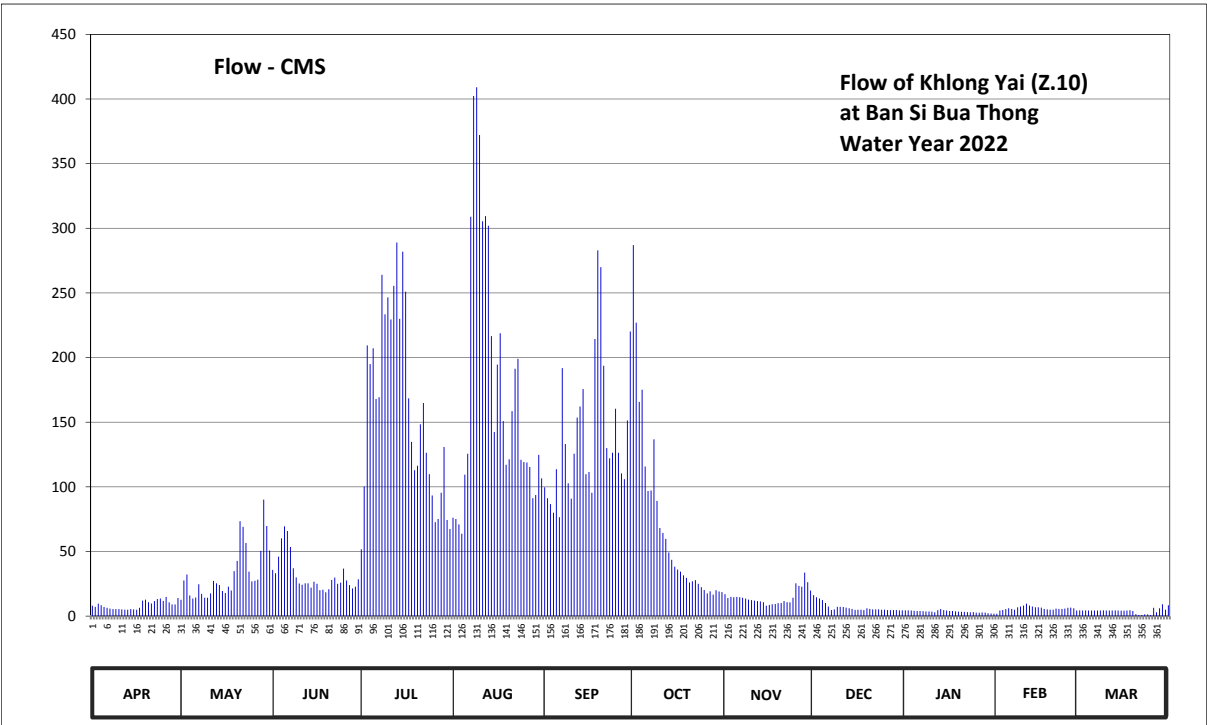
Lat 12 - 28 - 35 N Long 102 - 28 - 40 E

Location : on left bank at Ban Si Bua Thong

	Ban	Si Bua Thong	Amphoe	Khao Saming	Changwat	Trat
Drainge Area	778	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+1.901	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near automatic gage building.				Elevation	+13.181 m. (MSL.)
Gage Reading Frequency	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	1973 - 1978 , 1999 to date					
Rated by Float	-					
Rated by Current Meter	1973 - 1978 , 1999 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 75 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.65	3.88	5.04	5.59	6.39	7.06	11.30	4.10	4.06	3.45	3.19	3.44	
2	3.61	4.63	4.91	7.08	6.36	6.82	10.10	3.95	3.98	3.44	3.43	3.43	
3	3.73	4.86	5.40	9.72	6.23	6.69	8.75	3.99	3.93	3.43	3.47	3.44	
4	3.67	4.05	5.87	9.40	5.99	6.50	8.96	3.98	3.87	3.41	3.52	3.43	
5	3.60	3.93	6.18	9.67	7.34	7.46	7.52	3.99	3.76	3.39	3.55	3.43	
6	3.57	3.97	6.06	8.80	7.79	6.40	6.98	3.98	3.62	3.39	3.53	3.43	
7	3.54	4.48	5.65	8.83	11.74	9.33	6.99	3.96	3.47	3.38	3.50	3.43	
8	3.52	4.11	5.10	10.84	13.49	7.98	8.07	3.93	3.51	3.36	3.59	3.43	
9	3.52	3.96	4.75	10.23	13.61	7.15	6.76	3.89	3.61	3.36	3.62	3.45	
10	3.52	3.96	4.51	10.49	12.94	6.81	6.14	3.87	3.61	3.35	3.66	3.43	
11	3.51	4.13	4.46	10.15	11.67	7.79	6.01	3.85	3.60	3.30	3.73	3.43	
12	3.50	4.61	4.52	10.67	11.75	8.48	5.86	3.83	3.58	3.46	3.66	3.43	
13	3.50	4.52	4.52	11.34	11.60	8.67	5.51	3.82	3.55	3.52	3.62	3.45	
14	3.52	4.45	4.35	10.16	9.88	8.97	5.32	3.79	3.53	3.46	3.59	3.43	
15	3.51	4.22	4.58	11.20	8.21	7.35	5.14	3.65	3.48	3.43	3.59	3.42	
16	3.50	4.14	4.50	10.58	9.39	7.40	5.05	3.68	3.49	3.40	3.58	3.42	
17	3.57	4.39	4.25	8.81	9.93	6.94	4.97	3.71	3.49	3.39	3.53	3.43	
18	3.85	4.24	4.27	8.02	8.42	9.83	4.83	3.72	3.47	3.37	3.51	3.46	
19	3.89	4.99	4.17	7.44	7.56	11.22	4.73	3.75	3.55	3.35	3.49	3.39	
20	3.79	5.29	4.29	7.54	7.68	10.96	4.55	3.76	3.53	3.33	3.49	3.15	
21	3.74	6.31	4.65	8.36	8.59	9.37	4.60	3.83	3.51	3.33	3.54	3.09	
22	3.83	6.17	4.74	8.73	9.32	7.90	4.64	3.79	3.51	3.31	3.53	3.09	
23	3.91	5.75	4.50	7.81	9.49	7.70	4.50	3.78	3.51	3.30	3.53	3.14	
24	3.93	4.97	4.54	7.35	7.67	7.81	4.37	3.96	3.49	3.31	3.54	3.14	
25	3.84	4.59	5.09	6.88	7.62	8.63	4.26	4.52	3.49	3.27	3.57	3.09	
26	3.99	4.62	4.63	6.29	7.61	7.81	4.13	4.42	3.47	3.26	3.58	3.57	
27	3.78	4.66	4.45	6.36	7.51	7.37	4.21	4.39	3.46	3.28	3.55	3.30	
28	3.70	5.55	4.32	6.94	6.82	7.24	4.08	4.93	3.47	3.27	3.43	3.55	
29	3.70	6.79	4.39	7.92	6.89	8.43	4.25	4.56	3.47	3.22		3.71	
30	3.95	6.19	4.67	6.34	7.77	9.96	4.20	4.24	3.45	3.20		3.50	
31		5.56		6.11	7.26		4.18		3.45	3.19		3.67	
Mean	3.68	4.77	4.78	8.57	8.86	8.07	5.84	3.99	3.58	3.35	3.54	3.39	
Max	3.99	6.79	6.18	11.34	13.61	11.22	11.30	4.93	4.06	3.52	3.73	3.71	13.61
Min	3.50	3.88	4.17	5.59	5.99	6.40	4.08	3.65	3.45	3.19	3.19	3.09	3.09
Annual Max Momentary Gage Height	13.76		m. (MSL.) ,			at 12.00 Hours, on Aug 9, 2022							
Zero Gage at Bottom Elevation		1.90	m. (MSL.) ,			River Bed	2.30	m. (MSL.)					
Left Bank Elevation		14.12	m. (MSL.) ,										
Right Bank Elevation		13.84	m. (MSL.) ,			Drainage Are	778	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	8.00	12.60	35.80	51.70	76.15	99.60	287.00	17.00	16.20	4.50	1.90	4.40		
2	7.20	27.60	33.20	100.30	75.10	91.20	227.00	14.00	14.60	4.40	4.30	4.30		
3	9.60	32.20	46.00	209.40	70.90	86.65	165.75	14.80	13.60	4.30	4.70	4.40		
4	8.40	16.00	60.10	195.00	63.70	80.00	175.20	14.60	12.40	4.10	5.40	4.30		
5	7.00	13.60	69.40	207.15	109.40	113.60	115.70	14.80	10.20	3.90	6.00	4.30		
6	6.40	14.40	65.80	168.00	125.60	76.50	96.80	14.60	7.40	3.90	5.60	4.30		
7	5.80	24.60	53.50	169.35	309.00	191.85	97.15	14.20	4.70	3.80	5.00	4.30		
8	5.40	17.20	37.00	264.00	402.45	133.20	136.80	13.60	5.20	3.60	6.80	4.30		
9	5.40	14.20	30.00	233.50	409.05	102.75	89.10	12.80	7.20	3.60	7.40	4.50		
10	5.40	14.20	25.20	246.50	372.20	90.85	68.20	12.40	7.20	3.50	8.20	4.30		
11	5.20	17.60	24.20	229.50	305.50	125.60	64.30	12.00	7.00	3.00	9.60	4.30		
12	5.00	27.20	25.40	255.50	309.50	153.60	59.80	11.60	6.60	4.60	8.20	4.30		
13	5.00	25.40	25.40	289.00	302.00	162.15	49.30	11.40	6.00	5.40	7.40	4.50		
14	5.40	24.00	22.00	230.00	216.60	175.65	43.60	10.80	5.60	4.60	6.80	4.30		
15	5.20	19.40	26.60	282.00	142.40	109.75	38.20	8.00	4.80	4.30	6.80	4.20		
16	5.00	17.80	25.00	251.00	194.55	111.50	36.00	8.60	4.90	4.00	6.60	4.20		
17	6.40	22.80	20.00	168.45	218.85	95.40	34.40	9.20	4.90	3.90	5.60	4.30		
18	12.00	19.80	20.40	134.80	150.90	214.35	31.60	9.40	4.70	3.70	5.20	4.60		
19	12.80	34.80	18.40	112.90	117.10	283.00	29.60	10.00	6.00	3.50	4.90	3.90		
20	10.80	42.70	20.80	116.40	121.30	270.00	26.00	10.20	5.60	3.30	4.90	1.50		
21	9.80	73.35	28.00	148.40	158.55	193.65	27.00	11.60	5.20	3.30	5.80	0.90		
22	11.60	69.10	29.80	164.85	191.40	130.00	27.80	10.80	5.20	3.10	5.60	0.90		
23	13.20	56.50	25.00	126.40	199.05	122.00	25.00	10.60	5.20	3.00	5.60	1.40		
24	13.60	34.40	25.80	109.75	120.95	126.40	22.40	14.20	4.90	3.10	5.80	1.40		
25	11.80	26.80	36.80	93.30	119.20	160.35	20.20	25.40	4.90	2.70	6.40	0.90		
26	14.80	27.40	27.60	72.70	118.85	126.40	17.60	23.40	4.70	2.60	6.60	6.40		
27	10.60	28.20	24.00	75.10	115.35	110.45	19.20	22.80	4.60	2.80	6.00	3.00		
28	9.00	50.50	21.40	95.40	91.20	105.90	16.60	33.60	4.70	2.70	4.30	6.00		
29	9.00	90.15	22.80	130.80	93.65	151.35	20.00	26.20	4.70	2.20		9.20		
30	14.00	69.70	28.40	74.40	124.80	220.20	19.00	19.80	4.50	2.00		5.00		
31		50.80		67.30	106.60		18.60		4.50	1.90		8.40		
Total	258.80	1015.00	953.80	5072.85	5531.85	4213.90	2104.90	442.40	207.90	109.30	167.40	127.00	20205.10	CMSDAY
Mean	8.63	32.74	31.79	163.64	178.45	140.46	67.90	14.75	6.71	3.53	5.98	4.10	55.36	CMS
Max	14.80	90.15	69.40	289.00	409.05	283.00	287.00	33.60	16.20	5.40	9.60	9.20	409.05	CMS
Min	5.00	12.60	18.40	51.70	63.70	76.50	16.60	8.00	4.50	1.90	1.90	0.90	0.90	CMS
Runoff	22.36	87.70	82.41	438.29	477.95	364.08	181.86	38.22	17.96	9.44	14.46	10.97	1745.72	MCM
Momentary Peak	417.60 CMS, at 13.76 m. (MSL.), at 12.00 Hours, on Aug 9, 2022													
Runoff Yield	71.15	Liters/Second/Square KM.			Momentary Peak Yield		536.76	Liters/Second/Square KM.						

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Prasae at Ban Khao Chik , Rayong (Z.11)**

Lat 12 - 51 - 20 N Long 101 - 37 - 09 E

Location : on left bank near the Meteorological Station.

	Ban	Khao Chik	Amphoe	Klaeng	Changwat	Rayong
Drainge Area	1,236	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+2.630	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the Meteorological Station.				Elevation	+13.420 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1965 - 1974 , 1989 to date					
Rating Operation						
Period of Rating	1989 to date					
Rated by Float	-					
Rated by Current Meter	1989 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 8.87 m.(MSL.), records are channel flow only.					
General Description	Records good. Flow effectedn by the concrete weir about 7 kilometers downstream and 5 kilometers above gage site. Stage-discharge relation defined by 32 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.87	5.08	4.90	5.15	6.03	8.40	6.54	4.82	5.07	4.64	4.66	4.65	
2	4.85	4.96	4.95	5.12	7.74	6.96	6.32	4.80	4.96	4.64	4.67	4.64	
3	4.74	4.96	5.01	5.10	7.86	5.84	6.88	4.80	4.87	4.64	4.66	4.64	
4	4.71	5.02	4.98	5.09	7.24	5.74	7.33	4.77	4.87	4.64	4.67	4.65	
5	4.71	4.92	4.92	5.08	6.23	5.93	7.89	4.77	4.82	4.65	4.66	4.64	
6	4.70	4.88	4.90	5.06	5.63	6.61	7.15	4.77	4.79	4.63	4.69	4.65	
7	4.69	4.86	4.96	5.06	5.65	8.77	7.18	4.77	4.78	4.68	4.67	4.65	
8	4.70	4.87	4.92	5.06	5.66	9.16	8.27	4.78	4.78	4.69	4.65	4.65	
9	4.77	4.94	4.89	5.02	6.10	8.90	7.68	4.77	4.75	4.68	4.65	4.63	
10	4.81	5.15	4.87	5.21	6.21	8.23	7.14	4.76	4.77	4.67	4.65	4.62	
11	4.80	5.17	4.88	5.06	6.09	6.87	6.41	4.75	4.72	4.68	4.64	4.64	
12	4.80	5.15	4.89	5.07	6.92	6.14	6.42	4.74	4.71	4.87	4.63	4.63	
13	4.81	5.26	4.90	5.57	6.46	7.02	6.08	4.72	4.75	4.82	4.62	4.63	
14	4.82	5.32	5.05	5.44	6.19	7.84	5.83	4.71	4.72	4.75	4.62	4.65	
15	4.84	5.04	5.08	5.17	5.92	8.50	5.32	4.73	4.69	4.71	4.63	4.62	
16	4.82	5.06	5.66	5.45	6.38	8.33	5.20	4.78	4.68	4.70	4.64	4.62	
17	4.81	5.67	5.62	5.54	7.46	7.72	5.07	5.14	4.67	4.70	4.65	4.62	
18	4.81	5.79	5.35	5.35	6.61	7.74	5.04	5.03	4.67	4.69	4.65	4.62	
19	4.81	5.52	5.07	5.32	6.09	8.07	5.06	4.94	4.67	4.68	4.63	4.62	
20	4.85	5.33	5.03	5.32	5.94	7.83	4.98	4.88	4.68	4.69	4.62	4.61	
21	4.89	5.12	5.24	6.75	5.96	7.74	4.94	5.25	4.67	4.69	4.63	4.63	
22	4.91	5.00	5.64	8.29	6.02	7.70	5.04	5.04	4.67	4.67	4.65	4.63	
23	5.04	4.93	6.17	6.77	6.05	7.48	5.04	4.90	4.66	4.69	4.66	4.62	
24	5.06	4.92	5.67	5.77	6.23	7.17	5.13	4.85	4.67	4.69	4.65	4.61	
25	4.96	4.87	5.50	5.81	7.05	7.40	5.03	4.87	4.66	4.66	4.65	4.60	
26	4.90	4.86	5.53	5.62	7.47	7.64	4.94	4.87	4.66	4.65	4.65	4.59	
27	4.87	4.82	5.39	5.56	8.25	7.46	4.93	5.34	4.65	4.65	4.66	4.60	
28	4.84	4.80	5.43	5.40	8.00	7.23	4.93	5.48	4.65	4.64	4.65	4.64	
29	4.88	4.80	5.26	5.71	6.92	7.46	4.91	5.43	4.66	4.66		4.66	
30	5.32	4.83	5.17	5.34	6.94	7.83	4.93	5.62	4.65	4.65		4.64	
31		4.83		5.32	7.66		4.85		4.64	4.66		4.64	
Mean	4.85	5.06	5.19	5.50	6.61	7.52	5.89	4.93	4.73	4.68	4.65	4.63	
Max	5.32	5.79	6.17	8.29	8.25	9.16	8.27	5.62	5.07	4.87	4.69	4.66	9.16
Min	4.69	4.80	4.87	5.02	5.63	5.74	4.85	4.71	4.64	4.63	4.62	4.59	4.59
Annual Max Momentary Gage Height	9.47		m. (MSL.) ,			at 16.00 Hours, on Sep 7, 2022							
Zero Gage at Bottom Elevation	2.63		m. (MSL.) ,			River Bed 3.19	m. (MSL.)						
Left Bank Elevation	8.86		m. (MSL.) ,										
Right Bank Elevation	9.17		m. (MSL.) ,			Drainage Are 1,236	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	9.40	13.60	10.00	15.00	39.20	118.00	59.60	8.40	13.40	0.00	0.00	0.00		
2	9.00	11.20	11.00	14.40	88.80	76.40	50.80	8.00	11.20	0.00	0.00	0.00		
3	6.80	11.20	12.20	14.00	92.40	33.20	73.20	8.00	9.40	0.00	0.00	0.00		
4	6.20	12.40	11.60	13.80	83.40	30.20	84.30	7.40	9.40	0.00	0.00	0.00		
5	6.20	10.40	10.40	13.60	47.20	35.90	93.60	7.40	8.40	0.00	0.00	0.00		
6	6.00	9.60	10.00	13.20	26.90	62.40	82.50	7.40	0.00	0.00	0.00	0.00		
7	5.80	9.20	11.20	13.20	27.50	155.20	82.80	7.40	0.00	0.00	0.00	0.00		
8	6.00	9.40	10.40	13.20	27.80	243.60	110.20	7.60	0.00	0.00	0.00	0.00		
9	7.40	10.80	9.80	12.40	42.00	180.00	87.80	7.40	0.00	0.00	0.00	0.00		
10	8.20	15.00	9.40	16.20	46.40	107.80	82.40	7.20	0.00	0.00	0.00	0.00		
11	8.00	15.40	9.60	13.20	41.60	72.80	54.40	7.00	0.00	0.00	0.00	0.00		
12	8.00	15.00	9.80	13.40	74.80	43.60	54.80	6.80	0.00	0.00	0.00	0.00		
13	8.20	17.20	10.00	25.10	56.40	78.80	41.20	6.40	0.00	0.00	0.00	0.00		
14	8.40	18.40	13.00	21.20	45.60	91.60	32.90	6.20	0.00	0.00	0.00	0.00		
15	8.80	12.80	13.60	15.40	35.60	124.00	18.40	6.60	0.00	0.00	0.00	0.00		
16	8.40	13.20	27.80	21.50	53.20	113.80	16.00	7.60	0.00	0.00	0.00	0.00		
17	8.20	28.10	26.60	24.20	85.60	88.40	13.40	14.80	0.00	0.00	0.00	0.00		
18	8.20	31.70	19.00	19.00	62.40	88.80	12.80	12.60	0.00	0.00	0.00	0.00		
19	8.20	23.60	13.40	18.40	41.60	100.80	13.20	10.80	0.00	0.00	0.00	0.00		
20	9.00	18.60	12.60	18.40	36.20	91.20	11.60	9.60	0.00	0.00	0.00	0.00		
21	9.80	14.40	16.80	68.00	36.80	88.80	10.80	17.00	0.00	0.00	0.00	0.00		
22	10.20	12.00	27.20	111.40	38.80	88.00	12.80	12.80	0.00	0.00	0.00	0.00		
23	12.80	10.60	44.80	68.80	40.00	85.80	12.80	10.00	0.00	0.00	0.00	0.00		
24	13.20	10.40	28.10	31.10	47.20	82.70	14.60	9.00	0.00	0.00	0.00	0.00		
25	11.20	9.40	23.00	32.30	80.00	85.00	12.60	9.40	0.00	0.00	0.00	0.00		
26	10.00	9.20	23.90	26.60	85.70	87.40	10.80	9.40	0.00	0.00	0.00	0.00		
27	9.40	8.40	19.80	24.80	109.00	85.60	10.60	18.80	0.00	0.00	0.00	0.00		
28	8.80	8.00	20.90	20.00	98.00	83.30	10.60	22.40	0.00	0.00	0.00	0.00		
29	9.60	8.00	17.20	29.30	74.80	85.60	10.20	20.90	0.00	0.00	0.00	0.00		
30	18.40	8.60	15.40	18.80	75.60	91.20	10.60	26.60	0.00	0.00		0.00		
31	</													

WATER YEAR : 2022**EAST COAST - GULF BASIN****Chanthaburi River at Ban Puk , Chanthaburi (Z.13)**

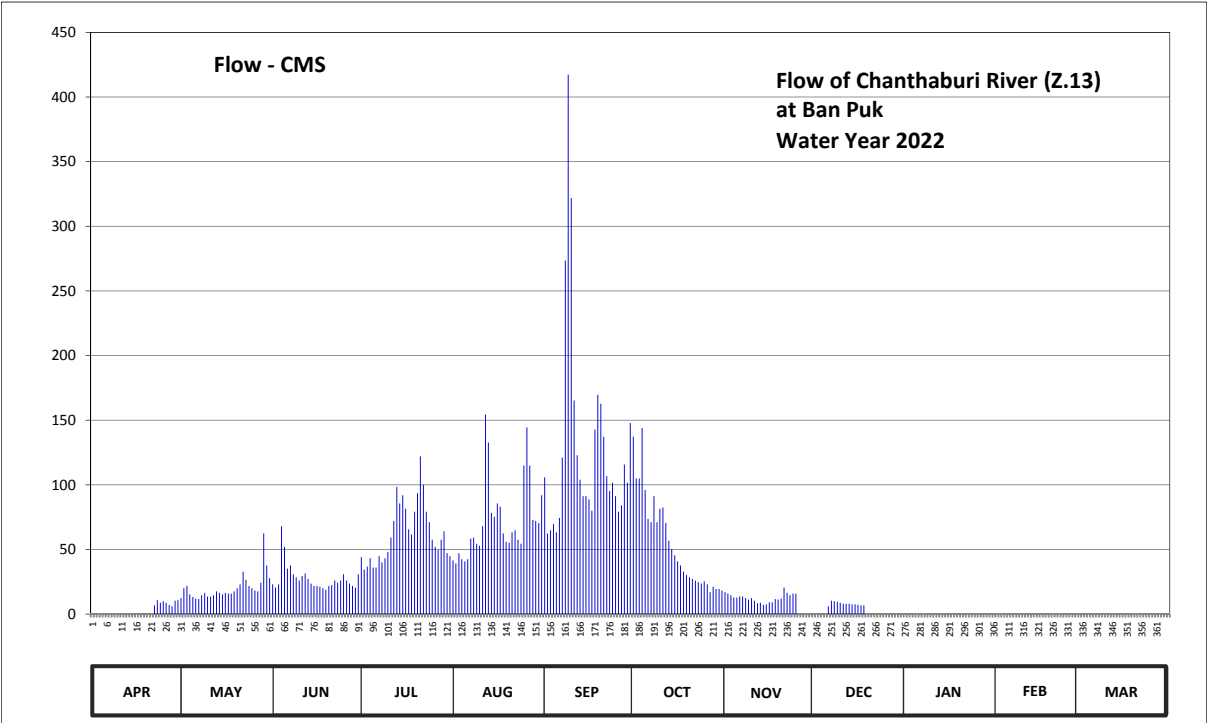
Lat 12 - 45 - 48 N Long 102 - 08 - 17 E

Location : on left bank at Ban Puk

	Ban Puk	Amphoe Makham	Changwat Chanthaburi
Drainage Area	648 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+6.300 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank near the gage site.	Elevation	+14.789 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1968 to date		
Rating Operation			
Period of Rating	1969 to date		
Rated by Float	-		
Rated by Current Meter	1969 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	Overbank flow starts at elevation + 12.470 m.(MSL.), records are channel flow only.		
General Description	Records very good. Stage-discharge relation defined by 30 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.65	8.76	8.95	9.25	9.22	10.02	10.37	8.85	6.71	8.54	8.52	8.54	
2	8.63	8.90	8.91	9.13	9.19	9.48	10.01	8.83	6.60	8.54	8.52	8.53	
3	8.61	8.93	8.95	9.16	9.29	9.51	10.01	8.81	6.51	8.54	8.52	8.52	
4	8.58	8.82	9.55	9.24	9.23	9.57	10.53	8.77	6.41	8.54	8.55	8.52	
5	8.54	8.78	9.35	9.15	9.21	9.49	9.90	8.77	6.57	8.54	8.55	8.51	
6	8.55	8.75	9.14	9.15	9.23	9.63	9.62	8.79	8.60	8.52	8.55	8.52	
7	8.54	8.74	9.17	9.26	9.43	10.19	9.59	8.79	8.71	8.52	8.55	8.51	
8	8.52	8.81	9.08	9.20	9.44	12.85	9.84	8.76	8.70	8.51	8.55	8.52	
9	8.53	8.84	9.04	9.24	9.38	14.11	9.59	8.73	8.69	8.51	8.55	8.52	
10	8.54	8.79	9.00	9.30	9.36	13.35	9.72	8.76	8.67	8.50	8.54	8.53	
11	8.53	8.79	9.06	9.44	9.55	11.13	9.73	8.71	8.65	8.51	8.53	8.54	
12	8.53	8.81	9.09	9.60	10.86	10.21	9.58	8.66	8.65	8.54	8.54	8.53	
13	8.53	8.86	9.02	9.93	10.32	10.00	9.41	8.67	8.65	8.62	8.52	8.54	
14	8.54	8.84	8.96	9.77	9.68	9.84	9.33	8.63	8.64	8.61	8.52	8.54	
15	8.53	8.82	8.93	9.85	9.64	9.84	9.27	8.64	8.64	8.60	8.53	8.53	
16	8.53	8.84	8.93	9.72	9.77	9.81	9.21	8.68	8.63	8.58	8.53	8.53	
17	8.50	8.83	8.92	9.52	9.74	9.70	9.17	8.68	8.62	8.55	8.54	8.53	
18	8.51	8.83	8.90	9.47	9.48	10.49	9.11	8.74	8.62	8.53	8.55	8.53	
19	8.52	8.86	8.88	9.69	9.40	11.24	9.07	8.73	8.59	8.52	8.54	8.52	
20	8.51	8.90	8.93	9.87	9.39	11.07	9.04	8.75	8.57	8.52	8.53	8.52	
21	8.54	8.95	8.94	10.20	9.49	10.37	9.02	8.91	8.57	8.51	8.53	8.52	
22	8.62	9.11	9.00	9.95	9.51	10.03	9.00	8.84	8.56	8.50	8.54	8.52	
23	8.72	9.01	8.97	9.69	9.42	9.89	8.98	8.81	8.55	8.51	8.52	8.53	
24	8.67	8.93	9.00	9.59	9.38	9.97	8.96	8.83	8.56	8.52	8.53	8.52	
25	8.70	8.90	9.08	9.42	10.12	9.84	8.99	8.83	8.58	8.51	8.54	8.53	
26	8.67	8.87	9.00	9.35	10.55	9.69	8.95	7.86	8.57	8.51	8.54	8.53	
27	8.63	8.86	8.96	9.32	10.12	9.75	8.85	6.93	8.55	8.52	8.53	8.53	
28	8.60	8.97	8.93	9.42	9.61	10.13	8.92	6.88	8.54	8.52	8.53	8.53	
29	8.71	9.48	8.91	9.50	9.60	9.97	8.89	6.84	8.54	8.52		8.55	
30	8.72	9.17	9.08	9.29	9.58	10.66	8.89	6.79	8.53	8.51		8.59	
31		9.03		9.26	9.85		8.87		8.54	8.52		8.58	
Mean	8.58	8.90	9.02	9.48	9.61	10.39	9.37	8.48	8.27	8.53	8.54	8.53	
Max	8.72	9.48	9.55	10.20	10.86	14.11	10.53	8.91	8.71	8.62	8.55	8.59	14.11
Min	8.50	8.74	8.88	9.13	9.19	9.48	8.85	6.79	6.41	8.50	8.52	8.51	6.41
Annual Max Momentary Gage Height	14.25		m. (MSL.) ,			at 12.00 Hours, on Sep 9, 2022							
Zero Gage at Bottom Elevation		6.30	m. (MSL.) ,			River Bed	5.46	m. (MSL.)					
Left Bank Elevation		12.46	m. (MSL.) ,										
Right Bank Elevation		14.68	m. (MSL.) ,			Drainage Are	648	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	12.40	23.00	44.00	41.60	105.80	137.30	17.00	0.00	0.00	0.00	0.00	
2	0.00	20.00	20.60	34.40	39.20	62.40	104.90	15.80	0.00	0.00	0.00	0.00	
3	0.00	21.80	23.00	36.80	47.20	64.80	104.90	14.60	0.00	0.00	0.00	0.00	
4	0.00	15.20	68.00	43.20	42.40	69.60	143.90	12.80	0.00	0.00	0.00	0.00	
5	0.00	13.20	52.00	36.00	40.80	63.20	96.00	12.80	0.00	0.00	0.00	0.00	
6	0.00	12.00	35.20	36.00	42.40	74.40	73.60	13.60	6.00	0.00	0.00	0.00	
7	0.00	11.60	37.60	44.80	58.40	121.10	71.20	13.60	10.40	0.00	0.00	0.00	
8	0.00	14.60	30.80	40.00	59.20	273.50	91.20	12.40	10.00	0.00	0.00	0.00	
9	0.00	16.40	28.40	43.20	54.40	417.40	71.20	11.20	9.60	0.00	0.00	0.00	
10	0.00	13.60	26.00	48.00	52.80	322.00	81.60	12.40	8.80	0.00	0.00	0.00	
11	0.00	13.60	29.60	59.20	68.00	165.20	82.40	10.40	8.00	0.00	0.00	0.00	
12	0.00	14.60	31.40	72.00	154.40	122.90	70.40	8.40	8.00	0.00	0.00	0.00	
13	0.00	17.60	27.20	98.40	132.80	104.00	56.80	8.80	8.00	0.00	0.00	0.00	
14	0.00	16.40	23.60	85.60	78.40	91.20	50.40	7.20	7.60	0.00	0.00	0.00	
15	0.00	15.20	21.80	92.00	75.20	91.20	45.60	7.60	7.60	0.00	0.00	0.00	
16	0.00	16.40	21.80	81.60	85.60	88.80	40.80	9.20	7.20	0.00	0.00	0.00	
17	0.00	15.80	21.20	65.60	83.20	80.00	37.60	9.20	6.80	0.00	0.00	0.00	
18	0.00	15.80	20.00	61.60	62.40	142.70	32.80	11.60	6.80	0.00	0.00	0.00	
19	0.00	17.60	18.80	79.20	56.00	169.60	30.20	11.20	0.00	0.00	0.00	0.00	
20	0.00	20.00	21.80	93.60	55.20	162.80	28.40	12.00	0.00	0.00	0.00	0.00	
21	0.00	23.00	22.40	122.00	63.20	137.30	27.20	20.60	0.00	0.00	0.00	0.00	
22	6.80	32.80	26.00	100.00	64.80	106.70	26.00	16.40	0.00	0.00	0.00	0.00	
23	10.80	26.60	24.20	79.20	57.60	95.20	24.80	14.60	0.00	0.00	0.00	0.00	
24	8.80	21.80	26.00	71.20	54.40	101.60	23.60	15.80	0.00	0.00	0.00	0.00	
25	10.00	20.00	30.80	57.60	114.80	91.20	25.40	15.80	0.00	0.00	0.00	0.00	
26	8.80	18.20	26.00	52.00	144.50	79.20	23.00	0.00	0.00	0.00	0.00	0.00	
27	7.20	17.60	23.60	49.60	114.80	84.00	17.00	0.00	0.00	0.00	0.00	0.00	
28	6.00	24.20	21.80	57.60	72.80	115.70	21.20	0.00	0.00	0.00	0.00	0.00	
29	10.40	62.40	20.60	64.00	72.00	101.60	19.40	0.00	0.00	0.00	0.00	0.00	
30	10.80	37.60	30.80	47.20	70.40	147.80	19.40	0.00	0.00	0.00	0.00	0.00	
31		27.80		44.80	92.00		18.20		0.00	0.00		0.00	
Total	79.60	625.80	834.00	1940.40	2250.90	3852.90	1696.40	315.00	104.80	0.00	0.00	0.00	11699.80
Mean	2.65	20.19	27.80	62.59	72.61	128.43	54.72	10.50	3.38	0.00	0.00	0.00	32.05
Max	10.80	62.40	68.00	122.00	154.40	417.40	143.90	20.60	10.40	0.00	0.00	0.00	417.40
Min	0.00	11.60	18.80	34.40	39.20	62.40	17.00	0.00	0.00	0.00	0.00	0.00	0.00
Runoff	6.88	54.07	72.06	167.65	194.48	332.89	146.57	27.22	9.05	0.00	0.00	0.00	1010.86
Momentary Peak	CMS, at 14.25 m. (MSL.), at 12.00 Hours, on Sep 9, 2022												
Runoff Yield	49.47	Liters/Second/Square KM.				Momentary Peak Yield		674.38	Liters/Second/Square KM.				

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Phayat at Ban Chaman , Chanthaburi (Z.14)**

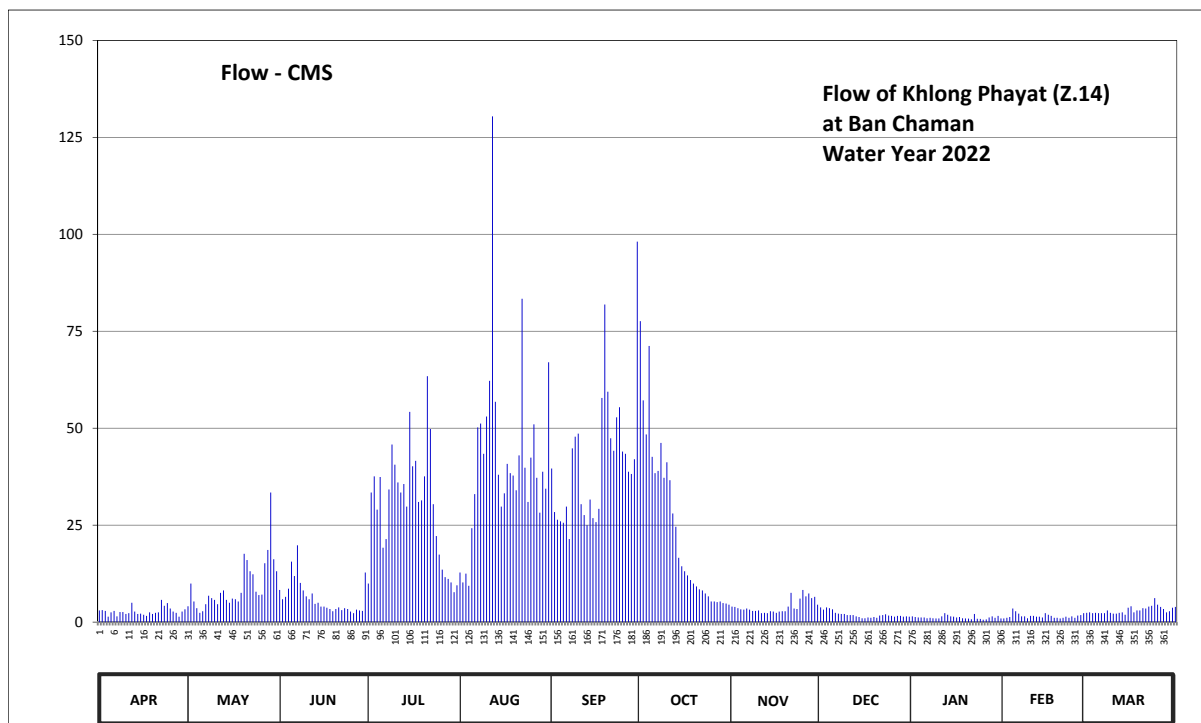
Lat 12 - 44 - 40 N Long 102 - 12 - 23 E

Location : on left bank at the bridge of Khlong Prayat near Wat Chaman.

	Ban	Chaman	Amphoe	Makham	Changwat	Chanthaburi
Drainage Area	221	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+5.400	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 30 meters from the top staff gage.				Elevation	+13.690 m. (MSL.)
Gage Reading Frequency	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	1986 to date					
Rated by Float	-					
Rated by Current Meter	1986 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 11.020 m.(MSL.), records are channel flow only.					
General Description	Records very good. Stage-discharge relation defined by 33 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.60	6.71	7.02	7.13	7.32	8.68	10.58	6.70	6.68	6.45	6.37	6.54	
2	6.61	7.13	6.86	8.37	7.15	8.12	9.56	6.69	6.62	6.43	6.41	6.55	
3	6.59	6.82	6.90	8.58	7.30	8.02	9.12	6.66	6.68	6.42	6.43	6.53	
4	6.44	6.66	7.04	8.15	7.09	8.00	10.26	6.63	6.66	6.42	6.65	6.54	
5	6.55	6.54	7.48	8.57	7.91	7.98	8.83	6.62	6.63	6.42	6.58	6.53	
6	6.59	6.58	7.26	7.66	8.35	8.19	8.62	6.65	6.54	6.40	6.52	6.53	
7	6.45	6.76	7.69	7.77	9.21	7.77	8.65	6.62	6.52	6.41	6.45	6.53	
8	6.56	6.92	7.14	8.41	9.26	8.94	9.01	6.59	6.51	6.40	6.45	6.60	
9	6.56	6.88	7.01	8.99	8.87	9.09	8.56	6.59	6.51	6.37	6.40	6.54	
10	6.51	6.85	6.91	8.73	9.35	9.13	8.76	6.60	6.48	6.37	6.46	6.52	
11	6.53	6.76	6.86	8.50	9.81	8.22	8.53	6.53	6.48	6.45	6.46	6.52	
12	6.80	6.97	6.96	8.37	12.11	8.08	8.10	6.54	6.48	6.53	6.44	6.54	
13	6.57	7.01	6.77	8.48	9.54	7.95	7.93	6.53	6.45	6.49	6.44	6.55	
14	6.51	6.85	6.80	8.19	8.60	8.28	7.53	6.58	6.43	6.45	6.42	6.49	
15	6.52	6.80	6.70	9.41	8.19	8.04	7.42	6.57	6.40	6.44	6.53	6.67	
16	6.49	6.87	6.70	8.71	8.36	7.99	7.34	6.54	6.40	6.42	6.49	6.71	
17	6.46	6.86	6.67	8.78	8.74	8.16	7.27	6.57	6.42	6.43	6.46	6.55	
18	6.55	6.82	6.64	8.25	8.62	9.59	7.19	6.58	6.41	6.39	6.41	6.60	
19	6.51	6.97	6.58	8.27	8.59	10.73	7.13	6.58	6.43	6.37	6.41	6.60	
20	6.54	7.58	6.64	8.58	8.40	9.67	7.08	6.70	6.41	6.36	6.37	6.66	
21	6.55	7.50	6.68	9.87	8.85	9.07	7.03	6.97	6.47	6.30	6.41	6.65	
22	6.85	7.34	6.61	9.19	10.78	8.91	7.01	6.65	6.48	6.51	6.44	6.70	
23	6.72	7.29	6.66	8.22	8.69	9.34	6.96	6.64	6.50	6.35	6.41	6.72	
24	6.79	6.99	6.64	7.81	8.25	9.47	6.91	6.87	6.47	6.33	6.45	6.88	
25	6.65	6.93	6.57	7.57	8.82	8.90	6.82	7.02	6.46	6.24	6.41	6.75	
26	6.57	6.94	6.53	7.37	9.25	8.87	6.82	6.91	6.44	6.27	6.47	6.69	
27	6.54	7.46	6.62	7.24	8.56	8.64	6.81	6.96	6.46	6.42	6.48	6.64	
28	6.44	7.63	6.60	7.21	8.11	8.61	6.82	6.88	6.46	6.45	6.53	6.55	
29	6.57	8.37	6.59	7.15	8.64	8.80	6.79	6.90	6.44	6.41		6.58	
30	6.63	7.51	7.32	6.98	8.42	11.27	6.78	6.75	6.45	6.46		6.67	
31		7.34		7.10	10.05		6.75		6.44	6.37		6.69	
Mean	6.57	7.05	6.85	8.18	8.75	8.75	7.84	6.69	6.49	6.40	6.46	6.61	
Max	6.85	8.37	7.69	9.87	12.11	11.27	10.58	7.02	6.68	6.53	6.65	6.88	12.11
Min	6.44	6.54	6.53	6.98	7.09	7.77	6.75	6.53	6.40	6.24	6.37	6.49	6.24
Annual Max Momentary Gage Height	13.39		m. (MSL.) ,			at 06.00 Hours, on Aug 12, 2022							
Zero Gage at Bottom Elevation		5.40	m. (MSL.) ,			River Bed	5.26	m. (MSL.)					
Left Bank Elevation		11.02	m. (MSL.) ,										
Right Bank Elevation		11.17	m. (MSL.) ,			Drainage Are	221	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.00	4.10	8.30	9.95	12.80	39.60	77.60	4.00	3.80	1.50	0.93	2.40		
2	3.10	9.95	5.90	33.40	10.25	28.40	57.20	3.90	3.20	1.30	1.10	2.50		
3	2.90	5.30	6.50	37.60	12.50	26.40	48.40	3.60	3.80	1.20	1.30	2.30		
4	1.40	3.60	8.60	29.00	9.35	26.00	71.20	3.30	3.60	1.20	3.50	2.40		
5	2.50	2.40	15.60	37.40	24.20	25.60	42.60	3.20	3.30	1.20	2.80	2.30		
6	2.90	2.80	11.90	19.20	33.00	29.80	38.40	3.50	2.40	1.00	2.20	2.30		
7	1.50	4.60	19.80	21.40	50.20	21.40	39.00	3.20	2.20	1.10	1.50	2.30		
8	2.60	6.80	10.10	34.20	51.20	44.80	46.20	2.90	2.10	1.00	1.50	3.00		
9	2.60	6.20	8.15	45.80	43.40	47.80	37.20	2.90	2.10	0.93	1.00	2.40		
10	2.10	5.75	6.65	40.60	53.00	48.60	41.20	3.00	1.80	0.93	1.60	2.20		
11	2.30	4.60	5.90	36.00	62.20	30.40	36.60	2.30	1.80	1.50	1.60	2.20		
12	5.00	7.55	7.40	33.40	130.40	27.60	28.00	2.40	1.80	2.30	1.40	2.40		
13	2.70	8.15	4.70	35.60	56.80	25.00	24.60	2.30	1.50	1.90	1.40	2.50		
14	2.10	5.75	5.00	29.80	38.00	31.60	16.60	2.80	1.30	1.50	1.20	1.90		
15	2.20	5.00	4.00	54.20	29.80	26.80	14.40	2.70	1.00	1.40	2.30	3.70		
16	1.90	6.05	4.00	40.20	33.20	25.80	13.10	2.40	1.00	1.20	1.90	4.10		
17	1.60	5.90	3.70	41.60	40.80	29.20	12.05	2.70	1.20	1.30	1.60	2.50		
18	2.50	5.30	3.40	31.00	38.40	57.80	10.85	2.80	1.10	0.98	1.10	3.00		
19	2.10	7.55	2.80	31.40	37.80	81.90	9.95	2.80	1.30	0.93	1.10	3.00		
20	2.40	17.60	3.40	37.60	34.00	59.40	9.20	4.00	1.10	0.90	0.93	3.60		
21	2.50	16.00	3.80	63.40	43.00	47.40	8.45	7.55	1.70	0.75	1.10	3.50		
22	5.75	13.10	3.10	49.80	83.40	44.20	8.15	3.50	1.80	2.10	1.40	4.00		
23	4.20	12.35	3.60	30.40	39.80	52.80	7.40	3.40	2.00	0.88	1.10	4.20		
24	4.90	7.85	3.40	22.20	31.00	55.40	6.65	6.05	1.70	0.83	1.50	6.20		
25	3.50	6.95	2.70	17.40	42.40	44.00	5.30	8.30	1.60	0.60	1.10	4.50		
26	2.70	7.10	2.30	13.55	51.00	43.40	5.30	6.65	1.40	0.68	1.70	3.90		
27	2.40	15.20	3.20	11.60	37.20	38.80	5.15	7.40	1.60	1.20	1.80	3.40		
28	1.40	18.60	3.00	11.15	28.20	38.20	5.30	6.20	1.60	1.50	2.30	2.50		
29	2.70	33.40	2.90	10.25	38.80	42.00	4.90	6.50	1.40	1.10		2.80		
30	3.30	16.20	12.80	7.70	34.40	98.10	4.80	4.50	1.50	1.60		3.70		
31		13.10		9.50	67.00		4.50		1.40	0.93		3.90		
Total	82.75	284.80	186.60	926.30	1297.50	1238.20	740.25	120.75	59.10	37.44	43.96	95.60	5113.25	CMSDAY
Mean	2.76	9.19	6.22	29.88	41.85	41.27	23.88	4.03	1.91	1.21	1.57	3.08	14.01	CMS
Max	5.75	33.40	19.80	63.40	130.40	98.10	77.60	8.30	3.80	2.30	3.50	6.20	130.40	CMS
Min	1.40	2.40	2.30	7.70	9.35	21.40	4.50	2.30	1.00	0.60	0.93	1.90	0.60	CMS
Runoff	7.15	24.61	16.12	80.03	112.10	106.98	63.96	10.43	5.11	3.23	3.80	8.26	441.78	MCM
Momentary Peak	189.50 CMS, at 13.39 m. (MSL.), at 06.00 Hours, on Aug 12, 2022													
Runoff Yield	63.39 Liters/Second/Square KM.				Momentary Peak Yield 857.47 Liters/Second/Square KM.									

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Phlo at Ban Chamkho , Rayong (Z.18)**

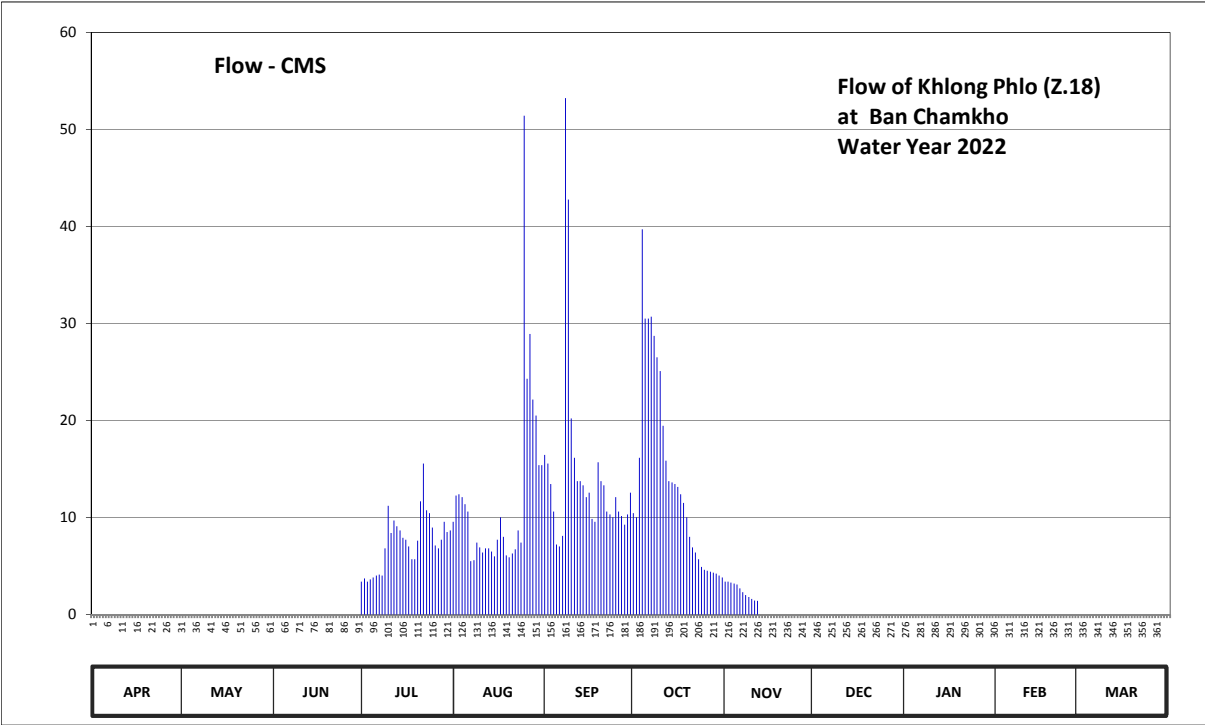
Lat 12 - 56 - 54 N Long 101 - 40 - 41 E

Location : on right bank at the bridge on road.

	Ban	Chamkho	Amphoe	Khao Chamao	Changwat	Rayong
Drainage Area	205	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+28.146	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the top staff gage.				Elevation	+35.314 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	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	Overbank flow starts at elevation + 32.050 m.(MSL.), records are channel flow only.					
General Description	Records very good. Flow regulated by the concrete weir about 1.5 kilometers downstream from the gage site. Stage-discharge relation defined by 12 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	29.60	29.50	29.61	29.29	29.87	30.33	29.93	29.29	29.47	31.11	30.88	30.44	
2	29.58	29.50	29.59	29.32	30.05	30.27	29.90	29.29	29.41	31.11	30.87	30.44	
3	29.55	29.49	29.57	29.29	30.06	30.13	30.31	29.28	29.36	31.10	30.85	30.43	
4	29.54	29.49	29.54	29.31	30.04	29.94	31.61	29.27	29.31	31.10	30.85	30.43	
5	29.51	29.49	29.52	29.33	29.99	29.67	31.15	29.26	29.42	31.09	30.84	30.42	
6	29.49	29.48	29.50	29.35	29.94	29.65	31.15	29.22	30.76	31.09	30.83	30.42	
7	29.47	29.48	29.50	29.36	29.50	29.76	31.16	29.18	30.84	31.09	30.81	30.42	
8	29.45	29.48	29.49	29.35	29.51	32.14	31.06	29.15	30.94	31.08	30.79	30.41	
9	29.43	29.48	29.48	29.63	29.69	31.75	30.95	29.13	30.98	31.07	30.76	30.41	
10	29.41	29.48	29.48	29.98	29.64	30.58	30.88	29.11	31.14	31.07	30.73	30.40	
11	29.40	29.49	29.48	29.79	29.59	30.31	30.53	29.09	31.17	31.07	30.70	30.39	
12	29.38	29.52	29.48	29.88	29.63	30.15	30.29	29.08	31.17	31.07	30.68	30.39	
13	29.38	29.54	29.50	29.84	29.63	30.15	30.15	29.25	31.17	31.06	30.66	30.38	
14	29.36	29.52	29.47	29.81	29.60	30.12	30.14	30.04	31.17	31.06	30.63	30.37	
15	29.34	29.53	29.48	29.74	29.55	30.04	30.13	30.55	31.16	31.05	30.62	30.35	
16	29.33	29.56	29.51	29.72	29.72	30.07	30.11	30.77	31.16	31.04	30.61	30.32	
17	29.31	29.64	29.57	29.65	29.90	29.89	30.06	30.92	31.15	31.04	30.58	30.31	
18	29.31	29.63	29.77	29.52	29.75	29.87	30.00	31.15	31.15	31.03	30.55	30.28	
19	29.31	29.61	29.69	29.52	29.56	30.28	29.90	31.15	31.14	31.03	30.53	30.26	
20	29.30	29.58	29.59	29.71	29.54	30.15	29.75	31.15	31.14	31.02	30.50	30.23	
21	29.29	29.54	29.66	30.01	29.58	30.12	29.64	29.36	31.14	31.02	30.48	30.20	
22	29.28	29.53	29.58	30.27	29.62	29.94	29.59	29.35	31.14	31.01	30.47	30.17	
23	29.27	29.55	29.54	29.95	29.81	29.92	29.52	29.35	31.13	31.00	30.47	30.14	
24	29.27	29.55	29.54	29.93	29.69	29.90	29.44	29.35	31.13	30.99	30.46	30.11	
25	29.34	29.55	29.52	29.83	32.08	30.04	29.41	29.40	31.13	30.98	30.46	30.08	
26	29.49	29.55	29.50	29.66	30.84	29.94	29.40	29.45	31.13	30.97	30.45	30.05	
27	29.48	29.57	29.41	29.63	31.07	29.91	29.39	29.47	31.12	30.96	30.45	30.02	
28	29.48	29.69	29.26	29.72	30.71	29.85	29.38	29.55	31.12	30.95	30.45	29.99	
29	29.50	29.63	29.25	29.87	30.60	29.92	29.37	29.52	31.12	30.93		29.97	
30	29.50	29.60	29.25	29.80	30.26	30.07	29.35	29.49	31.12	30.92		30.00	
31		29.61		29.81	30.26		29.33		31.11	30.90		30.00	
Mean	29.41	29.54	29.51	29.67	29.98	30.16	30.10	29.65	30.83	31.03	30.64	30.27	
Max	29.60	29.69	29.77	30.27	32.08	32.14	31.61	31.15	31.17	31.11	30.88	30.44	32.14
Min	29.27	29.48	29.25	29.29	29.50	29.65	29.33	29.08	29.31	30.90	30.45	29.97	29.08
Annual Max Momentary Gage Height	32.20			m. (MSL.) ,		at 12.00 Hours, on Sep 8, 2022							
Zero Gage at Bottom Elevation	28.15			m. (MSL.) ,		River Bed	26.14		m. (MSL.)				
Left Bank Elevation		32.05		m. (MSL.) ,									
Right Bank Elevation		32.29		m. (MSL.) ,		Drainage Are	205		Square Kilometers				

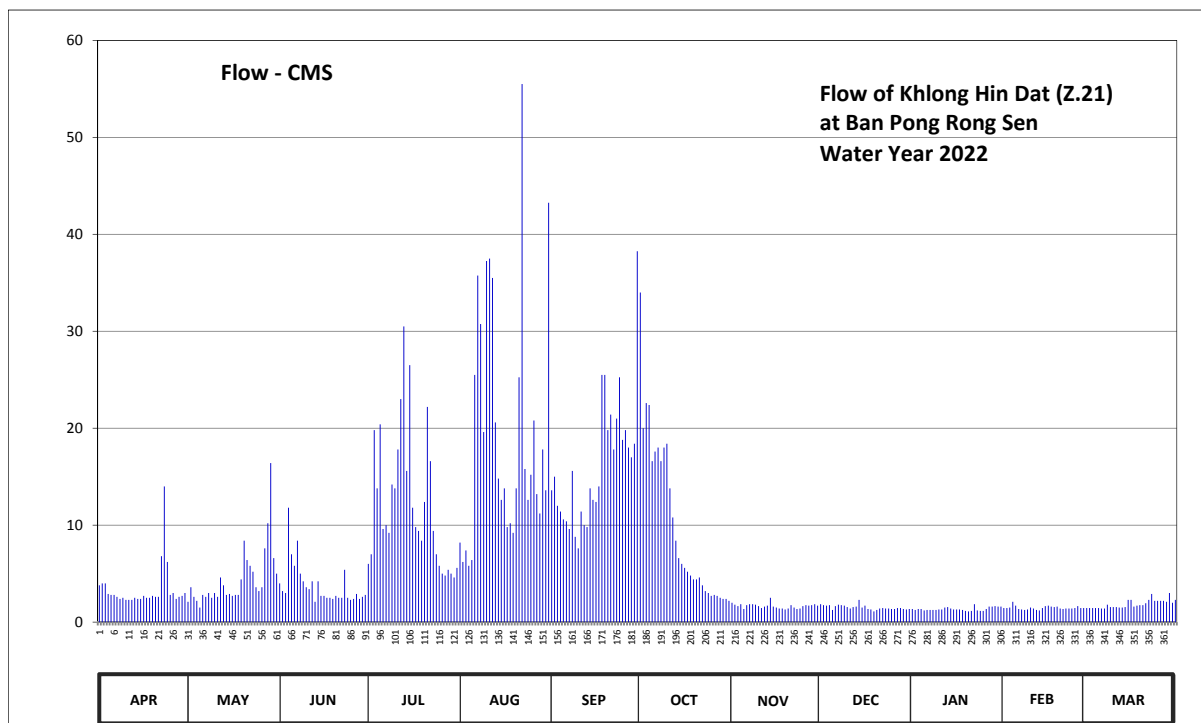


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	3.40	9.55	16.45	10.45	3.40	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	3.70	12.25	15.55	10.00	3.40	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	3.40	12.40	13.45	16.15	3.30	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	3.60	12.10	10.60	39.70	3.20	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	3.80	11.35	7.20	30.50	3.10	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	4.00	10.60	7.00	30.50	2.70	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	4.10	5.50	8.10	30.70	2.30	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	4.00	5.60	53.20	28.70	2.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	6.80	7.40	42.75	26.50	1.80	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	11.20	6.90	20.20	25.10	1.60	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	8.40	6.40	16.15	19.45	1.45	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	9.70	6.80	13.75	15.85	1.40	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	9.10	6.80	13.75	13.75	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	8.65	6.50	13.30	13.60	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	7.90	6.00	12.10	13.45	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	7.70	7.70	12.55	13.15	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	7.00	10.00	9.85	12.40	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	5.70	8.00	9.55	11.50	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	5.70	6.10	15.70	10.00	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	7.60	5.90	13.75	8.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	11.65	6.30	13.30	6.90	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	15.55	6.70	10.60	6.40	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	10.75	8.65	10.30	5.70	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	10.45	7.40	10.00	4.90	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	8.95	51.40	12.10	4.60	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	7.10	24.30	10.60	4.50	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	6.80	28.90	10.15	4.40	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	7.70	22.15	9.25	4.30	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	9.55	20.50	10.30	4.20	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	8.50	15.40	12.55	4.00	0.00	0.00	0.00	0.00	0.00	
31		0.00		8.65	15.40		3.80		0.00	0.00		0.00	
Total	0.00	0.00	0.00	231.10	370.95	434.10	433.15	29.65	0.00	0.00	0.00	0.00	1498.95 CMSDAY
Mean	0.00	0.00	0.00	7.45	11.97	14.47	13.97	0.99	0.00	0.00	0.00	0.00	4.11 CMS
Max	0.00	0.00	0.00	15.55	51.40	53.20	39.70	3.40	0.00	0.00	0.00	0.00	53.20 CMS
Min	0.00	0.00	0.00	3.40	5.50	7.00	3.80	0.00	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	0.00	0.00	19.97	32.05	37.51	37.42	2.56	0.00	0.00	0.00	0.00	129.51 MCM
Momentary Peak	55.00 CMS, at 32.20 m. (MSL.), at 12.00 Hours, on Sep 8, 2022												
Runoff Yield	20.03	Liters/Second/Square KM.			Momentary Peak Yield			268.29	Liters/Second/Square KM.				

Lat 12 - 47 - 31 N Long 102 - 15 - 17 E

	Ban	Pong Rong Sen	Amphoe	Makham	Changwat	Chanthaburi
Drainage Area	72	sq.km.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+21.200	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 40 meters from the top staff gage.				Elevation	+29.932 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	1983 to date					
Rating Operation						
Period of Rating	1984	to date				
Rated by Float	-					
Rated by Current Meter	1984	to date				
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 31 discharge measurements made in 2022.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	22.14	22.01	22.15	22.25	22.36	22.63	23.54	22.00	21.97	21.87	21.89	21.89	
2	22.15	22.13	22.11	22.30	22.26	22.70	22.95	21.96	21.95	21.85	21.89	21.89	
3	22.15	22.06	22.10	22.94	22.32	22.55	23.08	21.93	21.94	21.87	21.90	21.89	
4	22.09	22.02	22.54	22.64	22.24	22.52	23.07	21.97	21.95	21.87	22.01	21.89	
5	22.08	21.90	22.30	22.97	22.27	22.48	22.78	21.87	21.85	21.84	21.94	21.89	
6	22.08	22.08	22.24	22.43	23.20	22.47	22.83	21.95	21.93	21.85	21.87	21.88	
7	22.06	22.06	22.37	22.45	23.61	22.43	22.85	21.97	21.96	21.85	21.86	21.88	
8	22.04	22.10	22.20	22.41	23.41	22.73	22.78	21.97	21.95	21.85	21.85	21.96	
9	22.05	22.05	22.16	22.66	22.93	22.39	22.85	21.96	21.94	21.85	21.86	21.91	
10	22.03	22.10	22.13	22.64	23.67	22.33	22.87	21.93	21.91	21.86	21.90	21.91	
11	22.03	22.06	22.12	22.84	23.68	22.52	22.64	21.89	21.88	21.86	21.88	21.91	
12	22.03	22.18	22.16	23.10	23.60	22.45	22.49	21.92	21.91	21.90	21.85	21.90	
13	22.05	22.14	22.01	23.40	22.98	22.44	22.37	21.94	21.92	21.91	21.84	21.90	
14	22.04	22.08	22.16	22.73	22.69	22.64	22.28	22.05	22.03	21.88	21.89	21.91	
15	22.04	22.09	22.07	23.24	22.58	22.58	22.25	21.92	21.90	21.86	21.93	22.03	
16	22.07	22.07	22.07	22.54	22.64	22.57	22.23	21.90	21.94	21.86	21.94	22.03	
17	22.05	22.08	22.05	22.44	22.44	22.65	22.21	21.88	21.87	21.86	21.92	21.92	
18	22.05	22.08	22.05	22.42	22.46	23.20	22.19	21.88	21.86	21.85	21.91	21.94	
19	22.07	22.17	22.04	22.37	22.41	23.20	22.17	21.86	21.82	21.83	21.92	21.95	
20	22.06	22.37	22.07	22.57	22.64	22.94	22.17	21.88	21.85	21.82	21.88	21.95	
21	22.06	22.27	22.05	23.06	23.19	23.02	22.18	21.95	21.88	21.83	21.87	21.99	
22	22.29	22.24	22.05	22.78	24.40	22.84	22.14	21.90	21.89	21.97	21.88	22.03	
23	22.65	22.21	22.22	22.42	22.74	23.00	22.11	21.87	21.88	21.84	21.88	22.09	
24	22.26	22.13	22.05	22.30	22.58	23.19	22.10	21.88	21.88	21.83	21.88	22.02	
25	22.08	22.11	22.03	22.24	22.71	22.89	22.07	21.93	21.87	21.83	21.89	22.02	
26	22.10	22.13	22.04	22.20	22.99	22.94	22.08	21.95	21.87	21.87	21.93	22.02	
27	22.04	22.33	22.09	22.19	22.61	22.85	22.07	21.94	21.89	21.92	21.89	22.02	
28	22.06	22.46	22.04	22.22	22.51	22.80	22.05	21.95	21.89	21.92	21.89	22.01	
29	22.07	22.77	22.06	22.20	22.84	22.87	22.04	21.97	21.87	21.93		22.10	
30	22.10	22.28	22.08	22.18	22.63	23.71	22.04	21.94	21.86	21.92</			



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.80	2.10	4.00	6.00	8.20	13.60	34.00	2.00	1.85	1.35	1.45	1.45		
2	4.00	3.60	3.20	7.00	6.20	15.00	20.00	1.80	1.75	1.25	1.45	1.45		
3	4.00	2.60	3.00	19.80	7.40	12.00	22.60	1.65	1.70	1.35	1.50	1.45		
4	2.90	2.20	11.80	13.80	5.80	11.40	22.40	1.85	1.75	1.35	2.10	1.45		
5	2.80	1.50	7.00	20.40	6.40	10.60	16.60	1.35	1.25	1.20	1.70	1.45		
6	2.80	2.80	5.80	9.60	25.50	10.40	17.60	1.75	1.65	1.25	1.35	1.40		
7	2.60	2.60	8.40	10.00	35.75	9.60	18.00	1.85	1.80	1.25	1.30	1.40		
8	2.40	3.00	5.00	9.20	30.75	15.60	16.60	1.85	1.75	1.25	1.25	1.80		
9	2.50	2.50	4.20	14.20	19.60	8.80	18.00	1.80	1.70	1.25	1.30	1.55		
10	2.30	3.00	3.60	13.80	37.25	7.60	18.40	1.65	1.55	1.30	1.50	1.55		
11	2.30	2.60	3.40	17.80	37.50	11.40	13.80	1.45	1.40	1.30	1.40	1.55		
12	2.30	4.60	4.20	23.00	35.50	10.00	10.80	1.60	1.55	1.50	1.25	1.50		
13	2.50	3.80	2.10	30.50	20.60	9.80	8.40	1.70	1.60	1.55	1.20	1.50		
14	2.40	2.80	4.20	15.60	14.80	13.80	6.60	2.50	2.30	1.40	1.45	1.55		
15	2.40	2.90	2.70	26.50	12.60	12.60	6.00	1.60	1.50	1.30	1.65	2.30		
16	2.70	2.70	2.70	11.80	13.80	12.40	5.60	1.50	1.70	1.30	1.70	2.30		
17	2.50	2.80	2.50	9.80	9.80	14.00	5.20	1.40	1.35	1.30	1.60	1.60		
18	2.50	2.80	2.50	9.40	10.20	25.50	4.80	1.40	1.30	1.25	1.55	1.70		
19	2.70	4.40	2.40	8.40	9.20	25.50	4.40	1.30	1.10	1.15	1.60	1.75		
20	2.60	8.40	2.70	12.40	13.80	19.80	4.40	1.40	1.25	1.10	1.40	1.75		
21	2.60	6.40	2.50	22.20	25.25	21.40	4.60	1.75	1.40	1.15	1.35	1.95		
22	6.80	5.80	2.50	16.60	55.50	17.80	3.80	1.50	1.45	1.85	1.40	2.30		
23	14.00	5.20	5.40	9.40	15.80	21.00	3.20	1.35	1.40	1.20	1.40	2.90		
24	6.20	3.60	2.50	7.00	12.60	25.25	3.00	1.40	1.40	1.15	1.40	2.20		
25	2.80	3.20	2.30	5.80	15.20	18.80	2.70	1.65	1.35	1.15	1.45	2.20		
26	3.00	3.60	2.40	5.00	20.80	19.80	2.80	1.75	1.35	1.35	1.65	2.20		
27	2.40	7.60	2.90	4.80	13.20	18.00	2.70	1.70	1.45	1.60	1.45	2.20		
28	2.60	10.20	2.40	5.40	11.20	17.00	2.50	1.75	1.45	1.60	1.45	2.10		
29	2.70	16.40	2.60	5.00	17.80	18.40	2.40	1.85	1.35	1.65		3.00		
30	3.00	6.60	2.80	4.60	13.60	38.25	2.40	1.70	1.30	1.60		2.00		
31		5.00		5.60	43.25		2.20		1.35	1.60		2.30		
Total	101.10	137.30	113.70	380.40	604.85	485.10	306.50	49.80	47.05	41.85	41.25	57.80	2366.70	CMSDAY
Mean	3.37	4.43	3.79	12.27	19.51	16.17	9.89	1.66	1.52	1.35	1.47	1.86	6.48	CMS
Max	14.00	16.40	11.80	30.50	55.50	38.25	34.00	2.50	2.30	1.85	2.10	3.00	55.50	CMS
Min	2.30	1.50	2.10	4.60	5.80	7.60	2.20	1.30	1.10	1.10	1.20	1.40	1.10	CMS
Runoff	8.74	11.86	9.82	32.87	52.26	41.91	26.48	4.30	4.07	3.62	3.56	4.99	204.48	MCM
Momentary Peak	129.50 CMS, at 26.95 m. (MSL.), at 16.00 Hours, on Aug 10, 2022													
Runoff Yield	89.89	Liters/Second/Square KM.			Momentary Peak Yield			1795.37	Liters/Second/Square KM.					

WATER YEAR : 2022
EAST COAST - GULF BASIN

Upper Khlong Tanot at Ban Khun Song , Chanthaburi (Z.28)

Lat 13 - 04 - 38 N Long 101 - 56 - 44 E

Location : on right bank near Wat Khun Song.

	Ban	Khun Song	Amphoe	Kaeng Hang Mao	Changwat	Chanthaburi
Drainge Area	281	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+32.600	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 10 meters from the top staff gage.				Elevation	+40.318 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1986 to date					
Rating Operation						
Period of Rating	1986 to date					
Rated by Float	-					
Rated by Current Meter	1986 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 39.140 m.(MSL.) and is including overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 23 discharge measurements made in 2022.					
Remark	No Flow during 1 Feb. - 31 Mar.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	33.79	33.83	33.96	33.63	34.24	34.51	35.53	33.69	33.86	33.45			
2	33.79	35.17	33.79	34.30	34.33	34.21	34.96	33.69	33.78	33.45			
3	33.76	34.91	33.78	33.87	35.46	35.48	35.38	33.69	33.74	33.45			
4	33.75	33.90	33.66	33.83	34.22	36.14	36.72	33.69	33.71	33.45			
5	33.74	33.83	33.64	33.84	35.56	36.18	35.23	33.69	33.70	33.44			
6	33.74	33.80	33.64	33.78	34.88	34.84	34.89	33.81	33.70	33.44			
7	33.72	33.72	33.62	34.07	35.09	35.47	35.97	33.97	33.69	33.44			
8	33.70	33.69	33.62	36.06	34.27	38.99	35.26	33.92	33.69	33.45			
9	33.70	33.78	33.62	34.88	35.12	38.81	34.77	33.82	33.69	33.64			
10	33.70	33.78	33.62	34.39	35.04	35.64	35.95	33.85	33.69	33.67			
11	33.70	33.75	33.58	34.04	35.00	35.04	37.38	33.85	33.69	33.68			
12	33.70	33.70	33.59	34.24	36.04	34.52	35.50	33.85	33.65	33.68			
13	33.70	33.72	33.73	36.78	36.33	34.38	34.89	33.83	33.65	33.68			
14	33.70	33.72	33.61	35.14	35.53	34.27	34.58	33.85	33.65	33.68			
15	33.70	33.70	33.60	34.58	34.98	34.41	34.37	33.84	33.64	33.69			
16	33.70	33.70	33.60	34.07	38.96	34.48	34.25	33.86	33.64	33.69			
17	33.69	33.68	33.60	33.95	35.40	34.51	34.17	33.77	33.63	33.69			
18	33.72	33.68	33.58	33.97	34.89	36.45	34.03	33.82	33.62	33.69			
19	33.72	33.66	33.56	34.00	34.48	35.55	33.89	33.80	33.62	33.68			
20	33.72	33.65	33.85	34.17	34.15	36.20	33.85	34.05	33.62	33.67			
21	33.72	33.65	34.66	37.33	34.04	35.23	33.82	33.93	33.57	33.67			
22	33.72	33.65	34.31	35.64	33.97	34.67	33.79	33.85	33.54	33.67			
23	33.72	33.65	33.75	34.57	33.92	34.44	33.77	33.80	33.52	33.67			
24	33.72	33.64	33.76	34.25	34.04	34.24	33.75	33.97	33.50	33.66			
25	33.72	33.64	34.28	34.13	34.64	34.28	33.73	34.43	33.49	33.65			
26	33.71	33.64	33.90	33.91	35.55	34.23	33.72	34.00	33.48	33.58			
27	33.71	33.64	33.82	33.92	35.28	34.20	33.80	34.54	33.46	33.57			
28	33.71	33.76	33.72	33.93	33.87	35.00	33.84	34.76	33.46	33.57			
29	33.72	33.84	33.69	33.90	34.33	35.87	33.78	34.24	33.46	33.56			
30	33.78	33.78	33.59	33.90	34.91	36.62	33.77	33.99	33.46	33.55			
31		33.71		33.91	34.38		33.77		33.45	33.54			
Mean	33.72	33.81	33.76	34.42	34.93	35.30	34.62	33.93	33.61	33.59			
Max	33.79	35.17	34.66	37.33	38.96	38.99	37.38	34.76	33.86	33.69			38.99
Min	33.69	33.64	33.56	33.63	33.87	34.20	33.72	33.69	33.45	33.44			33.44
Annual Max Momentary Gage Height	39.60	m. (MSL.) , at 06.00 Hours, on Aug 16, 2022											
Zero Gage at Bottom Elevation	32.60	m. (MSL.) , River Bed 33.08 m. (MSL.)											
Left Bank Elevation	39.41	m. (MSL.) ,											
Right Bank Elevation	39.13	m. (MSL.) , Drainage Are 281 Square Kilometers											

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.95	2.15	2.80	1.15	4.40	7.10	17.45	1.45	2.30	0.63			
2	1.95	13.70	1.95	5.00	5.30	4.10	11.60	1.45	1.90	0.63			
3	1.80	11.10	1.90	2.35	16.60	16.80	15.80	1.45	1.70	0.63			
4	1.75	2.50	1.30	2.15	4.20	26.60	35.30	1.45	1.55	0.63			
5	1.70	2.15	1.20	2.20	17.90	27.20	14.30	1.45	1.50	0.60			
6	1.70	2.00	1.20	1.90	10.80	10.40	10.90	2.05	1.50	0.60			
7	1.60	1.60	1.10	3.35	12.90	16.70	24.05	2.85	1.45	0.60			
8	1.50	1.45	1.10	25.40	4.70	86.70	14.60	2.60	1.45	0.63			
9	1.50	1.90	1.10	10.80	13.20	81.30	9.70	2.10	1.45	0.00			
10	1.50	1.90	1.10	5.90	12.40	19.10	23.75	2.25	1.45	0.00			
11	1.50	1.75	0.95	3.20	12.00	12.40	47.60	2.25	1.45	0.00			
12	1.50	1.50	0.98	4.40	25.10	7.20	17.00	2.25	1.25	0.00			
13	1.50	1.60	1.65	36.20	29.45	5.80	10.90	2.15	1.25	0.00			
14	1.50	1.60	1.05	13.40	17.45	4.70	7.80	2.25	1.25	0.00			
15	1.50	1.50	1.00	7.80	11.80	6.10	5.70	2.20	1.20	0.00			
16	1.50	1.50	1.00	3.35	85.80	6.80	4.50	2.30	1.20	0.00			
17	1.45	1.40	1.00	2.75	16.00	7.10	3.85	1.85	1.15	0.00			
18	1.60	1.40	0.95	2.85	10.90	31.25	3.15	2.10	1.10	0.00			
19	1.60	1.30	0.90	3.00	6.80	17.75	2.45	2.00	1.10	0.00			
20	1.60	1.25	2.25	3.85	3.75	27.50	2.25	3.25	1.10	0.00			
21	1.60	1.25	8.60	46.60	3.20	14.30	2.10	2.65	0.93	0.00			
22	1.60	1.25	5.10	19.10	2.85	8.70	1.95	2.25	0.85	0.00			
23	1.60	1.25	1.75	7.70	2.60	6.40	1.85	2.00	0.80	0.00			
24	1.60	1.20	1.80	4.50	3.20	4.40	1.75	2.85	0.75	0.00			
25	1.60	1.20	4.80	3.65	8.40	4.80	1.65	6.30	0.73	0.00			
26	1.55	1.20	2.50	2.55	17.75	4.30	1.60	3.00	0.70	0.00			
27	1.55	1.20	2.10	2.60	14.80	4.00	2.00	7.40	0.65	0.00			
28	1.55	1.80	1.60	2.65	2.35	12.00	2.20	9.60	0.65	0.00			
29	1.60	2.20	1.45	2.50	5.30	22.55	1.90	4.40	0.65	0.00			
30	1.90	1.90	0.98	2.50	11.10	33.80	1.85	2.95	0.65	0.00			
31		1.55		2.55	5.80		1.85		0.63	0.00			
Total	48.35	71.25	57.16	237.90	398.80	537.85	303.35	85.10	36.29	4.95			1781.00 CMSDAY
Mean	1.61	2.30	1.91	7.67	12.86	17.93	9.79	2.84	1.17	0.16			5.82 CMS
Max	1.95	13.70	8.60	46.60	85.80	86.70	47.60	9.60	2.30	0.63			86.70 CMS
Min	1.45	1.20	0.90	1.15	2.35	4.00	1.60	1.45	0.63	0.00			

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Sato at Ban Nong Bua , Trat (Z.30)**

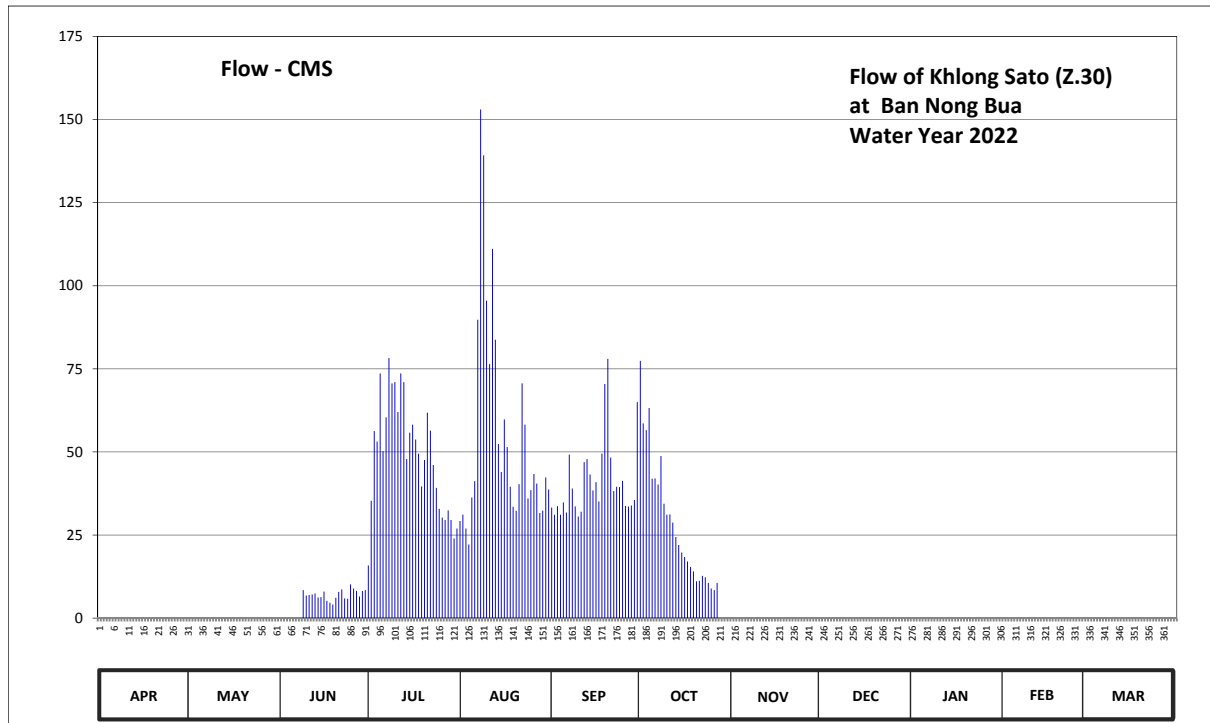
Lat 12 - 32 - 27 N Long 102 - 26 - 45 E

Location : on right bank at Ban Nong Bua.

	Ban Nong Bua	Amphoe Khao Saming	Changwat Trat
Drainge Area	312 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+9.200 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank next tall pole for eletric cable near dwelling.	Elevation	+20.777 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1987 to date		
Rating Operation			
Period of Rating	1999 to date		
Rated by Float	-		
Rated by Current Meter	1999 to date		
Stability of Channel Regimes	Rather unstable with variable water surface slope.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 29 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	12.98	13.05	11.41	12.09	12.98	13.55	16.52	13.17	13.11	12.71	12.88	12.57	
2	12.89	13.86	11.34	13.83	13.13	13.12	15.58	13.11	13.03	12.71	12.82	12.51	
3	12.87	13.18	11.56	15.45	12.83	13.64	15.47	13.17	12.92	12.69	12.81	12.45	
4	12.78	13.17	12.16	15.24	12.51	13.12	15.81	13.17	12.81	12.67	12.89	12.38	
5	12.69	13.11	12.45	16.33	13.93	13.78	14.49	13.17	12.63	12.66	13.12	12.32	
6	12.61	13.09	12.09	15.05	14.42	13.25	14.50	13.16	12.24	12.64	13.09	12.25	
7	12.53	13.17	12.13	15.67	17.05	14.98	14.32	13.16	12.23	12.64	13.07	12.18	
8	12.51	13.12	11.84	16.56	18.75	14.20	14.95	13.14	12.73	12.63	13.18	12.14	
9	12.51	13.08	11.54	16.18	18.48	13.62	13.74	13.13	12.94	12.62	13.02	12.09	
10	12.49	13.11	11.38	16.20	17.25	13.07	13.12	13.12	12.97	12.63	13.08	12.04	
11	12.48	13.14	11.40	15.75	16.47	13.30	13.14	13.11	12.95	12.82	13.12	11.98	
12	12.45	13.23	11.41	16.33	17.77	14.83	12.95	13.10	12.94	13.05	13.09	11.94	
13	12.43	13.25	11.44	16.20	16.81	14.89	12.66	13.09	12.92	13.11	13.07	11.93	
14	12.44	13.21	11.32	14.89	15.19	14.58	12.50	13.03	12.90	13.09	13.07	12.09	
15	12.56	13.13	11.33	15.42	14.63	14.14	12.35	12.75	12.81	13.08	13.07	12.41	
16	12.50	13.16	11.50	15.56	15.64	14.39	12.26	12.94	12.86	13.07	13.07	12.34	
17	12.55	13.18	11.22	15.28	15.13	13.81	12.17	13.00	12.86	13.06	13.05	12.28	
18	13.08	13.21	11.16	15.00	14.25	15.00	12.06	13.01	12.85	13.06	13.03	12.22	
19	13.17	13.39	11.11	14.26	13.60	16.17	11.97	13.07	12.82	13.06	13.02	12.16	
20	12.96	13.66	11.31	14.87	13.36	16.55	11.77	13.05	12.81	13.05	13.01	12.10	
21	12.87	12.48	11.49	15.74	14.33	14.92	11.78	13.07	12.80	13.05	12.98	12.03	
22	12.93	12.24	11.56	15.46	16.18	14.12	11.88	13.06	12.79	13.04	12.92	11.96	
23	13.12	11.88	11.29	14.77	15.56	14.25	11.85	13.04	12.78	13.03	12.86	11.91	
24	13.05	11.54	11.28	14.22	13.90	14.24	11.74	13.11	12.77	13.05	12.80	11.84	
25	13.02	11.46	11.71	13.47	14.15	14.43	11.59	13.26	12.75	13.02	12.81	11.77	
26	13.02	11.43	11.59	13.05	14.59	13.65	11.54	13.22	12.75	13.01	12.73	11.69	
27	12.92	11.46	11.52	13.00	14.35	13.61	11.74	13.35	12.74	12.98	12.66	11.62	
28	12.82	11.83	11.35	13.38	13.22	13.68	13.23	13.64	12.75	12.96	12.62	11.58	
29	12.90	12.18	11.52	13.00	13.37	13.85	13.29	13.36	12.73	12.94		11.64	
30	13.06	11.87	11.54	12.63	14.52	15.90	13.27	13.21	12.72	12.95		11.99	
31		11.61		12.83	14.17		13.25		12.71	12.94		12.21	
Mean	12.77	12.73	11.53	14.76	14.92	14.22	13.14	13.13	12.79	12.90	12.96	12.08	
Max	13.17	13.86	12.45	16.56	18.75	16.55	16.52	13.64	13.11	13.11	13.18	12.57	18.75
Min	12.43	11.43	11.11	12.09	12.51	13.07	11.54	12.75	12.23	12.62	12.62	11.58	11.11
Annual Max Momentary Gage Height	18.91		m. (MSL.) ,			at 20.00 Hours, on Aug 8, 2022							
Zero Gage at Bottom Elevation		9.20	m. (MSL.) ,			River Bed 8.95	m. (MSL.)						
Left Bank Elevation		19.45	m. (MSL.) ,										
Right Bank Elevation		19.52	m. (MSL.) ,			Drainage Are 312	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	15.85	29.20	33.25	77.40	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	35.30	31.15	31.10	58.60	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	56.25	26.95	33.70	56.55	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	53.10	22.15	31.10	63.20	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	73.60	36.30	34.80	41.90	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	50.25	41.20	31.75	42.00	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	60.40	89.75	49.20	40.20	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	78.20	153.00	39.00	48.75	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	8.40	70.60	139.20	33.60	34.40	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	6.80	71.00	95.50	30.55	31.10	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	7.00	62.00	76.40	32.00	31.20	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	7.10	73.60	111.10	46.95	28.75	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	7.40	71.00	83.75	47.85	24.40	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	6.20	47.85	52.35	43.20	22.00	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	6.30	55.80	43.95	38.40	19.75	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	8.00	58.20	59.80	40.90	18.40	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	5.20	53.70	51.45	35.10	17.05	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	4.60	49.50	39.50	49.50	15.40	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	4.10	39.60	33.50	70.40	14.05	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	6.10	47.55	32.30	78.00	11.05	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	7.90	61.80	40.30	48.30	11.20	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	8.60	56.40	70.60	38.20	12.70	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	5.90	46.05	58.20	39.50	12.25	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	5.80	39.20	36.00	39.40	10.60	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	10.15	32.85	38.50	41.30	8.90	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	8.90	30.25	43.35	33.75	8.40	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	8.20	29.50	40.50	33.55	10.60	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	6.50	32.40	31.60	33.90	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	8.20	29.50	32.35	35.50	0.00	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.00	8.40	23.95	42.30	65.00	0.00	0.00	0.00	0.00		0.00	
31		0.00		26.95	38.70		0.00		0.00	0.00		0.00	
Total	0.00	0.00	155.75	1532.20	1720.90	1238.75	770.80	0.00	0.00	0.00	0.00	0.00	5418.40
Mean	0.00	0.00	5.19	49.43	55.51	41.29	24.86	0.00	0.00	0.00	0.00	0.00	14.84
Max	0.00	0.00	10.15	78.20	153.00	78.00	77.40	0.00	0.00	0.00	0.00	0.00	153.00
Min	0.00	0.00	0.00	15.85	22.15	30.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Runoff	0.00	0.00	13.46	132.38	148.69	107.03	66.60	0.00	0.00	0.00	0.00	0.00	468.15
Momentary Peak	162.60	CMS, at	18.91 m. (MSL.), at	20.00 Hours, on Aug 8, 2022									
Runoff Yield	47.58	Liters/Second/Square KM.			Momentary Peak Yield	521.15	Liters/Second/Square KM.						

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Thapma at Ban Khao Bot , Rayong (Z.38)**

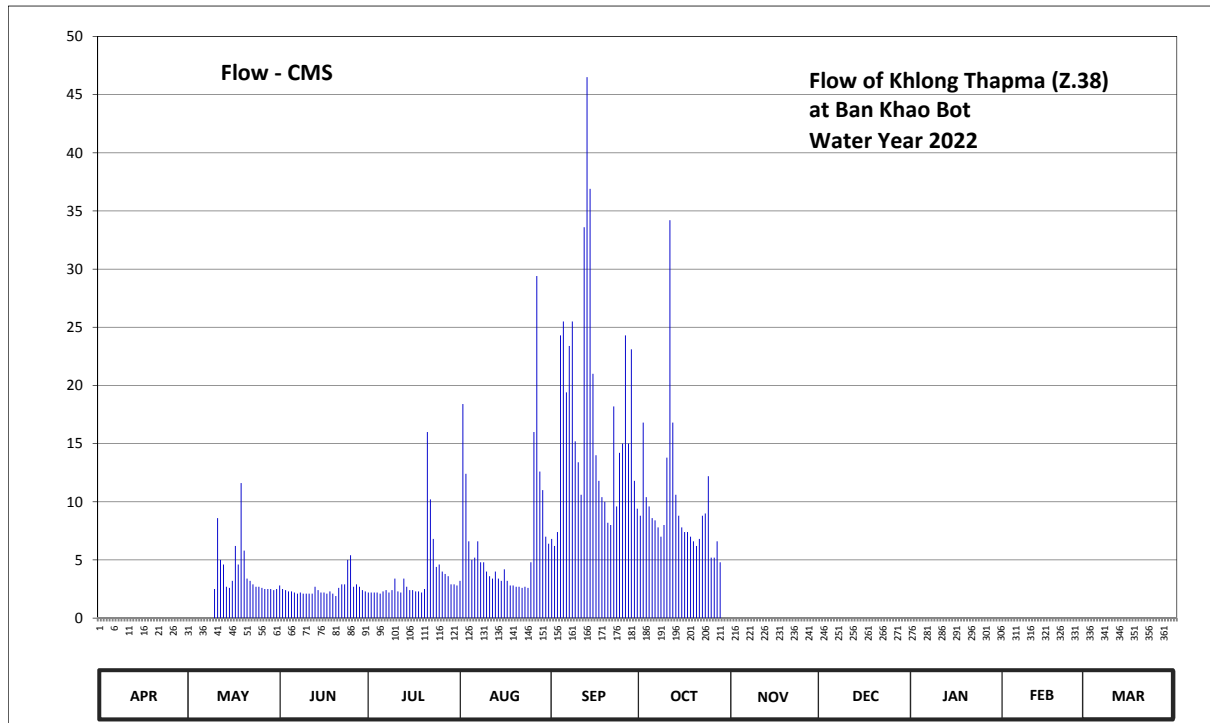
Lat 12 - 44 - 17 N Long 101 - 13 - 42 E

Location : on left bank at Ban Khao Bot.

	Ban	Khao Bot	Amphoe	Mueang	Changwat	Rayong
Drainge Area	149	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+8.100	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank next tall pole for eletric cable near dwelling.				Elevation	+13.100 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings					
Period of Available Gage Records	2008 to date					
Rating Operation						
Period of Rating	2008 to date					
Rated by Float	-					
Rated by Current Meter	2008 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 10.820 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 15 discharge measurements made in 2022.					
Remark	Telemetry system is error during 23 Dec.-18 Feb.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.86	8.93	8.88	8.82	8.91	9.09	9.19	8.93	8.74			8.69	
2	8.82	8.87	8.85	8.82	9.67	9.06	9.59	8.92	8.93			8.68	
3	8.80	8.89	8.84	8.82	9.37	9.12	9.27	8.95	8.68			8.66	
4	8.80	8.81	8.83	8.82	9.08	9.91	9.23	8.92	8.55			8.66	
5	8.79	8.80	8.83	8.81	9.00	9.95	9.18	8.91	8.56			8.67	
6	8.79	8.79	8.82	8.83	9.01	9.72	9.17	8.96	8.55			8.65	
7	8.79	8.79	8.81	8.84	9.08	9.88	9.14	8.91	8.60			8.66	
8	8.79	8.82	8.82	8.82	8.99	9.95	9.10	8.88	8.61			8.67	
9	8.78	8.81	8.81	8.84	8.99	9.51	9.15	8.88	8.54			8.65	
10	8.78	8.85	8.81	8.92	8.95	9.42	9.44	8.87	8.50			8.65	
11	8.78	9.18	8.81	8.83	8.93	9.28	10.24	8.87	8.48			8.65	
12	8.78	9.00	8.81	8.82	8.92	10.22	9.59	8.86	8.45			8.65	
13	8.80	8.98	8.87	8.92	8.95	10.65	9.28	8.87	8.41			8.68	
14	8.83	8.87	8.84	8.87	8.92	10.33	9.19	8.86	8.41			8.69	
15	8.80	8.86	8.82	8.84	8.91	9.80	9.14	8.92	8.40			8.66	
16	8.79	8.91	8.82	8.84	8.96	9.45	9.12	8.94	8.40			8.66	
17	8.82	9.06	8.81	8.83	8.91	9.34	9.12	8.90	8.37			8.65	
18	8.84	8.98	8.83	8.83	8.88	9.27	9.10	8.97	8.29			8.64	
19	8.80	9.33	8.81	8.82	8.88	9.25	9.08	8.94	8.28		8.20	8.66	
20	8.81	9.04	8.79	8.85	8.87	9.16	9.06	8.94	8.27		8.40	8.63	
21	8.80	8.92	8.86	9.55	8.87	9.15	9.09	8.99	8.26		8.68	8.66	
22	8.79	8.91	8.89	9.26	8.86	9.66	9.19	8.94	8.26		8.68	8.69	
23	8.79	8.89	8.89	9.09	8.87	9.23	9.20	8.87			8.68	8.64	
24	8.78	8.87	9.00	8.97	8.86	9.46	9.36	8.85			8.69	8.64	
25	8.79	8.87	9.02	8.98	8.99	9.50	9.01	8.87			8.69	8.63	
26	8.79	8.86	8.87	8.95	9.55	9.91	9.01	8.85			8.68	8.62	
27	8.77	8.85	8.89	8.94	10.08	9.50	9.08	8.90			8.67	8.62	
28	8.77	8.85	8.87	8.93	9.38	9.87	8.99	8.91			8.67	8.62	
29	8.77	8.85	8.84	8.89	9.30	9.34	8.99	8.79				8.63	
30	8.79	8.84	8.83	8.89	9.10	9.22	8.95	8.76				8.65	
31		8.85		8.88	9.07		8.93					8.63	
Mean	8.80	8.91	8.85	8.91	9.07	9.57	9.20	8.90	8.48		8.60	8.65	
Max	8.86	9.33	9.02	9.55	10.08	10.65	10.24	8.99	8.93		8.69	8.69	10.65
Min	8.77	8.79	8.79	8.81	8.86	9.06	8.93	8.76	8.26		8.20	8.62	8.20
Annual Max Momentary Gage Height	11.94		m. (MSL.) ,			at 22.00 Hours, on Sep 13, 2022							
Zero Gage at Bottom Elevation		8.10	m. (MSL.) ,			River Bed	7.04	m. (MSL.)					
Left Bank Elevation		10.83	m. (MSL.) ,										
Right Bank Elevation		10.81	m. (MSL.) ,			Drainage Are	149	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	2.80	2.20	3.20	6.80	8.80	0.00	0.00				0.00	
2	0.00	0.00	2.50	2.20	18.40	6.20	16.80	0.00	0.00				0.00	
3	0.00	0.00	2.40	2.20	12.40	7.40	10.40	0.00	0.00				0.00	
4	0.00	0.00	2.30	2.20	6.60	24.30	9.60	0.00	0.00				0.00	
5	0.00	0.00	2.30	2.10	5.00	25.50	8.60	0.00	0.00				0.00	
6	0.00	0.00	2.20	2.30	5.20	19.40	8.40	0.00	0.00				0.00	
7	0.00	0.00	2.10	2.40	6.60	23.40	7.80	0.00	0.00				0.00	
8	0.00	0.00	2.20	2.20	4.80	25.50	7.00	0.00	0.00				0.00	
9	0.00	0.00	2.10	2.40	4.80	15.20	8.00	0.00	0.00				0.00	
10	0.00	2.50	2.10	3.40	4.00	13.40	13.80	0.00	0.00				0.00	
11	0.00	8.60	2.10	2.30	3.60	10.60	34.20	0.00	0.00				0.00	
12	0.00	5.00	2.10	2.20	3.40	33.60	16.80	0.00	0.00				0.00	
13	0.00	4.60	2.70	3.40	4.00	46.50	10.60	0.00	0.00				0.00	
14	0.00	2.70	2.40	2.70	3.40	36.90	8.80	0.00	0.00				0.00	
15	0.00	2.60	2.20	2.40	3.20	21.00	7.80	0.00	0.00				0.00	
16	0.00	3.20	2.20	2.40	4.20	14.00	7.40	0.00	0.00				0.00	
17	0.00	6.20	2.10	2.30	3.20	11.80	7.40	0.00	0.00				0.00	
18	0.00	4.60	2.30	2.30	2.80	10.40	7.00	0.00	0.00				0.00	
19	0.00	11.60	2.10	2.20	2.80	10.00	6.60	0.00	0.00		0.00		0.00	
20	0.00	5.80	1.90	2.50	2.70	8.20	6.20	0.00	0.00		0.00		0.00	
21	0.00	3.40	2.60	16.00	2.70	8.00	6.80	0.00	0.00		0.00		0.00	
22	0.00	3.20	2.90	10.20	2.60	18.20	8.80	0.00	0.00		0.00		0.00	
23	0.00	2.90	2.90	6.80	2.70	9.60	9.00	0.00			0.00		0.00	
24	0.00	2.70	5.00	4.40	2.60	14.20	12.20	0.00			0.00		0.00	
25	0.00	2.70	5.40	4.60	4.80	15.00	5.20	0.00			0.00		0.00	
26	0.00	2.60	2.70	4.00	16.00	24.30	5.20	0.00			0.00		0.00	
27	0.00	2.50	2.90	3.80	29.40	15.00	6.60	0.00			0.00		0.00	
28	0.00	2.50	2.70	3.60	12.60	23.10	4.80	0.00			0.00		0.00	
29	0.00	2.50	2.40	2.90	11.00	11.80	0.00	0.00					0.00	
30	0.00	2.40	2.30	2.90	7.00	9.40	0.00	0.00					0.00	
31		2.50		2.80	6.40		0.00						0.00	
Total	0.00	87.30	76.90	110.30	202.10	518.70	270.60	0.00	0.00		0.00	0.00	1265.90	CMSDAY
Mean	0.00	2.82	2.56	3.56	6.52	17.29	8.73	0.00	0.00		0.00	0.00	4.12	CMS
Max	0.00	11.60	5.40	16.00	29.40	46.50	34.20	0.00	0.00		0.00	0.00	46.50	CMS
Min	0.00	0.00	1.90	2.10	2.60	6.20	0.00	0.00	0.00		0.00	0.00	0.00	CMS
Runoff	0.00	7.54	6.64	9.53	17.46	44.82	23.38	0.00	0.00		0.00	0.00	109.37	MCM
Momentary Peak	108.40	CMS, at 11.94 m. (MSL.), at 22.00 Hours, on Sep 13, 2022												
Runoff Yield	23.28	Liters/Second/Square KM.				Momentary Peak Yield		727.52	Liters/Second/Square KM.					

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Aeng at Ban Kho Lae , Trat (Z.45)**

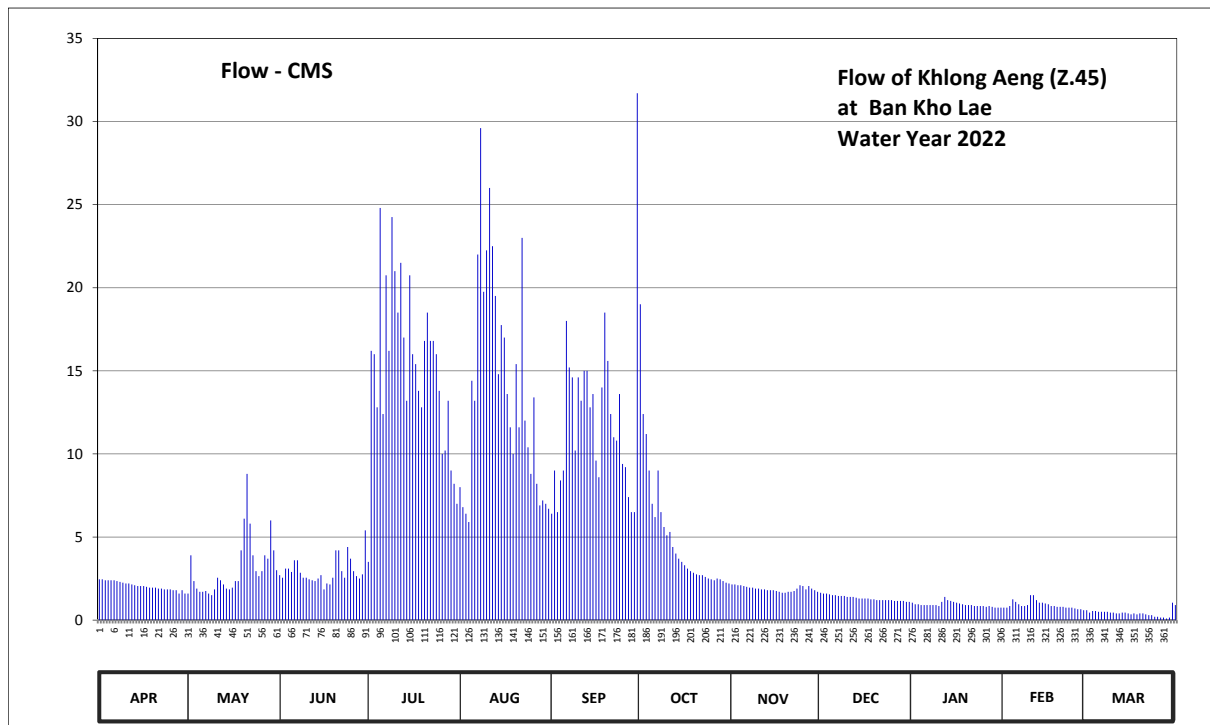
Lat 12 - 37 - 05 N Long 102 - 28 - 30 E

Location : on right bank near the highway bridge, Tambon Nong Bon.

	Ban Kho Lae	Amphoe Bo Rai	Changwat Trat
Drainge Area	61 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+28.454 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank about 15 meters from the top staff gage.	Elevation	+36.550 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1999 to date		
Rating Operation			
Period of Rating	1999 to date		
Rated by Float	-		
Rated by Current Meter	1999 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	Overbank flow starts at elevation + 33.79 m.(MSL.), records are channel flow only.		
General Description	Records very good. Stage-discharge relation defined by 49 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	30.59	30.42	30.64	30.75	31.15	31.04	31.68	30.53	30.43	30.31	30.25	30.22	
2	30.59	30.79	30.61	31.56	31.08	31.20	31.37	30.53	30.42	30.29	30.25	30.19	
3	30.58	30.57	30.71	31.55	31.04	31.05	31.31	30.52	30.42	30.29	30.27	30.21	
4	30.58	30.48	30.71	31.39	30.99	31.17	31.20	30.52	30.41	30.28	30.35	30.21	
5	30.58	30.44	30.68	31.91	31.47	31.20	31.10	30.51	30.40	30.28	30.32	30.20	
6	30.58	30.44	30.76	31.37	31.41	31.64	31.02	30.50	30.40	30.28	30.29	30.20	
7	30.57	30.45	30.76	31.75	31.80	31.51	31.20	30.49	30.39	30.28	30.27	30.20	
8	30.56	30.42	30.67	31.56	32.07	31.48	31.05	30.49	30.39	30.28	30.27	30.20	
9	30.55	30.40	30.61	31.89	31.71	31.26	30.96	30.48	30.39	30.28	30.28	30.19	
10	30.54	30.47	30.61	31.76	31.81	31.48	30.91	30.48	30.38	30.27	30.40	30.19	
11	30.54	30.61	30.59	31.66	31.95	31.41	30.93	30.47	30.38	30.32	30.40	30.18	
12	30.53	30.58	30.58	31.78	31.82	31.50	30.84	30.47	30.38	30.38	30.34	30.18	
13	30.52	30.53	30.57	31.60	31.70	31.50	30.80	30.46	30.37	30.34	30.31	30.19	
14	30.51	30.48	30.60	31.41	31.49	31.39	30.77	30.46	30.36	30.33	30.31	30.19	
15	30.51	30.47	30.64	31.75	31.63	31.43	30.75	30.46	30.36	30.32	30.30	30.18	
16	30.51	30.49	30.47	31.55	31.60	31.23	30.73	30.45	30.36	30.31	30.29	30.17	
17	30.50	30.57	30.54	31.52	31.43	31.18	30.71	30.44	30.36	30.30	30.27	30.18	
18	30.49	30.57	30.53	31.44	31.33	31.45	30.69	30.43	30.35	30.29	30.27	30.17	
19	30.49	30.82	30.61	31.39	31.25	31.66	30.67	30.43	30.35	30.28	30.26	30.18	
20	30.49	31.01	30.82	31.59	31.52	31.53	30.65	30.44	30.34	30.28	30.26	30.18	
21	30.48	31.19	30.82	31.66	31.33	31.37	30.64	30.44	30.34	30.28	30.26	30.17	
22	30.48	30.98	30.69	31.59	31.84	31.30	30.64	30.45	30.34	30.27	30.25	30.16	
23	30.47	30.79	30.61	31.59	31.35	31.29	30.62	30.48	30.34	30.27	30.25	30.16	
24	30.47	30.69	30.84	31.55	31.27	31.43	30.60	30.52	30.34	30.27	30.25	30.14	
25	30.47	30.63	30.77	31.44	31.19	31.22	30.59	30.51	30.34	30.27	30.24	30.14	
26	30.46	30.69	30.69	31.25	31.42	31.21	30.58	30.47	30.33	30.26	30.23	30.13	
27	30.46	30.79	30.63	31.26	31.16	31.12	30.60	30.51	30.33	30.27	30.23	30.13	
28	30.42	30.77	30.60	31.41	31.09	31.05	30.59	30.48	30.33	30.26	30.22	30.12	
29	30.46	31.00	30.65	31.20	31.11	31.05	30.57	30.46	30.33	30.25		30.13	
30	30.42	30.82	30.94	31.16	31.10	32.14	30.55	30.44	30.32	30.25		30.31	
31		30.70		31.10	31.07		30.54		30.32	30.25		30.28	
Mean	30.51	30.65	30.67	31.50	31.43	31.35	30.83	30.48	30.36	30.29	30.28	30.18	
Max	30.59	31.19	30.94	31.91	32.07	32.14	31.68	30.53	30.43	30.38	30.40	30.31	32.14
Min	30.42	30.40	30.47	30.75	30.99	31.04	30.54	30.43	30.32	30.25	30.22	30.12	30.12
Annual Max Momentary Gage Height	34.38		m. (MSL.) ,				at 19.00 Hours, on Sep 6, 2022						
Zero Gage at Bottom Elevation	28.45		m. (MSL.) ,			River Bed	28.18	m. (MSL.)					
Left Bank Elevation	33.78		m. (MSL.) ,										
Right Bank Elevation	34.13		m. (MSL.) ,			Drainage Are	61	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.45	1.60	2.70	3.50	8.00	6.40	19.00	2.15	1.65	1.05	0.75	0.60		
2	2.45	3.90	2.55	16.20	6.80	9.00	12.40	2.15	1.60	0.95	0.75	0.45		
3	2.40	2.35	3.10	16.00	6.40	6.50	11.20	2.10	1.60	0.95	0.85	0.55		
4	2.40	1.90	3.10	12.80	5.90	8.40	9.00	2.10	1.55	0.90	1.25	0.55		
5	2.40	1.70	2.90	24.80	14.40	9.00	7.00	2.05	1.50	0.90	1.10	0.50		
6	2.40	1.70	3.60	12.40	13.20	18.00	6.20	2.00	1.50	0.90	0.95	0.50		
7	2.35	1.75	3.60	20.75	22.00	15.20	9.00	1.95	1.45	0.90	0.85	0.50		
8	2.30	1.60	2.85	16.20	29.60	14.60	6.50	1.95	1.45	0.90	0.85	0.50		
9	2.25	1.50	2.55	24.25	19.75	10.20	5.60	1.90	1.45	0.90	0.90	0.45		
10	2.20	1.85	2.55	21.00	22.25	14.60	5.10	1.90	1.40	0.85	1.50	0.45		
11	2.20	2.55	2.45	18.50	26.00	13.20	5.30	1.85	1.40	1.10	1.50	0.40		
12	2.15	2.40	2.40	21.50	22.50	15.00	4.40	1.85	1.40	1.40	1.20	0.40		
13	2.10	2.15	2.35	17.00	19.50	15.00	4.00	1.80	1.35	1.20	1.05	0.45		
14	2.05	1.90	2.50	13.20	14.80	12.80	3.70	1.80	1.30	1.15	1.05	0.45		
15	2.05	1.85	2.70	20.75	17.75	13.60	3.50	1.80	1.30	1.10	1.00	0.40		
16	2.05	1.95	1.85	16.00	17.00	9.60	3.30	1.75	1.30	1.05	0.95	0.35		
17	2.00	2.35	2.20	15.40	13.60	8.60	3.10	1.70	1.30	1.00	0.85	0.40		
18	1.95	2.35	2.15	13.80	11.60	14.00	2.95	1.65	1.25	0.95	0.85	0.35		
19	1.95	4.20	2.55	12.80	10.00	18.50	2.85	1.65	1.25	0.90	0.80	0.40		
20	1.95	6.10	4.20	16.80	15.40	15.60	2.75	1.70	1.20	0.90	0.80	0.40		
21	1.90	8.80	4.20	18.50	11.60	12.40	2.70	1.70	1.20	0.90	0.80	0.35		
22	1.90	5.80	2.95	16.80	23.00	11.00	2.70	1.75	1.20	0.85	0.75	0.30		
23	1.85	3.90	2.55	16.80	12.00	10.80	2.60	1.90	1.20	0.85	0.75	0.30		
24	1.85	2.95	4.40	16.00	10.40	13.60	2.50	2.10	1.20	0.85	0.75	0.20		
25	1.85	2.65	3.70	13.80	8.80	9.40	2.45	2.05	1.20	0.85	0.70	0.20		
26	1.80	2.95	2.95	10.00	13.40	9.20	2.40	1.85	1.15	0.80	0.65	0.15		
27	1.80	3.90	2.65	10.20	8.20	7.40	2.50	2.05	1.15	0.85	0.65	0.15		
28	1.60	3.70	2.50	13.20	6.90	6.50	2.45	1.90	1.15	0.80	0.60	0.10		
29	1.80	6.00	2.75	9.00	7.20	6.50	2.35	1.80	1.15	0.75		0.15		
30	1.60	4.20	5.40	8.20	7.00	31.70	2.25	1.70	1.10	0.75		1.05		
31		3.00		7.00	6.70		2.20		1.10	0.75		0.90		
Total	62.00	95.50	88.90	473.15	431.65	366.30	153.95	56.60	41.00	28.95	25.45	12.90	1836.35	CMSDAY
Mean	2.07	3.08	2.96	15.26	13.92	12.21	4.97	1.89	1.32	0.93	0.91	0.42	5.03	CMS
Max	2.45	8.80	5.40	24.80	29.60	31.70	19.00	2.15	1.65	1.40	1.50	1.05	31.70	CMS
Min	1.60	1.50	1.85	3.50	5.90	6.40	2.20	1.65	1.10	0.75	0.60	0.10	0.10	CMS
Runoff	5.36	8.25	7.68	40.88	37.29	31.65	13.30	4.89	3.54	2.50	2.20	1.11	158.66	MCM
Momentary Peak	133.90	CMS, at 34.38 m. (MSL.), at 19.00 Hours, on Sep 6, 2022												
Runoff Yield	82.48	Liters/Second/Square KM.					Momentary Peak Yield	2195.08	Liters/Second/Square KM.					

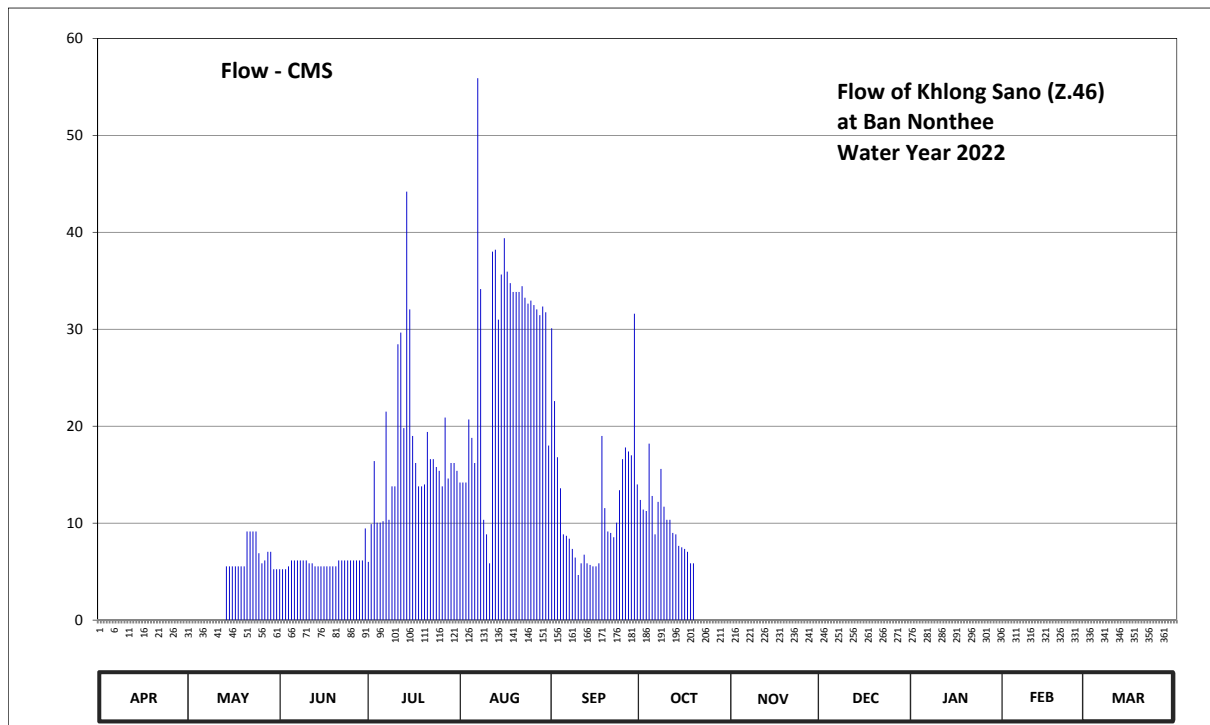
WATER YEAR : 2022
EAST COAST - GULF BASIN
Khlong Sano at Ban Nonthee , Trat (Z.46)
Lat 12 - 31 - 17 N Long 102 - 34 - 49 E

Location : on right bank at Ban Nonthee.

	Ban Nonthee	Amphoe Bo Rai	Changwat Trat
Drainage Area	94 sq.km.		
Type of Gage	Staff gage		
Zero Gage at Bottom	+19.130 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank about 50 meters from the top staff gage.	Elevation	+27.828 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings		
Period of Available Gage Records	1997 to date		
Rating Operation			
Period of Rating	2000 to date		
Rated by Float	-		
Rated by Current Meter	2000 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records very good. Stage-discharge relation defined by 27 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	21.28	21.39	20.45	20.50	21.01	22.04	20.92	21.29	21.29	21.29	21.29	21.40	
2	21.32	21.39	20.45	20.76	21.01	21.54	20.86	21.29	21.28	21.29	21.39	21.40	
3	21.39	21.39	20.45	21.12	21.01	21.14	20.85	21.29	21.27	21.29	21.39	21.40	
4	21.39	21.39	20.47	20.77	21.37	20.98	21.21	21.29	21.27	21.29	21.39	21.40	
5	21.39	21.39	20.51	20.77	21.24	20.69	20.94	21.29	21.27	21.29	21.39	21.39	
6	21.39	21.39	20.51	20.78	21.11	20.68	20.69	21.29	21.25	21.29	21.39	21.39	
7	21.39	21.39	20.51	21.45	23.33	20.66	20.91	21.29	21.25	21.29	21.39	21.39	
8	21.39	21.39	20.51	20.79	22.31	20.59	21.08	21.29	21.25	21.29	21.39	21.39	
9	21.39	21.39	20.51	20.99	20.79	20.53	20.88	21.29	21.25	21.29	21.39	21.39	
10	21.39	21.39	20.51	20.99	20.69	20.41	20.79	21.27	21.25	21.29	21.39	21.39	
11	21.39	21.39	20.49	21.93	20.49	20.49	20.79	21.27	21.25	21.29	21.39	21.39	
12	21.39	21.08	20.49	22.01	22.55	20.55	20.70	21.27	21.25	21.29	21.39	21.39	
13	21.39	20.47	20.47	21.29	22.56	20.49	20.69	21.27	21.23	21.29	21.39	21.39	
14	21.39	20.47	20.47	22.86	22.10	20.48	20.61	21.27	21.23	21.29	21.39	21.39	
15	21.39	20.47	20.47	22.17	22.41	20.47	20.60	21.27	21.23	21.29	21.39	21.39	
16	21.39	20.47	20.47	21.25	22.62	20.47	20.59	21.27	21.23	21.29	21.40	21.39	
17	21.39	20.47	20.47	21.11	22.43	20.49	20.57	21.27	21.23	21.29	21.40	21.39	
18	21.39	20.47	20.47	20.99	22.35	21.25	20.49	21.27	21.23	21.29	21.40	21.39	
19	21.39	20.47	20.47	20.99	22.29	20.87	20.49	21.27	21.29	21.29	21.39	21.39	
20	21.39	20.47	20.47	21.00	22.29	20.71	21.42	21.27	21.29	21.29	21.39	21.27	
21	21.39	20.71	20.51	21.27	22.29	20.70	21.43	21.29	21.29	21.28	21.39	21.27	
22	21.39	20.71	20.51	21.13	22.33	20.67	21.43	21.29	21.29	21.28	21.39	21.27	
23	21.39	20.71	20.51	21.13	22.25	20.77	21.23	21.28	21.29	21.28	21.43	21.27	
24	21.39	20.71	20.51	21.09	22.21	20.97	21.22	21.32	21.29	21.28	21.43	21.27	
25	21.39	20.56	20.51	21.07	22.23	21.13	21.22	21.39	21.29	21.28	21.49	21.27	
26	21.39	20.49	20.51	20.99	22.20	21.19	21.27	21.41	21.29	21.27	21.49	21.27	
27	21.39	20.51	20.51	21.39	22.17	21.17	21.27	21.33	21.29	21.27	21.49	21.45	
28	21.39	20.57	20.51	21.03	22.13	21.15	21.29	21.31	21.29	21.27	21.39	21.61	
29	21.39	20.57	20.51	21.11	22.19	22.14	21.30	21.33	21.29	21.27		21.57	
30	21.39	20.45	20.73	21.11	22.15	21.00	21.30	21.31	21.29	21.27		21.51	
31		20.45		21.07	21.20		21.30		21.29	21.27		21.51	
Mean	21.38	20.86	20.50	21.19	21.91	20.88	20.98	21.29	21.27	21.28	21.40	21.39	
Max	21.39	21.39	20.73	22.86	23.33	22.14	21.43	21.41	21.29	21.29	21.49	21.61	23.33
Min	21.28	20.45	20.45	20.50	20.49	20.41	20.49	21.27	21.23	21.27	21.29	21.27	20.41
Annual Max Momentary Gage Height	24.01		m. (MSL.) ,			at 12.00 Hours, on Aug 7, 2022							
Zero Gage at Bottom Elevation		19.13	m. (MSL.) ,			River Bed	19.06	m. (MSL.)					
Left Bank Elevation		28.06	m. (MSL.) ,										
Right Bank Elevation		26.93	m. (MSL.) ,			Drainage Are	94	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	5.25	6.00	14.20	30.10	12.40	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	5.25	9.90	14.20	22.60	11.40	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	5.25	16.40	14.20	16.80	11.25	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	5.55	10.05	20.70	13.60	18.20	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	6.15	10.05	18.80	8.85	12.80	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	6.15	10.20	16.20	8.70	8.85	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	6.15	21.50	55.90	8.40	12.20	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	6.15	10.35	34.15	7.35	15.60	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	6.15	13.80	10.35	6.45	11.70	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	6.15	13.80	8.85	4.65	10.35	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	5.85	28.45	5.85	5.85	10.35	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	5.85	29.65	38.00	6.75	9.00	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	5.55	19.80	38.20	5.85	8.85	0.00	0.00	0.00	0.00	0.00	
14	0.00	5.55	5.55	44.20	31.00	5.70	7.65	0.00	0.00	0.00	0.00	0.00	
15	0.00	5.55	5.55	32.05	35.65	5.55	7.50	0.00	0.00	0.00	0.00	0.00	
16	0.00	5.55	5.55	19.00	39.40	5.55	7.35	0.00	0.00	0.00	0.00	0.00	
17	0.00	5.55	5.55	16.20	35.95	5.85	7.05	0.00	0.00	0.00	0.00	0.00	
18	0.00	5.55	5.55	13.80	34.75	19.00	5.85	0.00	0.00	0.00	0.00	0.00	
19	0.00	5.55	5.55	13.80	33.85	11.55	5.85	0.00	0.00	0.00	0.00	0.00	
20	0.00	5.55	5.55	14.00	33.85	9.15	0.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	9.15	6.15	19.40	33.85	9.00	0.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	9.15	6.15	16.60	34.45	8.55	0.00	0.00	0.00	0.00	0.00	0.00	
23	0.00	9.15	6.15	16.60	33.25	10.05	0.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	9.15	6.15	15.80	32.65	13.40	0.00	0.00	0.00	0.00	0.00	0.00	
25	0.00	6.90	6.15	15.40	32.95	16.60	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.00	5.85	6.15	13.80	32.50	17.80	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	6.15	6.15	20.90	32.05	17.40	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.00	7.05	6.15	14.60	31.45	17.00	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	7.05	6.15	16.20	32.35	31.60	0.00	0.00	0.00	0.00	0.00	0.00	
30	0.00	5.25	9.45	16.20	31.75	14.00	0.00	0.00	0.00	0.00		0.00	
31		5.25		15.40	18.00		0.00		0.00	0.00		0.00	
Total	0.00	118.95	179.10	533.90	879.30	363.70	194.20	0.00	0.00	0.00	0.00	0.00	2269.15 CMSDAY
Mean	0.00	3.84	5.97	17.22	28.36	12.12	6.26	0.00	0.00	0.00	0.00	0.00	6.22 CMS
Max	0.00	9.15	9.45	44.20	55.90	31.60	18.20	0.00	0.00	0.00	0.00	0.00	55.90 CMS
Min	0.00	0.00	5.25	6.00	5.85	4.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	10.28	15.47	46.13	75.97	31.42	16.78	0.00	0.00	0.00	0.00	0.00	196.05 MCM
Momentary Peak	76.30 CMS, at 24.01 m. (MSL.), at 12.00 Hours, on Aug 7, 2022												
Runoff Yield	66.14 Liters/Second/Square KM. Momentary Peak Yield 811.70 Liters/Second/Square KM.												

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Chanthi at Ban Khlong Khwang , Trat (Z.47A)**

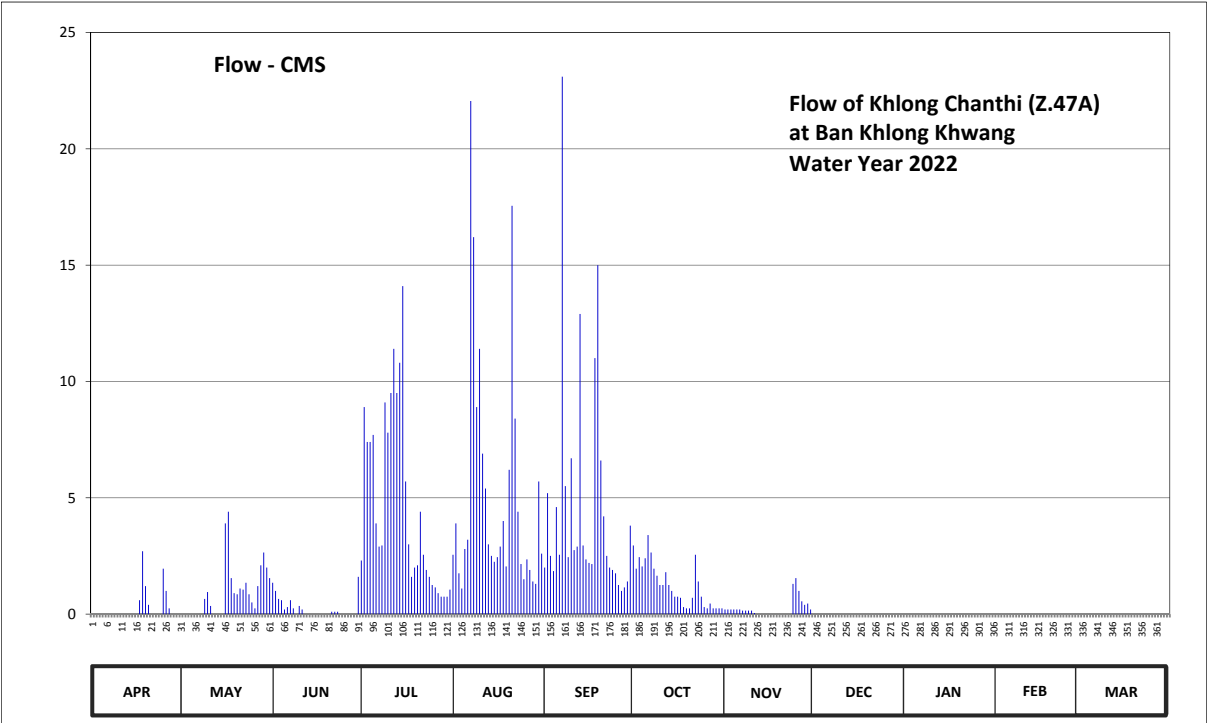
Lat 12 - 20 - 57 N Long 102 - 39 - 17 E

Location : on left bank at Ban Khlong Khwang, Tambon Tha Kum.

	Ban	Khlong Khwang	Amphoe	Mueang	Changwat	Trat
Drainge Area	22	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+18.450	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 20 meters from the top staff gage.				Elevation	+23.608 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	2011 to date					
Rating Operation						
Period of Rating	2011 to date					
Rated by Float	-					
Rated by Current Meter	2011 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 43 discharge measurements made in 2022.					
Remark	No Flow during 1 Feb. - 31 Mar.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	18.45	18.50	18.77	18.96	19.01	18.90	19.09	18.54	18.50	18.49			
2	18.45	18.50	18.70	19.69	19.19	19.32	18.89	18.54	18.50	18.49			
3	18.45	18.50	18.63	19.54	18.85	19.00	18.99	18.54	18.50	18.49			
4	18.45	18.50	18.62	19.54	18.72	18.87	18.91	18.54	18.50	18.49			
5	18.45	18.50	18.54	19.57	19.06	19.26	18.98	18.54	18.50	18.49			
6	18.45	18.50	18.56	19.19	19.12	19.01	19.14	18.54	18.50	18.49			
7	18.45	18.50	18.62	19.08	20.67	20.74	19.03	18.53	18.48	18.49			
8	18.45	18.50	18.55	19.09	20.28	19.35	18.89	18.53	18.48	18.49			
9	18.45	18.63	18.50	19.71	19.69	18.99	18.83	18.53	18.48	18.49			
10	18.45	18.69	18.57	19.58	19.94	19.47	18.75	18.53	18.48	18.50			
11	18.45	18.57	18.54	19.75	19.49	19.05	18.75	18.51	18.48	18.50			
12	18.45	18.50	18.50	19.94	19.34	19.08	18.86	18.50	18.48	18.50			
13	18.45	18.50	18.50	19.75	19.10	20.06	18.75	18.50	18.48	18.50			
14	18.45	18.50	18.50	19.88	19.00	19.09	18.70	18.50	18.50	18.50			
15	18.45	18.50	18.50	20.14	18.95	18.97	18.65	18.50	18.50	18.49			
16	18.45	19.19	18.50	19.37	18.99	18.94	18.65	18.50	18.50	18.49			
17	18.62	19.24	18.50	19.10	19.08	18.93	18.64	18.50	18.50	18.49			
18	19.04	18.81	18.50	18.82	19.20	19.90	18.56	18.50	18.50	18.48			
19	18.74	18.68	18.50	18.90	18.91	20.20	18.55	18.50	18.50	18.48			
20	18.58	18.67	18.50	18.92	19.42	19.46	18.55	18.50	18.50	18.48			
21	18.50	18.72	18.52	19.24	20.37	19.22	18.64	18.50	18.50	18.45			
22	18.50	18.71	18.52	19.01	19.64	19.00	19.01	18.50	18.50	18.45			
23	18.50	18.77	18.52	18.88	19.24	18.90	18.78	18.50	18.50	18.45			
24	18.50	18.67	18.50	18.82	18.93	18.88	18.65	18.76	18.50	18.45			
25	18.89	18.60	18.50	18.75	18.80	18.85	18.56	18.81	18.50	18.45			
26	18.70	18.55	18.50	18.73	18.97	18.75	18.55	18.70	18.50	18.45			
27	18.55	18.74	18.50	18.68	18.88	18.70	18.59	18.61	18.50	18.45			
28	18.50	18.92	18.50	18.65	18.78	18.73	18.55	18.58	18.50	18.45			
29	18.50	19.03	18.50	18.65	18.76	18.78	18.55	18.59	18.50	18.45			
30	18.50	18.90	18.82	18.65	19.37	19.18	18.55	18.54	18.50	18.45			
31		18.81		18.71	19.02		18.55		18.50	18.45			
Mean	18.53	18.67	18.55	19.20	19.25	19.19	18.75	18.55	18.50	18.48			
Max	19.04	19.24	18.82	20.14	20.67	20.74	19.14	18.81	18.50	18.50			20.74
Min	18.45	18.50	18.50	18.65	18.72	18.70	18.55	18.50	18.48	18.45			18.45
Annual Max Momentary Gage Height	21.70		m. (MSL.) ,			at 18.00 Hours, on Aug 7, 2022							
Zero Gage at Bottom Elevation	18.45		m. (MSL.) ,			River Bed	18.43	m. (MSL.)					
Left Bank Elevation	23.09		m. (MSL.) ,										
Right Bank Elevation	23.14		m. (MSL.) ,			Drainage Are	22	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	1.35	2.30	2.55	2.00	2.95	0.20	0.00	0.00			
2	0.00	0.00	1.00	8.90	3.90	5.20	1.95	0.20	0.00	0.00			
3	0.00	0.00	0.65	7.40	1.75	2.50	2.45	0.20	0.00	0.00			
4	0.00	0.00	0.60	7.40	1.10	1.85	2.05	0.20	0.00	0.00			
5	0.00	0.00	0.20	7.70	2.80	4.60	2.40	0.20	0.00	0.00			
6	0.00	0.00	0.30	3.90	3.20	2.55	3.40	0.20	0.00	0.00			
7	0.00	0.00	0.60	2.90	22.05	23.10	2.65	0.15	0.00	0.00			
8	0.00	0.00	0.25	2.95	16.20	5.50	1.95	0.15	0.00	0.00			
9	0.00	0.65	0.00	9.10	8.90	2.45	1.65	0.15	0.00	0.00			
10	0.00	0.95	0.35	7.80	11.40	6.70	1.25	0.15	0.00	0.00			
11	0.00	0.35	0.20	9.50	6.90	2.75	1.25	0.05	0.00	0.00			
12	0.00	0.00	0.00	11.40	5.40	2.90	1.80	0.00	0.00	0.00			
13	0.00	0.00	0.00	9.50	3.00	12.90	1.25	0.00	0.00	0.00			
14	0.00	0.00	0.00	10.80	2.50	2.95	1.00	0.00	0.00	0.00			
15	0.00	0.00	0.00	14.10	2.25	2.35	0.75	0.00	0.00	0.00			
16	0.00	3.90	0.00	5.70	2.45	2.20	0.75	0.00	0.00	0.00			
17	0.60	4.40	0.00	3.00	2.90	2.15	0.70	0.00	0.00	0.00			
18	2.70	1.55	0.00	1.60	4.00	11.00	0.30	0.00	0.00	0.00			
19	1.20	0.90	0.00	2.00	2.05	15.00	0.25	0.00	0.00	0.00			
20	0.40	0.85	0.00	2.10	6.20	6.60	0.25	0.00	0.00	0.00			
21	0.00	1.10	0.10	4.40	17.55	4.20	0.70	0.00	0.00	0.00			
22	0.00	1.05	0.10	2.55	8.40	2.50	2.55	0.00	0.00	0.00			
23	0.00	1.35	0.10	1.90	4.40	2.00	1.40	0.00	0.00	0.00			
24	0.00	0.85	0.00	1.60	2.15	1.90	0.75	1.30	0.00	0.00			
25	1.95	0.50	0.00	1.25	1.50	1.75	0.30	1.55	0.00	0.00			
26	1.00	0.25	0.00	1.15	2.35	1.25	0.25	1.00	0.00	0.00			
27	0.25	1.20	0.00	0.90	1.90	1.00	0.45	0.55	0.00	0.00			
28	0.00	2.10	0.00	0.75	1.40	1.15	0.25	0.40	0.00	0.00			
29	0.00	2.65	0.00	0.75	1.30	1.40	0.25	0.45	0.00	0.00			
30	0.00	2.00	1.60	0.75	5.70	3.80	0.25	0.20	0.00	0.00			
31		1.55		1.05	2.60		0.25		0.00	0.00			
Total	8.10	28.15	7.40	147.10	160.75	138.20	38.40	7.30	0.00	0.00			535.40 CMSDAY
Mean	0.27	0.91	0.25	4.75	5.19	4.61	1.24	0.24	0.00	0.00			1.75 CMS
Max	2.70	4.40	1.60	14.10	22.05	23.10	3.40	1.55	0.00	0.00			23.10 CMS
Min	0.00	0.00	0.00	0.75	1.10	1.00	0.25	0.00	0.00	0.00			0.00 CMS
Runoff	0.70	2.43	0.64	12.71	13.89	11.94	3.32	0.63	0.00	0.00			46.26 MCM
Momentary Peak	41.50	CMS, at 21.70 m. (MSL.), at 18.00 Hours, on Aug 7, 2022											
Runoff Yield	66.67	Liters/Second/Square KM.			Momentary Peak Yield	1886.36		Liters/Second/Square KM.					

WATER YEAR : 2022
EAST COAST - GULF BASIN

Khlong Pran Bun at Ban Khlong Yai Tai , Chanthaburi (Z.52)

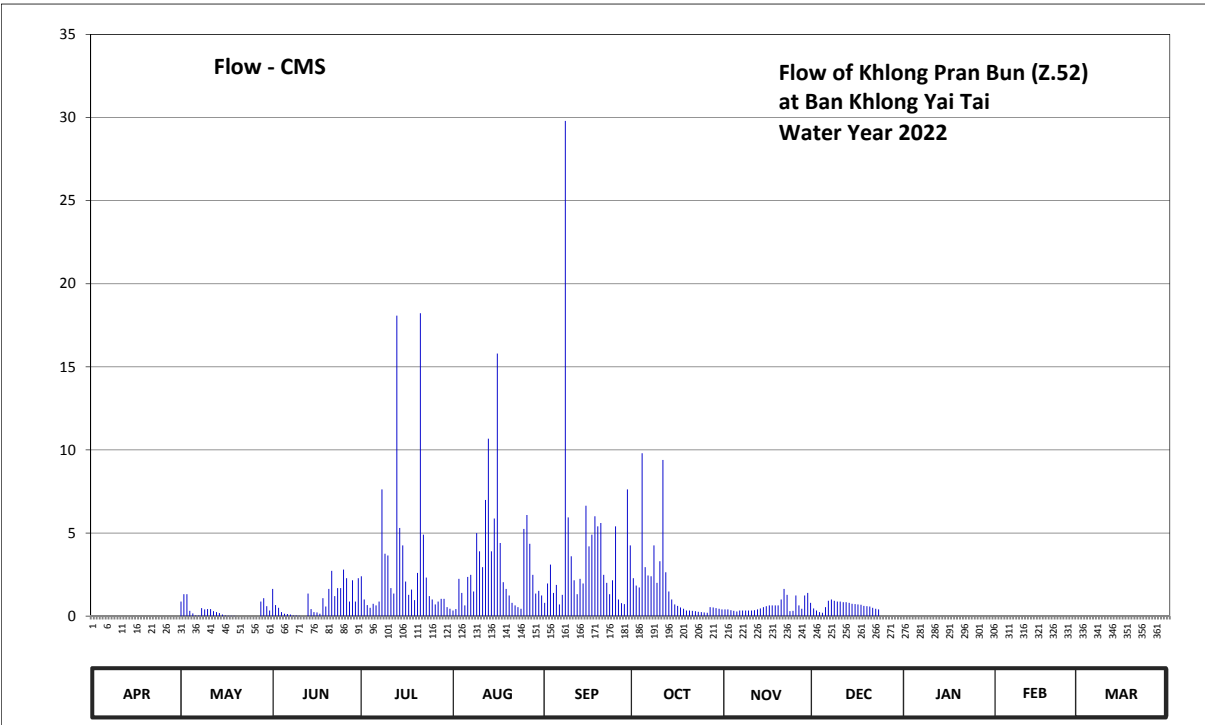
Lat 13 - 05 - 24 N Long 101 - 56 - 14 E

Location : on left bank at Ban Khlong Yai Tai.

	Ban	Khlong Yai Tai	Amphoe	Kaeng Hang Mao	Changwat	Chanthaburi
Drainge Area	60	sq.km.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+38.520	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the abutment of the bridge.				Elevation	+42.415 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00,12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetc mean of 3 readings					
Period of Available Gage Records	2001 to date					
Rating Operation						
Period of Rating	2001 to date					
Rated by Float	-					
Rated by Current Meter	2001 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 41.120 m.(MSL.), records are channel flow only.					
General Description	Records very good. Stage-discharge relation defined by 19 discharge measurements made in 2022.					
Remark	No Flow during 1-30 Apr.,1 Feb. - 31 Mar.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1		39.02	39.21	39.40	38.77	39.00	39.37	38.80	38.83	38.62			
2		39.13	38.93	39.05	38.81	39.29	39.26	38.80	38.77	38.62			
3		39.13	38.85	38.93	39.36	39.56	39.23	38.78	38.72	38.62			
4		38.76	38.72	38.85	39.15	39.15	40.65	38.76	38.70	38.62			
5		38.68	38.67	38.97	38.92	39.27	39.53	38.74	38.87	38.62			
6		38.62	38.66	38.92	39.39	38.95	39.41	38.77	39.03	38.62			
7		38.62	38.65	39.02	39.42	39.12	39.40	38.77	39.05	38.62			
8		38.84	38.62	40.36	39.17	42.14	39.79	38.77	39.03	38.62			
9		38.80	38.62	39.69	39.94	40.12	39.30	38.77	39.02	38.62			
10		38.81	38.61	39.67	39.72	39.66	39.60	38.77	39.02	38.62			
11		38.81	38.60	39.22	39.53	39.34	40.60	38.78	39.01	38.62			
12		38.75	38.59	39.14	40.27	39.13	39.46	38.80	39.01	38.62			
13		38.72	39.14	41.42	40.76	39.36	39.17	38.83	39.00	38.62			
14		38.69	38.81	40.00	39.72	39.29	39.05	38.87	38.97	38.62			
15		38.65	38.72	39.79	40.11	40.22	38.95	38.90	38.96	38.62			
16		38.62	38.71	39.32	41.25	39.78	38.91	38.92	38.95	38.62			
17		38.61	38.67	39.12	39.82	39.92	38.86	38.92	38.94	38.62			
18		38.61	39.07	39.20	39.31	40.13	38.82	38.92	38.91	38.62			
19		38.61	38.89	39.04	39.21	40.02	38.77	38.92	38.90	38.62			
20		38.60	39.21	39.45	39.11	40.06	38.77	39.05	38.89	38.61			
21		38.60	39.48	41.43	39.00	39.42	38.76	39.21	38.85	38.61			
22		38.58	39.10	39.92	38.92	39.30	38.75	39.12	38.82	38.61			
23		38.57	39.22	39.38	38.87	39.13	38.73	38.75	38.80	38.61			
24		38.56	39.22	39.10	38.82	39.34	38.72	38.76	38.77	38.61			
25		38.56	39.50	39.05	39.99	40.02	38.71	39.11	38.77	38.61			
26		38.56	39.37	38.95	40.14	39.05	38.70	38.92	38.74	38.61			
27		38.55	39.02	39.02	39.81	38.99	38.87	38.82	38.71	38.60			
28		39.02	39.34	39.06	39.42	38.96	38.86	39.11	38.69	38.60			
29		39.07	39.02	39.06	39.14	40.36	38.84	39.15	38.66	38.60			
30		38.90	39.37	38.87	39.18	39.79	38.82	39.00	38.62	38.60			
31		38.77		38.82	39.11		38.80		38.62	38.60			
Mean		38.74	38.95	39.39	39.49	39.60	39.14	38.89	38.86	38.61			
Max		39.13	39.50	41.43	41.25	42.14	40.65	39.21	39.05	38.62			42.14
Min		38.55	38.59	38.82	38.77	38.95	38.70	38.74	38.62	38.60			38.55
Annual Max Momentary Gage Height	42.27		m. (MSL.) ,			at 09.00 Hours, on Sep 8, 2022							
Zero Gage at Bottom Elevation	38.52		m. (MSL.) ,		River Bed	38.56		m. (MSL.)					
Left Bank Elevation	41.18		m. (MSL.) ,										
Right Bank Elevation	41.11		m. (MSL.) ,		Drainage Are	60		Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1		0.88	1.64	2.40	0.34	0.80	2.28	0.40	0.46	0.00			
2		1.32	0.66	1.00	0.42	1.96	1.84	0.40	0.34	0.00			
3		1.32	0.50	0.66	2.24	3.10	1.72	0.36	0.24	0.00			
4		0.32	0.24	0.50	1.40	1.40	9.80	0.32	0.20	0.00			
5		0.16	0.14	0.74	0.64	1.88	2.95	0.28	0.54	0.00			
6		0.04	0.12	0.64	2.36	0.70	2.44	0.34	0.92	0.00			
7		0.04	0.10	0.88	2.48	1.28	2.40	0.34	1.00	0.00			
8		0.48	0.04	7.62	1.48	29.80	4.25	0.34	0.92	0.00			
9		0.40	0.04	3.75	5.00	5.94	2.00	0.34	0.88	0.00			
10		0.42	0.02	3.65	3.90	3.60	3.30	0.34	0.88	0.00			
11		0.42	0.00	1.68	2.95	2.16	9.40	0.36	0.84	0.00			
12		0.30	0.00	1.36	6.99	1.32	2.64	0.40	0.84	0.00			
13		0.24	1.36	18.08	10.68	2.24	1.48	0.46	0.80	0.00			
14		0.18	0.42	5.30	3.90	1.96	1.00	0.54	0.74	0.00			
15		0.10	0.24	4.25	5.87	6.64	0.70	0.60	0.72	0.00			
16		0.04	0.22	2.08	15.80	4.20	0.62	0.64	0.70	0.00			
17		0.02	0.14	1.28	4.40	4.90	0.52	0.64	0.68	0.00			
18		0.02	1.08	1.60	2.04	6.01	0.44	0.64	0.62	0.00			
19		0.02	0.58	0.96	1.64	5.40	0.34	0.64	0.60	0.00			
20		0.00	1.64	2.60	1.24	5.60	0.34	1.00	0.58	0.00			
21		0.00	2.72	18.22	0.80	2.48	0.32	1.64	0.50	0.00			
22		0.00	1.20	4.90	0.64	2.00	0.30	1.28	0.44	0.00			
23		0.00	1.68	2.32	0.54	1.32	0.26	0.30	0.40	0.00			
24		0.00	1.68	1.20	0.44	2.16	0.24	0.32	0.00	0.00			
25		0.00	2.80	1.00	5.25	5.40	0.22	1.24	0.00	0.00			
26		0.00	2.28	0.70	6.08	1.00	0.20	0.64	0.00	0.00			
27		0.00	0.88	0.88	4.35	0.78	0.54	0.44	0.00	0.00			
28		0.88	2.16	1.04	2.48	0.72	0.52	1.24	0.00	0.00			
29		1.08	0.88	1.04	1.36	7.62	0.48	1.40	0.00	0.00			
30		0.60	2.28	0.54	1.52	4.25	0.44	0.80	0.00	0.00			
31		0.34		0.44	1.24		0.40		0.00	0.00			
Total		9.62	27.74	93.31	100.47	118.62	54.38	18.68	14.84	0.00			437.66 CMSDAY
Mean		0.31	0.92	3.01	3.24	3.95	1.75	0.62	0.48	0.00			1.59 CMS
Max		1.32	2.80	18.22	15.80	29.80	9.80	1.64	1.00	0.00			29.80 CMS
Min		0.00	0.00	0.44	0.34	0.70	0.20	0.28	0.00	0.00			0.00 CMS
Runoff		0.83	2.40	8.06	8.68	10.25	4.70	1.61	1.28	0.00			37.81 MCM
Momentary Peak	32.40	CMS, at 42.27 m. (MSL.), at 09.00 Hours, on Sep 8, 2022											
Runoff Yield	19.98	Liters/Second/Square KM.			Momentary Peak Yield			540.00	Liters/Second/Square KM.				

WATER YEAR : 2022**EAST COAST - GULF BASIN****Chanthaburi River at Ban Thung Ta In , Chanthaburi (Z.53)**

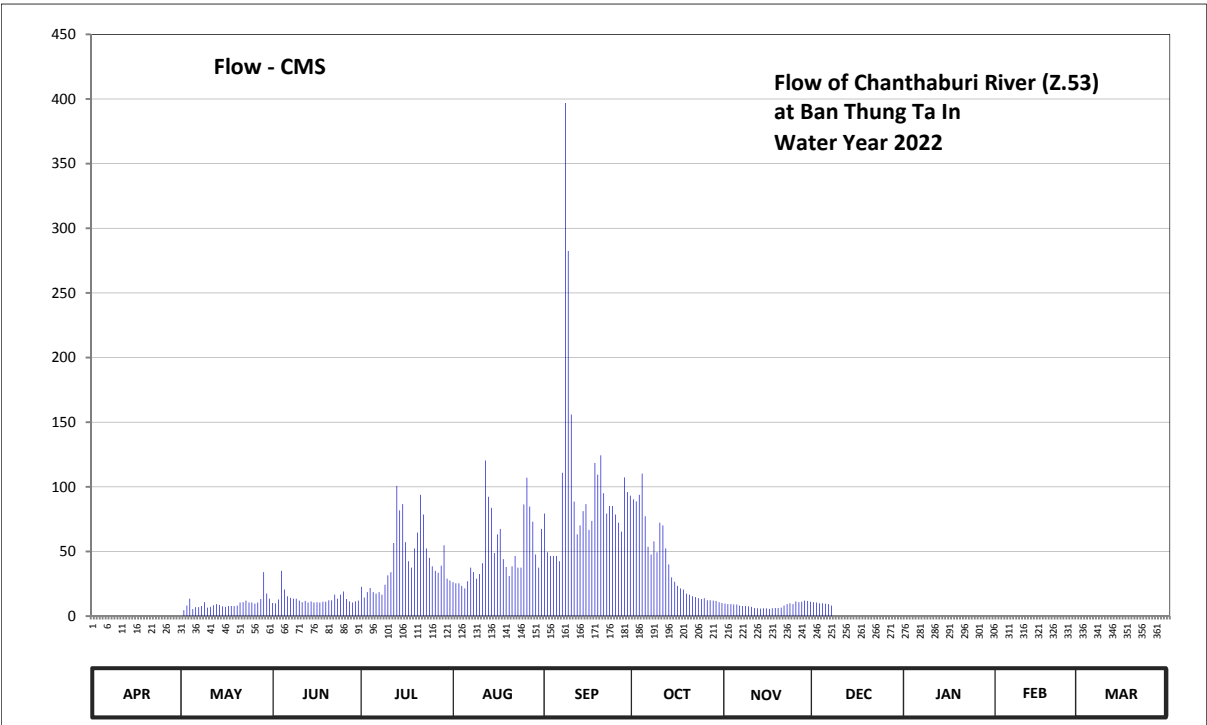
Lat 12 - 50 - 23 N Long 102 - 05 - 04 E

Location : on left bank at the bridge on highway.

	Ban Thung Ta In	Amphoe Khao Kitchakut	Changwat Chanthaburi
Drainage Area	476 sq.km.		
Type of Gage	Staff gage		
Zero Gage at Bottom	+14.260 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank near the gage site.	Elevation	+21.404 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic means of 3 readings		
Period of Available Gage Records	2007 to date		
Rating Operation			
Period of Rating	2007 to date		
Rated by Float	-		
Rated by Current Meter	2007 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	Overbank flow starts at elevation + 20.310 m.(MSL.), records are channel flow only.		
General Description	Records very good. Stage-discharge relation defined by 25 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	15.59	15.57	15.84	16.19	16.28	17.19	17.72	15.82	15.86	15.56	15.45	15.06	
2	15.57	15.63	15.83	15.98	16.26	16.74	17.64	15.81	15.85	15.56	15.41	15.01	
3	15.56	15.77	15.93	16.09	16.26	16.69	17.86	15.81	15.83	15.56	15.41	15.01	
4	15.51	15.95	16.46	16.17	16.21	16.69	18.41	15.80	15.83	15.56	15.66	15.01	
5	15.56	15.67	16.14	16.09	16.16	16.69	17.16	15.80	15.82	15.61	15.66	15.66	
6	15.58	15.73	16.01	16.06	16.30	16.61	16.81	15.77	15.81	15.61	15.66	15.76	
7	15.59	15.73	15.97	16.09	16.51	18.43	16.71	15.76	15.77	15.61	15.66	15.71	
8	15.64	15.76	15.95	16.04	16.44	21.88	16.88	15.76	15.74	15.59	15.66	15.69	
9	15.67	15.86	15.95	16.23	16.34	21.25	16.74	15.75	15.74	15.58	15.66	15.56	
10	15.71	15.72	15.90	16.39	16.41	19.60	17.09	15.74	15.73	15.56	15.66	15.46	
11	15.69	15.74	15.86	16.44	16.58	17.63	17.06	15.71	15.71	15.56	15.66	15.26	
12	15.68	15.78	15.89	16.86	18.71	16.96	16.79	15.70	15.71	15.56	15.65	15.21	
13	15.63	15.81	15.85	18.09	17.81	17.06	16.56	15.69	15.67	15.56	15.61	15.16	
14	15.58	15.79	15.88	17.29	17.39	17.26	16.36	15.70	15.66	15.61	15.61	15.04	
15	15.56	15.75	15.85	17.53	16.73	17.53	16.29	15.70	15.66	15.61	15.60	14.96	
16	15.58	15.74	15.86	16.87	16.96	17.01	16.21	15.68	15.66	15.61	15.56	14.91	
17	15.58	15.76	15.85	16.61	17.02	17.11	16.16	15.70	15.66	15.61	15.43	14.61	
18	15.64	15.76	15.87	16.51	16.64	18.66	16.14	15.71	15.66	15.61	15.54	14.41	
19	15.63	15.76	15.87	16.79	16.52	18.38	16.06	15.71	15.66	15.61	15.51	14.26	
20	15.69	15.77	15.91	16.98	16.38	18.81	16.04	15.72	15.66	15.60	15.51	14.26	
21	15.68	15.85	15.91	17.86	16.53	17.90	16.01	15.77	15.66	15.61	15.46	14.26	
22	15.66	15.86	16.04	17.18	16.69	17.19	15.99	15.81	15.66	15.60	15.42	14.26	
23	15.67	15.90	15.95	16.79	16.51	17.46	15.96	15.83	15.66	15.59	15.39	14.26	
24	15.64	15.85	16.04	16.66	16.51	17.46	15.94	15.81	15.66	15.56	15.36	14.26	
25	15.64	15.85	16.10	16.53	17.52	17.18	15.96	15.88	15.65	15.56	15.24	14.26	
26	15.60	15.82	15.94	16.46	18.30	17.09	15.91	15.86	15.63	15.56	15.19	14.26	
27	15.58	15.85	15.88	16.43	17.44	16.99	15.91	15.87	15.62	15.56	15.16	14.26	
28	15.58	15.94	15.85	16.54	17.10	18.31	15.90	15.90	15.61	15.56	15.11	15.46	
29	15.60	16.44	15.88	16.83	16.71	17.93	15.89	15.89	15.57	15.56		15.76	
30	15.60	16.06	15.90	16.34	16.51	17.84	15.86	15.87	15.56	15.54		15.76	
31		15.95		16.31	17.02		15.84		15.56	15.54		15.66	
Mean	15.62	15.82	15.94	16.62	16.80	17.78	16.51	15.78	15.69	15.58	15.50	14.98	
Max	15.71	16.44	16.46	18.09	18.71	21.88	18.41	15.90	15.86	15.61	15.66	15.76	21.88
Min	15.51	15.57	15.83	15.98	16.16	16.61	15.84	15.68	15.56	15.54	15.11	14.26	14.26
Annual Max Momentary Gage Height	22.21		m. (MSL.) ,			at 18.00 Hours, on Sep 8, 2022							
Zero Gage at Bottom Elevation		14.26	m. (MSL.) ,			River Bed	13.27	m. (MSL.)					
Left Bank Elevation		20.30	m. (MSL.) ,										
Right Bank Elevation		20.65	m. (MSL.) ,			Drainage Are	476	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	10.20	22.60	26.20	79.30	90.40	9.60	10.80	0.00	0.00	0.00	
2	0.00	4.60	9.90	14.40	25.40	49.40	88.80	9.30	10.50	0.00	0.00	0.00	
3	0.00	8.10	12.90	18.60	25.40	46.50	93.80	9.30	9.90	0.00	0.00	0.00	
4	0.00	13.50	35.00	21.80	23.40	46.50	110.30	9.00	9.90	0.00	0.00	0.00	
5	0.00	5.40	20.60	18.60	21.40	46.50	77.20	9.00	9.60	0.00	0.00	0.00	
6	0.00	6.90	15.40	17.40	27.00	42.50	53.60	8.10	9.30	0.00	0.00	0.00	
7	0.00	6.90	14.10	18.60	37.50	110.90	47.60	7.80	8.10	0.00	0.00	0.00	
8	0.00	7.80	13.50	16.60	34.00	397.00	57.80	7.80	0.00	0.00	0.00	0.00	
9	0.00	10.80	13.50	24.20	29.00	282.50	49.40	7.50	0.00	0.00	0.00	0.00	
10	0.00	6.60	12.00	31.50	32.50	156.00	72.30	7.20	0.00	0.00	0.00	0.00	
11	0.00	7.20	10.80	34.00	41.00	88.60	70.20	6.30	0.00	0.00	0.00	0.00	
12	0.00	8.40	11.70	56.60	120.40	63.20	52.40	6.00	0.00	0.00	0.00	0.00	
13	0.00	9.30	10.50	100.70	92.30	70.20	40.00	5.80	0.00	0.00	0.00	0.00	
14	0.00	8.70	11.40	81.80	83.80	81.20	30.00	6.00	0.00	0.00	0.00	0.00	
15	0.00	7.50	10.50	86.60	48.80	86.60	26.60	6.00	0.00	0.00	0.00	0.00	
16	0.00	7.20	10.80	57.20	63.20	66.70	23.40	5.60	0.00	0.00	0.00	0.00	
17	0.00	7.80	10.50	42.50	67.40	73.70	21.40	6.00	0.00	0.00	0.00	0.00	
18	0.00	7.80	11.10	37.50	44.00	118.40	20.60	6.30	0.00	0.00	0.00	0.00	
19	0.00	7.80	11.10	52.40	38.00	109.40	17.40	6.30	0.00	0.00	0.00	0.00	
20	0.00	8.10	12.30	64.60	31.00	124.40	16.60	6.60	0.00	0.00	0.00	0.00	
21	0.00	10.50	12.30	93.80	38.50	95.00	15.40	8.10	0.00	0.00	0.00	0.00	
22	0.00	10.80	16.60	78.60	46.50	79.30	14.70	9.30	0.00	0.00	0.00	0.00	
23	0.00	12.00	13.50	52.40	37.50	85.20	13.80	9.90	0.00	0.00	0.00	0.00	
24	0.00	10.50	16.60	45.00	37.50	85.20	13.20	9.30	0.00	0.00	0.00	0.00	
25	0.00	10.50	19.00	38.50	86.40	78.60	13.80	11.40	0.00	0.00	0.00	0.00	
26	0.00	9.60	13.20	35.00	107.00	72.30	12.30	10.80	0.00	0.00	0.00	0.00	
27	0.00	10.50	11.40	33.50	84.80	65.30	12.30	11.10	0.00	0.00	0.00	0.00	
28	0.00	13.20	10.50	39.00	73.00	107.30	12.00	12.00	0.00	0.00	0.00	0.00	
29	0.00	34.00	11.40	54.80	47.60	95.90	11.70	11.70	0.00	0.00		0.00	
30	0.00	17.40	12.00	29.00	37.50	93.20	10.80	11.10	0.00	0.00		0.00	
31		13.50		27.50	67.40		10.20		0.00	0.00		0.00	
Total	0.00	302.90	404.30	1345.30	1575.40	2996.80	1200.00	250.20	68.10	0.00	0.00	0.00	8143.00 CMSDAY
Mean	0.00	9.77	13.48	43.40	50.82	99.89	38.71	8.34	2.20	0.00	0.00	0.00	22.31 CMS
Max	0.00	34.00	35.00	100.70	120.40	397.00	110.30	12.00	10.80	0.00	0.00	0.00	397.00 CMS
Min	0.00	0.00	9.90	14.40	21.40	42.50	10.20	5.60	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	26.17	34.93	116.23	136.11	258.92	103.68	21.62	5.88	0.00	0.00	0.00	703.56 MCM
Momentary Peak	465.10	CMS, at 22.21 m. (MSL.), at 18.00 Hours, on Sep 8, 2022											
Runoff Yield	46.84	Liters/Second/Square KM.			Momentary Peak Yield		976.46	Liters/Second/Square KM.					

WATER YEAR : 2022**EAST COAST - GULF BASIN****Chanthaburi River at Ban Wang Cha Ai , Chanthaburi (Z.55)**

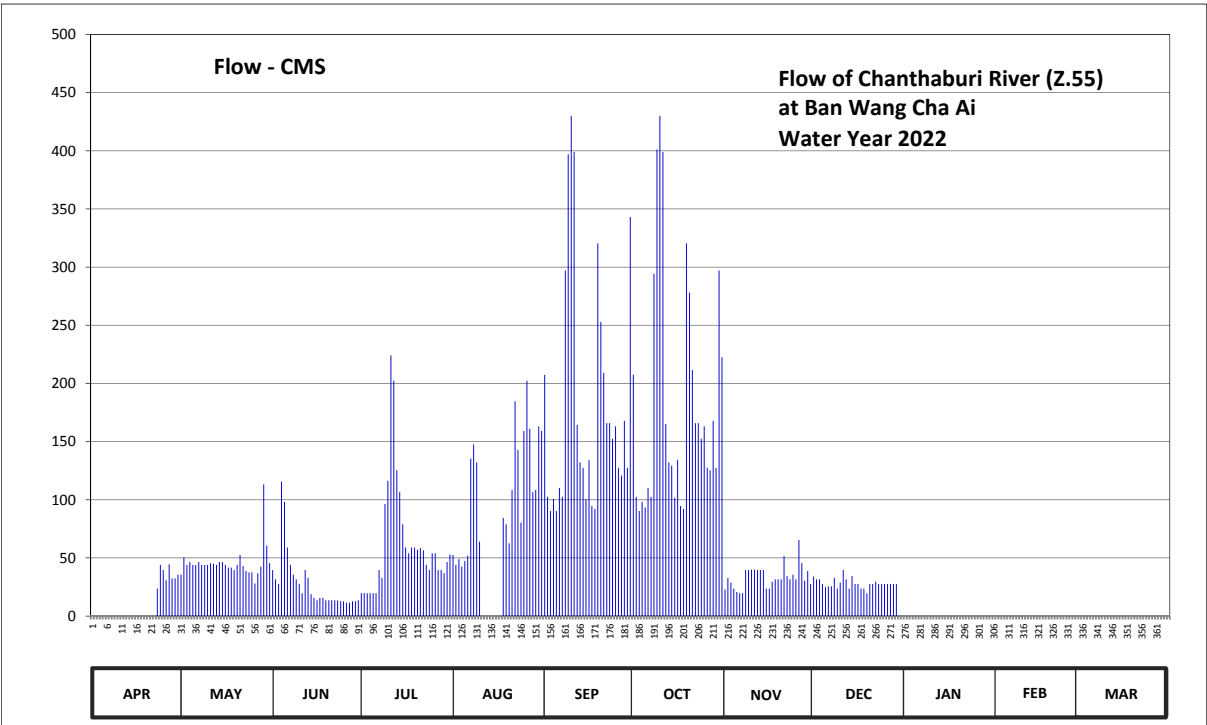
Lat 12 - 41 - 51 N Long 102 - 10 - 31 E

Location : on left bank at the bridge on highway.

	Ban	Wang Cha Ai	Amphoe	Makham	Changwat	Chanthaburi
Drainge Area	965	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+1.739	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+9.723 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00,12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	2008 to date					
Rating Operation						
Period of Rating	2008 to date					
Rated by Float	-					
Rated by Current Meter	2008 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 19 discharge measurements made in 2022.					
Remark	Telemetry system is error during 11-17 Aug., 10 - 28 Feb.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.39	3.14	3.24	2.74	3.51	5.97	5.97	2.82	3.10	2.64	2.54	3.04	
2	2.37	3.47	3.04	2.74	3.34	4.44	4.44	3.07	3.04	2.64	2.54	3.04	
3	2.34	3.34	2.94	2.74	3.44	4.24	4.24	2.97	3.04	2.64	2.54	3.04	
4	2.34	3.39	4.66	2.74	3.31	4.41	4.37	2.84	2.94	2.64	2.56	3.02	
5	2.34	3.34	4.37	2.74	3.41	4.24	4.29	2.77	2.87	2.64	2.64	3.02	
6	2.34	3.34	3.64	2.74	3.50	4.57	4.57	2.74	2.89	2.64	2.64	3.01	
7	2.32	3.39	3.34	3.24	4.96	4.44	4.44	2.74	2.89	2.64	2.64	3.03	
8	2.42	3.34	3.14	3.07	5.14	7.00	6.97	3.24	3.07	2.64	2.64	3.04	
9	2.30	3.34	3.04	4.34	4.91	8.05	8.09	3.24	2.84	2.64	2.64	3.04	
10	2.34	3.34	2.94	4.67	3.74	8.38	8.38	3.25	2.97	2.64		3.04	
11	2.34	3.37	2.74	6.17		8.07	8.07	3.25	3.24	2.64		3.04	
12	2.39	3.36	3.24	5.91		5.39	5.40	3.24	3.04	2.64		3.04	
13	2.39	3.34	3.07	4.81		4.91	4.91	3.24	2.84	2.69		2.74	
14	2.44	3.39	2.72	4.51		4.84	4.87	3.24	3.11	2.69		2.74	
15	2.44	3.39	2.64	4.04		4.41	4.43	2.84	2.94	2.69		2.64	
16	2.44	3.34	2.59	3.64		4.94	4.94	2.84	2.94	2.69		2.54	
17	2.44	3.29	2.64	3.54		4.31	4.31	2.99	2.84	2.69		2.54	
18	2.44	3.29	2.64	3.64	4.14	4.27	4.27	3.04	2.84	2.64		2.54	
19	2.44	3.24	2.59	3.64	4.04	7.26	7.26	3.04	2.74	2.64		2.54	
20	2.49	3.34	2.59	3.60	3.71	6.51	6.79	3.04	2.94	2.64		2.59	
21	2.49	3.51	2.59	3.63	4.54	5.99	6.02	3.49	2.94	2.59		2.59	
22	2.49	3.32	2.59	3.59	5.69	5.41	5.41	3.11	2.99	2.59		2.64	
23	2.84	3.22	2.59	3.34	5.07	5.41	5.41	3.04	2.94	2.59		2.64	
24	3.34	3.19	2.57	3.24	4.07	5.21	5.21	3.14	2.94	2.54		2.59	
25	3.24	3.19	2.57	3.54	5.31	5.37	5.37	3.04	2.94	2.54		2.59	
26	3.02	2.95	2.54	3.54	5.91	4.84	4.84	3.77	2.94	2.54		2.57	
27	3.35	3.17	2.54	3.24	5.34	4.74	4.81	3.37	2.94	2.54		2.54	
28	3.06	3.31	2.57	3.24	4.51	5.44	5.44	3.01	2.94	2.54		2.54	
29	3.06	4.62	2.57	3.17	4.54	4.84	4.84	3.22	2.94	2.54		2.53	
30	3.14	3.67	2.59	3.39	5.37	7.51	7.00	2.94	2.84	2.54		2.44	
31		3.37		3.52	5.31		6.15		2.74	2.54		2.39	
Mean	2.59	3.36	2.92	3.64	4.45	5.51	5.53	3.09	2.94	2.62	2.60	2.75	
Max	3.35	4.62	4.66	6.17	5.91	8.38	8.38	3.77	3.24	2.69	2.64	3.04	8.38
Min	2.30	2.95	2.54	2.74	3.31	4.24	4.24	2.74	2.74	2.54	2.54	2.39	2.30
Annual Max Momentary Gage Height	8.52		m. (MSL.) ,			at 06.00 Hours, on Sep 10, 2022							
Zero Gage at Bottom Elevation	1.74		m. (MSL.) ,			River Bed	-1.68	m. (MSL.)					
Left Bank Elevation	8.55		m. (MSL.) ,										
Right Bank Elevation	9.15		m. (MSL.) ,			Drainage Are	965	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	35.60	39.60	19.60	52.50	207.37	207.37	22.80	34.00	0.00	0.00	0.00	
2	0.00	50.50	31.60	19.60	44.00	102.40	102.40	32.80	31.60	0.00	0.00	0.00	
3	0.00	44.00	27.60	19.60	49.00	90.40	90.40	28.80	31.60	0.00	0.00	0.00	
4	0.00	46.50	115.60	19.60	42.50	100.60	98.20	23.60	27.60	0.00	0.00	0.00	
5	0.00	44.00	98.20	19.60	47.50	90.40	93.40	20.80	24.80	0.00	0.00	0.00	
6	0.00	44.00	59.00	19.60	52.00	110.20	110.20	19.60	25.60	0.00	0.00	0.00	
7	0.00	46.50	44.00	39.60	135.50	102.40	102.40	19.60	25.60	0.00	0.00	0.00	
8	0.00	44.00	35.60	32.80	147.62	297.00	294.30	39.60	32.80	0.00	0.00	0.00	
9	0.00	44.00	31.60	96.40	132.14	397.00	401.00	39.60	23.60	0.00	0.00	0.00	
10	0.00	44.00	27.60	116.20	64.00	430.00	430.00	40.00	28.80	0.00		0.00	
11	0.00	45.50	19.60	224.21		399.00	399.00	40.00	39.60	0.00		0.00	
12	0.00	45.00	39.60	202.32		164.44	165.12	39.60	31.60	0.00		0.00	
13	0.00	44.00	32.80	125.40		132.14	132.14	39.60	23.60	0.00		0.00	
14	0.00	46.50	18.80	106.60		127.42	129.44	39.60	34.40	0.00		0.00	
15	0.00	46.50	15.60	79.00		100.60	101.80	23.60	27.60	0.00		0.00	
16	0.00	44.00	13.60	59.00		134.15	134.15	23.60	27.60	0.00		0.00	
17	0.00	41.60	15.60	54.00		94.60	94.60	29.60	23.60	0.00		0.00	
18	0.00	41.60	15.60	59.00	84.40	92.20	92.20	31.60	23.60	0.00		0.00	
19	0.00	39.60	13.60	59.00	79.00	320.40	320.40	31.60	19.60	0.00		0.00	
20	0.00	44.00	13.60	57.00	62.50	252.90	278.10	31.60	27.60	0.00		0.00	
21	0.00	52.50	13.60	58.50	108.40	209.05	211.58	51.50	27.60	0.00		0.00	
22	0.00	43.00	13.60	56.50	184.64	165.79	165.79	34.40	29.60	0.00		0.00	
23	23.60	38.80	13.60	44.00	142.90	165.79	165.79	31.60	27.60	0.00		0.00	
24	44.00	37.60	12.80	39.60	80.50	152.33	152.33	35.60	27.60	0.00		0.00	
25	39.60	37.60	12.80	54.00	159.06	163.10	163.10	31.60	27.60	0.00		0.00	
26	30.80	28.00	11.60	54.00	202.32	127.42	127.42	65.50	27.60	0.00		0.00	
27	44.50	36.80	11.60	39.60	161.08	120.69	125.40	45.50	27.60	0.00		0.00	
28	32.40	42.50	12.80	39.60	106.60	167.81	167.81	30.40	27.60	0.00		0.00	
29	32.40	113.20	12.80	36.80	108.40	127.42	127.42	38.80	27.60	0.00		0.00	
30	35.60	60.50	13.60	46.50	163.10	343.00	297.00	27.60	0.00	0.00		0.00	
31		45.50		53.00	159.06		222.53		0.00	0.00		0.00	
Total	282.90	1417.40	837.60	1950.23	2568.72	5488.02	5702.79	1010.10	815.20	0.00	0.00	0.00	20072.96 CMSDAY
Mean	9.43	45.72	27.92	62.91	107.03	182.93	183.96	33.67	26.30	0.00	0.00	0.00	59.21 CMS
Max	44.50	113.20	115.60	224.21	202.32	430.00	430.00	65.50	39.60	0.00	0.00	0.00	430.00 CMS
Min	0.00	28.00	11.60	19.60	42.50	90.40	90.40	19.60	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	24.44	122.46	72.37	168.50	221.94	474.16	492.72	87.27	70.43	0.00	0.00	0.00	1734.30 MCM
Momentary Peak	444.00	CMS, at 8.52 m. (MSL.), at 06.00 Hours, on Sep 10, 2022											
Runoff Yield	56.99	Liters/Second/Square KM.		Momentary Peak Yield		460.10	Liters/Second/Square KM.						

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Thung Plae at Ban Ta Bok Tia , Chanthaburi (Z.56)**

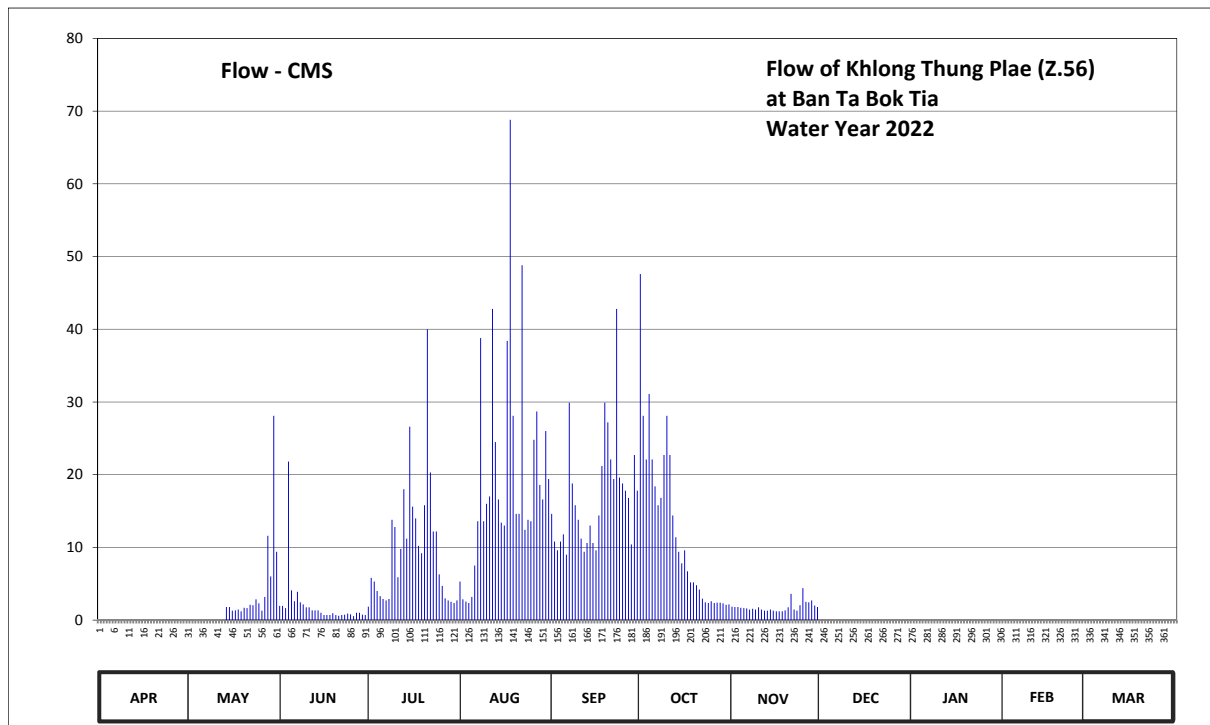
Lat 12 - 49 - 09 N Long 102 - 14 - 20 E

Location : on left bank at the bridge on highway.

	Ban	Ta Bok Tia	Amphoe	Makham	Changwat	Chanthaburi
Drainage Area	98	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+24.743	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+32.738 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	2007 to date					
Rating Operation						
Period of Rating	2007 to date					
Rated by Float	-					
Rated by Current Meter	2007 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 22 discharge measurements made in 2022.					
Remark	Telemetry system is error during 1-31 Mar.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	25.39	25.39	25.19	25.17	25.63	26.23	27.29	25.17	25.09	24.89	25.02		
2	25.39	25.39	25.19	25.68	25.37	26.04	26.77	25.16	25.06	24.87	25.04		
3	25.39	25.37	25.13	25.63	25.31	25.98	26.57	25.16	25.08	24.90	25.29		
4	25.39	25.30	26.56	25.50	25.27	26.04	26.87	25.14	25.06	24.90	25.39		
5	25.39	25.19	25.51	25.43	25.42	26.09	26.57	25.13	25.05	24.89	25.47		
6	25.39	25.24	25.32	25.38	25.85	25.95	26.42	25.12	25.00	24.87	25.44		
7	25.39	25.36	25.49	25.34	26.18	26.83	26.29	25.09	24.98	24.88	25.44		
8	25.39	25.31	25.29	25.38	27.07	26.44	26.34	25.11	24.96	24.86	25.45		
9	25.39	25.35	25.23	26.19	26.18	26.29	26.59	25.09	24.99	24.86	25.45		
10	25.39	25.66	25.15	26.14	26.30	26.19	26.77	25.15	24.97	24.84	25.47		
11	25.39	25.29	25.15	25.69	26.35	26.06	26.59	25.09	25.02	24.90	25.48		
12	25.39	25.29	25.07	25.99	27.17	25.97	26.22	25.06	25.02	24.97	25.49		
13	25.39	25.37	25.07	26.40	26.65	26.03	26.07	25.06	24.92	24.96	25.47		
14	25.39	25.16	25.07	26.06	26.33	26.15	25.97	25.09	24.93	24.92	25.47		
15	25.39	25.16	25.00	26.72	26.17	26.03	25.88	25.06	24.96	24.90	25.39		
16	25.39	25.06	24.94	26.28	26.15	25.98	25.98	25.04	24.93	24.87	25.44		
17	25.39	25.07	24.94	26.20	27.06	26.22	25.77	25.04	24.97	24.86	25.44		
18	25.39	25.09	24.94	26.01	27.73	26.54	25.62	25.04	24.96	24.87	25.42		
19	25.39	25.04	24.99	25.96	26.77	26.83	25.62	25.07	24.97	24.86	25.32		
20	25.39	25.14	24.94	26.29	26.23	26.74	25.58	25.15	24.96	24.87	25.31		
21	25.39	25.13	24.92	27.10	26.23	26.57	25.52	25.46	24.93	24.87	25.32		
22	25.39	25.22	24.94	26.51	27.32	26.47	25.39	25.09	24.98	24.83	25.32		
23	25.39	25.21	24.95	26.11	26.12	27.17	25.29	25.06	24.97	24.77	25.29		
24	25.39	25.37	24.98	26.11	26.19	26.48	25.27	25.21	24.96	25.18	25.31		
25	25.39	25.26	24.96	25.73	26.18	26.44	25.32	25.54	24.94	25.52	25.38		
26	25.39	25.06	24.91	25.57	26.66	26.39	25.27	25.30	24.96	25.44	25.34		
27	25.39	25.42	25.00	25.40	26.79	26.34	25.28	25.29	24.97	25.12	25.29		
28	25.39	26.08	25.00	25.34	26.43	26.02	25.28	25.34	24.89	25.08	25.32		
29	25.39	25.70	24.95	25.30	26.33	26.59	25.26	25.20	24.93	25.06			
30	25.39	26.77	24.94	25.27	26.70	26.39	25.22	25.15	24.92	25.04			
31		25.97		25.34	26.47		25.23		24.91	25.05			
Mean	25.39	25.37	25.12	25.85	26.34	26.32	25.94	25.16	24.98	24.96	25.37		
Max	25.39	26.77	26.56	27.10	27.73	27.17	27.29	25.54	25.09	25.52	25.49		27.73
Min	25.39	25.04	24.91	25.17	25.27	25.95	25.22	25.04	24.89	24.77	25.02		24.77
Annual Max Momentary Gage Height	27.94		m. (MSL.) ,			at 18.00 Hours, on Sep 23, 2022							
Zero Gage at Bottom Elevation		24.74	m. (MSL.) ,			River Bed	24.35	m. (MSL.)					
Left Bank Elevation		31.68	m. (MSL.) ,										
Right Bank Elevation		30.84	m. (MSL.) ,			Drainage Are	98	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	1.95	1.85	5.30	14.60	47.60	1.85	0.00	0.00	0.00		
2	0.00	0.00	1.95	5.80	2.85	10.80	28.10	1.80	0.00	0.00	0.00		
3	0.00	0.00	1.65	5.30	2.55	9.60	22.10	1.80	0.00	0.00	0.00		
4	0.00	0.00	21.80	4.00	2.35	10.80	31.10	1.70	0.00	0.00	0.00		
5	0.00	0.00	4.10	3.30	3.20	11.80	22.10	1.65	0.00	0.00	0.00		
6	0.00	0.00	2.60	2.90	7.50	9.00	18.40	1.60	0.00	0.00	0.00		
7	0.00	0.00	3.90	2.70	13.60	29.90	15.80	1.45	0.00	0.00	0.00		
8	0.00	0.00	2.45	2.90	38.80	18.80	16.80	1.55	0.00	0.00	0.00		
9	0.00	0.00	2.15	13.80	13.60	15.80	22.70	1.45	0.00	0.00	0.00		
10	0.00	0.00	1.75	12.80	16.00	13.80	28.10	1.75	0.00	0.00	0.00		
11	0.00	0.00	1.75	5.90	17.00	11.20	22.70	1.45	0.00	0.00	0.00		
12	0.00	0.00	1.35	9.80	42.80	9.40	14.40	1.30	0.00	0.00	0.00		
13	0.00	0.00	1.35	18.00	24.50	10.60	11.40	1.30	0.00	0.00	0.00		
14	0.00	1.80	1.35	11.20	16.60	13.00	9.40	1.45	0.00	0.00	0.00		
15	0.00	1.80	1.00	26.60	13.40	10.60	7.80	1.30	0.00	0.00	0.00		
16	0.00	1.30	0.70	15.60	13.00	9.60	9.60	1.20	0.00	0.00	0.00		
17	0.00	1.35	0.70	14.00	38.40	14.40	6.70	1.20	0.00	0.00	0.00		
18	0.00	1.45	0.70	10.20	68.80	21.20	5.20	1.20	0.00	0.00	0.00		
19	0.00	1.20	0.95	9.20	28.10	29.90	5.20	1.35	0.00	0.00	0.00		
20	0.00	1.70	0.70	15.80	14.60	27.20	4.80	1.75	0.00	0.00	0.00		
21	0.00	1.65	0.60	40.00	14.60	22.10	4.20	3.60	0.00	0.00	0.00		
22	0.00	2.10	0.70	20.30	48.80	19.40	2.95	1.45	0.00	0.00	0.00		
23	0.00	2.05	0.75	12.20	12.40	42.80	2.45	1.30	0.00	0.00	0.00		
24	0.00	2.85	0.90	12.20	13.80	19.60	2.35	2.05	0.00	0.00	0.00		
25	0.00	2.30	0.80	6.30	13.60	18.80	2.60	4.40	0.00	0.00	0.00		
26	0.00	1.30	0.55	4.70	24.80	17.80	2.35	2.50	0.00	0.00	0.00		
27	0.00	3.20	1.00	3.00	28.70	16.80	2.40	2.45	0.00	0.00	0.00		
28	0.00	11.60	1.00	2.70	18.60	10.40	2.40	2.70	0.00	0.00	0.00		
29	0.00	6.00	0.75	2.50	16.60	22.70	2.30	2.00	0.00	0.00	0.00		
30	0.00	28.10	0.70	2.35	26.00	17.80	2.10	1.75	0.00	0.00	0.00		
31		9.40		2.70	19.40		2.15		0.00	0.00			
Total	0.00	81.15	62.60	300.60	620.25	510.20	378.25	54.30	0.00	0.00	0.00		2007.35 CMSDAY
Mean	0.00	2.62	2.09	9.70	20.01	17.01	12.20	1.81	0.00	0.00	0.00		6.01 CMS
Max	0.00	28.10	21.80	40.00	68.80	42.80	47.60	4.40	0.00	0.00	0.00		68.80 CMS
Min	0.00	0.00	0.55	1.85	2.35	9.00	2.10	1.20	0.00	0.00	0.00		0.00 CMS
Runoff	0.00	7.01	5.41	25.97	53.59	44.08	32.68	4.69	0.00	0.00	0.00		173.44 MCM
Momentary Peak	81.40	CMS, at	27.94 m. (MSL.), at	18.00 Hours, on Sep 23, 2022									
Runoff Yield	56.12	Liters/Second/Square KM.			Momentary Peak Yield	830.61	Liters/Second/Square KM.						

	Ban	Bo Rai	Amphoe	Bo Rai	Changwat	Trat
Drainage Area	92	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+16.570	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+25.570 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2010 to date					
Rating Operation						
Period of Rating	2010 to date					
Rated by Float	-					
Rated by Current Meter	2010 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 30 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023														
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	21.90	21.91	19.95	20.46	20.42	20.16	21.00	21.97	21.94	21.91	21.89	21.87	
	2	21.90	22.02	19.98	20.39	20.08	20.35	20.62	21.97	21.94	21.91	21.89	21.86	
	3	21.90	21.96	20.10	20.54	20.06	20.20	20.55	21.97	21.94	21.91	21.90	21.86	
	4	21.90	21.94	20.31	20.89	20.09	20.36	20.51	21.96	21.93	21.91	21.92	21.85	
	5	21.90	21.93	20.16	20.79	20.40	20.37	20.38	21.96	21.93	21.91	21.92	21.83	
	6	21.90	22.00	20.08	20.61	20.93	20.36	20.31	21.96	21.93	21.91	21.91	21.81	
	7	21.90	21.99	20.00	21.96	22.58	21.28	20.29	21.96	21.93	21.91	21.90	21.80	
	8	21.90	21.97	19.91	21.03	22.50	20.70	20.47	21.95	21.93	21.90	21.90	21.79	
	9	21.90	21.94	19.87	20.61	21.11	20.50	20.35	21.95	21.93	21.91	21.92	21.77	
	10	21.90	21.94	19.85	20.39	20.96	20.97	20.25	21.95	21.93	21.90	21.92	21.75	
	11	21.90	21.93	19.85	20.86	21.06	20.60	20.33	21.95	21.92	21.91	21.91	21.73	
	12	21.90	21.98	19.91	21.02	21.52	20.48	20.14	21.95	21.92	21.94	21.91	21.72	
	13	21.90	21.98	19.91	20.61	21.04	20.41	20.08	21.95	21.92	21.92	21.90	21.74	
	14	21.90	21.98	19.91	20.76	20.59	20.39	20.04	21.95	21.92	21.91	21.90	21.74	
	15	21.90	21.96	19.92	21.24	20.17	20.44	20.01	21.95	21.92	21.91	21.90	21.76	
	16	21.90	21.97	19.92	20.67	20.16	20.55	19.99	21.94	21.92	21.91	21.90	21.80	
	17	21.90	21.98	19.93	20.69	20.58	21.55	19.97	21.94	21.92	21.90	21.89	21.83	
	18	21.90	21.96	19.94	20.90	20.53	22.89	19.95	21.94	21.91	21.90	21.89	21.85	
	19	21.90	20.73	19.96	20.89	20.36	21.29	19.93	21.95	21.91	21.90	21.89	21.86	
	20	21.90	20.04	19.98	20.71	20.32	21.03	19.91	21.95	21.91	21.90	21.89	21.87	
	21	21.90	20.20	19.98	20.64	20.58	20.75	19.90	21.96	21.91	21.90	21.89	21.88	
	22	21.90	20.26	20.00	20.71	20.86	20.60	19.90	21.94	21.91	21.90	21.89	21.88	
	23	21.90	20.09	20.12	20.69	20.90	20.47	19.89	21.96	21.91	21.90	21.89	21.87	
	24	21.90	19.94	20.01	20.42	20.71	20.52	19.87	21.99	21.91	21.90	21.89	21.86	
	25	21.90	19.90	19.98	20.28	20.26	20.69	19.85	21.98	21.91	21.89	21.89	21.86	
	26	21.90	19.85	19.97	20.22	20.35	20.47	20.62	21.96	21.91	21.89	21.89	21.86	
	27	21.90	19.83	19.97	20.17	20.35	20.41	21.99	21.97	21.91	21.89	21.88	21.86	
	28	21.90	20.03	19.94	20.19	20.32	20.44	21.99	21.97	21.91	21.89	21.88	21.87	
	29	21.91	20.10	19.97	20.34	20.27	20.84	21.98	21.96	21.91	21.89		21.94	
	30	21.94	20.10	20.06	20.25	20.20	22.72	21.97	21.95	21.91	21.89		21.95	
31		20.00		20.25	20.36		21.97		21.91	21.89		21.92		
Mean	21.90	21.17	19.98	20.65	20.67	20.76	20.48	21.96	21.92	21.90	21.90	21.83		
Max	21.94	22.02	20.31	21.96	22.58	22.89	21.99	21.99	21.94	21.94	21.92	21.95	22.89	
Min	21.90	19.83	19.85	20.17	20.06	20.16	19.85	21.94	21.91	21.89	21.88	21.72	19.83	
Annual Max Momentary Gage Height			23.89	m. (MSL.) ,			at 12.00 Hours, on Sep 30, 2022							
Zero Gage at Bottom Elevation			16.57	m. (MSL.) ,			River Bed	16.57	m. (MSL.)					
Left Bank Elevation			24.69	m. (MSL.) ,										
Right Bank Elevation			24.31	m. (MSL.) ,			Drainage Are	92	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	5.50	15.20	14.40	9.20	26.00	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	5.80	13.80	7.60	13.00	18.40	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	8.00	16.80	7.20	10.00	17.00	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	12.20	23.80	7.80	13.20	16.20	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	9.20	21.80	14.00	13.40	13.60	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	7.60	18.20	24.60	13.20	12.20	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	6.00	54.80	73.40	34.40	11.80	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	5.10	26.90	71.00	20.00	15.40	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	4.70	18.20	29.30	16.00	13.00	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	4.50	13.80	25.20	25.40	11.00	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	4.50	23.20	27.80	18.00	12.60	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	5.10	26.60	41.60	15.60	8.80	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	5.10	18.20	27.20	14.20	7.60	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	5.10	21.20	17.80	13.80	6.80	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	5.20	33.20	9.40	14.80	6.20	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	5.20	19.40	9.20	17.00	5.90	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	5.30	19.80	17.60	42.50	5.70	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	5.40	24.00	16.60	84.60	5.50	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	5.60	23.80	13.20	34.70	5.30	0.00	0.00	0.00	0.00	0.00	
20	0.00	6.80	5.80	20.20	12.40	26.90	5.10	0.00	0.00	0.00	0.00	0.00	
21	0.00	10.00	5.80	18.80	17.60	21.00	5.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	11.20	6.00	20.20	23.20	18.00	5.00	0.00	0.00	0.00	0.00	0.00	
23	0.00	7.80	8.40	19.80	24.00	15.40	4.90	0.00	0.00	0.00	0.00	0.00	
24	0.00	5.40	6.20	14.40	20.20	16.40	4.70	0.00	0.00	0.00	0.00	0.00	
25	0.00	5.00	5.80	11.60	11.20	19.80	4.50	0.00	0.00	0.00	0.00	0.00	
26	0.00	4.50	5.70	10.40	13.00	15.40	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	4.30	5.70	9.40	13.00	14.20	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.00	6.60	5.40	9.80	12.40	14.80	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	8.00	5.70	12.80	11.40	22.80	0.00	0.00	0.00	0.00	0.00	0.00	
30	0.00	8.00	7.20	11.00	10.00	77.80	0.00	0.00	0.00	0.00	0.00	0.00	
31		6.00		11.00	13.20		0.00		0.00	0.00		0.00	
Total	0.00	83.60	182.80	602.10	636.50	685.50	248.20	0.00	0.00	0.00	0.00	0.00	24

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Yai at Ban Khai , Rayong (Z.62)**

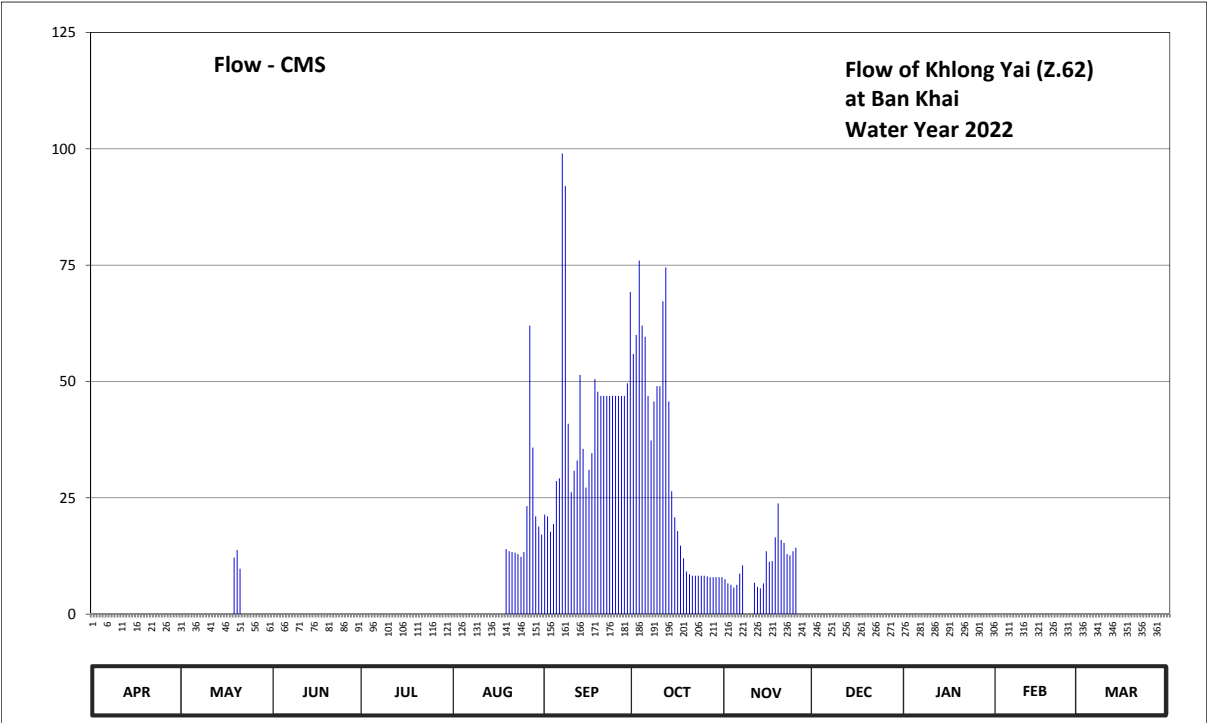
Lat 12 - 47 - 01 N Long 101 - 17 - 45 E

Location : on right bank at the bridge on highway.

	Ban Khai	Amphoe Ban Khai	Changwat Rayong
Drainge Area	1,222 sq.km.		
Type of Gage	Staff gage		
Zero Gage at Bottom	+3.373 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank near the gage site.	Elevation	+11.134 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings		
Period of Available Gage Records	2015 to date		
Rating Operation			
Period of Rating	2015 to date		
Rated by Float	-		
Rated by Current Meter	2015 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records very good. Stage-discharge relation defined by 12 discharge measurements made in 2022.		
Remark	Telemetry system is error during 1 Jul. - 18 Aug., 8-10,26-30 Nov., 1-21 Dec.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.07	6.01	5.95			6.97	8.33	6.10		5.86	5.84	5.91	
2	6.00	6.14	5.97			6.95	8.45	6.04		5.86	5.84	5.90	
3	5.94	6.01	5.99			6.78	8.82	6.02		5.87	5.84	5.90	
4	5.87	5.94	5.99			6.87	8.50	5.98		5.87	5.85	5.90	
5	5.84	5.89	5.99			7.33	8.44	6.02		5.87	5.82	5.86	
6	5.83	5.84	5.99			7.36	8.03	6.18		5.87	5.81	5.84	
7	5.83	5.84	6.00			9.28	7.71	6.30		5.87	5.81	5.83	
8	5.84	5.85	5.98			9.14	7.99			5.87	5.83	5.83	
9	5.86	5.85	5.97			7.83	8.10			5.84	5.84	5.82	
10	5.86	5.89	5.95			7.21	8.10			5.87	5.86	5.82	
11	5.86	6.01	5.95			7.44	8.63	6.05		5.94	5.89	5.81	
12	5.87	6.05	5.95			7.55	8.79	5.99		6.20	5.91	5.79	
13	5.87	6.07	6.03			8.18	7.99	5.97		6.14	5.94	5.80	
14	5.87	6.01	6.15			7.65	7.22	6.04		6.02	5.93	5.82	
15	5.87	5.97	5.94			7.26	6.94	6.50		5.99	5.93	5.80	
16	5.88	6.01	5.86			7.45	6.79	6.35		6.00	5.93	5.79	
17	5.88	6.12	5.88			7.62	6.58	6.36		6.00	5.87	5.80	
18	5.89	6.09	5.94			8.15	6.40	6.70		5.97	5.86	5.80	
19	5.89	6.41	5.94		6.53	8.06	6.21	7.09		5.96	5.90	5.80	
20	5.90	6.52	5.96		6.50	8.03	6.17	6.66		5.96	5.87	5.81	
21	5.93	6.25	6.08		6.49	8.03	6.15	6.62		5.93	5.85	5.80	
22	5.91	6.08	6.12		6.48	8.03	6.15	6.46	5.87	5.88	5.85	5.79	
23	5.89	6.04	6.07		6.46	8.03	6.15	6.44	5.85	5.85	5.84	5.79	
24	5.86	6.01	6.04		6.42	8.03	6.15	6.50	5.84	5.82	5.84	5.80	
25	5.84	5.98	6.01		6.49	8.03	6.15	6.55	5.84	5.81	5.84	5.80	
26	5.83	5.97	6.00		7.06	8.03	6.14		5.85	5.82	5.86	5.80	
27	5.86	5.96	6.00		8.50	8.03	6.13		5.85	5.83	5.88	5.80	
28	5.91	6.00	5.98		7.66	8.03	6.13		5.93	5.84	5.90	5.79	
29	5.94	5.97	5.95		6.95	8.12	6.13		5.94	5.84		5.79	
30	5.95	5.93	5.98		6.84	8.68	6.13		5.88	5.84		5.80	
31		5.91			6.74		6.13		5.89	5.84		5.81	
Mean	5.89	6.02	5.99		6.86	7.81	7.15	6.31	5.87	5.91	5.87	5.82	
Max	6.07	6.52	6.15		8.50	9.28	8.82	7.09	5.94	6.20	5.94	5.91	9.28
Min	5.83	5.84	5.86		6.42	6.78	6.13	5.97	5.84	5.81	5.81	5.79	5.79
Annual Max Momentary Gage Height	9.84		m. (MSL.) ,			at 18.00 Hours, on Sep 7, 2022							
Zero Gage at Bottom Elevation		3.37	m. (MSL.) ,			River Bed 2.91	m. (MSL.)						
Left Bank Elevation		10.60	m. (MSL.) ,										
Right Bank Elevation		10.65	m. (MSL.) ,			Drainage Are 1,222	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00			21.40	55.90	7.50		0.00	0.00	0.00	
2	0.00	0.00	0.00			21.00	60.00	6.60		0.00	0.00	0.00	
3	0.00	0.00	0.00			17.70	76.00	6.30		0.00	0.00	0.00	
4	0.00	0.00	0.00			19.40	62.00	5.70		0.00	0.00	0.00	
5	0.00	0.00	0.00			28.60	59.60	6.30		0.00	0.00	0.00	
6	0.00	0.00	0.00			29.20	46.90	8.70		0.00	0.00	0.00	
7	0.00	0.00	0.00			99.00	37.30	10.50		0.00	0.00	0.00	
8	0.00	0.00	0.00			92.00	45.70			0.00	0.00	0.00	
9	0.00	0.00	0.00			40.90	49.00			0.00	0.00	0.00	
10	0.00	0.00	0.00			26.20	49.00			0.00	0.00	0.00	
11	0.00	0.00	0.00			30.80	67.20	6.75		0.00	0.00	0.00	
12	0.00	0.00	0.00			33.00	74.50	5.85		0.00	0.00	0.00	
13	0.00	0.00	0.00			51.40	45.70	5.55		0.00	0.00	0.00	
14	0.00	0.00	0.00			35.50	26.40	6.60		0.00	0.00	0.00	
15	0.00	0.00	0.00			27.20	20.80	13.50		0.00	0.00	0.00	
16	0.00	0.00	0.00			31.00	17.85	11.25		0.00	0.00	0.00	
17	0.00	0.00	0.00			34.60	14.70	11.40		0.00	0.00	0.00	
18	0.00	0.00	0.00			50.50	12.00	16.50		0.00	0.00	0.00	
19	0.00	12.15	0.00		13.95	47.80	9.15	23.80		0.00	0.00	0.00	
20	0.00	13.80	0.00		13.50	46.90	8.55	15.90		0.00	0.00	0.00	
21	0.00	9.75	0.00		13.35	46.90	8.25	15.30		0.00	0.00	0.00	
22	0.00	0.00	0.00		13.20	46.90	8.25	12.90	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00		12.90	46.90	8.25	12.60	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00		12.30	46.90	8.25	13.50	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00		13.35	46.90	8.25	14.25	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00		23.20	46.90	8.10		0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00		62.00	46.90	7.95		0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00		35.80	46.90	7.95		0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00		21.00	49.60	7.95		0.00	0.00		0.00	
30	0.00	0.00	0.00		18.80	69.20	7.95		0.00	0.00		0.00	
31		0.00			17.10		7.95		0.00	0.00		0.00	
Total	0.00	35.70	0.00		270.45	1278.10	927.35	237.25	0.00	0.00	0.00	0.00	2748.85
Mean	0.00	1.15	0.00		20.80	42.60	29.91	10.78	0.00	0.00	0.00	0.00	9.58
Max	0.00	13.80	0.00		62.00	99.00	76.00	23.80	0.00	0.00	0.00	0.00	99.00
Min	0.00	0.00	0.00		12.30	17.70	7.95	5.55	0.00	0.00	0.00	0.00	0.00
Runoff	0.00	3.08	0.00		23.37	110.43	80.12	20.50	0.00	0.00	0.00	0.00	237.50
Momentary Peak	CMS, at 136.20 CMS, at 9.84 m. (MSL.), at 18.00 Hours, on Sep 7, 2022												
Runoff Yield	6.16	Liters/Second/Square KM.			Momentary Peak Yield		111.46	Liters/Second/Square KM.					

WATER YEAR : 2022**EAST COAST - GULF BASIN****Chanthaburi River at Ban Tha Luang , Chanthaburi (Z.64)**

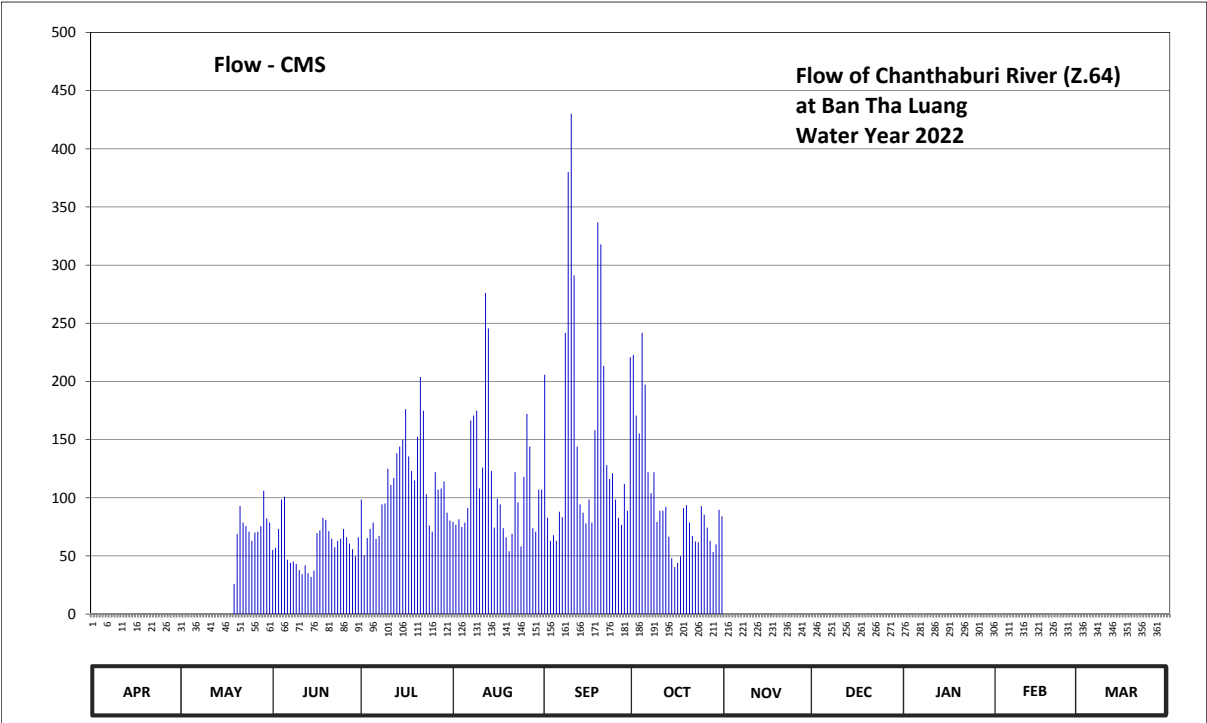
Lat 12 - 39 - 26 N Long 102 - 09 - 16 E

Location : on right bank at the bridge on highway.

	Ban	Tha Luang	Amphoe	Makham	Changwat	Chanthaburi
Drainage Area	982	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+0.000	m. (A.D.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the gage site.				Elevation	+7.000 m. (A.D.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2018 to date					
Rating Operation						
Period of Rating	2018 to date					
Rated by Float	-					
Rated by Current Meter	2018 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 25 discharge measurements made in 2022.					

Gage Height in Meter (A.D.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.82	4.22	3.82	4.48	4.22	5.33	5.42	4.41	4.52	4.26	4.19	4.30	
2	3.78	4.19	3.85	3.74	4.18	4.28	5.09	4.32	4.44	4.25	4.20	4.30	
3	3.68	3.93	4.12	3.99	4.26	3.95	4.98	4.17	4.54	4.25	4.21	4.29	
4	3.61	4.23	4.48	4.12	4.15	4.03	5.52	4.08	4.37	4.25	4.35	4.29	
5	3.52	4.22	4.51	4.21	4.21	3.95	5.28	4.24	4.44	4.28	4.40	4.29	
6	3.41	4.28	3.67	3.98	4.39	4.35	4.72	4.10	4.46	4.27	4.41	4.30	
7	3.54	4.23	3.60	4.02	5.06	4.29	4.54	4.05	4.47	4.30	4.40	4.30	
8	3.65	4.33	3.63	4.43	5.09	5.52	4.72	4.32	4.50	4.29	4.36	4.29	
9	3.73	4.23	3.58	4.44	5.12	6.24	4.22	4.13	4.44	4.25	4.34	4.27	
10	3.79	4.02	3.45	4.75	4.58	6.49	4.36	4.03	4.34	4.24	4.33	4.26	
11	3.84	3.88	3.36	4.61	4.76	5.78	4.36	4.40	4.52	4.25	4.32	4.26	
12	3.87	4.12	3.55	4.67	5.70	4.90	4.40	4.45	4.49	4.29	4.30	4.27	
13	3.90	3.97	3.38	4.86	5.54	4.43	4.01	4.23	4.23	4.35	4.28	4.30	
14	3.94	4.03	3.30	4.90	4.73	4.34	3.70	4.06	4.33	4.31	4.20	4.32	
15	3.98	3.97	3.43	4.94	4.14	4.20	3.51	4.35	4.38	4.29	4.24	4.33	
16	4.00	4.05	4.06	5.13	4.49	4.48	3.60	4.42	4.44	4.17	4.32	4.37	
17	4.03	4.14	4.10	4.84	4.43	4.21	3.73	4.46	4.34	4.23	4.35	4.37	
18	4.10	3.99	4.28	4.73	4.13	5.00	4.39	4.41	4.17	4.25	4.37	4.36	
19	4.17	4.10	4.25	4.65	4.00	6.02	4.42	4.52	4.28	4.24	4.39	4.37	
20	4.21	4.26	4.09	4.96	3.80	5.92	4.21	4.40	4.32	4.22	4.39	4.37	
21	4.28	4.41	3.98	5.32	4.05	5.37	4.02	4.65	4.33	4.21	4.39	4.37	
22	4.39	4.21	3.86	5.12	4.72	4.78	3.94	4.42	4.34	4.22	4.38	4.38	
23	4.62	4.16	3.95	4.53	4.45	4.66	3.93	4.50	4.35	4.24	4.36	4.36	
24	4.69	4.08	3.98	4.17	3.87	4.71	4.41	4.29	4.38	4.22	4.35	4.33	
25	4.36	3.95	4.12	4.08	4.68	4.48	4.32	4.47	4.36	4.20	4.29	4.30	
26	4.18	4.07	4.00	4.72	5.10	4.28	4.14	4.82	4.37	4.17	4.27	4.28	
27	4.11	4.08	3.91	4.57	4.90	4.18	3.95	4.50	4.34	4.14	4.27	4.27	
28	4.08	4.16	3.83	4.58	4.13	4.62	3.79	4.42	4.33	4.15	4.28	4.28	
29	4.25	4.56	3.73	4.64	4.08	4.36	3.90	4.68	4.32	4.17		4.35	
30	4.26	4.27	4.00	4.34	4.57	5.41	4.37	4.57	4.28	4.19		4.49	
31		4.21		4.24	4.57		4.30		4.25	4.20		4.50	
Mean	3.99	4.15	3.86	4.54	4.52	4.82	4.33	4.36	4.38	4.24	4.32	4.33	
Max	4.69	4.56	4.51	5.32	5.70	6.49	5.52	4.82	4.54	4.35	4.41	4.50	6.49
Min	3.41	3.88	3.30	3.74	3.80	3.95	3.51	4.03	4.17	4.14	4.19	4.26	3.30
Annual Max Momentary Gage Height	6.57		m. (A.D.) ,			at 06.00 Hours, on Sep 10, 2022							
Zero Gage at Bottom Elevation	0.00		m. (A.D.) ,			River Bed -2.20	m. (A.D.)						
Left Bank Elevation	7.48		m. (A.D.) ,										
Right Bank Elevation	7.84		m. (A.D.) ,			Drainage Are 982	Square Kilometers						



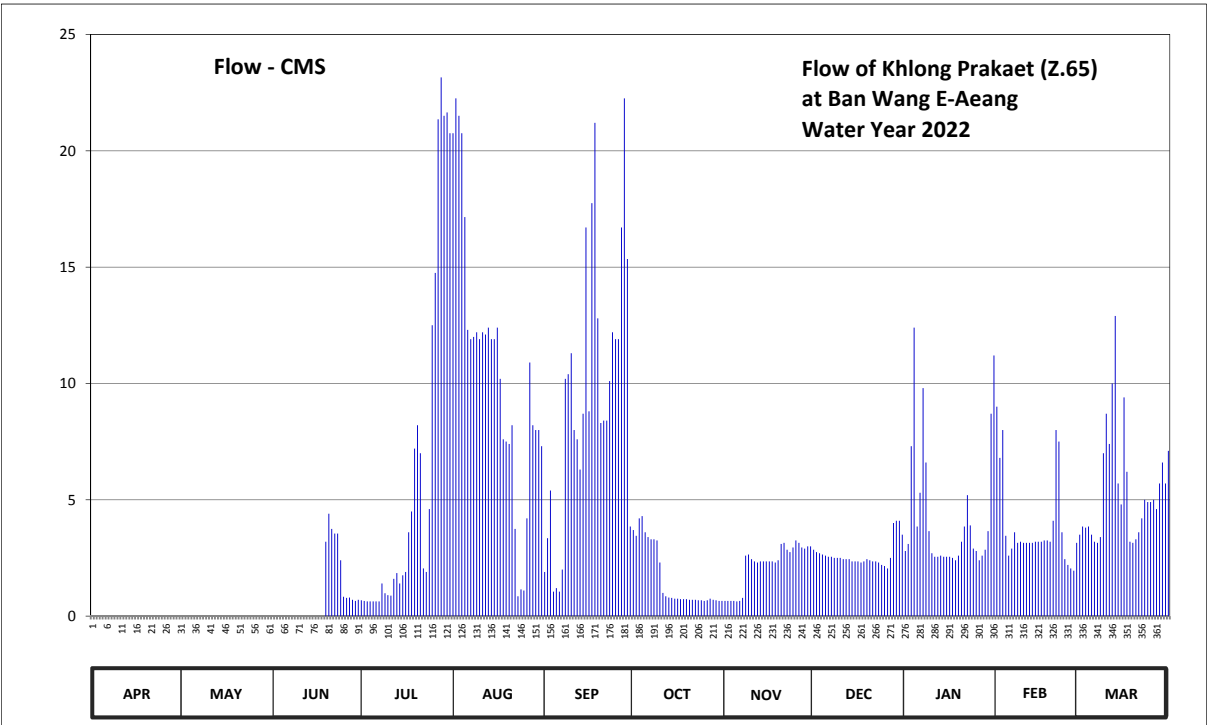
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	55.20	98.40	79.20	205.70	222.80	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	57.00	50.40	76.80	82.80	170.60	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	73.20	65.40	81.60	63.00	155.20	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	98.40	73.20	75.00	67.80	241.80	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	101.00	78.60	78.60	63.00	197.20	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	46.80	64.80	91.20	88.00	122.00	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	44.00	67.20	166.40	83.40	104.00	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	45.20	94.40	170.60	241.80	122.00	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	43.20	95.20	174.80	380.00	79.20	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	38.00	125.00	108.00	430.00	88.80	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	34.40	111.00	126.00	291.20	88.80	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	42.00	117.00	276.00	144.00	92.00	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	35.20	138.40	245.60	94.40	66.60	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	32.00	144.00	123.00	87.20	48.00	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	37.20	149.60	74.40	78.00	40.40	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	69.60	176.20	99.20	98.40	44.00	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	72.00	135.60	94.40	78.60	49.80	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	82.80	123.00	73.80	158.00	91.20	0.00	0.00	0.00	0.00	0.00	
19	0.00	26.00	81.00	115.00	66.00	336.80	93.60	0.00	0.00	0.00	0.00	0.00	
20	0.00	68.80	71.40	152.40	54.00	317.80	78.60	0.00	0.00	0.00	0.00	0.00	
21	0.00	92.80	64.80	203.80	69.00	213.30	67.20	0.00	0.00	0.00	0.00	0.00	
22	0.00	78.60	57.60	174.80	122.00	128.00	62.40	0.00	0.00	0.00	0.00	0.00	
23	0.00	75.60	63.00	103.00	96.00	116.00	61.80	0.00	0.00	0.00	0.00	0.00	
24	0.00	70.80	64.80	76.20	58.20	121.00	92.80	0.00	0.00	0.00	0.00	0.00	
25	0.00	63.00	73.20	70.80	118.00	98.40	85.60	0.00	0.00	0.00	0.00	0.00	
26	0.00	70.20	66.00	122.00	172.00	82.80	74.40	0.00	0.00	0.00	0.00	0.00	
27	0.00	70.80	60.60	107.00	144.00	76.80	63.00	0.00	0.00	0.00	0.00	0.00	
28	0.00	75.60	55.80	108.00	73.80	112.00	53.40	0.00	0.00	0.00	0.00	0.00	
29	0.00	106.00	49.80	114.00	70.80	88.80	60.00	0.00	0.00	0.00	0.00	0.00	
30	0.00	82.20	66.00	87.20	107.00	220.90	89.60	0.00	0.00	0.00		0.00	
31		78.60		80.40	107.00		84.00		0.00	0.00		0.00	
Total	0.00	959.00	1781.20	3422.00	3472.40	4647.90	2990.80	0.00	0.00	0.00	0.00	0.00	17273.30
Mean	0.00	30.94	59.37	110.39	112.01	154.93	96.48	0.00	0.00	0.00	0.00	0.00	47.32
Max	0.00	106.00	101.00	203.80	276.00	430.00	241.80	0.00	0.00	0.00	0.00	0.00	430.00
Min	0.00	0.00	32.00	50.40	54.00	63.00	40.40	0.00	0.00	0.00	0.00	0.00	0.00
Runoff	0.00	82.86	153.90	295.66	300.02	401.58	258.41	0.00	0.00	0.00	0.00	0.00	1492.41
Momentary Peak	447.40	CMS, at 6.57 m. (A.D.), at 06.00 Hours, on Sep 10, 2022											
Runoff Yield	48.19	Liters/Second/Square KM.				Momentary Peak Yield		455.60	Liters/Second/Square KM.				

Lat 12 - 39 - 26 N Long 102 - 09 - 16 E

	Ban	Tha Luang	Amphoe	Kaeng Hang Maeo	Changwat	Chanthaburi
Drainage Area	258	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+42.350	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the gage site.				Elevation	+48.697 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2022 to date					
Rating Operation						
Period of Rating	2022 to date					
Rated by Float	-					
Rated by Current Meter	2022 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 18 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023														
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	43.34	43.33	43.63	42.67	44.85	42.98	43.34	42.66	43.17	43.16	43.90	43.30	
	2	43.34	43.34	43.62	42.66	44.95	43.27	43.29	42.66	43.15	43.22	43.68	43.37	
	3	43.33	43.32	43.63	42.65	44.90	43.54	43.42	42.66	43.14	43.73	43.80	43.36	
	4	43.33	43.32	43.62	42.65	44.85	42.81	43.43	42.66	43.13	44.24	43.29	43.37	
	5	43.33	43.32	43.62	42.65	44.61	42.84	43.32	42.65	43.12	43.37	43.12	43.30	
	6	43.33	43.32	43.62	42.65	44.23	42.81	43.28	42.66	43.11	43.53	43.18	43.24	
	7	43.33	43.33	43.62	42.65	44.19	43.00	43.26	42.71	43.11	43.98	43.32	43.23	
	8	43.33	43.33	43.62	42.88	44.20	44.02	43.26	43.12	43.10	43.66	43.23	43.28	
	9	43.33	43.33	43.62	42.79	44.22	44.04	43.25	43.13	43.10	43.33	43.24	43.70	
	10	43.33	43.32	43.64	42.76	44.19	44.13	43.06	43.09	43.10	43.14	43.23	43.87	
	11	43.33	43.42	43.70	42.75	44.22	43.80	42.80	43.07	43.09	43.11	43.23	43.74	
	12	43.33	43.36	43.64	42.92	44.21	43.76	42.74	43.06	43.09	43.11	43.23	44.00	
	13	43.33	43.33	43.63	42.97	44.24	43.63	42.72	43.07	43.09	43.12	43.23	44.29	
	14	43.33	43.33	43.62	42.88	44.19	43.87	42.71	43.07	43.07	43.11	43.24	43.57	
	15	43.37	43.33	43.62	42.95	44.19	44.58	42.70	43.07	43.07	43.11	43.24	43.48	
	16	43.46	43.33	43.62	42.98	44.24	43.88	42.70	43.07	43.07	43.11	43.24	43.94	
	17	43.46	43.34	43.62	43.32	44.02	44.65	42.69	43.07	43.06	43.10	43.25	43.62	
	18	43.46	43.33	43.40	43.45	43.76	44.88	42.69	43.06	43.07	43.08	43.25	43.24	
	19	43.46	43.32	43.24	43.72	43.75	44.28	42.69	43.08	43.09	43.12	43.24	43.23	
	20	43.46	43.35	43.44	43.82	43.74	43.83	42.68	43.22	43.08	43.24	43.41	43.26	
	21	43.46	43.44	43.35	43.70	43.82	43.84	42.68	43.23	43.07	43.37	43.80	43.32	
	22	43.46	43.45	43.31	43.01	43.35	43.84	42.68	43.17	43.07	43.52	43.75	43.42	
	23	43.46	43.52	43.31	42.98	42.74	44.01	42.67	43.15	43.06	43.38	43.32	43.50	
	24	43.41	43.62	43.08	43.46	42.83	44.22	42.67	43.19	43.04	43.18	43.09	43.49	
	25	43.32	43.62	42.73	44.25	42.82	44.19	42.66	43.25	43.03	43.16	43.04	43.49	
	26	43.32	43.62	42.71	44.45	43.42	44.19	42.67	43.23	43.01	43.08	43.01	43.50	
	27	43.32	43.63	42.72	44.89	44.09	44.58	42.70	43.19	43.10	43.12	42.99	43.46	
	28	43.32	43.64	42.68	45.01	43.82	44.95	42.68	43.18	43.40	43.17	43.23	43.57	
	29	43.32	43.65	42.66	44.90	43.80	44.49	42.67	43.20	43.41	43.33		43.66	
	30	43.32	43.63	42.68	44.91	43.80	43.37	42.66	43.20	43.41	43.87		43.57	
31		43.63		44.85	43.73		42.66		43.30	44.12		43.71		
Mean	43.37	43.42	43.37	43.39	44.00	43.88	42.88	43.03	43.13	43.35	43.31	43.52		
Max	43.46	43.65	43.70	45.01	44.95	44.95	43.43	43.25	43.41	44.24	43.90	44.29	45.01	
Min	43.32	43.32	42.66	42.65	42.74	42.81	42.66	42.65	43.01	43.08	42.99	43.23	42.65	
Annual Max Momentary Gage Height			45.62	m. (MSL.) ,			at 20.00 Hours, on Jul 28, 2022							
Zero Gage at Bottom Elevation			42.35	m. (MSL.) ,			River Bed	42.35	m. (MSL.)					
Left Bank Elevation			46.02	m. (MSL.) ,										
Right Bank Elevation			47.05	m. (MSL.) ,			Drainage Are	258	Square Kilometers					



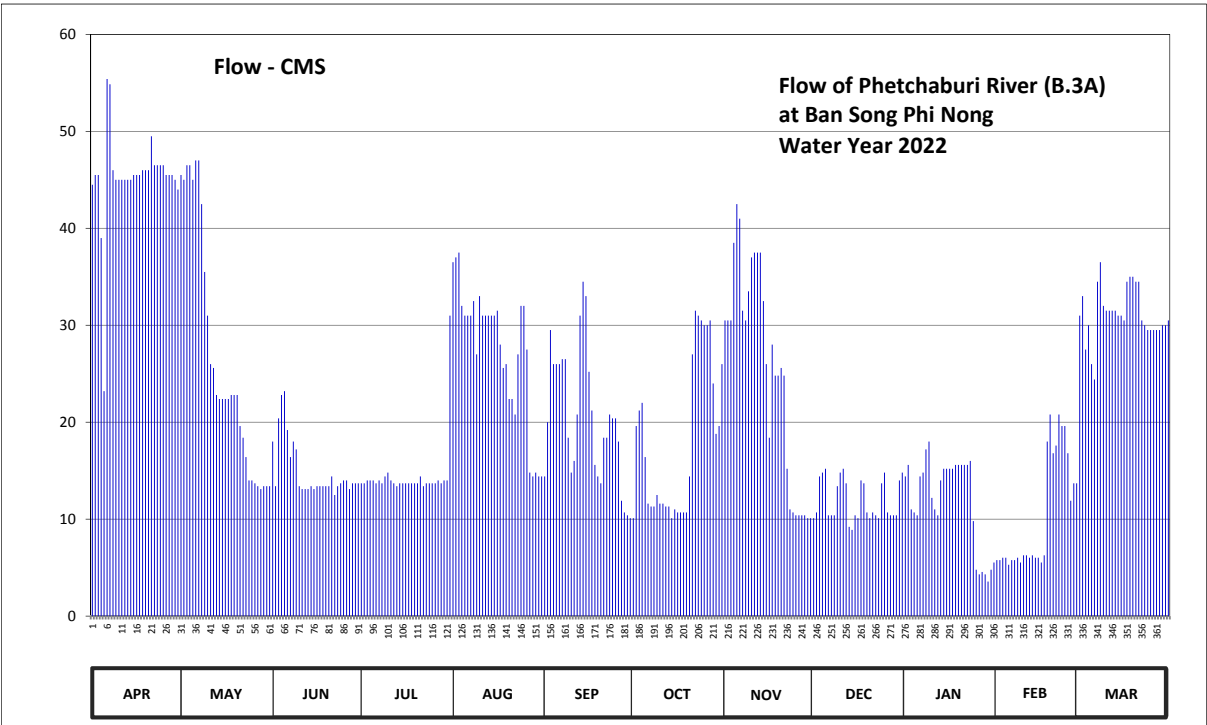
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.68	20.75	1.90	3.70	0.65	2.85	2.80	9.00	3.50	
2	0.00	0.00	0.00	0.65	22.25	3.35	3.45	0.65	2.75	3.10	6.80	3.85	
3	0.00	0.00	0.00	0.63	21.50	5.40	4.20	0.65	2.70	7.30	8.00	3.80	
4	0.00	0.00	0.00	0.63	20.75	1.05	4.30	0.65	2.65	12.40	3.45	3.85	
5	0.00	0.00	0.00	0.63	17.15	1.20	3.60	0.63	2.60	3.85	2.60	3.50	
6	0.00	0.00	0.00	0.63	12.30	1.05	3.40	0.65	2.55	5.30	2.90	3.20	
7	0.00	0.00	0.00	0.63	11.90	2.00	3.30	0.78	2.55	9.80	3.60	3.15	
8	0.00	0.00	0.00	1.40	12.00	10.20	3.30	2.60	2.50	6.60	3.15	3.40	
9	0.00	0.00	0.00	0.98	12.20	10.40	3.25	2.65	2.50	3.65	3.20	7.00	
10	0.00	0.00	0.00	0.90	11.90	11.30	2.30	2.45	2.50	2.70	3.15	8.70	
11	0.00	0.00	0.00	0.88	12.20	8.00	1.00	2.35	2.45	2.55	3.15	7.40	
12	0.00	0.00	0.00	1.60	12.10	7.60	0.85	2.30	2.45	2.55	3.15	10.00	
13	0.00	0.00	0.00	1.85	12.40	6.30	0.80	2.35	2.45	2.60	3.15	12.90	
14	0.00	0.00	0.00	1.40	11.90	8.70	0.78	2.35	2.35	2.55	3.20	5.70	
15	0.00	0.00	0.00	1.75	11.90	16.70	0.75	2.35	2.35	2.55	3.20	4.80	
16	0.00	0.00	0.00	1.90	12.40	8.80	0.75	2.35	2.35	2.55	3.20	9.40	
17	0.00	0.00	0.00	3.60	10.20	17.75	0.73	2.35	2.30	2.50	3.25	6.20	
18	0.00	0.00	0.00	4.50	7.60	21.20	0.73	2.30	2.35	2.40	3.25	3.20	
19	0.00	0.00	3.20	7.20	7.50	12.80	0.73	2.40	2.45	2.60	3.20	3.15	
20	0.00	0.00	4.40	8.20	7.40	8.30	0.70	3.10	2.40	3.20	4.10	3.30	
21	0.00	0.00	3.75	7.00	8.20	8.40	0.70	3.15	2.35	3.85	8.00	3.60	
22	0.00	0.00	3.55	2.05	3.75	8.40	0.70	2.85	2.35	5.20	7.50	4.20	
23	0.00	0.00	3.55	1.90	0.85	10.10	0.68	2.75	2.30	3.90	3.60	5.00	
24	0.00	0.00	2.40	4.60	1.15	12.20	0.68	2.95	2.20	2.90	2.45	4.90	
25	0.00	0.00	0.83	12.50	1.10	11.90	0.65	3.25	2.15	2.80	2.20	4.90	
26	0.00	0.00	0.78	14.75	4.20	11.90	0.68	3.15	2.05	2.40	2.05	5.00	
27	0.00	0.00	0.80	21.35	10.90	16.70	0.75	2.95	2.50	2.60	1.95	4.60	
28	0.00	0.00	0.70	23.15	8.20	22.25	0.70	2.90	4.00	2.85	3.15	5.70	
29	0.00	0.00	0.65	21.50	8.00	15.35	0.68	3.00	4.10	3.65		6.60	
30	0.00	0.00	0.70	21.65	8.00	3.85	0.65	3.00	4.10	8.70		5.70	
31		0.00		20.75	7.30		0.65		3.50	11.20		7.10	
Total	0.00	0.00	25.31	191.84	329.95	285.05	50.14	66.51	81.65	133.60	109.60	167.30	1440.95 CMSDAY
Mean	0.00	0.00	0.84	6.19	10.64	9.50	1.62	2.22	2.63	4.31	3.91	5.40	3.95 CMS
Max	0.00	0.00	4.40	23.15	22.25	22.25	4.30	3.25	4.10	12.40	9.00	12.90	23.15 CMS
Min	0.00	0.00	0.00	0.63	0.85	1.05	0.65	0.63	2.05	2.40	1.95	3.15	0.00 CMS
Runoff	0.00	0.00	2.19	16.57	28.51	24.63	4.33	5.75	7.05	11.54	9.47	14.45	124.50 MCM
Momentary Peak	32.40	CMS, at 45.62 m. (MSL.), at 20.00 Hours, on Jul 28, 2022											
Runoff Yield	15.30	Liters/Second/Square KM.		Momentary Peak Yield		125.58	Liters/Second/Square KM.						

Phetchaburi River at Ban Song Phi Nong , Phetchaburi (B.3A)

Location : on left bank at Ban Song Phi Nong.

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	42.67	42.69	42.10	41.99	42.51	42.01	41.87	42.39	41.87	42.01	41.71	42.40	
2	42.69	42.68	41.98	41.99	42.52	42.15	42.14	42.39	41.89	42.04	41.71	42.44	
3	42.69	42.71	42.16	42.00	42.53	42.37	42.18	42.39	42.01	41.90	41.72	42.33	
4	42.56	42.71	42.22	42.00	42.42	42.30	42.20	42.55	42.02	41.89	41.72	42.38	
5	42.23	42.68	42.23	42.00	42.40	42.30	42.06	42.63	42.03	41.88	41.69	42.30	
6	42.88	42.72	42.13	41.99	42.40	42.30	41.92	42.60	41.88	42.01	41.71	42.26	
7	42.87	42.72	42.06	42.00	42.40	42.31	41.91	42.41	41.88	42.02	41.71	42.47	
8	42.70	42.63	42.10	41.99	42.43	42.31	41.91	42.39	41.88	42.08	41.72	42.51	
9	42.68	42.49	42.08	42.01	42.32	42.11	41.95	42.45	41.98	42.10	41.70	42.42	
10	42.68	42.40	41.98	42.02	42.44	42.02	41.92	42.52	42.02	41.94	41.73	42.41	
11	42.68	42.30	41.97	42.00	42.40	42.05	41.92	42.53	42.03	41.90	41.73	42.41	
12	42.68	42.29	41.97	41.99	42.40	42.17	41.91	42.53	41.99	41.88	41.72	42.41	
13	42.68	42.22	41.97	41.98	42.40	42.40	41.91	42.53	41.84	42.00	41.73	42.41	
14	42.68	42.21	41.98	41.99	42.40	42.47	41.87	42.43	41.83	42.03	41.72	42.40	
15	42.69	42.21	41.97	41.99	42.40	42.44	41.90	42.30	41.88	42.03	41.72	42.40	
16	42.69	42.21	41.98	41.99	42.41	42.28	41.89	42.11	41.87	42.03	41.70	42.39	
17	42.69	42.21	41.98	41.99	42.34	42.18	41.89	42.34	42.00	42.03	41.73	42.47	
18	42.70	42.22	41.98	41.99	42.29	42.04	41.89	42.27	41.99	42.04	42.10	42.48	
19	42.70	42.22	41.98	41.99	42.30	42.01	41.89	42.27	41.89	42.04	42.17	42.48	
20	42.70	42.22	41.98	41.99	42.21	41.99	42.01	42.29	41.87	42.04	42.07	42.47	
21	42.77	42.14	42.01	42.01	42.21	42.11	42.32	42.27	41.89	42.04	42.09	42.47	
22	42.71	42.11	41.95	41.98	42.17	42.11	42.41	42.03	41.88	42.04	42.17	42.39	
23	42.71	42.06	41.98	41.99	42.32	42.17	42.40	41.90	41.87	42.05	42.14	42.38	
24	42.71	42.00	41.99	41.99	42.42	42.16	42.39	41.89	41.99	41.86	42.14	42.37	
25	42.71	42.00	42.00	41.99	42.42	42.16	42.38	41.88	42.02	41.67	42.07	42.37	
26	42.69	41.99	42.00	41.99	42.33	42.10	42.38	41.88	41.89	41.65	41.93	42.37	
27	42.69	41.98	41.97	42.00	42.02	41.93	42.39	41.88	41.88	41.66	41.99	42.37	
28	42.69	41.97	41.99	41.99	42.01	41.89	42.25	41.88	41.88	41.65	41.99	42.37	
29	42.68	41.98	41.99	42.00	42.02	41.88	42.12	41.87	41.88	41.62		42.38	
30	42.66	41.98	41.99	42.00	42.01	41.87	42.14	41.87	42.00	41.67		42.38	
31		41.98		42.40	42.01		42.30		42.02	41.70		42.39	
Mean	42.69	42.29	42.02	42.01	42.32	42.15	42.08	42.26	41.93	41.92	41.86	42.40	
Max	42.88	42.72	42.23	42.40	42.53	42.47	42.41	42.63	42.03	42.10	42.17	42.51	42.88
Min	42.23	41.97	41.95	41.98	42.01	41.87	41.87	41.87	41.83	41.62	41.69	42.26	41.62
Annual Max Momentary Gage Height	43.12		m. (MSL) , at 16.00 Hours , on Apr 21, 2022										
Zero Gage at Bottom Elevation	41.00		m. (MSL) , River Bed 40.53 m. (MSL.)										
Left Bank Elevation	48.68		m. (MSL) ,										
Right Bank Elevation	48.34		m. (MSL) , Drainage Are 2.226 Square Kilometers										



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	44.50	45.50	18.00	13.70	36.50	14.40	10.10	30.50	10.10	14.40	5.78	31.00	
2	45.50	45.00	13.40	13.70	37.00	20.00	19.60	30.50	10.70	15.60	5.78	33.00	
3	45.50	46.50	20.40	14.00	37.50	29.50	21.20	30.50	14.40	11.00	6.03	27.50	
4	39.00	46.50	22.80	14.00	32.00	26.00	22.00	38.50	14.80	10.70	6.03	30.00	
5	23.20	45.00	23.20	14.00	31.00	26.00	16.40	42.50	15.20	10.40	5.29	26.00	
6	55.40	47.00	19.20	13.70	31.00	26.00	11.60	41.00	10.40	14.40	5.78	24.40	
7	54.85	47.00	16.40	14.00	31.00	26.50	11.30	31.50	10.40	14.80	5.78	34.50	
8	46.00	42.50	18.00	13.70	32.50	26.50	11.30	30.50	10.40	17.20	6.03	36.50	
9	45.00	35.50	17.20	14.40	27.00	18.40	12.50	33.50	13.40	18.00	5.53	32.00	
10	45.00	31.00	13.40	14.80	33.00	14.80	11.60	37.00	14.80	12.20	6.27	31.50	
11	45.00	26.00	13.10	14.00	31.00	16.00	11.60	37.50	15.20	11.00	6.27	31.50	
12	45.00	25.60	13.10	13.70	31.00	20.80	11.30	37.50	13.70	10.40	6.03	31.50	
13	45.00	22.80	13.10	13.40	31.00	31.00	11.30	37.50	9.20	14.00	6.27	31.50	
14	45.00	22.40	13.40	13.70	31.00	34.50	10.10	32.50	8.90	15.20	6.03	31.00	
15	45.50	22.40	13.10	13.70	31.00	33.00	11.00	26.00	10.40	15.20	6.03	31.00	
16	45.50	22.40	13.40	13.70	31.50	25.20	10.70	18.40	10.10	15.20	5.53	30.50	
17	45.50	22.40	13.40	13.70	28.00	21.20	10.70	28.00	14.00	15.20	6.27	34.50	
18	46.00	22.80	13.40	13.70	25.60	15.60	10.70	24.80	13.70	15.60	18.00	35.00	
19	46.00	22.80	13.40	13.70	26.00	14.40	10.70	24.80	10.70	15.60	20.80	35.00	
20	46.00	22.80	13.40	13.70	22.40	13.70	14.40	25.60	10.10	15.60	16.80	34.50	
21	49.50	19.60	14.40	14.40	22.40	18.40	27.00	24.80	10.70	15.60	17.60	34.50	
22	46.50	18.40	12.50	13.40	20.80	18.40	31.50	15.20	10.40	15.60	20.80	30.50	
23	46.50	16.40	13.40	13.70	27.00	20.80	31.00	11.00	10.10	16.00	19.60	30.00	
24	46.50	14.00	13.70	13.70	32.00	20.40	30.50	10.70	13.70	9.80	19.60	29.50	
25	46.50	14.00	14.00	13.70	32.00	20.40	30.00	10.40	14.80	4.79	16.80	29.50	
26	45.50	13.70	14.00	13.70	27.50	18.00	30.00	10.40	10.70	4.30	11.90	29.50	
27	45.50	13.40	13.10	14.00	14.80	11.90	30.50	10.40	10.40	4.55	13.70	29.50	
28	45.50	13.10	13.70	13.70	14.40	10.70	24.00	10.40	10.40	4.30	13.70	29.50	
29	45.00	13.40	13.70	14.00	14.80	10.40	18.80	10.10	10.40	3.56		30.00	
30	44.00	13.40	13.70	14.00	14.40	10.10	19.60	10.10	14.00	4.79		30.00	
31		13.40		31.00	14.40		26.00		14.80	5.53		30.50	
Total	1359.45	826.70	451.00	446.30	851.50	613.00	559.00	762.10	371.00	370.52	290.03	965.40	7866.00 CMSDAY
Mean	45.32	26.67	15.03	14.40	27.47	20.43	18.03	25.40	11.97	11.95	10.36	31.14	21.55 CMS
Max	55.40	47.00	23.20	31.00	37.50	34.50	31.50	42.50	15.20	18.00	20.80	36.50	55.40 CMS
Min	23.20	13.10	12.50	13.40	14.40	10.10	10.10	8.90	3.56	5.29	24.40		3.56 CMS
Runoff	117.46	71.43	38.97	38.56	73.57	52.96	48.30	65.85	32.05	32.01	25.06	83.41	679.62 MCM
Momentary Peak	68.60 CMS. at 43.12 m. (MSL.) at 16.00 Hours , on Apr 21, 2022												
Runoff Yield	9.68	Liters/Second/Square KM.			Momentary Peak Yield			30.82	Liters/Second/Square KM.				

WATER YEAR : 2022**PHETCHABURI - PRACHUAP KHIRI KHAN****Huai Mae Prachan at at Saphan Tha Kewiyn (Ban Wang Chan) , Phetchaburi (B.6A)**

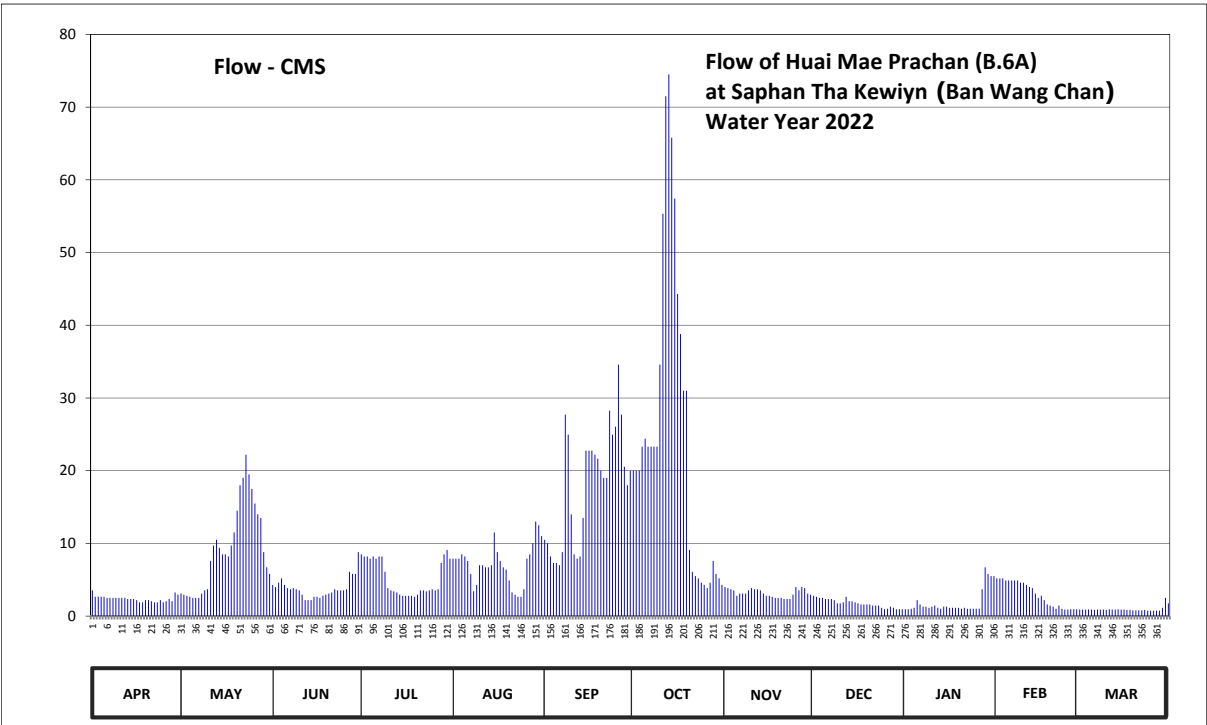
Lat 12 - 57 - 50 N Long 99 - 45 - 52 E

Location : on left bank about 250 meters upstream from the bridge of Khuan Phet - Kaeng Krachan Reservoir Road.

	Ban	Saphan Tha Kewiyn(Ban Wang Chan)	Amphoe	Kaeng Krachan	Changwat	Phetchaburi
Drainge Area	969	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+26.800	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the automatic gage buiding.			Elevation	+37.402 m. (MSL.)	
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2017 to date					
Rating Operation						
Period of Rating	2017 to date					
Rated by Float	-					
Rated by Current Meter	2017 to date					
Stability of Channel Regimes	Rather unstable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 39 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	27.17	27.14	27.21	27.35	27.33	27.41	27.60	27.20	27.12	26.99	27.24	26.98	
2	27.11	27.13	27.20	27.34	27.33	27.40	27.60	27.19	27.11	26.99	27.24	26.98	
3	27.11	27.12	27.22	27.34	27.33	27.34	27.60	27.18	27.10	27.00	27.24	26.98	
4	27.11	27.11	27.24	27.33	27.35	27.31	27.66	27.17	27.10	27.01	27.23	26.98	
5	27.11	27.10	27.21	27.34	27.34	27.31	27.68	27.12	27.09	27.08	27.23	26.98	
6	27.10	27.10	27.19	27.33	27.32	27.30	27.66	27.14	27.09	27.04	27.23	26.97	
7	27.10	27.10	27.18	27.34	27.26	27.36	27.66	27.14	27.09	27.02	27.23	26.98	
8	27.10	27.14	27.19	27.34	27.16	27.74	27.66	27.14	27.08	27.02	27.23	26.98	
9	27.10	27.17	27.18	27.27	27.21	27.69	27.66	27.17	27.05	27.01	27.22	26.98	
10	27.10	27.18	27.17	27.19	27.30	27.48	27.86	27.19	27.05	27.02	27.22	26.97	
11	27.10	27.32	27.13	27.17	27.30	27.35	28.19	27.18	27.06	27.03	27.21	26.99	
12	27.10	27.39	27.08	27.16	27.29	27.33	28.42	27.18	27.11	27.01	27.20	26.98	
13	27.09	27.41	27.08	27.15	27.29	27.34	28.46	27.17	27.07	27.00	27.19	26.98	
14	27.09	27.38	27.08	27.13	27.30	27.47	28.34	27.14	27.07	27.02	27.14	26.99	
15	27.09	27.35	27.11	27.12	27.43	27.65	28.22	27.12	27.06	27.02	27.10	26.98	
16	27.08	27.35	27.11	27.12	27.36	27.65	28.02	27.12	27.05	27.01	27.12	26.98	
17	27.06	27.34	27.10	27.12	27.32	27.65	27.93	27.11	27.04	27.01	27.08	26.97	
18	27.06	27.39	27.12	27.12	27.29	27.64	27.80	27.10	27.04	27.01	27.04	26.97	
19	27.08	27.43	27.13	27.11	27.28	27.63	27.80	27.10	27.04	27.01	27.03	26.96	
20	27.08	27.49	27.14	27.13	27.23	27.60	27.37	27.10	27.04	27.00	27.02	26.96	
21	27.07	27.56	27.15	27.17	27.15	27.58	27.27	27.09	27.03	27.01	27.00	26.96	
22	27.06	27.58	27.18	27.17	27.13	27.58	27.25	27.09	27.03	27.00	27.03	26.96	
23	27.06	27.64	27.17	27.16	27.11	27.75	27.24	27.09	27.03	27.00	27.00	26.97	
24	27.08	27.59	27.17	27.17	27.11	27.69	27.22	27.13	27.01	27.00	26.98	26.95	
25	27.06	27.55	27.17	27.18	27.18	27.71	27.21	27.20	26.99	27.00	26.98	26.95	
26	27.07	27.51	27.18	27.17	27.33	27.86	27.19	27.17	27.00	27.00	26.99	26.95	
27	27.09	27.48	27.27	27.18	27.35	27.74	27.22	27.20	27.02	27.18	26.99	26.95	
28	27.07	27.47	27.26	27.31	27.40	27.61	27.32	27.19	27.01	27.29	26.99	26.95	
29	27.15	27.36	27.26	27.35	27.46	27.56	27.26	27.14	26.99	27.26		27.01	
30	27.13	27.29	27.36	27.37	27.45	27.60	27.24	27.13	26.99	27.25		27.10	
31		27.26		27.33	27.42		27.21		26.99	27.25		27.05	
Mean	27.09	27.34	27.17	27.23	27.29	27.54	27.64	27.15	27.05	27.05	27.12	26.98	
Max	27.17	27.64	27.36	27.37	27.46	27.86	28.46	27.20	27.12	27.29	27.24	27.10	28.46
Min	27.06	27.10	27.08	27.11	27.11	27.30	27.19	27.09	26.99	26.99	26.98	26.95	26.95
Annual Max Momentary Gage Height	28.49		m. (MSL.) ,				at 08.00 Hours , on Oct 13, 2022						
Zero Gage at Bottom Elevation		26.80	m. (MSL.) ,			River Bed	26.01	m. (MSL.)					
Left Bank Elevation		37.24	m. (MSL.) ,										
Right Bank Elevation		37.20	m. (MSL.) ,			Drainage Are	969	Square Kilometers					

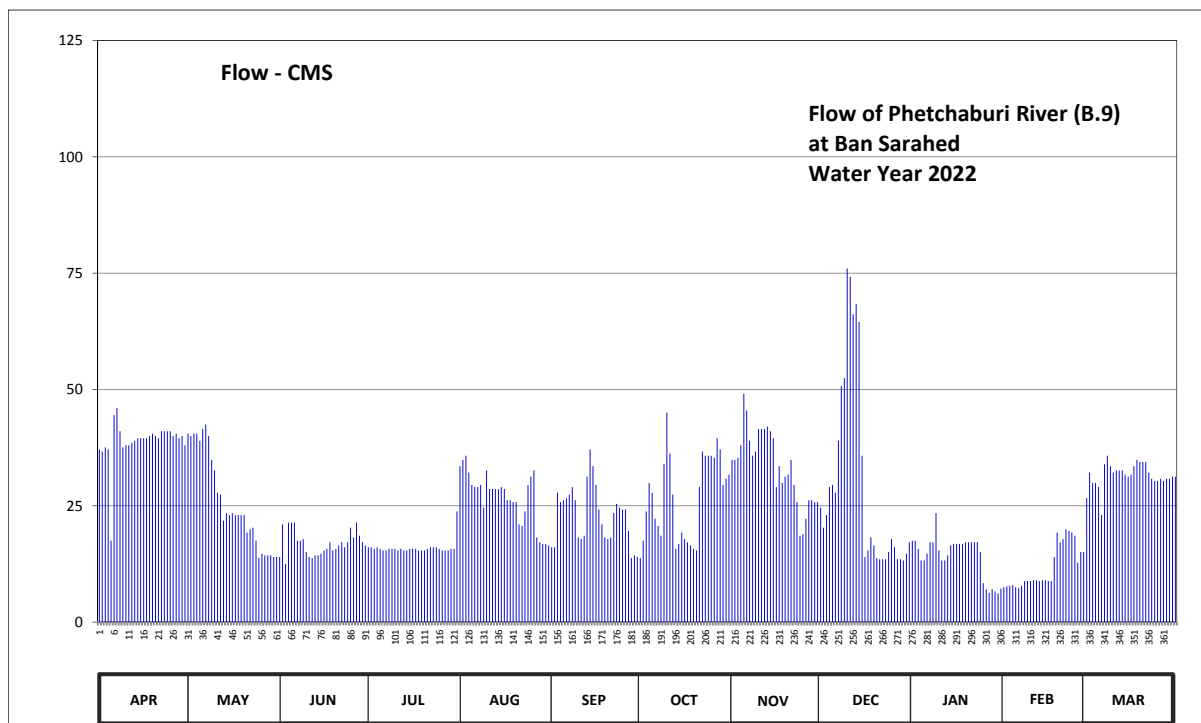


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.55	3.10	4.30	8.50	7.90	10.50	20.00	4.00	2.80	0.95	5.20	0.90	
2	2.65	2.95	4.00	8.20	7.90	10.00	20.00	3.85	2.65	0.95	5.20	0.90	
3	2.65	2.80	4.60	8.20	7.90	8.20	20.00	3.70	2.50	1.00	5.20	0.90	
4	2.65	2.65	5.20	7.90	8.50	7.30	23.30	3.55	2.50	1.15	4.90	0.90	
5	2.65	2.50	4.30	8.20	8.20	7.30	24.40	2.80	2.35	2.20	4.90	0.90	
6	2.50	2.50	3.85	7.90	7.60	7.00	23.30	3.10	2.35	1.60	4.90	0.85	
7	2.50	2.50	3.70	8.20	5.80	8.80	23.30	3.10	2.35	1.30	4.90	0.90	
8	2.50	3.10	3.85	8.20	3.40	27.70	23.30	3.10	2.20	1.30	4.90	0.90	
9	2.50	3.55	3.70	6.10	4.30	24.95	23.30	3.55	1.75	1.15	4.60	0.90	
10	2.50	3.70	3.55	3.85	7.00	14.00	34.60	3.85	1.75	1.30	4.60	0.85	
11	2.50	7.60	2.95	3.55	7.00	8.50	55.35	3.70	1.90	1.45	4.30	0.95	
12	2.50	9.70	2.20	3.40	6.70	7.90	71.50	3.70	2.65	1.15	4.00	0.90	
13	2.35	10.50	2.20	3.25	6.70	8.20	74.50	3.55	2.05	1.00	3.85	0.90	
14	2.35	9.40	2.20	2.95	7.00	13.50	65.80	3.10	2.05	1.30	3.10	0.95	
15	2.35	8.50	2.65	2.80	11.50	22.75	57.40	2.80	1.90	1.30	2.50	0.90	
16	2.20	8.50	2.65	2.80	8.80	22.75	44.30	2.80	1.75	1.15	2.80	0.90	
17	1.90	8.20	2.50	2.80	7.60	22.75	38.80	2.65	1.60	1.15	2.20	0.85	
18	1.90	9.70	2.80	2.80	6.70	22.20	31.00	2.50	1.60	1.15	1.60	0.85	
19	2.20	11.50	2.95	2.65	6.40	21.65	31.00	2.50	1.60	1.15	1.45	0.80	
20	2.20	14.50	3.10	2.95	4.90	20.00	9.10	2.50	1.60	1.00	1.30	0.80	
21	2.05	18.00	3.25	3.55	3.25	19.00	6.10	2.35	1.45	1.15	1.00	0.80	
22	1.90	19.00	3.70	3.55	2.95	19.00	5.50	2.35	1.45	1.00	1.45	0.80	
23	1.90	22.20	3.55	3.40	2.65	28.25	5.20	2.35	1.45	1.00	1.00	0.85	
24	2.20	19.50	3.55	3.55	2.65	24.95	4.60	2.95	1.15	1.00	0.90	0.75	
25	1.90	17.50	3.55	3.70	3.70	26.05	4.30	4.00	0.95	1.00	0.90	0.75	
26	2.05	15.50	3.70	3.55	7.90	34.60	3.85	3.55	1.00	1.00	0.95	0.75	
27	2.35	14.00	6.10	3.70	8.50	27.70	4.60	4.00	1.30	3.70	0.95	0.75	
28	2.05	13.50	5.80	7.30	10.00	20.55	7.60	3.85	1.15	6.70	0.95	0.75	
29	3.25	8.80	5.80	8.50	13.00	18.00	5.80	3.10	0.95	5.80		1.15	
30	2.95	6.70	8.80	9.10	12.50	20.00	5.20	2.95	0.95	5.50		2.50	
31		5.80		7.90	11.00		4.30		0.95	5.50		1.75	
Total	71.70	287.95	115.05	163.00	219.90	534.05	771.30	95.85	54.65	58.05	84.50	29.30	2485.30 CMSDAY
Mean	2.39	9.29	3.83	5.26	7.09	17.80	24.88	3.19	1.76	1.87	3.02	0.95	6.81 CMS
Max	3.55	22.20	8.80	9.10	13.00	34.60	74.50	4.00	2.80	6.70	5.20	2.50	74.50 CMS
Min	1.90	2.50	2.20	2.65	2.65	7.00	3.85	2.35	0.95	0.95	0.90	0.75	0.75 CMS
Runoff	6.19	24.88	9.94	14.08	19.00	46.14	66.64	8.28	4.72	5.02	7.30	2.53	214.73 MCM
Momentary Peak	76.75 CMS. at 28.49 m. (MSL.) at 08.00 Hours , on Oct 13, 2022												
Runoff Yield	7.03	Liters/Second/Square KM.			Momentary Peak Yield			79.21	Liters/Second/Square KM.				

Lat 12 - 48 - 22 N Long 99 - 46 - 13 E

	Ban	Sarahed	Amphoe	Tha Yang	Changwat	Phetchaburi
Drainage Area	2,602	sq.km.				
Type of Gage	Water	- stage recorder				
Zero Gage at Bottom	+25.200	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the automatic gage building.				Elevation	+32.653 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2003 to date					
Rating Operation						
Period of Rating	2003 to date					
Rated by Float	-					
Rated by Current Meter	2003 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 24 discharge measurements made in 2022.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	27.98	28.05	27.40	27.46	27.90	27.46	27.39	27.93	27.69	27.50	27.10	27.74	
2	27.97	28.04	27.60	27.46	27.93	27.46	27.50	27.93	27.58	27.50	27.11	27.87	
3	27.99	28.05	27.34	27.45	27.95	27.77	27.67	27.94	27.65	27.45	27.12	27.82	
4	27.98	28.05	27.61	27.46	27.87	27.72	27.82	28.00	27.80	27.37	27.13	27.82	
5	27.50	28.02	27.61	27.45	27.81	27.73	27.77	28.22	27.81	27.37	27.10	27.80	
6	28.13	28.07	27.61	27.44	27.80	27.74	27.63	28.15	27.77	27.42	27.09	27.65	
7	28.16	28.09	27.50	27.44	27.80	27.76	27.59	28.02	28.02	27.49	27.12	27.91	
8	28.06	28.04	27.50	27.45	27.81	27.80	27.53	27.95	28.25	27.49	27.19	27.95	
9	27.99	27.93	27.51	27.45	27.69	27.73	27.91	27.97	28.28	27.66	27.19	27.90	
10	28.00	27.88	27.43	27.45	27.88	27.52	28.14	28.07	28.70	27.44	27.19	27.87	
11	28.00	27.77	27.40	27.44	27.79	27.51	27.96	28.07	28.67	27.37	27.20	27.88	
12	28.01	27.76	27.39	27.45	27.79	27.53	27.76	28.07	28.53	27.37	27.20	27.88	
13	28.02	27.62	27.41	27.44	27.79	27.85	27.45	28.08	28.57	27.41	27.19	27.88	
14	28.03	27.66	27.41	27.44	27.79	27.98	27.48	28.06	28.50	27.47	27.20	27.86	
15	28.03	27.65	27.42	27.45	27.80	27.90	27.55	28.03	27.95	27.48	27.20	27.85	
16	28.03	27.66	27.44	27.45	27.79	27.81	27.51	27.80	27.40	27.48	27.19	27.86	
17	28.03	27.65	27.45	27.45	27.73	27.68	27.49	27.90	27.44	27.48	27.19	27.90	
18	28.04	27.65	27.49	27.44	27.73	27.60	27.47	27.82	27.52	27.48	27.40	27.93	
19	28.05	27.65	27.44	27.44	27.72	27.52	27.45	27.85	27.47	27.49	27.55	27.92	
20	28.04	27.65	27.45	27.44	27.72	27.51	27.44	27.86	27.39	27.49	27.49	27.92	
21	28.03	27.55	27.47	27.45	27.60	27.52	27.80	27.93	27.38	27.49	27.51	27.92	
22	28.06	27.57	27.49	27.46	27.59	27.66	27.97	27.81	27.38	27.49	27.57	27.87	
23	28.06	27.58	27.46	27.46	27.67	27.71	27.95	27.72	27.38	27.49	27.56	27.84	
24	28.06	27.50	27.49	27.46	27.81	27.69	27.95	27.53	27.43	27.43	27.55	27.83	
25	28.06	27.39	27.58	27.45	27.85	27.68	27.95	27.54	27.51	27.16	27.53	27.83	
26	28.04	27.42	27.52	27.44	27.88	27.68	27.94	27.63	27.46	27.07	27.35	27.84	
27	28.05	27.41	27.61	27.44	27.52	27.56	28.03	27.73	27.38	27.02	27.43	27.83	
28	28.03	27.41	27.53	27.44	27.49	27.39	27.98	27.73	27.38	27.07	27.43	27.84	
29	28.04	27.41	27.49	27.45	27.48	27.41	27.81	27.72	27.37	27.04		27.84	
30	28.00	27.40	27.47	27.45	27.48	27.40	27.84	27.72	27.42	27.01</			



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	37.10	40.50	14.00	16.10	33.50	16.10	13.75	34.85	24.60	17.50	7.50	26.60	
2	36.65	40.00	21.00	16.10	34.85	16.10	17.50	34.85	20.30	17.50	7.65	32.15	
3	37.55	40.50	12.50	15.75	35.75	27.80	23.80	35.30	23.00	15.75	7.80	29.90	
4	37.10	40.50	21.40	16.10	32.15	25.80	29.90	38.00	29.00	13.25	7.95	29.90	
5	17.50	39.00	21.40	15.75	29.45	26.20	27.80	49.10	29.45	13.25	7.50	29.00	
6	44.50	41.50	21.40	15.40	29.00	26.60	22.20	45.50	27.80	14.70	7.35	23.00	
7	46.00	42.50	17.50	15.40	29.00	27.40	20.65	39.00	39.00	17.15	7.80	33.95	
8	41.00	40.00	17.50	15.75	29.45	29.00	18.55	35.75	50.75	17.15	8.85	35.75	
9	37.55	34.85	17.85	15.75	24.60	26.20	33.95	36.65	52.40	23.40	8.85	33.50	
10	38.00	32.60	15.05	15.75	32.60	18.20	45.00	41.50	76.00	15.40	8.85	32.15	
11	38.00	27.80	14.00	15.40	28.60	17.85	36.20	41.50	74.20	13.25	9.00	32.60	
12	38.50	27.40	13.75	15.75	28.60	18.55	27.40	41.50	66.15	13.25	9.00	32.60	
13	39.00	21.80	14.35	15.40	28.60	31.25	15.75	42.00	68.35	14.35	8.85	32.60	
14	39.50	23.40	14.35	15.40	28.60	37.10	16.80	41.00	64.50	16.45	9.00	31.70	
15	39.50	23.00	14.70	15.75	29.00	33.50	19.25	39.50	35.75	16.80	9.00	31.25	
16	39.50	23.40	15.40	15.75	28.60	29.45	17.85	29.00	14.00	16.80	8.85	31.70	
17	39.50	23.00	15.75	15.75	26.20	24.20	17.15	33.50	15.40	16.80	8.85	33.50	
18	40.00	23.00	17.15	15.40	26.20	21.00	16.45	29.90	18.20	16.80	14.00	34.85	
19	40.50	23.00	15.40	15.40	25.80	18.20	15.75	31.25	16.45	17.15	19.25	34.40	
20	40.00	23.00	15.75	15.40	25.80	17.85	15.40	31.70	13.75	17.15	17.15	34.40	
21	39.50	19.25	16.45	15.75	21.00	18.20	29.00	34.85	13.50	17.15	17.85	34.40	
22	41.00	19.95	17.15	16.10	20.65	23.40	36.65	29.45	13.50	17.15	19.95	32.15	
23	41.00	20.30	16.10	16.10	23.80	25.40	35.75	25.80	13.50	17.15	19.60	30.80	
24	41.00	17.50	17.15	16.10	29.45	24.60	35.75	18.55	15.05	15.05	19.25	30.35	
25	41.00	13.75	20.30	15.75	31.25	24.20	35.75	18.90	17.85	8.40	18.55	30.35	
26	40.00	14.70	18.20	15.40	32.60	24.20	35.30	22.20	16.10	7.05	12.75	30.80	
27	40.50	14.35	21.40	15.40	18.20	19.60	39.50	26.20	13.50	6.30	15.05	30.35	
28	39.50	14.35	18.55	15.40	17.15	13.75	37.10	26.20	13.50	7.05	15.05	30.80	
29	40.00	14.35	17.15	15.75	16.80	14.35	29.45	25.80	13.25	6.60		30.80	
30	38.00	14.00	16.45	15.75	16.80	14.00	30.80	25.80	14.70	6.15		31.25	

WATER YEAR : 2022**PHETCHABURI RIVER BASIN****Phetchaburi River at Ban Tha Yang , Phetchaburi (B.10)**

Lat 12 - 58 - 26 N Long 99 - 53 - 16 E

Location : on left bank at the bridge of Ban Tha Yang.

	Ban	Tha Yang	Amphoe	Tha Yang	Changwat	Phetchaburi
Drainage Area	4,057	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+5.400	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 2 meters from the top staff gage.				Elevation	+16.332 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1983 to date					
Rating Operation						
Period of Rating	1985 to date					
Rated by Float	-					
Rated by Current Meter	1985 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow regulated by Phet Dam.					
	Stage-discharge relation defined by 32 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.00	6.02	5.95	6.50	6.21	6.13	6.23	5.99	5.89	5.82	5.76	5.83	
2	5.96	6.06	5.93	6.46	6.02	6.04	6.13	6.02	5.84	5.86	5.75	6.17	
3	5.94	6.09	6.12	6.41	6.01	5.98	6.16	5.98	5.79	5.88	5.75	6.08	
4	5.98	6.08	5.92	6.37	6.23	6.19	6.53	5.93	5.84	5.90	5.75	5.83	
5	5.95	6.07	6.17	6.36	6.38	6.27	7.82	6.06	5.93	5.86	5.76	5.73	
6	5.77	6.04	6.29	6.34	6.29	6.26	8.03	6.50	5.97	5.88	5.75	5.71	
7	5.88	6.08	6.25	6.32	6.20	6.27	7.75	6.59	5.87	5.95	5.75	5.65	
8	6.16	6.17	6.15	6.33	6.07	6.41	7.70	6.23	5.77	5.99	5.75	5.83	
9	6.12	6.26	6.09	6.34	5.96	7.01	7.13	5.83	5.74	5.98	5.75	5.95	
10	5.97	6.39	6.08	6.37	5.88	6.97	8.23	5.86	5.84	6.18	5.75	5.93	
11	5.95	6.37	5.99	6.31	6.09	6.30	9.81	6.06	6.01	5.98	5.75	5.88	
12	5.94	6.31	5.92	6.26	6.06	5.95	10.36	6.16	6.08	5.88	5.75	5.78	
13	5.95	6.31	5.89	6.25	6.03	5.85	10.51	6.19	6.11	5.83	5.75	5.77	
14	5.98	6.21	5.89	6.23	6.02	6.07	9.61	6.24	6.01	5.84	5.75	5.77	
15	5.99	6.12	5.92	6.19	6.06	6.56	8.60	6.59	5.87	5.93	5.75	5.76	
16	5.99	6.05	5.96	6.17	6.23	6.79	7.80	6.75	5.82	5.98	5.75	5.80	
17	5.99	6.02	6.03	6.07	6.31	6.67	7.17	6.19	5.81	5.99	5.75	5.86	
18	6.00	6.04	6.09	6.01	6.25	6.44	7.13	6.16	5.86	5.99	5.74	5.85	
19	6.08	6.13	6.18	5.98	6.22	6.27	6.97	6.14	5.96	5.98	5.74	5.89	
20	6.13	6.15	6.13	5.93	6.25	6.11	6.46	6.15	5.93	5.99	5.72	5.90	
21	6.13	6.26	6.10	5.93	6.13	5.94	5.95	6.18	5.83	5.98	5.88	5.87	
22	6.09	6.35	6.19	5.95	5.88	5.94	5.94	6.39	5.78	5.99	5.96	5.83	
23	6.13	6.61	6.45	5.97	5.81	6.33	6.15	6.30	5.77	5.99	6.03	5.76	
24	6.13	6.86	6.53	5.97	5.85	6.63	6.20	6.07	5.76	5.99	6.07	5.71	
25	6.11	6.75	6.52	5.96	6.01	6.63	6.25	6.16	5.80	5.92	6.07	5.70	
26	6.07	6.56	6.73	5.93	6.23	6.61	6.09	6.35	5.89	5.69	6.04	5.67	
27	6.01	6.44	6.61	5.90	6.60	6.99	5.99	6.31	5.87	5.62	5.84	5.65	
28	5.98	6.35	6.72	5.89	6.35	6.80	6.54	6.28	5.78	5.77	5.82	5.66	
29	6.07	6.28	6.64	5.96	6.24	6.32	6.95	6.14	5.73	5.79		5.68	
30	6.07	6.13	6.51	5.99	6.29	6.10	6.41	5.99	5.70	5.77		5.70	
31		6.01		6.02	6.25		6.04		5.73	5.76		5.76	
Mean	6.02	6.24	6.20	6.15	6.14	6.36	7.25	6.19	5.86	5.90	5.81	5.81	
Max	6.16	6.86	6.73	6.50	6.60	7.01	10.51	6.75	6.11	6.18	6.07	6.17	10.51
Min	5.77	6.01	5.89	5.89	5.81	5.85	5.94	5.83	5.70	5.62	5.72	5.65	5.62
Annual Max Momentary Gage Height	10.73		m. (MSL.) ,			at 02.00 Hours , on Oct 13, 2022							
Zero Gage at Bottom Elevation		5.40	m. (MSL.) ,		River Bed	4.34	m. (MSL.)						
Left Bank Elevation		14.95	m. (MSL.) ,										
Right Bank Elevation		14.92	m. (MSL.) ,		Drainage Are	4,057	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.00	7.30	6.25	14.50	10.15	8.95	10.45	6.85	5.35	4.30	3.60	4.45	
2	6.40	7.90	5.95	13.90	7.30	7.60	8.95	7.30	4.60	4.90	3.50	9.55	
3	6.10	8.35	8.80	13.15	7.15	6.70	9.40	6.70	3.90	5.20	3.50	8.20	
4	6.70	8.20	5.80	12.55	10.45	9.85	14.95	5.95	4.60	5.50	3.50	4.45	
5	6.25	8.05	9.55	12.40	12.70	11.05	39.50	7.90	5.95	4.90	3.60	3.30	
6	3.70	7.60	11.35	12.10	11.35	10.90	44.75	14.50	6.55	5.20	3.50	3.10	
7	5.20	8.20	10.75	11.80	10.00	11.05	38.00	15.85	5.05	6.25	3.50	2.50	
8	9.40	9.55	9.25	11.95	8.05	13.15	37.00	10.45	3.70	6.85	3.50	4.45	
9	8.80	10.90	8.35	12.10	6.40	23.20	25.60	4.45	3.40	6.70	3.50	6.25	
10	6.55	12.85	8.20	12.55	5.20	22.40	49.75	4.90	4.60	9.70	3.50	5.95	
11	6.25	12.55	6.85	11.65	8.35	11.50	100.90	7.90	7.15	6.70	3.50	5.20	
12	6.10	11.65	5.80	10.90	7.90	6.25	123.70	9.40	8.20	5.20	3.50	3.80	
13	6.25	11.65	5.35	10.75	7.45	4.75	130.45	9.85	8.65	4.45	3.50	3.70	
14	6.70	10.15	5.35	10.45	7.30	8.05	92.90	10.60	7.15	4.60	3.50	3.70	
15	6.85	8.80	5.80	9.85	7.90	15.40	60.50	15.85	5.05	5.95	3.50	3.60	
16	6.85	7.75	6.40	9.55	10.45	18.85	39.00	18.25	4.30	6.70	3.50	4.00	
17	6.85	7.30	7.45	8.05	11.65	17.05	26.40	9.85	4.15	6.85	3.50	4.90	
18	7.00	7.60	8.35	7.15	10.75	13.60	25.60	9.40	4.90	6.85	3.40	4.75	
19	8.20	8.95	9.70	6.70	10.30	11.05	22.40	9.10	6.40	6.70	3.40	5.35	
20	8.95	9.25	8.95	5.95	10.75	8.65	13.90	9.25	5.95	6.85	3.20	5.50	
21	8.95	10.90	8.50	5.95	8.95	6.10	6.25	9.70	4.45	6.70	5.20	5.05	
22	8.35	12.25	9.85	6.25	5.20	6.10	6.10	12.85	3.80	6.85	6.40	4.45	
23	8.95	16.15	13.75	6.55	4.15	11.95	9.25	11.50	3.70	6.85	7.45	3.60	
24	8.95	20.20	14.95	6.55	4.75	16.45	10.00	8.05	3.60	6.85	8.05	3.10	
25	8.65	18.25	14.80	6.40	7.15	16.45	10.75	9.40	4.00	5.80	8.05	3.00	
26	8.05	15.40	17.95	5.95	10.45	16.15	8.35	12.25	5.35	2.90	7.60	2.70	
27	7.15	13.60	16.15	5.50	16.00	22.80	6.85	11.65	5.05	2.20	4.60	2.50	
28	6.70	12.25	17.80	5.35	12.25	19.00	15.10	11.20	3.80	3.70	4.30	2.60	
29	8.05	11.20	16.60	6.40	10.60	11.80	22.00	9.10	3.30	3.90		2.80	
30	8.05	8.95	14.65	6.85	11.35	8.50	13.15	6.85	3.00	3.70		3.00	
31		7.15		7.30	10.75		7.60		3.30	3.60		3.60	
Total	217.95	330.85	299.25	287.05	283.15	375.30	1029.50	296.85	152.95	173.40	121.35</		

WATER YEAR : 2022**PHETCHABURI RIVER BASIN****Phetchaburi River at Ban Lat Bridge , Phetchaburi (B.16)**

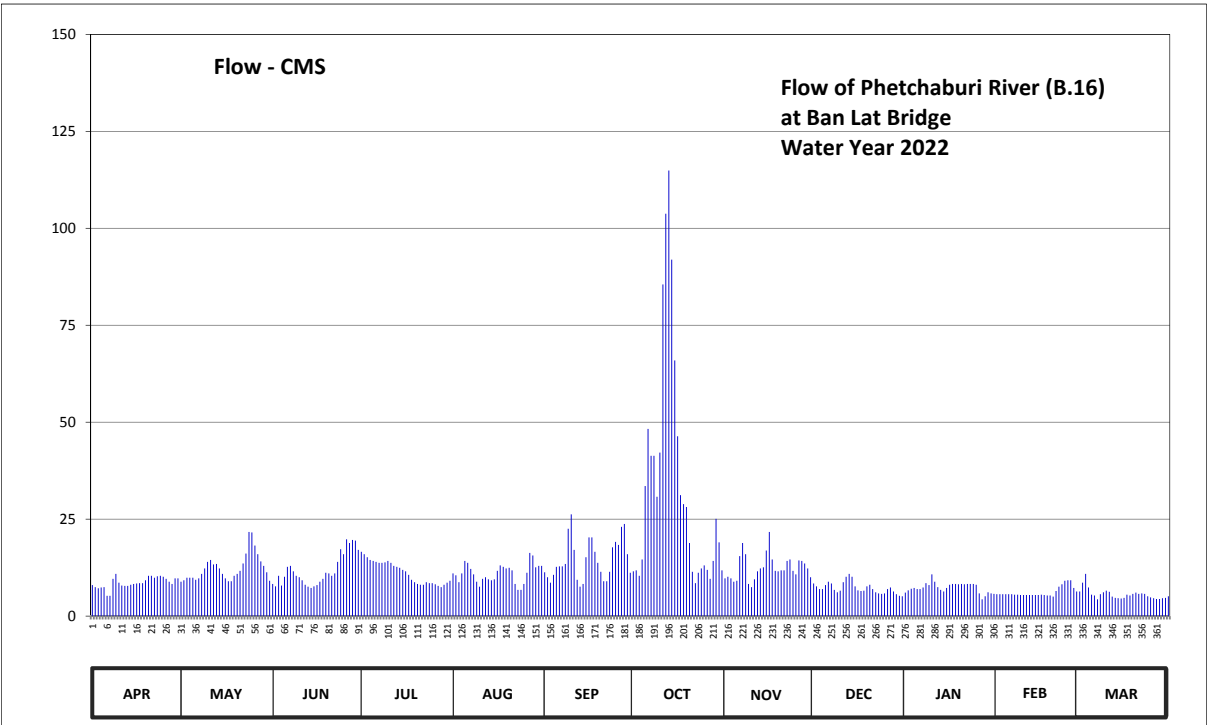
Lat 13 - 02 - 56 N Long 99 - 55 - 06 E

Location : on right bank at the bridge .

	Ban Lat Bridge	Amphoe Ban Lat	Changwat Phetchaburi
Drainage Area	4,069 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	Near the automatic gage buiding.	Elevation	+10.848 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2018 to date		
Rating Operation			
Period of Rating	2018 to date		
Rated by Float	-		
Rated by Current Meter	2018 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 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.94	3.02	2.97	3.60	3.19	3.21	3.23	3.09	2.98	2.75	2.71	2.78	
2	2.89	3.05	2.91	3.56	3.15	3.11	3.25	3.12	2.91	2.81	2.71	3.00	
3	2.86	3.10	3.14	3.51	3.01	3.00	3.14	3.09	2.84	2.85	2.71	3.18	
4	2.88	3.10	2.93	3.46	3.19	3.16	3.47	3.02	2.84	2.87	2.71	2.88	
5	2.89	3.10	3.12	3.44	3.44	3.32	4.55	3.04	2.94	2.84	2.71	2.70	
6	2.67	3.06	3.32	3.42	3.40	3.33	5.22	3.53	3.02	2.84	2.71	2.68	
7	2.67	3.09	3.34	3.40	3.28	3.33	4.92	3.74	2.98	2.88	2.70	2.58	
8	3.08	3.18	3.23	3.40	3.17	3.38	4.92	3.56	2.82	2.99	2.70	2.71	
9	3.18	3.29	3.14	3.41	3.02	3.97	4.41	2.97	2.76	2.94	2.69	2.76	
10	3.00	3.42	3.11	3.44	2.90	4.17	4.96	2.89	2.80	3.17	2.69	2.80	
11	2.93	3.46	3.05	3.40	3.08	3.63	6.61	3.07	3.01	3.02	2.69	2.77	
12	2.92	3.37	2.95	3.34	3.11	3.06	7.16	3.23	3.12	2.89	2.69	2.65	
13	2.92	3.38	2.90	3.32	3.07	2.90	7.47	3.29	3.18	2.82	2.69	2.62	
14	2.95	3.29	2.87	3.30	3.05	2.97	6.81	3.31	3.12	2.78	2.69	2.61	
15	2.97	3.18	2.91	3.26	3.07	3.51	5.92	3.62	2.91	2.87	2.69	2.60	
16	2.98	3.09	2.94	3.23	3.24	3.83	5.14	3.92	2.81	2.95	2.70	2.62	
17	2.99	3.03	3.02	3.16	3.35	3.83	4.43	3.47	2.79	2.97	2.69	2.70	
18	2.99	3.03	3.08	3.06	3.32	3.60	4.31	3.24	2.80	2.97	2.68	2.68	
19	3.05	3.14	3.20	3.01	3.29	3.40	4.27	3.23	2.91	2.96	2.68	2.72	
20	3.14	3.18	3.19	2.97	3.30	3.22	3.74	3.25	2.95	2.97	2.65	2.75	
21	3.14	3.24	3.14	2.95	3.25	3.03	3.22	3.25	2.84	2.96	2.79	2.72	
22	3.10	3.39	3.19	2.95	2.97	3.03	2.99	3.44	2.76	2.97	2.90	2.73	
23	3.13	3.57	3.42	3.01	2.82	3.22	3.20	3.47	2.73	2.97	2.96	2.72	
24	3.14	3.92	3.64	2.99	2.82	3.67	3.29	3.24	2.72	2.97	3.04	2.66	
25	3.12	3.91	3.56	2.99	2.97	3.76	3.35	3.17	2.73	2.95	3.05	2.63	
26	3.08	3.70	3.80	2.96	3.20	3.71	3.26	3.45	2.84	2.73	3.05	2.61	
27	3.02	3.56	3.74	2.92	3.58	4.00	3.08	3.44	2.88	2.58	2.87	2.59	
28	2.97	3.43	3.79	2.89	3.54	4.04	3.44	3.39	2.78	2.66	2.78	2.59	
29	3.09	3.34	3.78	2.95	3.31	3.56	4.11	3.29	2.71	2.76		2.61	
30	3.09	3.21	3.63	3.00	3.34	3.20	3.75	3.11	2.67	2.73		2.62	
31		3.04		3.04	3.34		3.25		2.66	2.72		2.66	
Mean	2.99	3.29	3.23	3.20	3.19	3.44	4.35	3.30	2.86	2.88	2.76	2.71	
Max	3.18	3.92	3.80	3.60	3.58	4.17	7.47	3.92	3.18	3.17	3.05	3.18	7.47
Min	2.67	3.02	2.87	2.89	2.82	2.90	2.99	2.89	2.66	2.58	2.65	2.58	2.58
Annual Max Momentary Gage Height	7.57		m. (MSL.) ,			at 07.00 Hours , on	Oct 13, 2022						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	1.55	m. (MSL.)					
Left Bank Elevation	8.95		m. (MSL.) ,										
Right Bank Elevation	9.56		m. (MSL.) ,			Drainage Are	4,069	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	7.99	8.86	8.29	16.60	11.03	11.29	11.54	9.75	8.40	6.05	5.64	6.36		
2	7.48	9.24	7.68	15.96	10.52	10.01	11.80	10.14	7.68	6.66	5.64	8.60		
3	7.17	9.88	10.39	15.16	8.73	8.60	10.39	9.75	6.97	7.07	5.64	10.90		
4	7.38	9.88	7.89	14.49	11.03	10.65	14.62	8.86	6.97	7.27	5.64	7.38		
5	7.48	9.88	10.14	14.23	14.23	12.70	33.55	9.11	7.99	6.97	5.64	5.54		
6	5.23	9.37	12.70	13.98	13.72	12.82	48.28	15.48	8.86	6.97	5.64	5.34		
7	5.23	9.75	12.95	13.72	12.18	12.82	41.32	18.84	8.40	7.38	5.54	4.32		
8	9.62	10.90	11.54	13.72	10.78	13.46	41.32	15.96	6.76	8.50	5.54	5.64		
9	10.90	12.31	10.39	13.85	8.86	22.52	30.79	8.29	6.15	7.99	5.44	6.15		
10	8.60	13.98	10.01	14.23	7.58	26.23	42.16	7.48	6.56	10.78	5.44	6.56		
11	7.89	14.49	9.24	13.72	9.62	17.08	85.52	9.50	8.73	8.86	5.44	6.25		
12	7.78	13.34	8.09	12.95	10.01	9.37	103.76	11.54	10.14	7.48	5.44	5.03		
13	7.78	13.46	7.58	12.70	9.50	7.58	114.92	12.31	10.90	6.76	5.44	4.72		
14	8.09	12.31	7.27	12.44	9.24	8.29	91.92	12.57	10.14	6.36	5.44	4.62		
15	8.29	10.90	7.68	11.93	9.50	15.16	65.92	16.92	7.68	7.27	5.44	4.52		
16	8.40	9.75	7.99	11.54	11.67	20.28	46.36	21.72	6.66	8.09	5.54	4.72		
17	8.50	8.98	8.86	10.65	13.08	20.28	31.17	14.62	6.46	8.29	5.44	5.54		
18	8.50	8.98	9.62	9.37	12.70	16.60	28.89	11.67	6.56	8.29	5.34	5.34		
19	9.24	10.39	11.16	8.73	12.31	13.72	28.13	11.54	7.68	8.19	5.34	5.74		
20	10.39	10.90	11.03	8.29	12.44	11.42	18.84	11.80	8.09	8.29	5.03	6.05		
21	10.39	11.67	10.39	8.09	11.80	8.98	11.42	11.80	6.97	8.19	6.46	5.74		
22	9.88	13.59	11.03	8.09	8.29	8.98	8.50	14.23	6.15	8.29	7.58	5.85		
23	10.26	16.12	13.98	8.73	6.76	11.42	11.16	14.62	5.85	8.29	8.19	5.74		
24	10.39	21.72	17.24	8.50	6.76	17.72	12.31	11.67	5.74	8.29	9.11	5.13		
25	10.14	21.56	15.96	8.50	8.29	19.16	13.08	10.78	5.85	8.09	9.24	4.83		
26	9.62	18.20	19.80	8.19	11.16	18.36	11.93	14.36	6.97	5.85	9.24	4.62		
27	8.86	15.96	18.84	7.78	16.28	23.00	9.62	14.23	7.38	4.32	7.27	4.42		
28	8.29	14.10	19.64	7.48	15.64	23.76	14.23	13.59	6.36	5.13	6.36	4.42		
29	9.75	12.95	19.48	8.09	12.57	15.96	25.09	12.31	5.64	6.15		4.62		
30	9.75	11.29	17.08	8.60	12.95	11.16	19.00	10.01	5.23	5.85		4.72		
31		9.11		9.11	12.95		11.80		5.13	5.74		5.13		
Total	259.27	383.82	353.94	349.42	342.18	439.38	1049.34	375.45	225.05	227.71	173.14	174.54	4353.24	CMSDAY
Mean	8.64	12.38	11.80	11.27	11.04	14.65	33.85	12.51	7.26	7.35	6.18	5.63	11.93	CMS
Max	10.90	21.72	19.80	16.60	16.28	26.23	114.92	21.72	10.90	10.78	9.24	10.90	114.92	CMS
Min	5.23	8.86	7.27	7.48	6.76	7.58	8.50	7.48	5.13	4.32	5.03	4.32	4.32	CMS
Runoff	22.40	33.16	30.58	30.19	29.56	37.96	90.66	32.44	19.44	19.67	14.96	15.08	376.12	MCM
Momentary Peak	118.94 CMS. at 7.57 m. (MSL.) at 07.00 Hours , on Oct 13, 2022													
Runoff Yield	2.93	Liters/Second/Square KM.			Momentary Peak Yield		29.23	Liters/Second/Square KM.						

WATER YEAR : 2022**WEST COAST - GULF BASIN****Khlong Bang Saphan Yai at Ban Wang Yao, Prachuap Khiri Khan (Gt.7)**

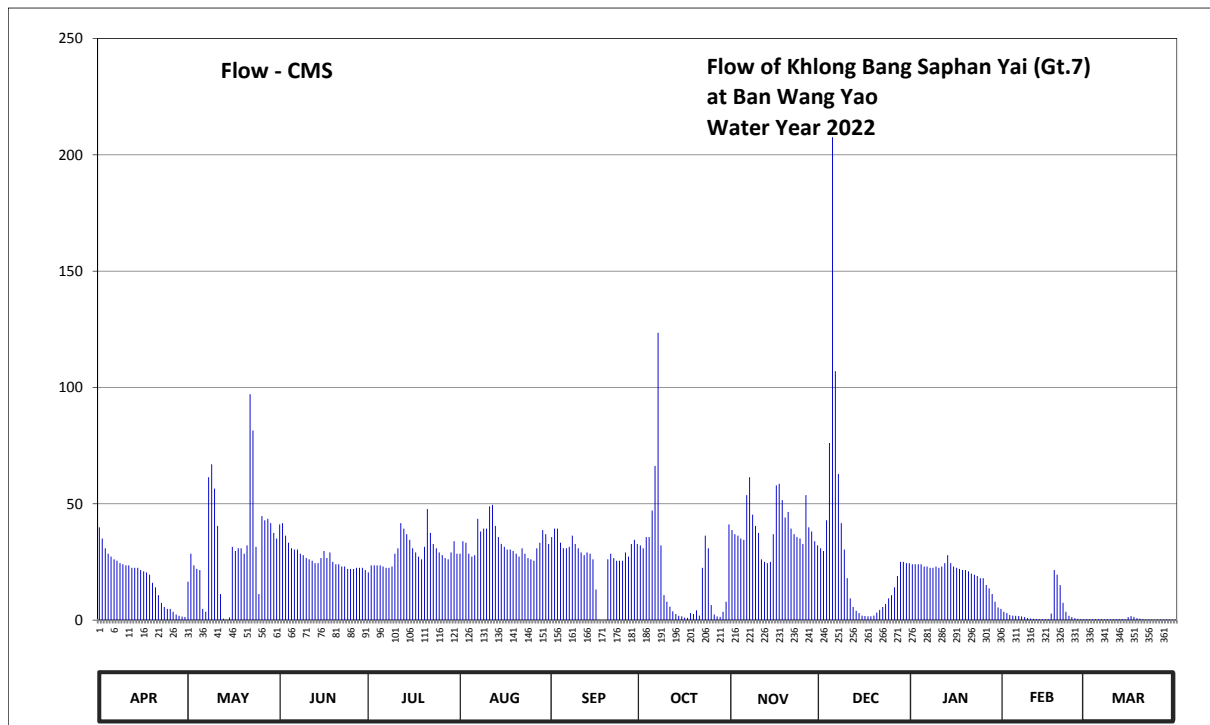
Lat 11 - 14 - 27 N Long 99 - 26 - 10 E

Location : on left bank near the bridge of Phet Kasem Highway at Ban Wang Yao.

	Ban	Wang Yao	Amphoe	Bang Saphan	Changwat	Prachuap Khiri Khan
Drainage Area	351	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+11.800	m. (MSL.)				
Bench Mark	B.M.- Highways Dept.					
Location BM	on left bank at the abutment of the bridge.				Elevation	+21.452 m. (MSL.)
Gage Reading Frequency	Recordings.					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 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. Flow regulated by the concrete weir about 2 kilometer downstream from the gage site. Stage-discharge relation defined by 5 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	13.84	13.42	13.86	13.50	13.65	13.77	13.71	13.82	13.69	13.57	13.08	12.55	
2	13.76	13.65	13.87	13.56	13.74	13.83	13.69	13.79	13.67	13.57	13.05	12.53	
3	13.69	13.56	13.78	13.56	13.73	13.83	13.77	13.78	13.89	13.57	13.01	12.56	
4	13.65	13.53	13.73	13.56	13.65	13.73	13.77	13.76	14.38	13.57	12.98	12.56	
5	13.63	13.52	13.69	13.56	13.63	13.69	13.96	13.75	15.63	13.55	12.97	12.55	
6	13.61	13.14	13.68	13.55	13.64	13.69	14.24	14.06	14.75	13.55	12.96	12.54	
7	13.60	13.08	13.68	13.54	13.90	13.70	14.92	14.17	14.19	13.54	12.92	12.54	
8	13.58	14.17	13.65	13.54	13.81	13.78	13.71	13.93	13.87	13.54	12.86	12.55	
9	13.57	14.25	13.64	13.55	13.83	13.72	13.30	13.85	13.68	13.55	12.75	12.54	
10	13.56	14.10	13.62	13.65	13.83	13.69	13.24	13.80	13.45	13.54	12.66	12.54	
11	13.56	13.85	13.61	13.69	13.99	13.66	13.19	13.61	13.27	13.55	12.62	12.56	
12	13.54	13.31	13.60	13.87	14.00	13.64	13.09	13.59	13.18	13.58	12.59	12.57	
13	13.54	12.65	13.58	13.83	13.85	13.66	13.03	13.58	13.10	13.64	12.57	12.58	
14	13.54	12.46	13.58	13.79	13.77	13.65	12.97	13.59	13.05	13.58	12.55	12.53	
15	13.52	12.83	13.62	13.75	13.72	13.61	12.93	13.79	12.98	13.55	12.55	12.86	
16	13.51	13.70	13.67	13.69	13.70	13.35	12.82	14.12	12.96	13.54	12.57	12.94	
17	13.50	13.67	13.62	13.66	13.68	12.41	12.78	14.13	12.93	13.53	13.04	12.87	
18	13.48	13.69	13.66	13.63	13.68	12.29	13.05	14.03	12.93	13.52	13.52	12.74	
19	13.41	13.69	13.59	13.61	13.67	12.27	13.03	13.91	12.98	13.52	13.48	12.63	
20	13.37	13.65	13.57	13.70	13.65	13.61	13.11	13.95	13.06	13.51	13.39	12.55	
21	13.30	13.71	13.57	13.97	13.63	13.65	12.98	13.83	13.12	13.49	13.23	12.51	
22	13.23	14.64	13.55	13.80	13.69	13.62	13.54	13.79	13.18	13.48	13.08	12.50	
23	13.18	14.45	13.55	13.72	13.65	13.60	13.78	13.77	13.22	13.47	12.97	12.50	
24	13.14	13.70	13.53	13.69	13.62	13.60	13.69	13.76	13.27	13.45	12.86	12.49	
25	13.14	13.31	13.53	13.66	13.61	13.60	13.21	13.72	13.30	13.45	12.73	12.50	
26	13.08	13.92	13.53	13.64	13.60	13.66	13.02	14.06	13.37	13.39	12.61	12.51	
27	13.02	13.89	13.54	13.62	13.69	13.63	12.92	13.84	13.47	13.36	12.55	12.51	
28	12.97	13.90	13.54	13.61	13.73	13.72	12.88	13.81	13.59	13.31	12.56	12.51	
29	12.90	13.87	13.54	13.66	13.82	13.75	13.08	13.74	13.59	13.24		12.50	
30	12.87	13.80	13.52	13.74	13.79	13.72	13.24	13.71	13.58	13.17		12.48	
31		13.76		13.65	13.72		13.86		13.58	13.14		12.49	
Mean	13.41	13.64	13.62	13.66	13.73	13.54	13.37	13.83	13.51	13.48	12.88	12.57	
Max	13.84	14.64	13.87	13.97	14.00	13.83	14.92	14.17	15.63	13.64	13.52	12.94	15.63
Min	12.87	12.46	13.52	13.50	13.60	12.27	12.78	13.58	12.93	13.14	12.55	12.48	12.27
Annual Max Momentary Gage Height	17.49		m. (MSL.) ,			at 10.00 Hours ,	on Dec 5, 2022						
Zero Gage at Bottom Elevation		11.80	m. (MSL.) ,			River Bed	10.49	m. (MSL.)					
Left Bank Elevation		17.65	m. (MSL.) ,										
Right Bank Elevation		19.09	m. (MSL.) ,			Drainage Are	351	Square Kilometers					



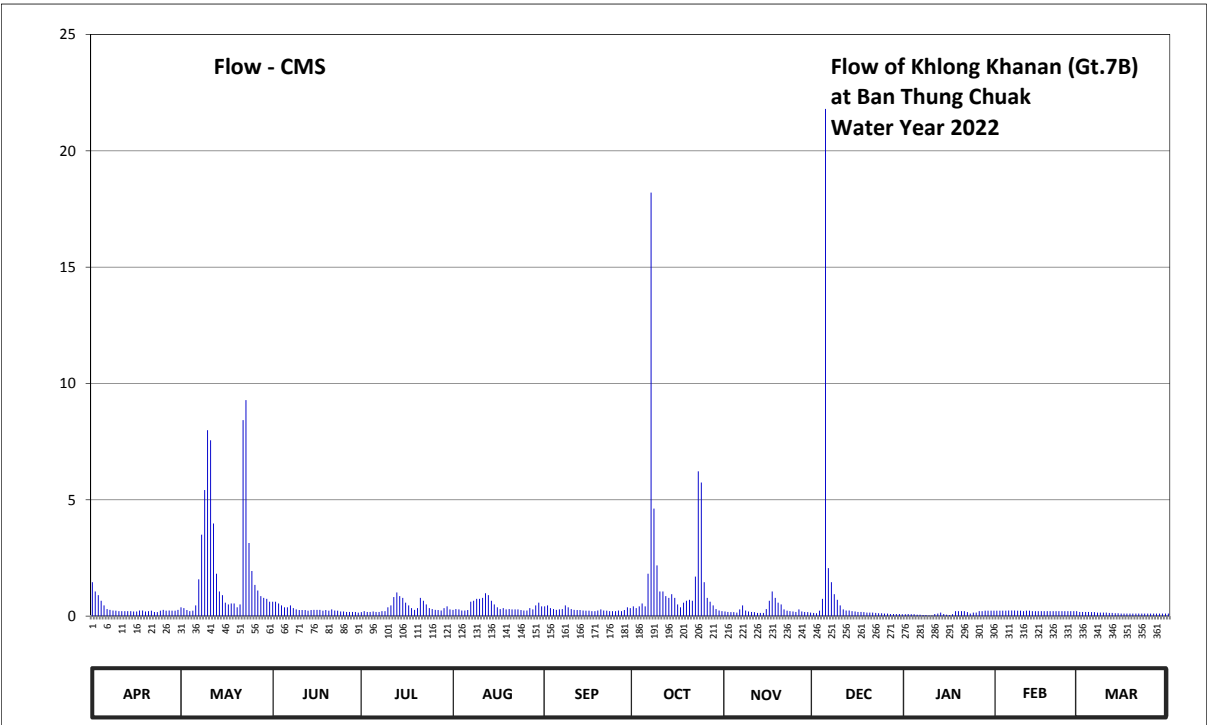
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	39.90	16.50	41.10	20.50	28.50	35.70	32.10	38.70	30.90	24.00	3.60	0.38		
2	35.10	28.50	41.70	23.50	33.90	39.30	30.90	36.90	29.70	24.00	3.00	0.33		
3	30.90	23.50	36.30	23.50	33.30	39.30	35.70	36.30	42.90	24.00	2.20	0.40		
4	28.50	22.00	33.30	23.50	28.50	33.30	35.70	35.10	76.10	24.00	1.90	0.40		
5	27.30	21.50	30.90	23.50	27.30	30.90	47.10	34.50	207.55	23.00	1.85	0.38		
6	26.10	4.80	30.30	23.00	27.90	30.90	66.30	53.70	107.00	23.00	1.80	0.35		
7	25.50	3.60	30.30	22.50	43.50	31.50	123.50	61.40	62.80	22.50	1.60	0.35		
8	24.50	61.40	28.50	22.50	38.10	36.30	32.10	45.30	41.70	22.50	1.30	0.38		
9	24.00	67.00	27.90	23.00	39.30	32.70	10.75	40.50	30.30	23.00	0.88	0.35		
10	23.50	56.50	26.70	28.50	39.30	30.90	7.90	37.50	18.00	22.50	0.65	0.35		
11	23.50	40.50	26.10	30.90	48.90	29.10	5.80	26.10	9.33	23.00	0.55	0.40		
12	22.50	11.23	25.50	41.70	49.50	27.90	3.80	25.00	5.60	24.50	0.48	0.43		
13	22.50	0.63	24.50	39.30	40.50	29.10	2.60	24.50	4.00	27.90	0.43	0.45		
14	22.50	0.15	24.50	36.90	35.70	28.50	1.85	25.00	3.00	24.50	0.38	0.33		
15	21.50	1.15	26.70	34.50	32.70	26.10	1.65	36.90	1.90	23.00	0.38	1.30		
16	21.00	31.50	29.70	30.90	31.50	13.13	1.10	57.90	1.80	22.50	0.43	1.70		
17	20.50	29.70	26.70	29.10	30.30	0.03	0.95	58.60	1.65	22.00	2.80	1.35		
18	19.50	30.90	29.10	27.30	30.30	0.00	3.00	51.60	1.65	21.50	21.50	0.85		
19	16.00	30.90	25.00	26.10	29.70	0.00	2.60	44.10	1.90	21.50	19.50	0.58		
20	14.08	28.50	24.00	31.50	28.50	26.10	4.20	46.50	3.20	21.00	15.03	0.38		
21	10.75	32.10	24.00	47.70	27.30	28.50	1.90	39.30	4.40	20.00	7.43	0.28		
22	7.43	97.10	23.00	37.50	30.90	26.70	22.50	36.90	5.60	19.50	3.60	0.25		
23	5.60	81.50	23.00	32.70	28.50	25.50	36.30	35.70	6.95	19.00	1.85	0.25		
24	4.80	31.50	22.00	30.90	26.70	25.50	30.90	35.10	9.33	18.00	1.30	0.23		
25	4.80	11.23	22.00	29.10	26.10	25.50	6.48	32.70	10.75	18.00	0.83	0.25		
26	3.60	44.70	22.00	27.90	25.50	29.10	2.40	53.70	14.08	15.03	0.53	0.28		
27	2.40	42.90	22.50	26.70	30.90	27.30	1.60	39.90	19.00	13.60	0.38	0.28		
28	1.85	43.50	22.50	26.10	33.30	32.70	1.40	38.10	25.00	11.23	0.40	0.28		
29	1.50	41.70	22.50	29.10	38.70	34.50	3.60	33.90	25.00	7.90		0.25		
30	1.35	37.50	21.50	33.90	36.90	32.70	7.90	32.10	24.50	5.40		0.20		
31		35.10		28.50	32.70		41.10		24.50	4.80		0.23		
Total	532.96	1009.29	813.80	912.30	1034.70	808.76	605.68	1193.50	850.09	616.36	96.58	14.22	8488.24	CMSDAY
Mean	17.77	32.56	27.13	29.43	33.38	26.96	19.54	39.78	27.42	19.88	3.45	0.46	23.26	CMS
Max	39.90	97.10	41.70	47.70	49.50	39.30	123.50	61.40	207.55	27.90	21.50	1.70	207.55	CMS
Min	1.35	0.15	21.50	20.50	25.50	0.00	0.95	24.50	1.65	4.80	0.38	0.20	0.00	CMS
Runoff	46.05	87.20	70.31	78.82	89.40	69.88	52.33	103.12	73.45	53.25	8.34	1.23	733.38	MCM
Momentary Peak	CMS: at 17.49 m. (MSL.) at 10.00 Hours , on Dec 5, 2022													
Runoff Yield	66.25	Liters/Second/Square KM.			Momentary Peak Yield			1394.02	Liters/Second/Square KM.					

Lat 11 - 14 - 36 N Long 99 - 26 - 14 E

Location : on left bank near the bridge .

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023														
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	25.33	25.12	25.18	25.01	25.08	25.13	25.13	25.03	24.99	24.95	25.05	25.02	
	2	25.29	25.11	25.18	25.04	25.10	25.14	25.11	25.02	24.98	24.96	25.05	25.02	
	3	25.25	25.07	25.16	25.02	25.09	25.11	25.13	25.01	25.05	24.95	25.05	25.02	
	4	25.19	25.04	25.14	25.02	25.06	25.10	25.16	25.01	25.21	24.95	25.05	25.02	
	5	25.14	25.05	25.12	25.03	25.06	25.08	25.13	25.00	26.22	24.94	25.06	25.01	
	6	25.10	25.14	25.12	25.02	25.07	25.09	25.36	25.09	25.38	24.94	25.06	25.01	
	7	25.08	25.34	25.14	25.02	25.18	25.10	26.13	25.14	25.33	24.93	25.06	25.00	
	8	25.06	25.50	25.11	25.04	25.19	25.14	25.57	25.06	25.26	24.93	25.05	25.00	
	9	25.05	25.62	25.09	25.04	25.21	25.12	25.39	25.03	25.20	24.92	25.05	25.00	
	10	25.04	25.76	25.07	25.12	25.21	25.10	25.29	25.02	25.14	24.92	25.04	25.00	
	11	25.04	25.74	25.07	25.14	25.22	25.08	25.29	25.01	25.09	24.96	25.05	24.99	
	12	25.04	25.53	25.07	25.23	25.27	25.07	25.24	24.99	25.06	24.97	25.05	24.99	
	13	25.04	25.36	25.05	25.28	25.25	25.07	25.22	24.99	25.06	25.00	25.04	24.98	
	14	25.04	25.29	25.07	25.24	25.19	25.06	25.26	24.99	25.04	24.96	25.04	24.98	
	15	25.03	25.25	25.08	25.22	25.15	25.05	25.22	25.10	25.03	24.94	25.04	24.97	
	16	25.03	25.17	25.08	25.17	25.12	25.05	25.15	25.19	25.02	24.93	25.04	24.97	
	17	25.06	25.15	25.08	25.14	25.10	25.04	25.12	25.29	25.02	24.95	25.04	24.97	
	18	25.06	25.16	25.05	25.11	25.11	25.04	25.17	25.22	25.01	25.04	25.04	24.97	
	19	25.03	25.16	25.07	25.08	25.09	25.06	25.19	25.17	25.00	25.04	25.04	24.97	
	20	25.04	25.12	25.05	25.11	25.10	25.09	25.20	25.15	25.00	25.04	25.04	24.97	
	21	25.05	25.15	25.09	25.22	25.09	25.06	25.19	25.09	25.00	25.04	25.04	24.97	
	22	25.02	25.78	25.06	25.19	25.09	25.05	25.35	25.05	24.99	25.01	25.04	24.97	
	23	25.01	25.82	25.05	25.15	25.09	25.04	25.67	25.04	24.98	24.97	25.04	24.97	
	24	25.05	25.47	25.03	25.11	25.07	25.04	25.64	25.03	24.98	25.00	25.04	24.97	
	25	25.08	25.37	25.03	25.10	25.06	25.04	25.33	25.02	24.97	25.00	25.04	24.97	
	26	25.05	25.32	25.02	25.08	25.06	25.06	25.22	25.09	24.97	25.04	25.04	24.97	
	27	25.06	25.30	25.02	25.07	25.11	25.04	25.18	25.03	24.96	25.04	25.04	24.97	
	28	25.05	25.24	25.02	25.06	25.09	25.07	25.14	25.02	24.96	25.05	25.04	24.97	
	29	25.05	25.22	25.02	25.11	25.14	25.12	25.10	25.01	24.96	25.05		24.97	
	30	25.08	25.21	25.0										



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.46	0.38	0.62	0.17	0.27	0.42	0.42	0.20	0.14	0.08	0.23	0.18	
2	1.06	0.34	0.62	0.21	0.30	0.46	0.34	0.18	0.12	0.09	0.23	0.18	
3	0.90	0.26	0.54	0.18	0.29	0.34	0.42	0.17	0.23	0.08	0.23	0.18	
4	0.66	0.21	0.46	0.18	0.24	0.30	0.54	0.17	0.74	0.08	0.23	0.18	
5	0.46	0.23	0.38	0.20	0.24	0.27	0.42	0.15	21.80	0.06	0.24	0.17	
6	0.30	0.46	0.38	0.18	0.26	0.29	1.82	0.29	2.06	0.06	0.24	0.17	
7	0.27	1.58	0.46	0.18	0.62	0.30	18.20	0.46	1.46	0.05	0.24	0.15	
8	0.24	3.50	0.34	0.21	0.66	0.46	4.62	0.24	0.94	0.05	0.23	0.15	
9	0.23	5.42	0.29	0.21	0.74	0.38	2.18	0.20	0.70	0.03	0.23	0.15	
10	0.21	7.99	0.26	0.38	0.74	0.30	1.06	0.18	0.46	0.03	0.21	0.15	
11	0.21	7.56	0.26	0.46	0.78	0.27	1.06	0.17	0.29	0.09	0.23	0.14	
12	0.21	3.98	0.26	0.82	0.98	0.26	0.86	0.14	0.24	0.11	0.23	0.14	
13	0.21	1.82	0.23	1.02	0.90	0.26	0.78	0.14	0.24	0.15	0.21	0.12	
14	0.21	1.06	0.26	0.86	0.66	0.24	0.94	0.14	0.21	0.09	0.21	0.12	
15	0.20	0.90	0.27	0.78	0.50	0.23	0.78	0.30	0.20	0.06	0.21	0.11	
16	0.20	0.58	0.27	0.58	0.38	0.23	0.50	0.66	0.18	0.05	0.21	0.11	
17	0.24	0.50	0.27	0.46	0.30	0.21	0.38	1.06	0.18	0.08	0.21	0.11	
18	0.24	0.54	0.23	0.34	0.34	0.21	0.58	0.78	0.17	0.21	0.21	0.11	
19	0.20	0.54	0.26	0.27	0.29	0.24	0.66	0.58	0.15	0.21	0.21	0.11	
20	0.21	0.38	0.23	0.34	0.30	0.29	0.70	0.50	0.15	0.21	0.21	0.11	
21	0.23	0.50	0.29	0.78	0.29	0.24	0.66	0.29	0.15	0.21	0.21	0.11	
22	0.18	8.42	0.24	0.66	0.29	0.23	1.70	0.23	0.14	0.17	0.21	0.11	
23	0.17	9.28	0.23	0.50	0.29	0.21	6.22	0.21	0.12	0.11	0.21	0.11	
24	0.23	3.14	0.20	0.34	0.26	0.21	5.74	0.20	0.12	0.15	0.21	0.11	
25	0.27	1.94	0.20	0.30	0.24	0.21	1.46	0.18	0.11	0.15	0.21	0.11	
26	0.23	1.34	0.18	0.27	0.24	0.24	0.78	0.29	0.11	0.21	0.21	0.11	
27	0.24	1.10	0.18	0.26	0.34	0.21	0.62	0.20	0.09	0.21	0.21	0.11	
28	0.23	0.86	0.18	0.24	0.29	0.26	0.46	0.18	0.09	0.23	0.21	0.11	
29	0.23	0.78	0.18	0.34	0.46	0.38	0.30	0.17	0.09	0.23		0.11	
30	0.27	0.74	0.15	0.42	0.58	0.34	0.24	0.15	0.09	0.23		0.11	
31		0.62		0.29	0.42		0.21		0.08	0.23		0.11	
Total	10.20	66.95	8.92	12.43	13.49	8.49	55.65	8.81	31.85	4.00	6.13	4.05	230.97 CMSDAY
Mean	0.34	2.16	0.30	0.40	0.44	0.28	1.80	0.29	1.03	0.13	0.22	0.13	0.63 CMS
Max	1.46	9.28	0.62	1.02	0.98	0.46	18.20	1.06	21.80	0.23	0.24	0.18	21.80 CMS
Min	0.17	0.21	0.15	0.17	0.24	0.21	0.21	0.14	0.08	0.03	0.21	0.11	0.03 CMS
Runoff	0.88	5.78	0.77	1.07	1.17	0.73	4.81	0.76	2.75	0.35	0.53	0.35	19.96 MCM
Momentary Peak	118.20 CMS. at 27.76 m. (MSL.) at 06.00 Hours , on Dec 5, 2022												
Runoff Yield	16.65	Liters/Second/Square KM.		Momentary Peak Yield		3110.53	Liters/Second/Square KM.						

WATER YEAR : 2022**WEST COAST - GULF BASIN****Khlong Thap Sakae at Ban Klang , Prachuap Khiri Khan (Gt.9)**

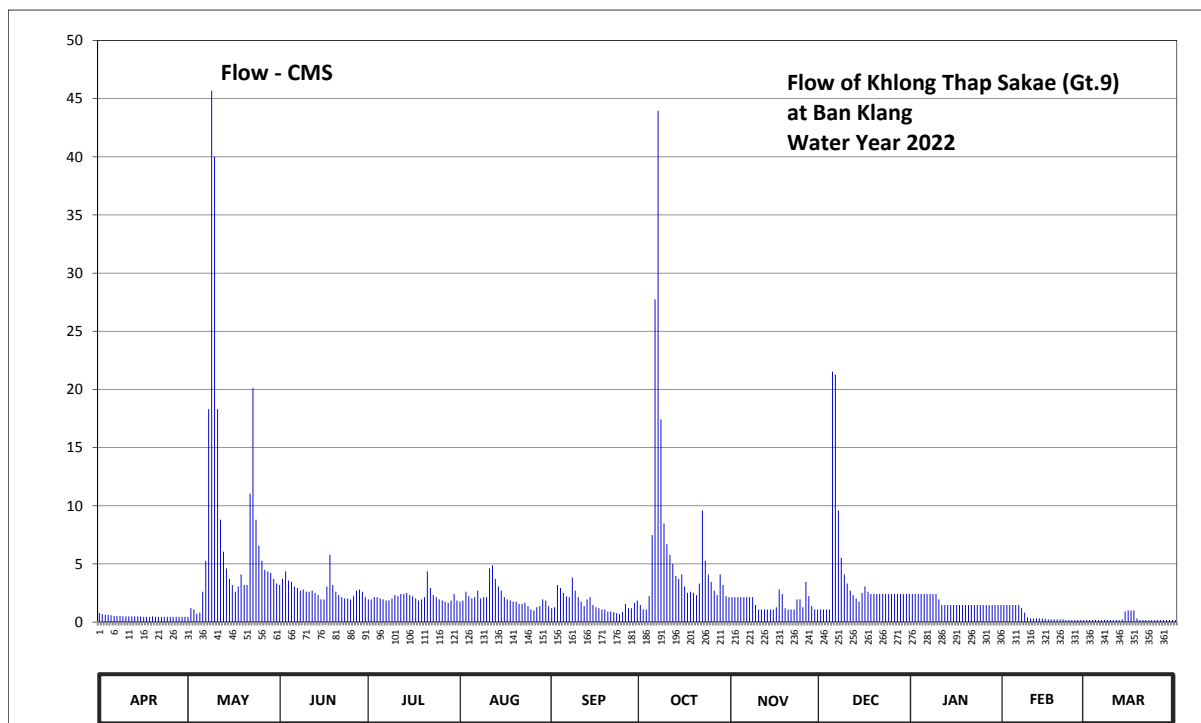
Lat 11 - 29 - 48 N Long 99 - 36 - 09 E

Location : on right bank at Ban Klang.

	Ban	Klang	Amphoe	Thap Sakae	Changwat	Prachuap Khiri Khan
Drainge Area	143	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+6.900	m. (MSL.)				
Bench Mark	B.M.- Highways Dept.					
Location BM	On right bank at the abutment of the bridge.				Elevation	+12.272 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1979 to date					
Rating Operation						
Period of Rating	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 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.27	7.20	7.53	7.41	7.39	7.33	7.36	7.43	7.32	7.46	7.36	7.14	
2	7.25	7.33	7.57	7.41	7.40	7.34	7.32	7.43	7.32	7.46	7.36	7.14	
3	7.24	7.32	7.62	7.43	7.48	7.53	7.32	7.43	7.32	7.46	7.36	7.14	
4	7.24	7.26	7.56	7.43	7.44	7.51	7.44	7.43	7.32	7.46	7.36	7.14	
5	7.23	7.28	7.55	7.42	7.42	7.47	7.86	7.43	8.59	7.46	7.36	7.14	
6	7.22	7.48	7.52	7.41	7.43	7.44	8.84	7.43	8.58	7.46	7.36	7.14	
7	7.22	7.69	7.51	7.40	7.49	7.43	9.38	7.43	8.00	7.46	7.33	7.14	
8	7.22	8.45	7.49	7.40	7.42	7.58	8.41	7.43	7.71	7.46	7.28	7.14	
9	7.21	9.43	7.50	7.42	7.43	7.49	7.93	7.36	7.60	7.46	7.19	7.14	
10	7.21	9.26	7.48	7.45	7.43	7.43	7.80	7.32	7.54	7.41	7.17	7.14	
11	7.21	8.45	7.48	7.44	7.64	7.39	7.73	7.32	7.49	7.36	7.17	7.14	
12	7.21	7.95	7.49	7.46	7.66	7.35	7.67	7.32	7.45	7.36	7.17	7.14	
13	7.21	7.75	7.47	7.46	7.57	7.41	7.59	7.32	7.42	7.36	7.17	7.15	
14	7.21	7.64	7.45	7.47	7.52	7.43	7.57	7.32	7.39	7.36	7.17	7.30	
15	7.21	7.57	7.41	7.45	7.49	7.36	7.60	7.32	7.47	7.36	7.16	7.31	
16	7.20	7.53	7.41	7.44	7.43	7.34	7.52	7.34	7.52	7.36	7.15	7.31	
17	7.20	7.48	7.52	7.42	7.41	7.33	7.47	7.50	7.48	7.36	7.15	7.31	
18	7.20	7.52	7.73	7.40	7.40	7.32	7.48	7.46	7.46	7.36	7.15	7.17	
19	7.21	7.60	7.53	7.41	7.39	7.32	7.47	7.33	7.46	7.36	7.15	7.14	
20	7.20	7.53	7.48	7.43	7.39	7.30	7.45	7.32	7.46	7.36	7.15	7.14	
21	7.20	7.53	7.45	7.62	7.37	7.30	7.54	7.32	7.46	7.36	7.15	7.14	
22	7.20	8.09	7.43	7.51	7.37	7.29	8.00	7.32	7.46	7.36	7.14	7.14	
23	7.20	8.53	7.42	7.45	7.38	7.27	7.69	7.41	7.46	7.36	7.14	7.14	
24	7.20	7.95	7.42	7.43	7.35	7.25	7.60	7.41	7.46	7.36	7.14	7.14	
25	7.20	7.79	7.41	7.41	7.32	7.29	7.55	7.34	7.46	7.36	7.14	7.14	
26	7.20	7.69	7.44	7.40	7.31	7.37	7.49	7.55	7.46	7.36	7.14	7.14	
27	7.20	7.63	7.49	7.39	7.34	7.33	7.45	7.44	7.46	7.36	7.14	7.14	
28	7.20	7.62	7.50	7.38	7.35	7.33	7.60	7.35	7.46	7.36	7.14	7.14	
29	7.20	7.61	7.48	7.40	7.41	7.38	7.53	7.32	7.46	7.36		7.14	
30	7.20	7.57	7.43	7.46	7.40	7.40	7.44	7.32	7.46	7.36		7.14	
31		7.54		7.40	7.35		7.43		7.46	7.36		7.14	
Mean	7.21	7.78	7.49	7.43	7.43	7.38	7.69	7.38	7.55	7.39	7.21	7.16	
Max	7.27	9.43	7.73	7.62	7.66	7.58	9.38	7.55	8.59	7.46	7.36	7.31	9.43
Min	7.20	7.20	7.41	7.38	7.31	7.25	7.32	7.32	7.32	7.36	7.14	7.14	7.14
Annual Max Momentary Gage Height	10.70		m. (MSL.) ,			at 18.00 Hours , on Oct 6, 2022							
Zero Gage at Bottom Elevation		6.90	m. (MSL.) ,			River Bed	6.71	m. (MSL.)					
Left Bank Elevation		11.26	m. (MSL.) ,										
Right Bank Elevation		10.97	m. (MSL.) ,			Drainage Are	143	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.77	0.45	3.19	1.95	1.76	1.19	1.47	2.14	1.09	2.42	1.47	0.18		
2	0.68	1.19	3.71	1.95	1.85	1.28	1.09	2.14	1.09	2.42	1.47	0.18		
3	0.63	1.09	4.36	2.14	2.61	3.19	1.09	2.14	1.09	2.42	1.47	0.18		
4	0.63	0.72	3.58	2.14	2.23	2.93	2.23	2.14	1.09	2.42	1.47	0.18		
5	0.59	0.81	3.45	2.04	2.04	2.52	7.48	2.14	21.52	2.42	1.47	0.18		
6	0.54	2.61	3.06	1.95	2.14	2.23	27.74	2.14	21.28	2.42	1.47	0.18		
7	0.54	5.27	2.93	1.85	2.71	2.14	43.96	2.14	9.60	2.42	1.19	0.18		
8	0.54	18.30	2.71	1.85	2.04	3.84	17.42	2.14	5.53	2.42	0.81	0.18		
9	0.50	45.69	2.80	2.04	2.14	2.71	8.48	1.47	4.10	2.42	0.41	0.18		
10	0.50	40.01	2.61	2.33	2.14	2.14	6.70	1.09	3.32	1.95	0.32	0.18		
11	0.50	18.30	2.61	2.23	4.62	1.76	5.79	1.09	2.71	1.47	0.32	0.18		
12	0.50	8.80	2.71	2.42	4.88	1.38	5.01	1.09	2.33	1.47	0.32	0.18		
13	0.50	6.05	2.52	2.42	3.71	1.95	3.97	1.09	2.04	1.47	0.32	0.23		
14	0.50	4.62	2.33	2.52	3.06	2.14	3.71	1.09	1.76	1.47	0.32	0.90		
15	0.50	3.71	1.95	2.33	2.71	1.47	4.10	1.09	2.52	1.47	0.27	1.00		
16	0.45	3.19	1.95	2.23	2.14	1.28	3.06	1.28	3.06	1.47	0.23	1.00		
17	0.45	2.61	3.06	2.04	1.95	1.19	2.52	2.80	2.61	1.47	0.23	1.00		
18	0.45	3.06	5.79	1.85	1.85	1.09	2.61	2.42	2.42	1.47	0.23	0.32		
19	0.50	4.10	3.19	1.95	1.76	1.09	2.52	1.19	2.42	1.47	0.23	0.18		
20	0.45	3.19	2.61	2.14	1.76	0.90	2.33	1.09	2.42	1.47	0.23	0.18		
21	0.45	3.19	2.33	4.36	1.57	0.90	3.32	1.09	2.42	1.47	0.23	0.18		
22	0.45	11.04	2.14	2.93	1.57	0.86	9.60	1.09	2.42	1.47	0.18	0.18		
23	0.45	20.11	2.04	2.33	1.66	0.77	5.27	1.95	2.42	1.47	0.18	0.18		
24	0.45	8.80	2.04	2.14	1.38	0.68	4.10	1.95	2.42	1.47	0.18	0.18		
25	0.45	6.57	1.95	1.95	1.09	0.86	3.45	1.28	2.42	1.47	0.18	0.18		
26	0.45	5.27	2.23	1.85	1.00	1.57	2.71	3.45	2.42	1.47	0.18	0.18		
27	0.45	4.49	2.71	1.76	1.28	1.19	2.33	2.23	2.42	1.47	0.18	0.18		
28	0.45	4.36	2.80	1.66	1.38	1.19	4.10	1.38	2.42	1.47	0.18	0.18		
29	0.45	4.23	2.61	1.85	1.95	1.66	3.19	1.09	2.42	1.47		0.18		
30	0.45	3.71	2.14	2.42	1.85	1.85	2.23	1.09	2.42	1.47		0.18		
31		3.32		1.85	1.38		2.14		2.42	1.47		0.18		
Total	15.22	248.86	84.11	67.47	66.21	49.95	195.72	50.51	120.62	54.60	15.74	8.95	977.96	CMSDAY
Mean	0.51	8.03	2.80	2.18	2.14	1.67	6.31	1.68	3.89	1.76	0.56	0.29	2.68	CMS
Max	0.77	45.69	5.79	4.36	4.88	3.84	43.96	3.45	21.52	2.42	1.47	1.00	45.69	CMS
Min	0.45	0.45	1.95	1.66	1.00	0.68	1.09	1.09	1.09	1.47	0.18	0.18	0.18	CMS
Runoff	1.32	21.50	7.27	5.83	5.72	4.32	16.91	4.36	10.42	4.72	1.36	0.77	84.50	MCM
Momentary Peak	CMS. at 10.70 m. (MSL.) at 18.00 Hours , on Oct 6, 2022													
Runoff Yield	18.74	Liters/Second/Square KM.				Momentary Peak Yield				683.92	Liters/Second/Square KM.			

WATER YEAR : 2022**WEST COAST - GULF BASIN****Khlong Krut at Ban Nong Ya Plong , Prachuap Khiri Khan (Gt.10)**

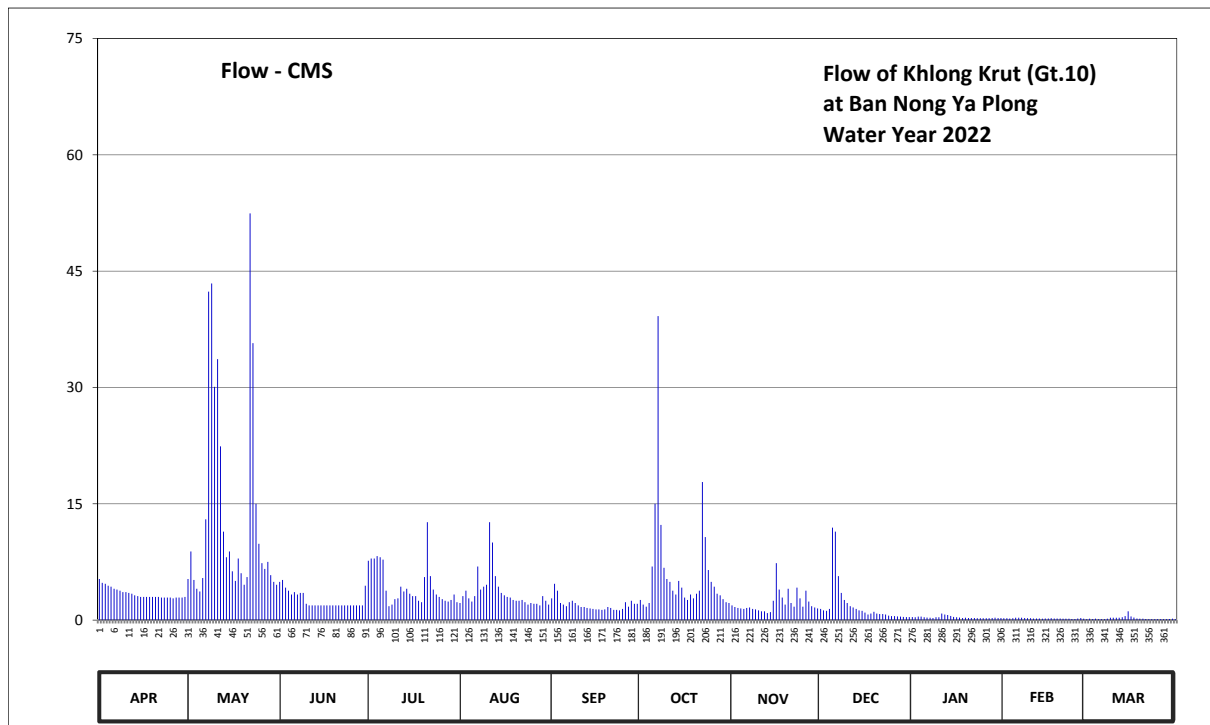
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Location : on right bank at the bridge of Phet Kasem Highway near the guidepost 379.

	Ban	Nong Ya Plong	Amphoe	Bang Saphan	Changwat	Prachuap Khiri Khan
Drainge Area	112	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+25.400	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank at the abutment of the bridge.				Elevation	+30.730 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1979 to date					
Rating Operation						
Period of Rating	1980 to date					
Rated by Float	-					
Rated by Current Meter	1980 to date					
Stability of Channel Regimes	Rather unstable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 23 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	23.52	23.52	23.49	23.69	23.24	23.30	23.28	23.21	23.14	22.93	22.88	22.84	
2	23.48	23.77	23.51	23.71	23.33	23.47	23.22	23.18	23.11	22.92	22.88	22.86	
3	23.47	23.51	23.43	23.71	23.40	23.40	23.19	23.16	23.10	22.95	22.87	22.85	
4	23.45	23.42	23.40	23.73	23.30	23.24	23.24	23.15	23.14	22.95	22.88	22.86	
5	23.44	23.39	23.35	23.72	23.26	23.22	23.64	23.14	23.95	22.92	22.90	22.84	
6	23.42	23.53	23.38	23.70	23.33	23.20	24.11	23.16	23.92	22.91	22.90	22.84	
7	23.41	24.01	23.35	23.40	23.64	23.25	24.94	23.17	23.55	22.90	22.90	22.84	
8	23.40	25.03	23.37	23.20	23.41	23.27	23.97	23.14	23.37	22.89	22.89	22.86	
9	23.38	25.06	23.37	23.22	23.44	23.24	23.63	23.13	23.28	22.92	22.88	22.90	
10	23.38	24.67	23.23	23.29	23.46	23.21	23.52	23.11	23.24	22.92	22.88	22.90	
11	23.37	24.78	23.21	23.30	23.99	23.18	23.49	23.09	23.20	23.04	22.87	22.90	
12	23.36	24.42	23.21	23.44	23.84	23.18	23.40	23.09	23.17	23.02	22.87	22.90	
13	23.34	23.92	23.21	23.39	23.55	23.16	23.35	23.05	23.14	23.01	22.87	22.92	
14	23.33	23.72	23.21	23.42	23.44	23.15	23.50	23.07	23.11	22.98	22.86	22.97	
15	23.32	23.77	23.21	23.36	23.37	23.14	23.43	23.27	23.10	22.94	22.87	23.09	
16	23.32	23.60	23.21	23.33	23.34	23.13	23.31	23.67	23.06	22.92	22.87	22.96	
17	23.32	23.50	23.21	23.33	23.32	23.13	23.28	23.41	23.02	22.91	22.88	22.91	
18	23.32	23.71	23.21	23.27	23.31	23.12	23.35	23.31	23.04	22.89	22.87	22.87	
19	23.32	23.58	23.21	23.25	23.28	23.13	23.30	23.22	23.08	22.90	22.87	22.86	
20	23.32	23.46	23.21	23.54	23.27	23.18	23.36	23.42	23.04	22.89	22.87	22.86	
21	23.32	23.54	23.21	23.99	23.27	23.16	23.40	23.24	23.03	22.89	22.86	22.85	
22	23.31	25.31	23.21	23.55	23.28	23.12	24.24	23.19	23.03	22.89	22.86	22.84	
23	23.31	24.84	23.21	23.41	23.25	23.12	23.88	23.43	23.02	22.88	22.86	22.84	
24	23.31	24.11	23.21	23.35	23.22	23.11	23.61	23.30	22.99	22.88	22.85	22.84	
25	23.31	23.83	23.21	23.32	23.24	23.14	23.49	23.19	22.97	22.88	22.85	22.84	
26	23.30	23.67	23.21	23.29	23.23	23.25	23.44	23.40	22.97	22.88	22.87	22.84	
27	23.31	23.62	23.21	23.27	23.23	23.19	23.36	23.26	22.96	22.88	22.89	22.84	
28	23.31	23.68	23.21	23.26	23.21	23.27	23.34	23.20	22.95	22.89	22.86	22.84	
29	23.31	23.56	23.21	23.28	23.33	23.23	23.29	23.17	22.94	22.90		22.85	
30	23.32	23.49	23.45	23.35	23.27	23.23	23.25	23.15	22.93	22.89		22.86	
31		23.46		23.25	23.22		23.24		22.93	22.89		22.84	
Mean	23.36	23.92	23.28	23.43	23.36	23.20	23.52	23.22	23.14	22.92	22.87	22.87	
Max	23.52	25.31	23.51	23.99	23.99	23.47	24.94	23.67	23.95	23.04	22.90	23.09	25.31
Min	23.30	23.39	23.21	23.20	23.21	23.11	23.19	23.05	22.93	22.88	22.85	22.84	22.84
Annual Max Momentary Gage Height	27.07		m. (MSL.) ,			at 18.00 Hours ,	on May 11, 2022						
Zero Gage at Bottom Elevation		25.40	m. (MSL.) ,			River Bed	22.53	m. (MSL.)					
Left Bank Elevation		28.95	m. (MSL.) ,										
Right Bank Elevation		28.36	m. (MSL.) ,			Drainage Are	112	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.30	5.30	4.93	7.65	2.20	2.80	2.60	1.90	1.44	0.39	0.24	0.12	
2	4.80	8.85	5.18	7.95	3.10	4.68	2.00	1.68	1.26	0.36	0.24	0.18	
3	4.68	5.18	4.18	7.95	3.80	3.80	1.74	1.56	1.20	0.45	0.21	0.15	
4	4.43	4.05	3.80	8.25	2.80	2.20	2.20	1.50	1.44	0.45	0.24	0.18	
5	4.30	3.70	3.30	8.10	2.40	2.00	6.90	1.44	11.93	0.36	0.30	0.12	
6	4.05	5.43	3.60	7.80	3.10	1.80	15.00	1.56	11.40	0.33	0.30	0.12	
7	3.93	13.00	3.30	3.80	6.90	2.30	39.20	1.62	5.68	0.30	0.30	0.12	
8	3.80	42.35	3.50	1.80	3.93	2.50	12.28	1.44	3.50	0.27	0.27	0.18	
9	3.60	43.40	3.50	2.00	4.30	2.20	6.75	1.38	2.60	0.36	0.24	0.30	
10	3.60	30.08	2.10	2.70	4.55	1.90	5.30	1.26	2.20	0.36	0.24	0.30	
11	3.50	33.65	1.90	2.80	12.63	1.68	4.93	1.14	1.80	0.84	0.21	0.30	
12	3.40	22.40	1.90	4.30	10.00	1.68	3.80	1.14	1.62	0.72	0.21	0.30	
13	3.20	11.40	1.90	3.70	5.68	1.56	3.30	0.90	1.44	0.66	0.21	0.36	
14	3.10	8.10	1.90	4.05	4.30	1.50	5.05	1.02	1.26	0.54	0.18	0.51	
15	3.00	8.85	1.90	3.40	3.50	1.44	4.18	2.50	1.20	0.42	0.21	1.14	
16	3.00	6.30	1.90	3.10	3.20	1.38	2.90	7.35	0.96	0.36	0.21	0.48	
17	3.00	5.05	1.90	3.10	3.00	1.38	2.60	3.93	0.72	0.33	0.24	0.33	
18	3.00	7.95	1.90	2.50	2.90	1.32	3.30	2.90	0.84	0.27	0.21	0.21	
19	3.00	6.05	1.90	2.30	2.60	1.38	2.80	2.00	1.08	0.30	0.21	0.18	
20	3.00	4.55	1.90	5.55	2.50	1.68	3.40	4.05	0.84	0.27	0.21	0.18	
21	3.00	5.55	1.90	12.63	2.50	1.56	3.80	2.20	0.78	0.27	0.18	0.15	
22	2.90	52.43	1.90	5.68	2.60	1.32	17.80	1.74	0.78	0.27	0.18	0.12	
23	2.90	35.70	1.90	3.93	2.30	1.32	10.70	4.18	0.72	0.24	0.18	0.12	
24	2.90	15.00	1.90	3.30	2.00	1.26	6.45	2.80	0.57	0.24	0.15	0.12	
25	2.90	9.83	1.90	3.00	2.20	1.44	4.93	1.74	0.51	0.24	0.15	0.12	
26	2.80	7.35	1.90	2.70	2.10	2.30	4.30	3.80	0.51	0.24	0.21	0.12	
27	2.90	6.60	1.90	2.50	2.10	1.74	3.40	2.40	0.48	0.24	0.27	0.12	
28	2.90	7.50	1.90	2.40	1.90	2.50	3.20	1.80	0.45	0.27	0.18	0.12	
29	2.90	5.80	1.90	2.60	3.10	2.10	2.70	1.62	0.42	0.30		0.15	
30	3.00	4.93	4.43	3.30	2.50	2.10	2.30	1.50	0.39	0.27		0.18	
31		4.55		2.30	2.00		2.20		0.39	0.27		0.12	
Total	102.79	430.88	77.92	137.14	112.69	58.82	192.01	66.05	60.41	11.19	6.18	7.20	1263.28 CMSDAY
Mean	3.43	13.90	2.60	4.42	3.64	1.96	6.19	2.20	1.95	0.36	0.22	0.23	3.46 CMS
Max	5.30	52.43	5.18	12.63	12.63	4.68	39.20	7.35	11.93	0.84	0.30	1.14	52.43 CMS
Min	2.80	3.70	1.90	1.80	1.90	1.26	1.74	0.90	0.39	0.24	0.15	0.12	0.12 CMS
Runoff	8.88	37.23	6.73	11.85	9.74	5.08	16.59	5.71	5.22	0.97	0.53	0.62	109.15 MCM
Momentary Peak	136.65 CMS. at 27.07 m. (MSL.) at 18.00 Hours , on May 11, 2022												
Runoff Yield	30.90	Liters/Second/Square KM.		Momentary Peak Yield		1220.09	Liters/Second/Square KM.						

WATER YEAR : 2022**WEST COAST - GULF BASIN****Khlong Yai at Ban Chang Laek , Prachuap Khiri Khan (Gt.11)**

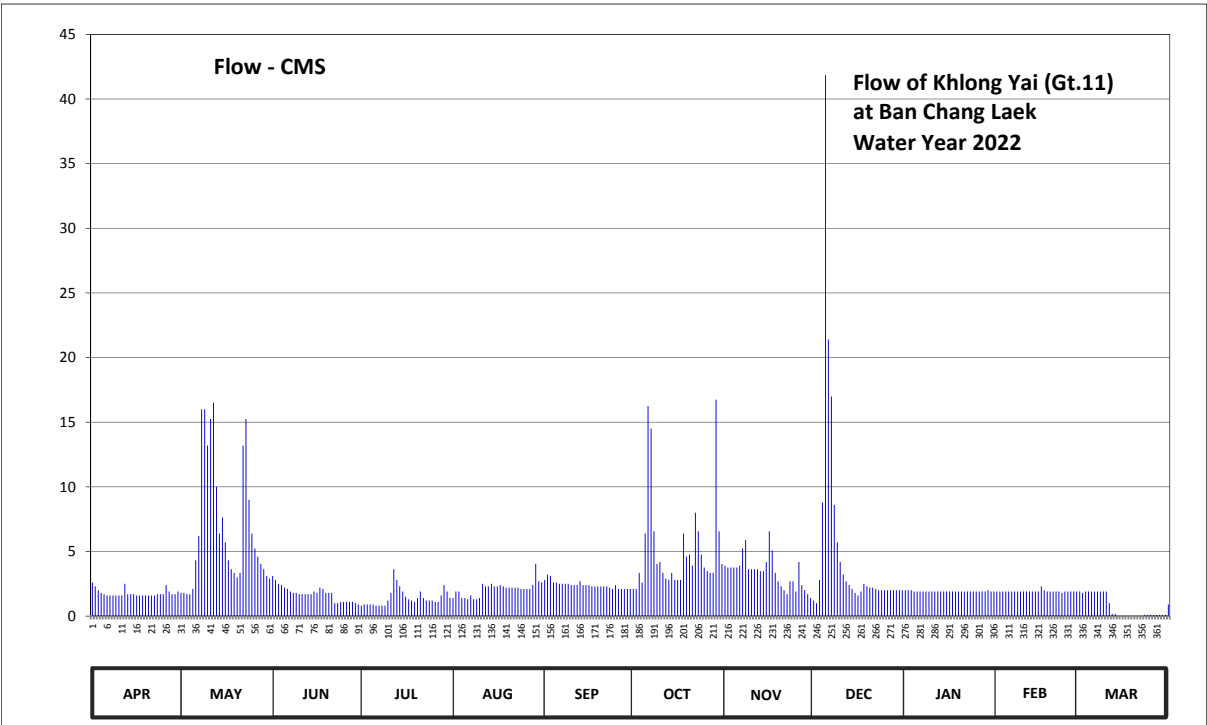
Lat 11 - 03 - 52 N Long 99 - 22 - 20 E

Location : on right bank at the bridge of Phet Kasem Highway near the guidepost 423.

	Ban	Chang Laek	Amphoe	Bang Saphan Noi	Changwat	Prachuap Khiri Khan
Drainage Area	58	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+37.600 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On right bank at the abutment of the bridge.				Elevation	+47.123 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1979 to date					
Rating Operation						
Period of Rating	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 19 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	38.24	38.16	38.29	38.06	38.12	38.26	38.19	38.35	38.10	38.18	38.17	38.17	
2	38.21	38.16	38.26	38.07	38.17	38.30	38.19	38.34	38.08	38.18	38.17	38.16	
3	38.18	38.15	38.23	38.07	38.17	38.29	38.31	38.34	38.26	38.18	38.17	38.17	
4	38.16	38.15	38.22	38.07	38.12	38.24	38.24	38.34	38.64	38.17	38.17	38.17	
5	38.15	38.19	38.20	38.07	38.12	38.24	38.51	38.34	39.81	38.17	38.17	38.17	
6	38.14	38.38	38.19	38.06	38.11	38.23	38.99	38.35	39.18	38.17	38.17	38.17	
7	38.14	38.50	38.17	38.06	38.14	38.23	38.92	38.44	39.02	38.17	38.17	38.17	
8	38.14	38.98	38.16	38.06	38.11	38.23	38.52	38.48	38.63	38.17	38.17	38.17	
9	38.14	38.98	38.16	38.06	38.11	38.23	38.36	38.33	38.47	38.17	38.17	38.17	
10	38.14	38.86	38.15	38.10	38.12	38.22	38.37	38.33	38.37	38.17	38.17	38.17	
11	38.14	38.95	38.15	38.16	38.23	38.22	38.31	38.33	38.30	38.17	38.17	38.08	
12	38.23	39.00	38.15	38.33	38.21	38.22	38.27	38.33	38.25	38.17	38.17	37.99	
13	38.15	38.70	38.15	38.26	38.21	38.25	38.26	38.32	38.22	38.17	38.17	37.99	
14	38.15	38.51	38.15	38.21	38.23	38.22	38.31	38.32	38.19	38.17	38.17	37.91	
15	38.15	38.58	38.17	38.17	38.21	38.22	38.26	38.37	38.16	38.17	38.17	37.79	
16	38.14	38.47	38.16	38.13	38.21	38.22	38.26	38.52	38.14	38.17	38.21	37.78	
17	38.14	38.38	38.20	38.11	38.22	38.21	38.26	38.43	38.17	38.17	38.18	37.77	
18	38.14	38.33	38.19	38.10	38.21	38.21	38.51	38.31	38.23	38.17	38.17	37.77	
19	38.14	38.31	38.16	38.09	38.20	38.21	38.40	38.25	38.21	38.17	38.17	37.77	
20	38.14	38.28	38.16	38.12	38.20	38.21	38.41	38.21	38.20	38.17	38.17	37.77	
21	38.14	38.31	38.16	38.17	38.20	38.21	38.35	38.18	38.20	38.17	38.17	37.77	
22	38.14	38.86	38.08	38.12	38.20	38.21	38.60	38.15	38.19	38.17	38.17	37.87	
23	38.15	38.95	38.08	38.10	38.20	38.20	38.52	38.25	38.18	38.17	38.16	37.95	
24	38.15	38.65	38.09	38.10	38.19	38.19	38.41	38.25	38.18	38.17	38.17	37.95	
25	38.15	38.51	38.09	38.10	38.19	38.22	38.34	38.17	38.18	38.17	38.17	37.95	
26	38.22	38.44	38.09	38.09	38.19	38.19	38.32	38.37	38.18	38.17	38.17	37.94	
27	38.17	38.40	38.09	38.09	38.19	38.19	38.31	38.22	38.18	38.17	38.17	37.94	
28	38.15	38.36	38.09	38.14	38.22	38.19	38.31	38.18	38.18	38.17	38.17	37.94	
29	38.15	38.33	38.08	38.22	38.36	38.19	39.01	38.15	38.18	38.18		37.94	
30	38.17	38.29	38.07	38.17	38.25	38.19	38.52	38.12	38.18	38.17		37.95	
31		38.27		38.12	38.24		38.36		38.18	38.17		38.07	
Mean	38.16	38.50	38.15	38.12	38.19	38.22	38.42	38.30	38.34	38.17	38.17	37.99	
Max	38.24	39.00	38.29	38.33	38.36	38.30	39.01	38.52	39.81	38.18	38.21	38.17	39.81
Min	38.14	38.15	38.07	38.06	38.11	38.19	38.19	38.12	38.08	38.17	38.16	37.77	37.77
Annual Max Momentary Gage Height	41.58	m. (MSL.) ,		at 08.00 Hours , on Dec 5, 2022									
Zero Gage at Bottom Elevation		37.60	m. (MSL.) ,		River Bed	37.63	m. (MSL.)						
Left Bank Elevation		43.10	m. (MSL.) ,										
Right Bank Elevation		42.12	m. (MSL.) ,		Drainage Are	58	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.60	1.80	3.10	0.80	1.40	2.80	2.10	3.90	1.20	2.00	1.90	1.90	
2	2.30	1.80	2.80	0.90	1.90	3.20	2.10	3.76	1.00	2.00	1.90	1.80	
3	2.00	1.70	2.50	0.90	1.90	3.10	3.34	3.76	2.80	2.00	1.90	1.90	
4	1.80	1.70	2.40	0.90	1.40	2.60	2.60	3.76	8.80	1.90	1.90	1.90	
5	1.70	2.10	2.20	0.90	1.40	2.60	6.38	3.76	41.85	1.90	1.90	1.90	
6	1.60	4.32	2.10	0.80	1.30	2.50	16.25	3.90	21.40	1.90	1.90	1.90	
7	1.60	6.20	1.90	0.80	1.60	2.50	14.50	5.24	17.00	1.90	1.90	1.90	
8	1.60	16.00	1.80	0.80	1.30	2.50	6.56	5.88	8.60	1.90	1.90	1.90	
9	1.60	16.00	1.80	0.80	1.30	2.50	4.04	3.62	5.72	1.90	1.90	1.90	
10	1.60	13.20	1.70	1.20	1.40	2.40	4.18	3.62	4.18	1.90	1.90	1.90	
11	1.60	15.25	1.70	1.80	2.50	2.40	3.34	3.62	3.20	1.90	1.90	1.00	
12	2.50	16.50	1.70	3.62	2.30	2.40	2.90	3.62	2.70	1.90	1.90	0.18	
13	1.70	10.00	1.70	2.80	2.30	2.70	2.80	3.48	2.40	1.90	1.90	0.18	
14	1.70	6.38	1.70	2.30	2.50	2.40	3.34	3.48	2.10	1.90	1.90	0.02	
15	1.70	7.64	1.90	1.90	2.30	2.40	2.80	4.18	1.80	1.90	1.90	0.00	
16	1.60	5.72	1.80	1.50	2.30	2.40	2.80	6.56	1.60	1.90	2.30	0.00	
17	1.60	4.32	2.20	1.30	2.40	2.30	2.80	5.08	1.90	1.90	2.00	0.00	
18	1.60	3.62	2.10	1.20	2.30	2.30	6.38	3.34	2.50	1.90	1.90	0.00	
19	1.60	3.34	1.80	1.10	2.20	2.30	4.60	2.70	2.30	1.90	1.90	0.00	
20	1.60	3.00	1.80	1.40	2.20	2.30	4.76	2.30	2.20	1.90	1.90	0.00	
21	1.60	3.34	1.80	1.90	2.20	2.30	3.90	2.00	2.20	1.90	1.90	0.00	
22	1.60	13.20	1.00	1.40	2.20	2.30	8.00	1.70	2.10	1.90	1.90	0.00	
23	1.70	15.25	1.00	1.20	2.20	2.20	6.56	2.70	2.00	1.90	1.80	0.10	
24	1.70	9.00	1.10	1.20	2.10	2.10	4.76	2.70	2.00	1.90	1.90	0.10	
25	1.70	6.38	1.10	1.20	2.10	2.40	3.76	1.90	2.00	1.90	1.90	0.10	
26	2.40	5.24	1.10	1.10	2.10	2.10	3.48	4.18	2.00	1.90	1.90	0.08	
27	1.90	4.60	1.10	1.10	2.10	2.10	3.34	2.40	2.00	1.90	1.90	0.08	
28	1.70	4.04	1.10	1.60	2.40	2.10	3.34	2.00	2.00	1.90	1.90	0.08	
29	1.70	3.62	1.00	2.40	4.04	2.10	16.75	1.70	2.00	2.00		0.08	
30	1.90	3.10	0.90	1.90	2.70	2.10	6.56	1.40	2.00	1.90		0.10	
31		2.90		1.40	2.60		4.04		2.00	1.90		0.90	
Total	53.50	211.26	51.90	44.12	64.94	72.40	163.06	102.24	157.55	59.30	53.60	21.90	1055.77 CMSDAY
Mean	1.78	6.81	1.73	1.42	2.09	2.41	5.26	3.41	5.08	1.91	1.91	0.71	2.89 CMS
Max	2.60	16.50	3.10	3.62	4.04	3.20	16.75	6.56	41.85	2.00	2.30	1.90	41.85 CMS
Min	1.60	1.70	0.90	0.80	1.30	2.10	2.10	1.40	1.00	1.90	1.80	0.00	0.00 CMS
Runoff	4.62	18.25	4.48	3.81	5.61	6.26	14.09	8.83	13.61	5.12	4.63	1.89	91.22 MCM
Momentary Peak	138.40 CMS. at 41.58 m. (MSL.) at 08.00 Hours , on Dec 5, 2022												
Runoff Yield	49.87	Liters/Second/Square KM.			Momentary Peak Yield			2386.21	Liters/Second/Square KM.				

WATER YEAR : 2022**WEST COAST - GULF BASIN****Huai Yang at Ban Huai Yang , Prachuap Khiri Khan (Gt.17)**

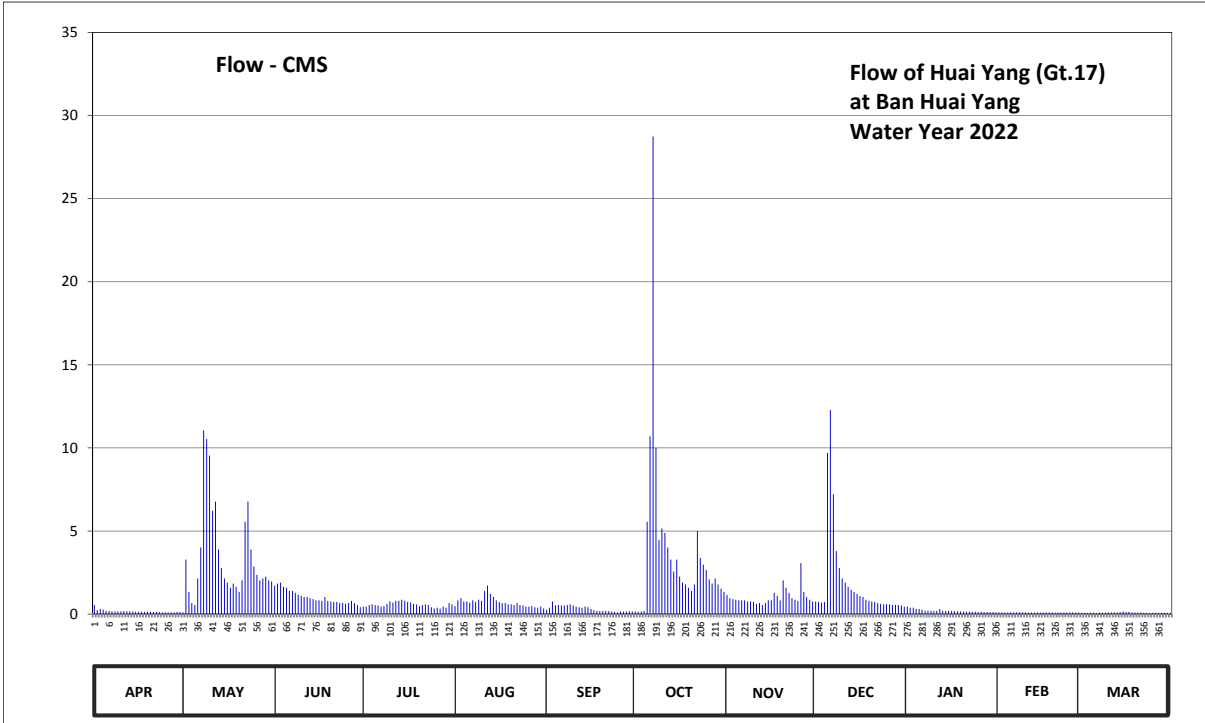
Lat 11 - 36 - 54 N Long 99 - 39 - 58 E

Location : on right bank at the bridge of Phet Kasem Highway near the guidepost 349.

	Ban	Huai Yang	Amphoe	Thap Sakae	Changwat	Prachuap Khiri Khan
Drainge Area	51	sq.km.				
Type of Gage	Staff gage.					
Zero Gage at Bottom	+8.800	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank at the abutment of the bridge.				Elevation	+14.491 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings.					
Period of Available Gage Records	1987 to date					
Rating Operation						
Period of Rating	1987 to date					
Rated by Float	-					
Rated by Current Meter	1987 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow effected by the local weir about 200 meters downstream from the gage site. Stage-discharge relation defined by 21 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	9.30	9.11	9.53	9.27	9.28	9.22	9.16	9.44	9.36	9.27	9.11	9.08	
2	9.21	9.71	9.55	9.27	9.38	9.25	9.14	9.41	9.35	9.25	9.11	9.08	
3	9.23	9.47	9.56	9.30	9.41	9.36	9.15	9.40	9.34	9.25	9.11	9.08	
4	9.22	9.33	9.52	9.31	9.36	9.29	9.19	9.39	9.35	9.23	9.11	9.09	
5	9.20	9.30	9.51	9.30	9.36	9.30	9.90	9.38	10.18	9.23	9.11	9.09	
6	9.19	9.60	9.48	9.29	9.34	9.29	10.24	9.38	10.33	9.22	9.11	9.06	
7	9.17	9.78	9.48	9.27	9.38	9.29	11.09	9.38	10.02	9.20	9.11	9.10	
8	9.16	10.26	9.46	9.28	9.35	9.30	10.20	9.36	9.76	9.20	9.11	9.10	
9	9.16	10.23	9.44	9.32	9.39	9.31	9.82	9.36	9.66	9.20	9.11	9.10	
10	9.16	10.17	9.43	9.36	9.37	9.29	9.87	9.35	9.60	9.19	9.11	9.11	
11	9.18	9.95	9.42	9.34	9.48	9.27	9.85	9.32	9.56	9.20	9.10	9.11	
12	9.17	9.99	9.42	9.37	9.53	9.26	9.78	9.33	9.52	9.23	9.10	9.11	
13	9.16	9.77	9.41	9.37	9.45	9.25	9.71	9.30	9.49	9.20	9.10	9.11	
14	9.15	9.66	9.40	9.39	9.42	9.27	9.64	9.33	9.47	9.20	9.10	9.12	
15	9.14	9.60	9.38	9.37	9.38	9.26	9.71	9.38	9.45	9.19	9.10	9.15	
16	9.14	9.56	9.38	9.35	9.35	9.23	9.61	9.38	9.43	9.20	9.10	9.12	
17	9.14	9.51	9.37	9.34	9.33	9.21	9.56	9.46	9.42	9.17	9.11	9.12	
18	9.13	9.55	9.42	9.32	9.33	9.20	9.54	9.43	9.39	9.17	9.11	9.10	
19	9.14	9.52	9.37	9.31	9.31	9.19	9.51	9.38	9.37	9.16	9.11	9.10	
20	9.14	9.47	9.36	9.28	9.31	9.19	9.48	9.58	9.36	9.15	9.10	9.10	
21	9.13	9.58	9.35	9.30	9.30	9.19	9.54	9.51	9.35	9.15	9.10	9.10	
22	9.13	9.90	9.35	9.31	9.33	9.18	9.86	9.46	9.33	9.14	9.10	9.08	
23	9.12	9.99	9.33	9.30	9.30	9.15	9.72	9.41	9.32	9.14	9.11	9.08	
24	9.11	9.77	9.33	9.26	9.29	9.13	9.68	9.39	9.31	9.14	9.10	9.08	
25	9.11	9.67	9.32	9.24	9.27	9.11	9.65	9.37	9.31	9.12	9.10	9.08	
26	9.10	9.62	9.33	9.25	9.27	9.16	9.59	9.69	9.31	9.13	9.11	9.08	
27	9.11	9.58	9.37	9.24	9.28	9.15	9.55	9.47	9.30	9.12	9.10	9.08	
28	9.11	9.60	9.33	9.27	9.26	9.15	9.60	9.42	9.30	9.12	9.10	9.08	
29	9.13	9.61	9.30	9.25	9.25	9.16	9.54	9.39	9.30	9.12		9.08	
30	9.12	9.58	9.26	9.33	9.27	9.16	9.50	9.36	9.29	9.12		9.08	
31		9.57		9.31	9.24		9.47		9.27	9.11		9.08	
Mean	9.16	9.68	9.41	9.31	9.34	9.23	9.67	9.41	9.48	9.18	9.11	9.09	
Max	9.30	10.26	9.56	9.39	9.53	9.36	11.09	9.69	10.33	9.27	9.11	9.15	11.09
Min	9.10	9.11	9.26	9.24	9.24	9.11	9.14	9.30	9.27	9.11	9.10	9.06	9.06
Annual Max Momentary Gage Height	12.07		m. (MSL.) ,			at 12.00 Hours , on Oct 7, 2022							
Zero Gage at Bottom Elevation		8.80	m. (MSL.) ,			River Bed	9.06	m. (MSL.)					
Left Bank Elevation		14.54	m. (MSL.) ,										
Right Bank Elevation		14.57	m. (MSL.) ,			Drainage Are	51	Square Kilometers					



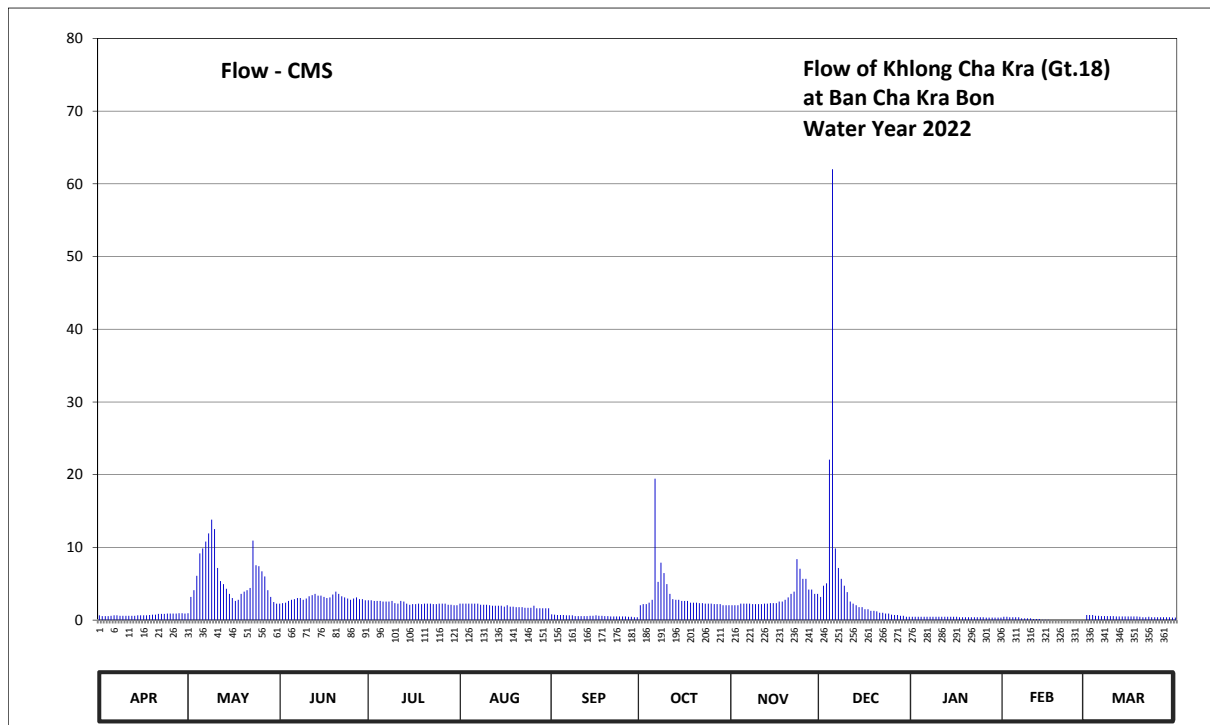
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.55	0.11	1.71	0.45	0.48	0.27	0.16	1.15	0.76	0.45	0.11	0.08		
2	0.24	3.28	1.84	0.45	0.83	0.38	0.14	0.96	0.73	0.38	0.11	0.08		
3	0.31	1.34	1.90	0.55	0.96	0.76	0.15	0.90	0.69	0.38	0.11	0.08		
4	0.27	0.66	1.65	0.59	0.76	0.52	0.19	0.87	0.73	0.31	0.11	0.09		
5	0.20	0.55	1.59	0.55	0.76	0.55	5.55	0.83	9.69	0.31	0.11	0.09		
6	0.19	2.15	1.40	0.52	0.69	0.52	10.70	0.83	12.28	0.27	0.11	0.06		
7	0.17	4.00	1.40	0.45	0.83	0.52	28.74	0.83	7.21	0.20	0.11	0.10		
8	0.16	11.05	1.28	0.48	0.73	0.55	10.00	0.76	3.79	0.20	0.11	0.10		
9	0.16	10.53	1.15	0.62	0.87	0.59	4.47	0.76	2.77	0.20	0.11	0.10		
10	0.16	9.54	1.09	0.76	0.80	0.52	5.15	0.73	2.15	0.19	0.11	0.11		
11	0.18	6.23	1.03	0.69	1.40	0.45	4.88	0.62	1.90	0.20	0.10	0.11		
12	0.17	6.77	1.03	0.80	1.71	0.41	4.00	0.66	1.65	0.31	0.10	0.11		
13	0.16	3.89	0.96	0.80	1.21	0.38	3.28	0.55	1.46	0.20	0.10	0.11		
14	0.15	2.77	0.90	0.87	1.03	0.45	2.56	0.66	1.34	0.20	0.10	0.12		
15	0.14	2.15	0.83	0.80	0.83	0.41	3.28	0.83	1.21	0.19	0.10	0.15		
16	0.14	1.90	0.83	0.73	0.73	0.31	2.25	0.83	1.09	0.20	0.10	0.12		
17	0.14	1.59	0.80	0.69	0.66	0.24	1.90	1.28	1.03	0.17	0.11	0.12		
18	0.13	1.84	1.03	0.62	0.66	0.20	1.78	1.09	0.87	0.17	0.11	0.10		
19	0.14	1.65	0.80	0.59	0.59	0.19	1.59	0.83	0.80	0.16	0.11	0.10		
20	0.14	1.34	0.76	0.48	0.59	0.19	1.40	2.03	0.76	0.15	0.10	0.10		
21	0.13	2.03	0.73	0.55	0.55	0.19	1.78	1.59	0.73	0.15	0.10	0.10		
22	0.13	5.55	0.73	0.59	0.66	0.18	5.01	1.28	0.66	0.14	0.10	0.08		
23	0.12	6.77	0.66	0.55	0.55	0.15	3.38	0.96	0.62	0.14	0.11	0.08		
24	0.11	3.89	0.66	0.41	0.52	0.13	2.97	0.87	0.59	0.14	0.10	0.08		
25	0.11	2.87	0.62	0.34	0.45	0.11	2.66	0.80	0.59	0.12	0.10	0.08		
26	0.10	2.36	0.66	0.38	0.45	0.16	2.09	3.07	0.59	0.13	0.11	0.08		
27	0.11	2.03	0.80	0.34	0.48	0.15	1.84	1.34	0.55	0.12	0.10	0.08		
28	0.11	2.15	0.66	0.45	0.41	0.15	2.15	1.03	0.55	0.12	0.10	0.08		
29	0.13	2.25	0.55	0.38	0.38	0.16	1.78	0.87	0.55	0.12	0.08	0.08		
30	0.12	2.03	0.41	0.66	0.45	0.16	1.53	0.76	0.52	0.12	0.08	0.08		
31		1.96		0.59	0.34		1.34		0.45	0.11		0.08		
Total	5.07	107.23	30.46	17.73	22.36	9.95	118.70	30.57	59.31	6.25	2.95	2.93	413.51	CMSDAY
Mean	0.17	3.46	1.02	0.57	0.72	0.33	3.83	1.02	1.91	0.20	0.11	0.09	1.13	CMS
Max	0.55	11.05	1.90	0.87	1.71	0.76	28.74	3.07	12.28	0.45	0.11	0.15	28.74	CMS
Min	0.10	0.11	0.41	0.34	0.34	0.11	0.14	0.55	0.45	0.11	0.10	0.06	0.06	CMS
Runoff	0.44	9.26	2.63	1.53	1.93	0.86	10.26	2.64	5.12	0.54	0.25	0.25	35.73	MCM
Momentary Peak	60.48	CMS. at 12.07 m. (MSL.) at 12.00 Hours , on Oct 7, 2022												
Runoff Yield	22.21	Liters/Second/Square KM.			Momentary Peak Yield			1185.88	Liters/Second/Square KM.					

Lat 11 - 26 - 50 N Long 99 - 33 - 58 E

	Ban	Cha Kra Bon	Amphoe	Thap Sakae	Changwat	Prachuap Khiri Khan
Drainage Area	91	sq.km.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+11.700	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the abutment of the bridge.				Elevation	+17.220 m. (MSL.)
Gage Reading Frequency	3-time daily readings at 06.00, 12.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 3 readings					
Period of Available Gage Records	1987 to date					
Rating Operation						
Period of Rating	1987 to date					
Rated by Float	-					
Rated by Current Meter	1987 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 22 discharge measurements made in 2022.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	12.43	12.49	12.68	12.74	12.68	12.46	12.65	12.65	12.80	12.39	12.39	12.44	
2	12.41	12.80	12.69	12.74	12.68	12.45	12.67	12.65	12.97	12.39	12.39	12.44	
3	12.41	12.91	12.70	12.73	12.68	12.44	12.67	12.65	13.00	12.39	12.38	12.44	
4	12.41	13.10	12.73	12.73	12.68	12.44	12.70	12.68	14.19	12.39	12.38	12.42	
5	12.42	13.35	12.75	12.73	12.68	12.44	12.75	12.68	15.90	12.39	12.38	12.42	
6	12.43	13.40	12.76	12.72	12.68	12.43	14.04	12.68	13.40	12.39	12.38	12.41	
7	12.43	13.47	12.78	12.72	12.68	12.43	13.02	12.68	13.19	12.39	12.35	12.41	
8	12.42	13.55	12.78	12.72	12.66	12.43	13.25	12.67	13.06	12.39	12.35	12.41	
9	12.42	13.68	12.75	12.73	12.66	12.41	13.13	12.67	12.97	12.39	12.35	12.41	
10	12.42	13.59	12.77	12.69	12.66	12.41	12.99	12.67	12.88	12.39	12.35	12.41	
11	12.42	13.19	12.81	12.68	12.65	12.41	12.85	12.67	12.72	12.39	12.33	12.40	
12	12.42	13.03	12.83	12.73	12.64	12.41	12.76	12.68	12.68	12.39	12.33	12.40	
13	12.42	12.99	12.85	12.72	12.64	12.41	12.75	12.68	12.65	12.39	12.33	12.40	
14	12.43	12.93	12.82	12.68	12.64	12.42	12.75	12.69	12.61	12.39	12.31	12.40	
15	12.43	12.85	12.82	12.66	12.64	12.42	12.73	12.69	12.61	12.39	12.31	12.40	
16	12.43	12.78	12.80	12.67	12.62	12.43	12.73	12.69	12.57	12.39	12.31	12.40	
17	12.43	12.73	12.78	12.67	12.65	12.42	12.73	12.72	12.57	12.38	12.30	12.40	
18	12.44	12.75	12.79	12.68	12.62	12.42	12.70	12.72	12.54	12.38	12.30	12.40	
19	12.45	12.85	12.84	12.67	12.62	12.41	12.70	12.75	12.54	12.38	12.30	12.39	
20	12.45	12.89	12.89	12.68	12.61	12.41	12.70	12.79	12.53	12.38	12.30	12.38	
21	12.47	12.91	12.85	12.68	12.61	12.40	12.69	12.85	12.50	12.38	12.30	12.38	
22	12.47	12.94	12.81	12.68	12.61	12.40	12.69	12.89	12.50	12.38	12.28	12.39	
23	12.47	13.48	12.79	12.67	12.60	12.40	12.68	13.29	12.48	12.38	12.28	12.38	
24	12.48	13.22	12.77	12.67	12.60	12.40	12.68	13.18	12.48	12.38	12.27	12.38	
25	12.48	13.21	12.75	12.68	12.60	12.40	12.68	13.06	12.45	12.38	12.27	12.38	
26	12.48	13.15	12.77	12.68	12.64	12.40	12.67	13.06	12.44	12.37	12.27	12.38	
27	12.48	13.09	12.79	12.68	12.59	12.39	12.67	12.92	12.44	12.37	12.26	12.38	
28	12.49	12.91	12.76	12.66	12.59	12.39	12.67	12.92	12.42	12.37	12.26	12.38	
29	12.49	12.80	12.76	12.66	12.59	12.38	12.65	12.85	12.42	12.37		12.38	
30	12.48	12.71	12.74	12.65	12.59	12.38	12.65	12.85	12.39	12.37</			



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.65	0.95	2.26	2.72	2.26	0.80	2.05	2.05	3.20	0.45	0.45	0.70		
2	0.55	3.20	2.33	2.72	2.26	0.75	2.19	2.05	4.74	0.45	0.45	0.70		
3	0.55	4.11	2.40	2.64	2.26	0.70	2.19	2.05	5.05	0.45	0.40	0.70		
4	0.55	6.10	2.64	2.64	2.26	0.70	2.40	2.26	22.08	0.45	0.40	0.60		
5	0.60	9.18	2.80	2.64	2.26	0.70	2.80	2.26	62.00	0.45	0.40	0.60		
6	0.65	9.85	2.88	2.56	2.26	0.65	19.45	2.26	9.85	0.45	0.40	0.55		
7	0.65	10.80	3.04	2.56	2.26	0.65	5.26	2.26	7.18	0.45	0.25	0.55		
8	0.60	11.93	3.04	2.56	2.12	0.65	7.90	2.19	5.68	0.45	0.25	0.55		
9	0.60	13.81	2.80	2.64	2.12	0.55	6.46	2.19	4.74	0.45	0.25	0.55		
10	0.60	12.51	2.96	2.33	2.12	0.55	4.95	2.19	3.84	0.45	0.25	0.55		
11	0.60	7.18	3.28	2.26	2.05	0.55	3.60	2.19	2.56	0.45	0.15	0.50		
12	0.60	5.37	3.44	2.64	1.98	0.55	2.88	2.26	2.26	0.45	0.15	0.50		
13	0.60	4.95	3.60	2.56	1.98	0.55	2.80	2.26	2.05	0.45	0.15	0.50		
14	0.65	4.32	3.36	2.26	1.98	0.60	2.80	2.33	1.77	0.45	0.05	0.50		
15	0.65	3.60	3.36	2.12	1.98	0.60	2.64	2.33	1.77	0.45	0.05	0.50		
16	0.65	3.04	3.20	2.19	1.84	0.65	2.64	2.33	1.49	0.45	0.05	0.50		
17	0.65	2.64	3.04	2.19	2.05	0.60	2.64	2.56	1.49	0.40	0.00	0.50		
18	0.70	2.80	3.12	2.26	1.84	0.60	2.40	2.56	1.28	0.40	0.00	0.50		
19	0.75	3.60	3.52	2.19	1.84	0.55	2.40	2.80	1.28	0.40	0.00	0.45		
20	0.75	3.92	3.92	2.26	1.77	0.55	2.40	3.12	1.21	0.40	0.00	0.40		
21	0.85	4.11	3.60	2.26	1.77	0.50	2.33	3.60	1.00	0.40	0.00	0.40		
22	0.85	4.42	3.28	2.26	1.77	0.50	2.33	3.92	1.00	0.40	0.00	0.45		
23	0.85	10.93	3.12	2.19	1.70	0.50	2.26	8.38	0.90	0.40	0.00	0.40		
24	0.90	7.54	2.96	2.19	1.70	0.50	2.26	7.06	0.90	0.40	0.00	0.40		
25	0.90	7.42	2.80	2.26	1.70	0.50	2.26	5.68	0.75	0.40	0.00	0.40		
26	0.90	6.70	2.96	2.26	1.98	0.50	2.19	5.68	0.70	0.35	0.00	0.40		
27	0.90	6.00	3.12	2.26	1.63	0.45	2.19	4.21	0.70	0.35	0.00	0.40		
28	0.95	4.11	2.88	2.12	1.63	0.45	2.19	4.21	0.60	0.35	0.00	0.40		
29	0.95	3.20	2.88	2.12	1.63	0.40	2.05	3.60	0.60	0.35		0.40		
30	0.90	2.48	2.72	2.05	1.63	0.40	2.05	3.60	0.45	0.35		0.35		
31		2.26		2.05	1.63		2.05		0.45	0.35		0.35		
Total	21.55	183.03	91.31	72.96	60.26	17.20	107.01	96.44	153.57	12.90	4.10	15.25	835.58	CMSDAY
Mean	0.72	5.90	3.04	2.35	1.94	0.57	3.45	3.21	4.95	0.42	0.15	0.49	2.29	CMS
Max	0.95	13.81	3.92	2.72	2.26	0.80	19.45	8.38	62.00	0.45	0.45	0.70	62.00	CMS
Min	0.55	0.95	2.26	2.05	1.63	0.40	2.05	2.05	0.45	0.35	0.00	0.35	0.00	CMS
Runoff	1.86	15.81	7.89	6.30	5.21	1.49	9.25	8.33	13.27	1.11	0.35	1.32	72.19	MCM
Momentary Peak	CMS. at 15.90 m. (MSL.) at 06.00 Hours , on Dec 5, 2022													
Runoff Yield	25.16	Liters/Second/Square KM.				Momentary Peak Yield				681.32	Liters/Second/Square KM.			

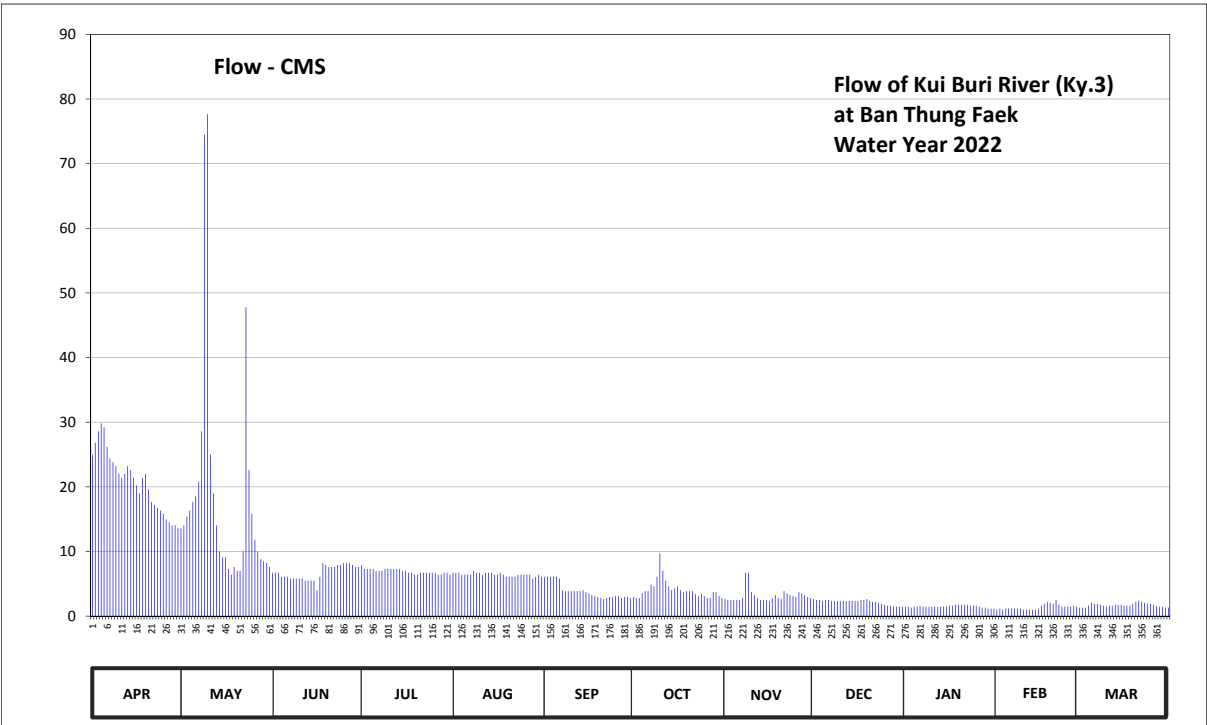
Lat 12 - 05 - 51 N Long 99 - 47 - 19 E

Location : on left bank at Bunchuai Bamrungrat Bridge near Wat Udom Wararam.

	Ban	Thung Faek	Amphoe	Kui Buri	Changwat	Prachuap Khiri Khan
Drainage Area	541	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+19.789	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 1 meter from the top staff gage.				Elevation	+25.915 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1997 to date					
Rating Operation						
Period of Rating	1997 to date					
Rated by Float	-					
Rated by Current Meter	1997 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 3 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	21.10	20.88	20.69	20.73	20.69	20.67	20.53	20.51	20.51	20.43	20.40	20.42	
2	21.13	20.89	20.69	20.71	20.69	20.67	20.52	20.50	20.50	20.43	20.41	20.42	
3	21.16	20.92	20.69	20.71	20.69	20.67	20.52	20.50	20.50	20.42	20.40	20.42	
4	21.18	20.94	20.67	20.71	20.68	20.67	20.57	20.50	20.49	20.43	20.41	20.44	
5	21.17	20.97	20.67	20.71	20.68	20.67	20.59	20.50	20.50	20.43	20.41	20.47	
6	21.12	20.99	20.67	20.70	20.68	20.66	20.59	20.50	20.50	20.44	20.41	20.46	
7	21.09	21.03	20.66	20.70	20.68	20.60	20.63	20.52	20.49	20.43	20.41	20.46	
8	21.08	21.16	20.66	20.70	20.70	20.59	20.62	20.69	20.49	20.43	20.41	20.45	
9	21.07	21.70	20.66	20.71	20.69	20.59	20.67	20.69	20.49	20.43	20.41	20.44	
10	21.05	21.73	20.66	20.71	20.69	20.59	20.79	20.58	20.49	20.43	20.40	20.43	
11	21.04	21.10	20.66	20.71	20.68	20.59	20.70	20.55	20.49	20.43	20.40	20.44	
12	21.05	21.00	20.65	20.71	20.69	20.59	20.65	20.52	20.49	20.43	20.40	20.44	
13	21.07	20.89	20.65	20.71	20.69	20.59	20.62	20.50	20.49	20.43	20.40	20.45	
14	21.06	20.80	20.65	20.71	20.69	20.60	20.60	20.50	20.49	20.43	20.40	20.45	
15	21.04	20.77	20.65	20.70	20.68	20.58	20.61	20.50	20.49	20.43	20.41	20.45	
16	21.02	20.77	20.60	20.70	20.68	20.57	20.62	20.49	20.49	20.44	20.44	20.44	
17	21.00	20.71	20.67	20.69	20.69	20.55	20.60	20.52	20.50	20.44	20.46	20.44	
18	21.04	20.68	20.74	20.69	20.68	20.54	20.58	20.55	20.50	20.45	20.48	20.44	
19	21.05	20.72	20.73	20.68	20.67	20.53	20.59	20.52	20.51	20.45	20.47	20.46	
20	21.01	20.70	20.72	20.68	20.67	20.52	20.59	20.51	20.49	20.45	20.46	20.48	
21	20.97	20.70	20.72	20.69	20.67	20.51	20.59	20.59	20.48	20.45	20.50	20.49	
22	20.96	20.80	20.72	20.69	20.67	20.52	20.56	20.57	20.48	20.45	20.45	20.48	
23	20.95	21.42	20.73	20.69	20.68	20.53	20.54	20.55	20.47	20.44	20.43	20.47	
24	20.94	21.06	20.73	20.69	20.68	20.53	20.56	20.54	20.46	20.44	20.43	20.46	
25	20.93	20.93	20.74	20.69	20.68	20.54	20.54	20.53	20.45	20.44	20.43	20.46	
26	20.91	20.84	20.74	20.69	20.68	20.54	20.52	20.58	20.44	20.43	20.43	20.45	
27	20.90	20.80	20.74	20.68	20.68	20.52	20.52	20.57	20.44	20.42	20.44	20.44	
28	20.89	20.76	20.73	20.68	20.66	20.53	20.58	20.55	20.43	20.42	20.43	20.43	
29	20.89	20.75	20.72	20.69	20.67	20.53	20.58	20.53	20.43	20.41		20.43	
30	20.88	20.74	20.72	20.69	20.68	20.52	20.54	20.52	20.43	20.41		20.42	
31		20.72		20.68	20.67		20.52		20.43	20.41		20.42	
Mean	21.02	20.93	20.69	20.70	20.68	20.58	20.59	20.54	20.48	20.43	20.43	20.45	
Max	21.18	21.73	20.74	20.73	20.70	20.67	20.79	20.69	20.51	20.45	20.50	20.49	21.73
Min	20.88	20.68	20.60	20.68	20.66	20.51	20.52	20.49	20.43	20.41	20.40	20.42	20.40
Annual Max Momentary Gage Height	23.15		m. (MSL.) ,			at 20.00 Hours , on May 9, 2022							
Zero Gage at Bottom Elevation		19.80	m. (MSL.) ,			River Bed	19.62	m. (MSL.)					
Left Bank Elevation		25.46	m. (MSL.) ,										
Right Bank Elevation		24.89	m. (MSL.) ,			Drainage Are	541	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	25.00	13.60	6.70	7.90	6.70	6.10	2.95	2.65	2.65	1.45	1.00	1.30	
2	26.80	14.05	6.70	7.30	6.70	6.10	2.80	2.50	2.50	1.45	1.15	1.30	
3	28.60	15.40	6.70	7.30	6.70	6.10	2.80	2.50	2.50	1.30	1.00	1.30	
4	29.80	16.30	6.10	7.30	6.40	6.10	3.55	2.50	2.35	1.45	1.15	1.60	
5	29.20	17.65	6.10	7.30	6.40	6.10	3.85	2.50	2.50	1.45	1.15	2.05	
6	26.20	18.55	6.10	7.00	6.40	5.80	3.85	2.50	2.50	1.60	1.15	1.90	
7	24.40	20.80	5.80	7.00	6.40	4.00	4.90	2.80	2.35	1.45	1.15	1.90	
8	23.80	28.60	5.80	7.00	7.00	3.85	4.60	6.70	2.35	1.45	1.15	1.75	
9	23.20	74.50	5.80	7.30	6.70	3.85	6.10	6.70	2.35	1.45	1.15	1.60	
10	22.00	77.65	5.80	7.30	6.70	3.85	9.70	3.70	2.35	1.45	1.00	1.45	
11	21.40	25.00	5.80	7.30	6.40	3.85	7.00	3.25	2.35	1.45	1.00	1.60	
12	22.00	19.00	5.50	7.30	6.70	3.85	5.50	2.80	2.35	1.45	1.00	1.60	
13	23.20	14.05	5.50	7.30	6.70	3.85	4.60	2.50	2.35	1.45	1.00	1.75	
14	22.60	10.00	5.50	7.30	6.70	4.00	4.00	2.50	2.35	1.45	1.00	1.75	
15	21.40	9.10	5.50	7.00	6.40	3.70	4.30	2.50	2.35	1.45	1.15	1.75	
16	20.20	9.10	4.00	7.00	6.40	3.55	4.60	2.35	2.35	1.60	1.60	1.60	
17	19.00	7.30	6.10	6.70	6.70	3.25	4.00	2.80	2.50	1.60	1.90	1.60	
18	21.40	6.40	8.20	6.70	6.40	3.10	3.70	3.25	2.50	1.75	2.20	1.60	
19	22.00	7.60	7.90	6.40	6.10	2.95	3.85	2.80	2.65	1.75	2.05	1.90	
20	19.60	7.00	7.60	6.40	6.10	2.80	3.85	2.65	2.35	1.75	1.90	2.20	
21	17.65	7.00	7.60	6.70	6.10	2.65	3.85	3.85	2.20	1.75	2.50	2.35	
22	17.20	10.00	7.60	6.70	6.10	2.80	3.40	3.55	2.20	1.75	1.75	2.20	
23	16.75	47.80	7.90	6.70	6.40	2.95	3.10	3.25	2.05	1.60	1.45	2.05	
24	16.30	22.60	7.90	6.70	6.40	2.95	3.40	3.10	1.90	1.60	1.45	1.90	
25	15.85	15.85	8.20	6.70	6.40	3.10	3.10	2.95	1.75	1.60	1.45	1.90	
26	14.95	11.80	8.20	6.70	6.40	3.10	2.80	3.70	1.60	1.45	1.45	1.75	
27	14.50	10.00	8.20	6.40	6.40	2.80	2.80	3.55	1.60	1.30	1.60	1.60	
28	14.05	8.80	7.90	6.40	5.80	2.95	3.70	3.25	1.45	1.30	1.45	1.45	
29	14.05	8.50	7.60	6.70	6.10	2.95	3.70	2.95	1.45	1.15		1.45	
30	13.60	8.20	7.60	6.70	6.40	2.80	3.10	2.80	1.45	1.15		1.30	
31		7.60		6.40	6.10		2.80		1.45	1.15		1.30	
Total	626.70	569.80	201.90	214.90	199.30	115.80	126.25	95.40	67.60	46.00	38.95	52.75	2355.35 CMSDAY
Mean	20.89	18.38	6.73	6.93	6.43	3.86	4.07	3.18	2.18	1.48	1.39	1.70	6.45 CMS
Max	29.80	77.65	8.20	7.90	7.00	6.10	9.70	6.70	2.65	1.75	2.50	2.35	77.65 CMS
Min	13.60	6.40	4.00	6.40	5.80	2.65	2.80	2.35	1.45	1.15	1.00	1.30	1.00 CMS
Runoff	54.15	49.23	17.44	18.57	17.22	10.01	10.91	8.24	5.84	3.97	3.37	4.56	203.50 MCM
Momentary Peak	275.50 CMS. at 23.15 m. (MSL.) at 20.00 Hours , on May 9, 2022												
Runoff Yield	11.93	Liters/Second/Square KM.		Momentary Peak Yield		509.24	Liters/Second/Square KM.						

WATER YEAR : 2022**PENINSULA - UPPER EAST COAST BASIN****Khlong Phum Duang at Ban Tha Khanon , Surat Thani (X.36)**

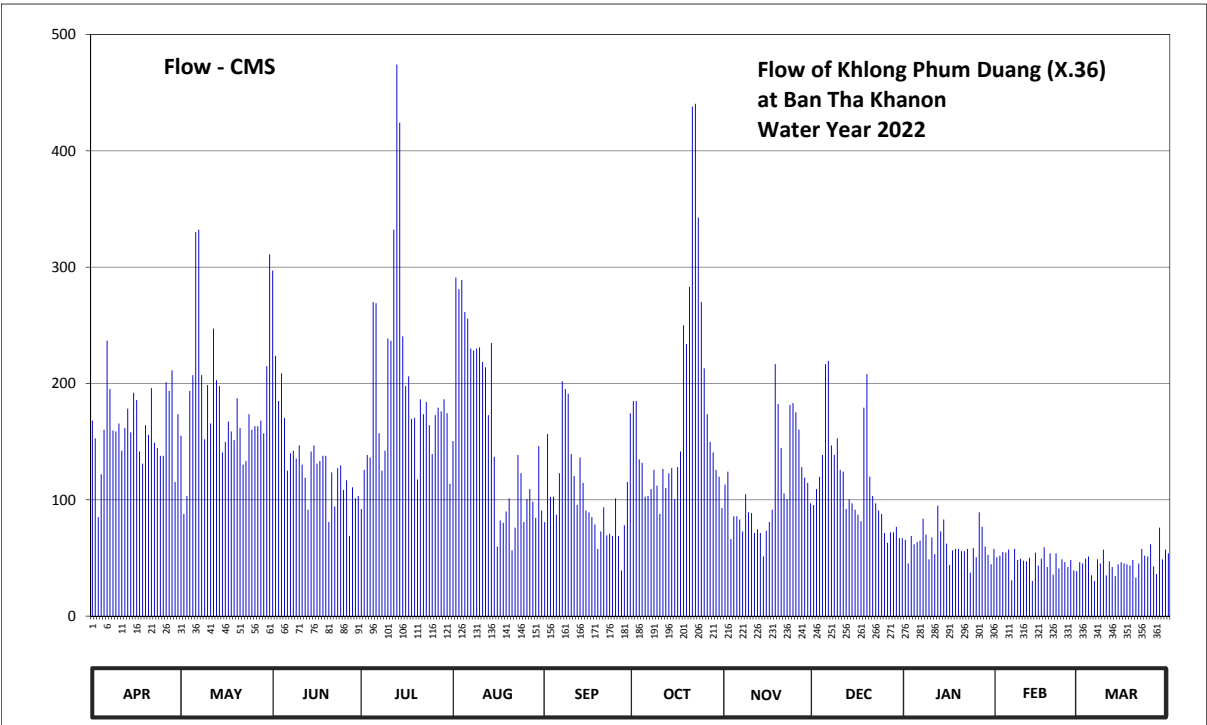
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Location : on left bank at Ban Tha Khanon.

	Ban	Tha Khanon	Amphoe	Khiri Ratnikhom	Changwat	Surat Thani
Drainge Area	3,035	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the sixth staff gage.				Elevation	+10.520 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1963 to date					
Rating Operation						
Period of Rating	1989 to date					
Rated by Float	-					
Rated by Current Meter	1989 to date					
Stability of Channel Regimes	Fairly stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Flow regulated by Ratcha Prapha Dam.					
	Stage-discharge relation defined by 20 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.25	3.08	4.68	2.23	3.02	2.07	3.46	2.52	2.28	1.84	1.61	1.54	
2	3.05	2.17	3.92	2.69	4.62	3.10	3.46	2.67	2.47	1.52	1.63	1.52	
3	2.13	2.39	3.46	2.86	4.52	2.38	2.81	1.85	2.61	1.89	1.68	1.59	
4	2.64	3.57	3.75	2.83	4.60	2.38	2.77	2.14	2.86	1.78	1.67	1.62	
5	3.15	3.73	3.28	4.41	4.32	2.16	2.38	2.14	3.84	1.81	1.71	1.35	
6	4.06	5.01	2.68	4.40	4.26	2.65	2.39	2.10	3.87	1.83	1.28	1.27	
7	3.59	5.03	2.88	3.11	3.99	3.67	2.47	1.95	2.97	2.11	1.72	1.58	
8	3.14	3.73	2.91	2.68	3.97	3.59	2.69	2.41	2.86	1.91	1.57	1.52	
9	3.13	3.04	2.82	2.91	3.99	3.54	2.51	2.19	3.05	1.58	1.59	1.71	
10	3.22	3.63	2.97	4.08	4.00	2.87	2.17	2.18	2.69	1.87	1.56	1.35	
11	2.91	3.22	2.75	4.06	3.86	2.62	2.70	1.93	2.67	1.65	1.55	1.55	
12	3.17	4.17	2.60	5.03	3.81	2.28	2.48	1.98	2.23	2.27	1.60	1.47	
13	3.38	3.68	2.22	6.30	3.31	2.83	2.65	1.93	2.35	1.95	1.27	1.34	
14	3.12	3.62	2.90	5.88	4.04	2.54	2.71	1.62	2.30	2.10	1.67	1.51	
15	3.55	2.89	2.97	4.10	2.84	2.21	2.35	1.96	2.22	1.79	1.49	1.54	
16	3.47	3.01	2.76	3.62	1.75	2.19	2.72	2.07	2.16	1.50	1.59	1.52	
17	2.90	3.24	2.79	3.72	2.09	2.13	2.90	2.22	2.08	1.70	1.74	1.51	
18	2.76	3.13	2.85	3.27	2.06	2.04	4.20	3.84	3.39	1.72	1.47	1.49	
19	3.20	3.03	2.85	3.28	2.20	1.72	4.03	3.43	3.74	1.72	1.66	1.57	
20	3.09	3.49	2.07	2.58	2.36	1.95	4.54	2.94	2.61	1.69	1.36	1.32	
21	3.60	3.17	2.66	3.48	1.70	2.25	6.00	2.42	2.39	1.69	1.66	1.52	
22	3.00	2.75	2.26	3.32	2.00	1.90	6.02	2.35	2.30	1.72	1.45	1.72	
23	2.94	2.79	2.71	3.45	2.86	1.92	5.13	3.42	2.21	1.39	1.58	1.63	
24	2.85	3.32	2.74	3.20	2.65	1.89	4.41	3.44	2.17	1.73	1.54	1.62	
25	2.85	3.15	2.46	2.87	2.07	2.36	3.80	3.34	1.93	1.61	1.47	1.78	
26	3.66	3.19	2.57	3.31	2.35	1.89	3.32	3.15	1.80	2.19	1.57	1.48	
27	3.57	3.19	1.89	3.39	2.47	1.42	3.01	2.72	1.94	2.01	1.42	1.37	
28	3.78	3.25	2.49	3.35	2.32	2.03	2.89	2.60	1.94	1.75	1.41	2.00	
29	2.55	3.11	2.36	3.48	2.12	2.55	2.69	2.54	2.01	1.64		1.58	
30	3.32	3.82	2.39	3.33	2.96	3.33	2.61	2.30	1.86	1.51		1.71	
31		4.82		2.53	2.21		2.24		1.86	1.72		1.66	
Mean	3.17	3.40	2.82	3.54	3.07	2.42	3.24	2.48	2.51	1.78	1.55	1.55	
Max	4.06	5.03	4.68	6.30	4.62	3.67	6.02	3.84	3.87	2.27	1.74	2.00	6.30
Min	2.13	2.17	1.89	2.23	1.70	1.42	2.17	1.62	1.80	1.39	1.27	1.27	1.27
Annual Max Momentary Gage Height	6.40		m. (MSL.) ,			at 23.00 Hours , on Jul 13, 2022							
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	-2.03	m. (MSL.)					
Left Bank Elevation		12.10	m. (MSL.) ,										
Right Bank Elevation		12.11	m. (MSL.) ,			Drainage Are	3,035	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	168.00	155.00	297.00	92.10	150.50	80.90	184.80	113.00	95.60	65.60	50.65	46.40		
2	152.75	87.90	223.80	125.75	291.00	156.50	184.80	124.25	109.25	45.20	51.95	45.20		
3	85.10	103.30	184.80	138.50	281.00	102.60	134.75	66.25	119.75	68.85	55.20	49.40		
4	122.00	193.60	208.75	136.25	289.00	102.60	131.75	85.80	138.50	61.70	54.55	51.30		
5	160.25	207.05	170.40	270.00	261.40	87.20	102.60	85.80	216.60	63.65	57.15	35.00		
6	236.70	330.05	125.00	269.00	255.70	122.75	103.30	83.00	219.30	64.95	30.80	30.20		
7	195.20	332.15	140.00	157.25	230.10	201.95	109.25	72.75	146.75	83.70	57.80	48.80		
8	159.50	207.05	142.25	125.00	228.30	195.20	125.75	104.75	138.50	70.15	48.20	45.20		
9	158.75	152.00	135.50	142.25	230.10	191.20	112.25	89.30	152.75	48.80	49.40	57.15		
10	165.60	198.55	146.75	238.60	231.00	139.25	87.90	88.60	125.75	67.55	47.60	35.00		
11	142.25	165.60	130.25	236.70	218.40	120.50	126.50	71.45	124.25	53.25	47.00	47.00		
12	161.75	247.15	119.00	332.15	213.90	95.60	110.00	74.70	92.10	94.90	50.00	42.20		
13	178.40	202.80	91.40	474.00	172.80	136.25	122.75	71.45	100.50	72.75	30.20	34.40		
14	158.00	197.70	141.50	424.20	234.80	114.50	127.25	51.30	97.00	83.00	54.55	44.60		
15	192.00	140.75	146.75	240.50	137.00	90.70	100.50	73.40	91.40	62.35	43.40	46.40		
16	185.60	149.75	131.00	197.70	59.75	89.30	128.00	80.90	87.20	44.00	49.40	45.20		
17	141.50	167.20	133.25	206.20	82.30	85.10	141.50	91.40	81.60	56.50	59.10	44.60		
18	131.00	158.75	137.75	169.60	80.20	78.80	250.00	216.60	179.20	57.80	42.20	43.40		
19	164.00	151.25	137.75	170.40	90.00	57.80	233.85	182.40	207.90	57.80	53.90	48.20		
20	155.75	187.20	80.90	117.50	101.20	72.75	283.00	144.50	119.75	55.85	35.60	33.20		
21	196.00	161.75	123.50	186.40	56.50	93.50	438.00	105.50	103.30	55.85	53.90	45.20		
22	149.00	130.25	94.20	173.60	76.00	69.50	440.40	100.50	97.00	57.80	41.00	57.80		
23	144.50	133.25	127.25	184.00	138.50	70.80	342.65	181.60	90.70	37.40	48.80	51.95		
24	137.75	173.60	129.50	164.00	122.75	68.85	270.00	183.20	87.90	58.45	46.40	51.30		
25	137.75	160.25	108.50	139.25	80.90	101.20	213.00	175.20	71.45	50.65	42.20	61.70		
26	201.10	163.25	116.75	172.80	100.50	68.85	173.60	160.25	63.00	89.30	48.20	42.80		
27	193.60	163.25	68.85	179.20	109.25	39.20	149.75	128.00	72.10	76.70	39.20	36.20		
28	211.30	168.00	110.75	176.00	98.40	78.10	140.75	119.00	72.10	59.75	38.60	76.00		
29	115.25	157.25	101.20	186.40	84.40	115.25	125.75	114.50	76.70	52.60		48.80		
30	173.60	214.80	103.30	174.40	146.00	174.40	119.75	97.00	66.90	44.60		57.15		
31		311.00		113.75	90.70		92.80		66.90	57.80		53.90		
Total	4873.95	5671.45	4107.60	6113.45	4942.35	3201.10	5406.95	3336.35	3511.70	1919.25	1326.95	1455.65	45866.75	CMSDAY
Mean	162.47	182.95	136.92	197.21	159.43	106.70	174.42	111.21	113.28	61.91	47.39	46.96	125.66	CMS
Max	236.70	332.15	297.00	474.00	291.00	201.95	440.40	216.60	219.30	94.90	59.10	76.00	474.00	CMS
Min	85.10	87.90	68.85	92.10	56.50	39.20	87.90	51.30	63.00	37.40	30.20	30.20	30.20	CMS
Runoff	421.11	490.01	354.90	528.20	427.02	276.58	467.16	288.26	303.41	165.82	114.65	125.77	3962.89	MCM
Momentary Peak	486.00 CMS. at 6.40 m. (MSL.) at 23.00 Hours , on Jul 13, 2022													
Runoff Yield	41.40	Liters/Second/Square KM.			Momentary Peak Yield		160.13	Liters/Second/Square KM.						

WATER YEAR : 2022**PENINSULA - UPPER EAST COAST BASIN****Tapi River at Ban Yan Din Daeng , Surat Thani (X.37A)**

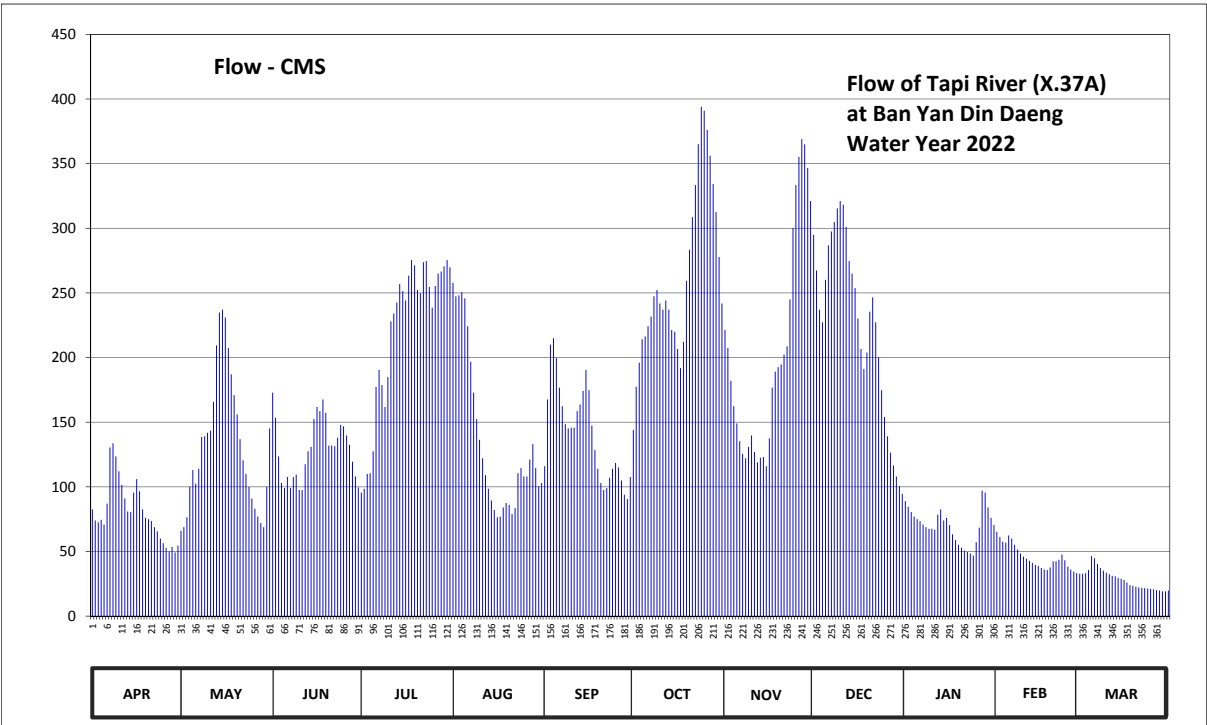
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Location : on left bank at Tambon Yan Din Daeng.

	Ban	Yan Din Daeng	Amphoe	Phrasaeng	Changwat	Surat Thani
Drainage Area	5,397	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	on the left bank downstream				Elevation	+12.682 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1969 to date					
Rating Operation						
Period of Rating	1969 to date					
Rated by Float	-					
Rated by Current Meter	1969 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 20 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.01	5.65	7.69	6.27	8.86	6.68	7.22	8.39	9.31	6.14	5.63	4.82	
2	5.84	5.72	7.39	6.33	8.73	7.61	7.76	8.19	8.98	6.05	5.53	4.82	
3	5.81	5.89	6.83	6.56	8.74	8.23	8.03	7.83	8.60	5.97	5.44	4.83	
4	5.85	6.36	6.42	6.57	8.77	8.30	8.29	7.53	8.47	5.90	5.42	4.89	
5	5.77	6.62	6.34	6.91	8.71	8.08	8.32	7.31	8.89	5.86	5.56	5.16	
6	6.10	6.41	6.51	7.76	8.43	7.75	8.43	7.06	9.22	5.83	5.50	5.12	
7	6.97	6.64	6.34	7.95	8.04	7.53	8.53	6.87	9.34	5.77	5.38	5.01	
8	7.03	7.12	6.51	7.78	7.69	7.30	8.73	6.80	9.42	5.72	5.29	4.93	
9	6.83	7.13	6.55	7.52	7.37	7.24	8.79	6.98	9.53	5.69	5.21	4.88	
10	6.60	7.18	6.31	7.87	7.08	7.25	8.66	7.14	9.59	5.69	5.15	4.84	
11	6.39	7.21	6.31	8.48	6.80	7.25	8.60	6.90	9.56	5.67	5.11	4.81	
12	6.18	7.58	6.71	8.56	6.54	7.47	8.69	6.74	9.38	5.93	5.07	4.78	
13	5.98	8.22	6.91	8.67	6.33	7.55	8.60	6.81	9.07	6.01	5.03	4.77	
14	5.97	8.57	6.98	8.85	6.15	7.71	8.39	6.82	8.95	5.84	4.99	4.74	
15	6.27	8.60	7.37	8.78	6.00	7.95	8.37	6.68	8.81	5.88	4.97	4.72	
16	6.48	8.52	7.52	8.69	5.89	7.72	8.18	7.10	8.51	5.76	4.93	4.70	
17	6.29	8.19	7.47	8.93	5.90	7.28	7.97	7.75	8.18	5.58	4.90	4.65	
18	6.01	7.90	7.61	9.08	6.04	6.93	8.26	7.93	7.96	5.47	4.89	4.60	
19	5.88	7.66	7.45	9.03	6.11	6.64	8.88	7.98	8.14	5.38	4.94	4.58	
20	5.86	7.43	7.00	8.79	6.08	6.42	9.18	8.01	8.58	5.32	5.06	4.56	
21	5.83	7.09	7.00	8.76	5.94	6.31	9.46	8.12	8.72	5.27	5.06	4.54	
22	5.72	6.77	6.99	9.06	6.03	6.34	9.72	8.21	8.47	5.24	5.09	4.53	
23	5.64	6.56	7.11	9.07	6.57	6.50	10.05	8.70	8.09	5.21	5.19	4.52	
24	5.50	6.36	7.29	8.82	6.65	6.64	10.34	9.37	7.72	5.17	5.08	4.51	
25	5.41	6.18	7.27	8.62	6.52	6.73	10.31	9.72	7.40	5.43	4.96	4.50	
26	5.32	6.02	7.14	8.83	6.52	6.66	10.16	9.95	7.13	5.71	4.90	4.49	
27	5.25	5.90	7.01	8.95	6.78	6.46	9.96	10.09	6.89	6.30	4.86	4.47	
28	5.34	5.80	6.75	8.97	7.02	6.24	9.73	10.05	6.69	6.27	4.83	4.46	
29	5.23	5.72	6.52	9.02	6.65	6.17	9.50	9.86	6.52	6.04		4.44	
30	5.36	6.36	6.35	9.08	6.37	6.51	9.11	9.59	6.37	5.88		4.44	
31		7.24		9.01	6.42		8.66		6.25	5.76		4.46	
Mean	5.96	6.92	6.92	8.31	6.96	7.11	8.87	8.02	8.35	5.73	5.14	4.70	
Max	7.03	8.60	7.69	9.08	8.86	8.30	10.34	10.09	9.59	6.30	5.63	5.16	10.34
Min	5.23	5.65	6.31	6.27	5.89	6.17	7.22	6.68	6.25	5.17	4.83	4.44	4.44
Annual Max Momentary Gage Height	10.37		m. (MSL.) ,				at 18.00 Hours , on Oct 24, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	2.61	m. (MSL.)					
Left Bank Elevation		12.43	m. (MSL.) ,										
Right Bank Elevation		12.11	m. (MSL.) ,			Drainage Are	5,397	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	82.50	66.00	172.85	95.50	257.80	116.00	144.10	221.30	294.90	89.00	65.20	32.80		
2	74.00	68.80	153.45	98.50	247.40	167.65	177.40	207.30	267.40	84.50	61.20	32.80		
3	72.50	76.50	123.50	110.00	248.20	210.10	196.10	182.10	237.00	80.50	57.60	33.20		
4	74.50	100.00	103.00	110.50	250.60	215.00	214.30	162.45	227.25	77.00	56.80	35.60		
5	70.80	113.00	99.00	127.50	245.80	199.60	216.40	149.05	260.20	75.00	62.40	46.40		
6	87.00	102.50	107.50	177.40	224.25	176.75	224.25	135.30	286.80	73.50	60.00	44.80		
7	130.50	114.00	99.00	190.50	196.80	162.45	231.75	125.50	297.60	70.80	55.20	40.40		
8	133.65	138.60	107.50	178.70	172.85	148.50	247.40	122.00	304.90	68.80	51.60	37.20		
9	123.50	139.15	109.50	161.80	152.35	145.20	252.20	131.00	315.35	67.60	48.40	35.20		
10	112.00	141.90	97.50	184.90	136.40	145.75	241.80	139.70	321.05	67.60	46.00	33.60		
11	101.50	143.55	97.50	228.00	122.00	145.75	237.00	127.00	318.20	66.80	44.40	32.40		
12	91.00	165.70	117.50	234.00	109.00	158.55	244.20	119.00	301.20	78.50	42.80	31.20		
13	81.00	209.40	127.50	242.60	98.50	163.75	237.00	122.50	274.60	82.50	41.20	30.80		
14	80.50	234.75	131.00	257.00	89.50	174.15	221.30	123.00	265.00	74.00	39.60	29.60		
15	95.50	237.00	152.35	251.40	82.00	190.50	219.90	116.00	253.80	76.00	38.80	28.80		
16	106.00	231.00	161.80	244.20	76.50	174.80	206.60	137.50	230.25	70.40	37.20	28.00		
17	96.50	207.30	158.55	263.40	77.00	147.40	191.90	176.75	206.60	63.20	36.00	26.00		
18	82.50	187.00	167.65	275.40	84.00	128.50	212.20	189.10	191.20	58.80	35.60	24.00		
19	76.00	170.90	157.25	271.40	87.50	114.00	259.40	192.60	203.80	55.20	37.60	23.40		
20	75.00	155.95	132.00	252.20	86.00	103.00	283.40	194.70	235.50	52.80	42.40	22.80		
21	73.50	136.95	132.00	249.80	79.00	97.50	308.70	202.40	246.60	50.80	42.40	22.20		
22	68.80	120.50	131.50	273.80	83.50	99.00	333.40	208.70	227.25	49.60	43.60	21.90		
23	65.60	110.00	138.05	274.60	110.50	107.00	365.00	245.00	200.30	48.40	47.60	21.60		
24	60.00	100.00	147.95	254.60	114.50	114.00	394.00	300.30	174.80	46.80	43.20	21.30		
25	56.40	91.00	146.85	238.60	108.00	118.50	391.00	333.40	154.00	57.20	38.40	21.00		
26	52.80	83.00	139.70	255.40	108.00	115.00	376.00	355.25	139.15	68.40	36.00	20.70		
27	50.00	77.00	132.55	265.00	121.00	105.00	356.20	369.00	126.50	97.00	34.40	20.10		
28	53.60	72.00	119.50	266.60	133.10	94.00	334.35	365.00	116.50	95.50	33.20	19.80		
29	49.20	68.80	108.00	270.60	114.50	90.50	312.50	346.70	108.00	84.00		19.20		
30	54.40	100.00	99.50	275.40	100.50	107.50	277.80	321.05	100.50	76.00		19.20		
31		145.20		269.80	103.00		241.80		94.50	70.40		19.80		
Total	2,430.75	4,107.45	3,871.50	6849.10	4220.05	4235.40	8149.35	6120.65	6980.70	2176.60	1278.80	875.80	51296.15	CMSDAY
Mean	81.03	132.50	129.05	220.94	136.13	141.18	262.88	204.02	225.18	70.21	45.67	28.25	140.54	CMS
Max	133.65	237.00	172.85	275.40	257.80	215.00	394.00	369.00	321.05	97.00	65.20	46.40	394.00	CMS
Min	49.20	66.00	97.50	95.50	76.50	90.50	144.10	116.00	94.50	46.80	33.20	19.20	19.20	CMS
Runoff	210.02	354.88	334.50	591.76	364.61	365.94	704.10	528.82	603.13	188.06	110.49	75.67	4431.99	MCM
Momentary Peak	397.00 CMS, at 10.37 m. (MSL), at 18.00 Hours, on Oct 24, 2022													
Runoff Yield	26.04	Liters/Second/Square KM.		Momentary Peak Yield			73.56	Liters/Second/Square KM.						

WATER YEAR : 2022

SOUTHERN PENINSULA EAST COAST

Khlong Chumphon at Ban Wang Phai , Chumphon (X.53A)

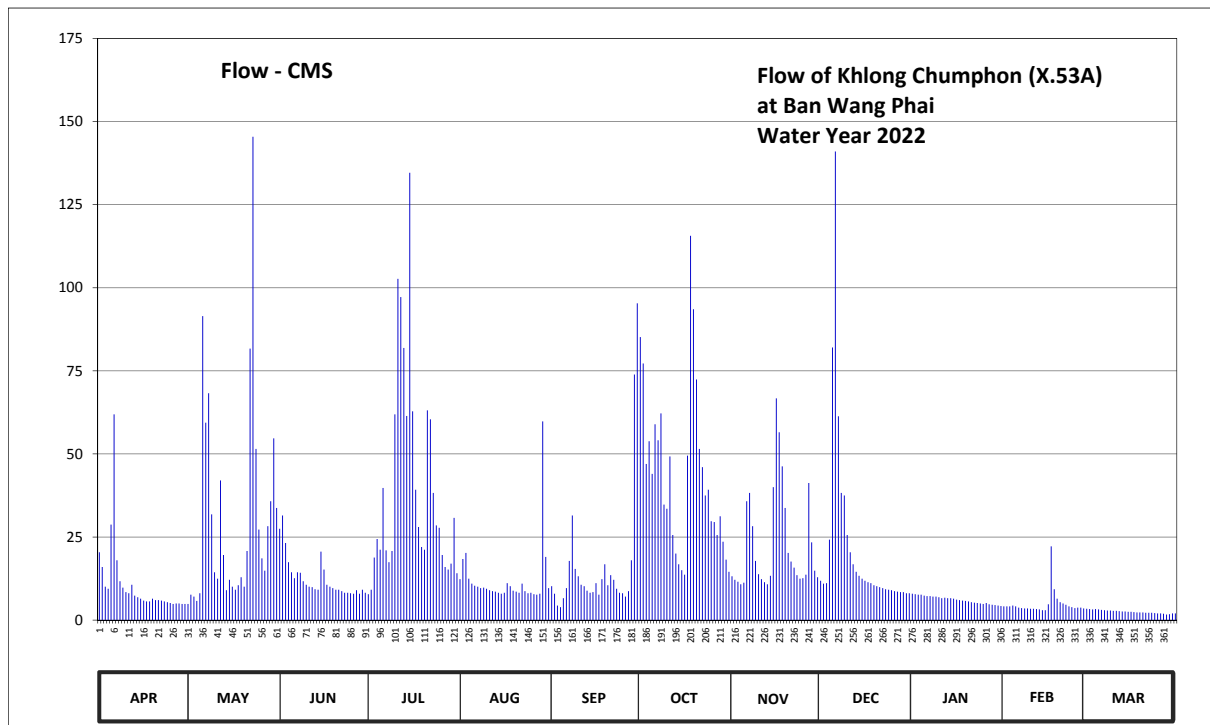
Lat 10 - 30 - 26 N Long 99 - 07 - 04 E

Location : on left bank about 9.50 kilometers downstream from X.53 station.

	Ban	Wang Phai	Amphoe	Mueang	Changwat	Chumphon
Drainage Area	294	sq.km.				
Type of Gage	Water	- stage recorder				
Zero Gage at Bottom	+2.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 3.30 meters from the top staff gage.				Elevation	+10.624 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1991 to date					
Rating Operation						
Period of Rating	1991 to date					
Rated by Float	-					
Rated by Current Meter	1991 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 22 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.47	2.51	3.82	2.72	3.02	2.88	5.89	3.08	2.99	2.73	2.45	2.39	
2	3.25	2.71	3.98	2.81	3.37	2.73	5.64	3.01	2.93	2.72	2.45	2.38	
3	2.87	2.67	3.61	3.39	3.46	2.47	4.60	2.97	2.94	2.71	2.45	2.37	
4	2.83	2.58	3.32	3.67	3.03	2.43	4.86	2.92	3.66	2.71	2.47	2.38	
5	3.87	2.74	3.16	3.51	2.93	2.64	4.48	2.95	5.80	2.69	2.45	2.37	
6	5.13	6.07	3.04	4.31	2.89	2.84	5.03	4.15	7.40	2.68	2.42	2.36	
7	3.35	6.27	3.16	3.50	2.87	3.34	4.87	4.25	5.11	2.68	2.41	2.35	
8	2.98	6.65	3.15	3.32	2.84	3.98	5.14	3.85	4.25	2.67	2.40	2.34	
9	2.85	4.72	2.98	3.49	2.85	3.22	4.11	3.34	4.22	2.67	2.40	2.34	
10	2.76	3.56	2.91	5.13	2.83	3.08	4.06	3.12	3.73	2.66	2.39	2.33	
11	2.74	3.43	2.87	6.39	2.80	2.91	4.69	3.02	3.47	2.64	2.39	2.33	
12	2.91	4.40	2.86	7.58	2.78	2.88	3.73	2.96	3.29	2.65	2.38	2.32	
13	2.69	3.43	2.82	7.13	2.77	2.79	3.45	2.92	3.17	2.64	2.37	2.31	
14	2.66	2.80	2.81	6.37	2.75	2.75	3.29	3.09	3.09	2.64	2.35	2.31	
15	2.63	3.01	3.48	7.24	2.73	2.76	3.20	4.32	3.03	2.63	2.35	2.30	
16	2.59	2.87	3.21	5.16	2.75	2.94	3.11	5.29	2.99	2.61	2.50	2.30	
17	2.57	2.81	2.91	4.29	2.94	2.71	4.70	4.95	2.96	2.60	3.56	2.29	
18	2.57	2.90	2.87	3.84	2.88	3.02	6.76	4.57	2.94	2.59	2.82	2.28	
19	2.63	3.06	2.84	3.55	2.79	3.29	6.13	4.07	2.90	2.58	2.63	2.28	
20	2.60	2.87	2.81	3.51	2.77	2.90	5.48	3.46	2.88	2.57	2.55	2.28	
21	2.60	3.49	2.81	5.17	2.75	3.10	4.78	3.33	2.86	2.55	2.52	2.27	
22	2.59	5.79	2.78	5.08	2.93	3.01	4.56	3.24	2.84	2.54	2.49	2.27	
23	2.57	7.51	2.75	4.25	2.78	2.83	4.22	3.10	2.82	2.53	2.45	2.27	
24	2.55	4.78	2.75	3.86	2.74	2.75	4.29	3.03	2.81	2.52	2.43	2.26	
25	2.53	3.81	2.74	3.83	2.75	2.74	3.91	3.04	2.80	2.51	2.41	2.25	
26	2.51	3.38	2.73	3.43	2.72	2.67	3.90	3.11	2.78	2.53	2.42	2.25	
27	2.52	3.19	2.80	3.25	2.71	2.78	3.73	4.37	2.77	2.50	2.42	2.24	
28	2.52	3.85	2.73	3.21	2.73	3.35	3.97	3.62	2.76	2.49	2.40	2.22	
29	2.51	4.15	2.81	3.30	5.06	5.53	3.63	3.19	2.76	2.48		2.23	
30	2.51	4.89	2.75	3.95	3.40	6.18	3.36	3.06	2.74	2.47		2.25	
31		4.07		3.14	2.84		3.17		2.74	2.46		2.25	
Mean	2.85	3.90	3.01	4.30	2.95	3.12	4.41	3.51	3.37	2.60	2.49	2.30	
Max	5.13	7.51	3.98	7.58	5.06	6.18	6.76	5.29	7.40	2.73	3.56	2.39	7.58
Min	2.51	2.51	2.73	2.72	2.71	2.43	3.11	2.92	2.74	2.46	2.35	2.22	2.22
Annual Max Momentary Gage Height		8.48	m. (MSL.) ,		at 04.00 Hours , on Sep 29, 2022								
Zero Gage at Bottom Elevation		2.00	m. (MSL.) ,		River Bed	1.85	m. (MSL.)						
Left Bank Elevation		10.40	m. (MSL.) ,										
Right Bank Elevation		10.41	m. (MSL.) ,		Drainage Are	294	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	20.40	4.88	27.50	7.80	12.30	10.20	85.15	13.20	11.85	7.95	4.13	3.40		
2	16.00	7.65	31.50	9.15	18.40	7.95	77.20	12.15	10.95	7.80	4.13	3.30		
3	10.05	7.05	23.20	18.80	20.20	4.38	47.00	11.55	11.10	7.65	4.13	3.20		
4	9.45	5.75	17.40	24.40	12.45	3.88	53.80	10.80	24.20	7.65	4.38	3.30		
5	28.75	8.10	14.40	21.20	10.95	6.60	44.00	11.25	82.00	7.35	4.13	3.20		
6	61.90	91.45	12.60	39.75	10.35	9.60	58.90	35.75	141.00	7.20	3.75	3.10		
7	18.00	59.40	14.40	21.00	10.05	17.80	54.10	38.25	61.30	7.20	3.63	3.00		
8	11.70	68.25	14.25	17.40	9.60	31.50	62.20	28.25	38.25	7.05	3.50	2.90		
9	9.75	31.80	11.70	20.80	9.75	15.40	34.75	17.80	37.50	7.05	3.50	2.90		
10	8.40	14.40	10.65	61.90	9.45	13.20	33.50	13.80	25.60	6.90	3.40	2.80		
11	8.10	12.45	10.05	102.65	9.00	10.65	49.25	12.30	20.40	6.60	3.40	2.80		
12	10.65	42.00	9.90	97.20	8.70	10.20	25.60	11.40	16.80	6.75	3.30	2.70		
13	7.35	19.60	9.30	81.90	8.55	8.85	20.00	10.80	14.55	6.60	3.20	2.60		
14	6.90	9.00	9.15	61.40	8.25	8.25	16.80	13.35	13.35	6.60	3.00	2.60		
15	6.45	12.15	20.60	134.60	7.95	8.40	15.00	40.00	12.45	6.45	3.00	2.50		
16	5.88	10.05	15.20	62.80	8.25	11.10	13.65	66.70	11.85	6.15	4.75	2.50		
17	5.63	9.15	10.65	39.25	11.10	7.65	49.50	56.50	11.40	6.00	22.20	2.40		
18	5.63	10.50	10.05	28.00	10.20	12.30	115.60	46.25	11.10	5.88	9.30	2.30		
19	6.45	12.90	9.60	22.00	8.85	16.80	93.55	33.75	10.50	5.75	6.45	2.30		
20	6.00	10.05	9.15	21.20	8.55	10.50	72.40	20.20	10.20	5.63	5.38	2.30		
21	6.00	20.80	9.15	63.10	8.25	13.50	51.50	17.60	9.90	5.38	5.00	2.20		
22	5.88	81.70	8.70	60.40	10.95	12.15	46.00	15.80	9.60	5.25	4.63	2.20		
23	5.63	145.40	8.25	38.25	8.70	9.45	37.50	13.50	9.30	5.13	4.13	2.20		
24	5.38	51.50	8.25	28.50	8.10	8.25	39.25	12.45	9.15	5.00	3.88	2.10		
25	5.13	27.25	8.10	27.75	8.25	8.10	29.75	12.60	9.00	4.88	3.63	2.00		
26	4.88	18.60	7.95	19.60	7.80	7.05	29.50	13.65	8.70	5.13	3.75	2.00		
27	5.00	14.85	9.00	16.00	7.65	8.70	25.60	41.25	8.55	4.75	3.75	1.90		
28	5.00	28.25	7.95	15.20	7.95	18.00	31.25	23.40	8.40	4.63	3.50	1.70		
29	4.88	35.75	9.15	17.00	59.80	73.90	23.60	14.85	8.40	4.50		1.80		
30	4.88	54.70	8.25	30.75	19.00	95.30	18.20	12.90	8.10	4.38		2.00		
31		33.75		14.10	9.60		14.55		8.10	4.25		2.00		
Total	316.10	959.13	376.00	1223.85	368.95	479.61	1368.65	682.05	673.55	189.49	134.93	78.20	6850.51	CMSDAY
Mean	10.54	30.94	12.53	39.48	11.90	15.99	44.15	22.73	21.73	6.11	4.82	2.52	18.77	CMS
Max	61.90	145.40	31.50	134.60	59.80	95.30	115.60	66.70	141.00	7.95	22.20	3.40	145.40	CMS
Min	4.88	4.88	7.95	7.80	7.65	3.88	13.65	10.80	8.10	4.25	3.00	1.70	1.70	CMS
Runoff	27.31	82.87	32.49	105.74	31.88	41.44	118.25	58.93	58.19	16.37	11.66	6.76	591.88	MCM
Momentary Peak	188.60 CMS. at 8.48 m. (MSL.) at 04.00 Hours , on Sep 29, 2022													
Runoff Yield	63.84	Liters/Second/Square KM.				Momentary Peak Yield 641.50				Liters/Second/Square KM.				

WATER YEAR : 2022**SOUTHERN PENINSULA EAST COAST****Khlong Tha Di at Ban Tha Yai , Nakhon Si Thammarat (X.55)**

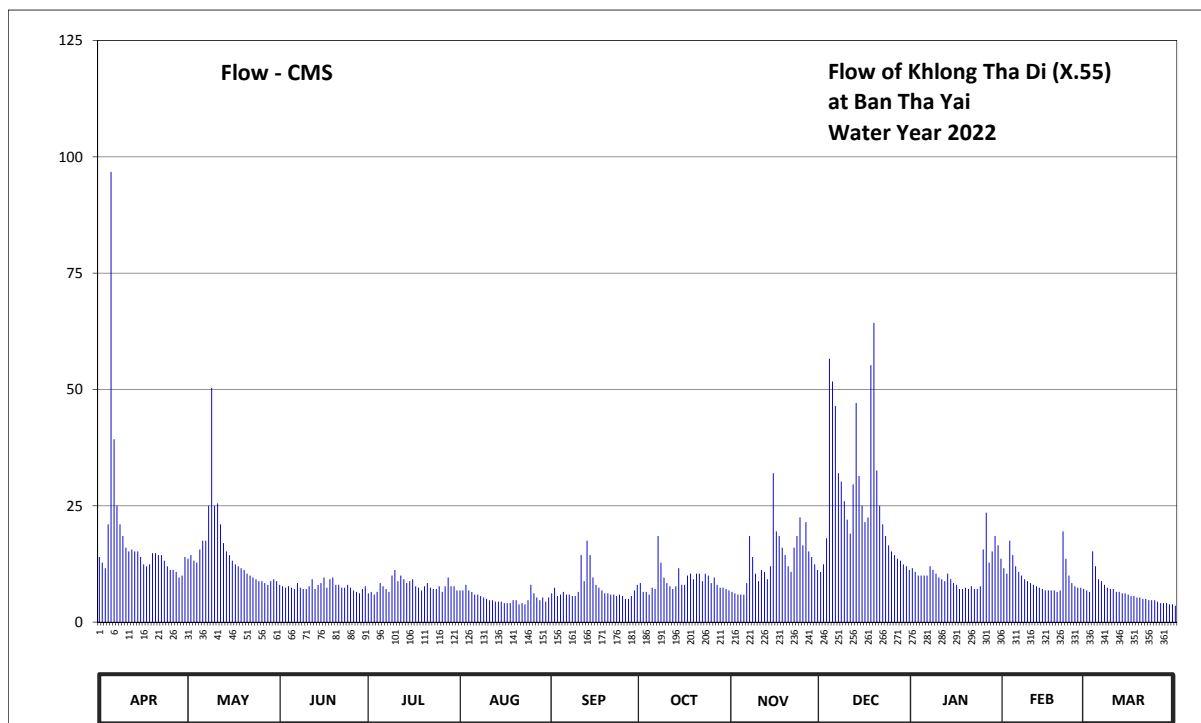
Lat 08 - 23 - 59 N Long 99 - 49 - 59 E

Location : on middle at the bridge.

	Ban	Tha Yai	Amphoe	Lan Saka	Changwat	Nakhon Si Thammarat
Drainge Area	105	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 63.60 meters from fourth staff gage.				Elevation	+24.748 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1967 to date					
Rating Operation						
Period of Rating	1967 - 1971 , 1989 to date					
Rated by Float	-					
Rated by Current Meter	1967 - 1971 , 1989 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 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.15	19.14	19.00	18.94	18.96	18.94	19.01	18.95	19.07	19.09	19.09	18.96	
2	19.12	19.16	18.99	18.95	18.96	18.98	18.95	18.94	19.11	19.07	19.06	18.95	
3	19.09	19.13	18.98	18.93	19.00	18.92	18.95	18.93	19.24	19.05	19.23	19.18	
4	19.30	19.12	18.99	18.95	18.96	18.93	18.93	18.93	19.88	19.05	19.16	19.10	
5	20.45	19.19	18.98	19.01	18.95	18.95	18.98	18.93	19.81	19.05	19.10	19.03	
6	19.62	19.23	18.97	18.99	18.93	18.93	18.97	19.01	19.73	19.05	19.07	19.02	
7	19.38	19.23	19.01	18.97	18.93	18.93	19.25	19.25	19.50	19.10	19.05	19.00	
8	19.30	19.38	18.98	18.95	18.92	18.92	19.12	19.15	19.47	19.08	19.03	18.98	
9	19.25	19.79	18.97	19.05	18.91	18.92	19.04	19.06	19.40	19.06	19.02	18.97	
10	19.20	19.38	18.97	19.08	18.90	18.95	19.01	19.02	19.32	19.04	19.01	18.97	
11	19.18	19.39	18.99	19.02	18.89	19.16	18.99	19.08	19.26	19.03	19.00	18.95	
12	19.19	19.30	19.03	19.05	18.89	19.02	18.97	19.07	19.46	19.02	18.99	18.95	
13	19.18	19.22	18.97	19.03	18.88	19.23	18.99	19.03	19.74	19.06	18.98	18.94	
14	19.18	19.18	19.00	19.01	18.88	19.16	19.09	19.10	19.49	19.03	18.97	18.94	
15	19.15	19.16	19.01	19.02	18.88	19.04	19.00	19.50	19.38	19.01	18.96	18.93	
16	19.11	19.13	19.04	19.03	18.87	19.00	19.00	19.27	19.31	19.00	18.96	18.92	
17	19.10	19.11	18.98	18.99	18.87	18.98	19.05	19.25	19.33	18.97	18.96	18.92	
18	19.11	19.10	19.03	18.98	18.87	18.96	19.06	19.20	19.86	18.97	18.96	18.91	
19	19.17	19.09	19.04	18.96	18.89	18.94	19.03	19.16	19.99	18.98	18.95	18.91	
20	19.17	19.08	19.00	18.99	18.89	18.94	19.06	19.10	19.51	18.97	18.96	18.90	
21	19.16	19.06	19.00	19.01	18.86	18.93	19.06	19.07	19.38	18.99	19.27	18.90	
22	19.16	19.05	18.98	18.98	18.87	18.93	19.02	19.20	19.30	18.97	19.14	18.89	
23	19.13	19.04	18.98	18.97	18.86	18.92	19.06	19.25	19.25	18.97	19.05	18.89	
24	19.10	19.03	19.00	18.97	18.89	18.93	19.05	19.33	19.21	18.99	19.01	18.89	
25	19.08	19.02	18.98	18.99	19.00	18.92	19.01	19.21	19.18	19.19	18.99	18.88	
26	19.08	19.02	18.96	18.95	18.94	18.90	19.04	19.31	19.16	19.35	18.98	18.87	
27	19.07	19.01	18.95	18.99	18.91	18.90	19.00	19.18	19.14	19.12	18.98	18.87	
28	19.04	19.00	18.94	19.04	18.89	18.92	18.98	19.15	19.13	19.18	18.97	18.87	
29	19.05	19.02	18.97	18.99	18.91	18.96	18.98	19.11	19.11	19.25		18.86	
30	19.15	19.03	18.99	18.99	18.88	19.00	18.97	19.08	19.10	19.21		18.86	
31		19.02		18.96	18.91		18.96		19.08	19.14		18.85	
Mean	19.21	19.16	18.99	18.99	18.91	18.97	19.02	19.13	19.38	19.07	19.03	18.94	
Max	20.45	19.79	19.04	19.08	19.00	19.23	19.25	19.50	19.99	19.35	19.27	19.18	20.45
Min	19.04	19.00	18.94	18.93	18.86	18.90	18.93	18.93	19.07	18.97	18.95	18.85	18.85
Annual Max Momentary Gage Height	22.02		m. (MSL.) ,				at 13.00 Hours , on Apr 5, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	17.52	m. (MSL.)					
Left Bank Elevation		25.20	m. (MSL.) ,										
Right Bank Elevation		25.57	m. (MSL.) ,			Drainage Are	105	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	14.00	13.60	8.00	6.20	6.80	6.20	8.40	6.50	10.80	11.60	11.60	6.80		
2	12.80	14.40	7.70	6.50	6.80	7.40	6.50	6.20	12.40	10.80	10.40	6.50		
3	11.60	13.20	7.40	5.90	8.00	5.60	6.50	5.90	18.00	10.00	17.50	15.20		
4	21.00	12.80	7.70	6.50	6.80	5.90	5.90	5.90	56.60	10.00	14.40	12.00		
5	96.75	15.60	7.40	8.40	6.50	6.50	7.40	5.90	51.70	10.00	12.00	9.20		
6	39.30	17.50	7.10	7.70	5.90	5.90	7.10	8.40	46.45	10.00	10.80	8.80		
7	25.00	17.50	8.40	7.10	5.90	5.90	18.50	18.50	32.00	12.00	10.00	8.00		
8	21.00	25.00	7.40	6.50	5.60	5.60	12.80	14.00	30.20	11.20	9.20	7.40		
9	18.50	50.35	7.10	10.00	5.30	5.60	9.60	10.40	26.00	10.40	8.80	7.10		
10	16.00	25.00	7.10	11.20	5.00	6.50	8.40	8.80	22.00	9.60	8.40	7.10		
11	15.20	25.50	7.70	8.80	4.70	14.40	7.70	11.20	19.00	9.20	8.00	6.50		
12	15.60	21.00	9.20	10.00	4.70	8.80	7.10	10.80	29.60	8.80	7.70	6.50		
13	15.20	17.00	7.10	9.20	4.40	17.50	7.70	9.20	47.10	10.40	7.40	6.20		
14	15.20	15.20	8.00	8.40	4.40	14.40	11.60	12.00	31.40	9.20	7.10	6.20		
15	14.00	14.40	8.40	8.80	4.40	9.60	8.00	32.00	25.00	8.40	6.80	5.90		
16	12.40	13.20	9.60	9.20	4.10	8.00	8.00	19.50	21.50	8.00	6.80	5.60		
17	12.00	12.40	7.40	7.70	4.10	7.40	10.00	18.50	22.50	7.10	6.80	5.60		
18	12.40	12.00	9.20	7.40	4.10	6.80	10.40	16.00	55.20	7.10	6.80	5.30		
19	14.80	11.60	9.60	6.80	4.70	6.20	9.20	14.40	64.30	7.40	6.50	5.30		
20	14.80	11.20	8.00	7.70	4.70	6.20	10.40	12.00	32.60	7.10	6.80	5.00		
21	14.40	10.40	8.00	8.40	3.80	5.90	10.40	10.80	25.00	7.70	19.50	5.00		
22	14.40	10.00	7.40	7.40	4.10	5.90	8.80	16.00	21.00	7.10	13.60	4.70		
23	13.20	9.60	7.40	7.10	3.80	5.60	10.40	18.50	18.50	7.10	10.00	4.70		
24	12.00	9.20	8.00	7.10	4.70	5.90	10.00	22.50	16.50	7.70	8.40	4.70		
25	11.20	8.80	7.40	7.70	8.00	5.60	8.40	16.50	15.20	15.60	7.70	4.40		
26	11.20	8.80	6.80	6.50	6.20	5.00	9.60	21.50	14.40	23.50	7.40	4.10		
27	10.80	8.40	6.50	7.70	5.30	5.00	8.00	15.20	13.60	12.80	7.40	4.10		
28	9.60	8.00	6.20	9.60	4.70	5.60	7.40	14.00	13.20	15.20	7.10	4.10		
29	10.00	8.80	7.10	7.70	5.30	6.80	7.40	12.40	12.40	18.50		3.80		
30	14.00	9.20	7.70	7.70	4.40	8.00	7.10	11.20	12.00	16.50		3.80		
31		8.80		6.80	5.30		6.80		11.20	13.60		3.50		
Total	538.35	458.45	232.00	243.70	162.50	219.70	275.50	404.70	827.35	333.60	264.90	193.10	4153.85	CMSDAY
Mean	17.94	14.79	7.73	7.86	5.24	7.32	8.89	13.49	26.69	10.76	9.46	6.23	11.38	CMS
Max	96.75	50.35	9.60	11.20	8.00	17.50	18.50	32.00	64.30	23.50	19.50	15.20	96.75	CMS
Min	9.60	8.00	6.20	5.90	3.80	5.00	5.90	5.90	10.80	7.10	6.50	3.50	3.50	CMS
Runoff	46.51	39.61	20.04	21.06	14.04	18.98	23.80	34.97	71.48	28.82	22.89	16.68	358.89	MCM
Momentary Peak	CMS. at 22.02 m. (MSL.) at 13.00 Hours , on Apr 5, 2022													
Runoff Yield	108.38 Liters/Second/Square KM.						Momentary Peak Yield 2270.48 Liters/Second/Square KM.							

WATER YEAR : 2022**SOUTHERN PENINSULA EAST COAST****Khlong Tha Sae at Ban Tha Sae , Chumphon (X.64)**

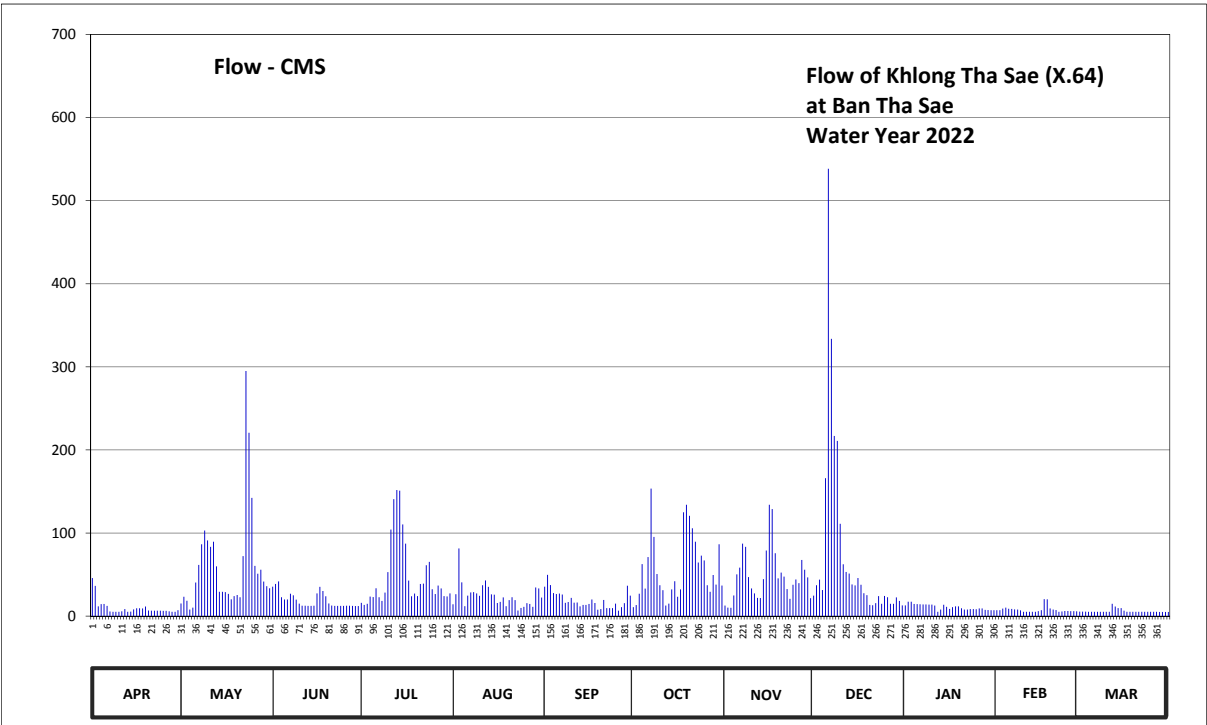
Lat 10 - 39 - 56 N Long 99 - 10 - 16 E

Location : on left bank near the Land Cooperation Office.

	Ban	Tha Sae	Amphoe	Tha Sae	Changwat	Chumphon
Drainage Area	945	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+6.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 6 meters from the top staff gage.				Elevation	+19.207 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic means of 24 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	Overbank flow starts at elevation + 17.140 m.(MSL.), records are channel flow only.					
General Description	Records very good. Stage-discharge relation defined by 21 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	10.00	8.38	9.46	8.42	8.32	9.46	8.11	8.23	8.90	8.24	7.87	7.76	
2	9.51	8.83	9.64	8.28	8.99	10.19	8.26	8.07	9.56	8.49	7.87	7.76	
3	8.17	8.56	9.80	8.35	11.58	9.57	9.02	8.06	9.90	8.49	8.00	7.76	
4	8.33	7.93	8.80	8.84	9.74	9.06	10.83	8.91	9.25	8.34	8.08	7.74	
5	8.34	8.07	8.65	8.81	8.18	9.00	9.34	10.22	14.22	8.33	7.99	7.74	
6	8.21	9.73	8.64	9.36	8.90	9.03	11.17	10.63	17.38	8.32	7.98	7.74	
7	7.77	10.79	9.02	8.80	9.10	8.97	13.91	11.81	16.25	8.31	7.94	7.74	
8	7.75	11.78	8.92	8.55	9.12	8.42	12.13	11.66	15.15	8.31	7.92	7.74	
9	7.74	12.42	8.63	9.09	9.04	8.47	10.24	10.06	15.06	8.30	7.86	7.74	
10	7.74	11.96	8.36	10.36	8.89	8.75	9.56	9.35	12.70	8.30	7.75	7.74	
11	7.78	11.66	8.22	12.46	9.56	8.43	9.24	9.04	10.82	8.23	7.75	7.74	
12	7.96	11.90	8.22	13.59	9.86	8.44	8.23	8.75	10.37	7.75	7.75	8.35	
13	7.75	10.70	8.21	13.87	9.45	8.17	8.36	8.74	10.27	7.93	7.75	8.16	
14	7.76	9.14	8.21	13.85	8.98	8.27	9.29	9.93	9.61	8.29	7.75	8.04	
15	7.94	9.14	8.22	12.68	8.96	8.27	9.81	11.48	9.54	8.13	7.80	8.04	
16	8.03	9.12	9.04	11.81	8.41	8.34	8.83	13.40	10.00	7.98	7.87	7.84	
17	8.03	9.01	9.45	9.85	8.48	8.64	9.29	13.25	9.59	8.11	8.67	7.74	
18	8.02	8.66	9.19	8.86	8.78	8.41	13.14	11.35	9.05	8.17	8.66	7.74	
19	8.16	8.87	8.86	9.03	8.18	7.91	13.40	9.98	8.93	8.17	8.02	7.74	
20	7.85	8.94	8.38	8.87	8.60	7.96	13.02	10.33	8.27	8.03	7.92	7.74	
21	7.84	8.80	8.23	9.64	8.79	8.61	12.52	10.09	8.25	7.92	7.89	7.74	
22	7.83	11.21	8.21	9.66	8.60	8.04	11.90	9.31	8.40	7.92	7.75	7.74	
23	7.83	16.00	8.21	10.77	7.85	8.04	10.91	8.69	8.87	7.96	7.77	7.74	
24	7.83	15.21	8.21	10.94	8.05	8.04	11.24	9.59	8.35	7.96	7.81	7.74	
25	7.82	13.63	8.21	9.30	8.14	8.37	11.01	9.91	8.88	7.95	7.81	7.74	
26	7.82	10.73	8.22	9.00	8.40	7.84	9.56	9.69	8.79	8.02	7.80	7.74	
27	7.78	10.26	8.22	9.53	8.34	8.11	9.14	11.03	8.35	8.01	7.80	7.74	
28	7.74	10.50	8.21	9.35	8.14	8.40	10.18	10.50	8.35	7.90	7.78	7.73	
29	7.74	9.79	8.20	8.87	9.41	9.52	9.60	10.04	8.78	7.89		7.73	
30	7.88	9.49	8.19	8.85	9.35	8.90	11.78	8.73	8.55	7.88		7.73	
31		9.36		9.04	8.77		9.53		8.24	7.87		7.73	
Mean	8.03	10.34	8.60	9.96	8.87	8.59	10.40	10.03	10.28	8.11	7.91	7.80	
Max	10.00	16.00	9.80	13.87	11.58	10.19	13.91	13.40	17.38	8.49	8.67	8.35	17.38
Min	7.74	7.93	8.19	8.28	7.85	7.84	8.11	8.06	8.24	7.75	7.75	7.73	7.73
Annual Max Momentary Gage Height	17.47		m. (MSL.) ,			at 14.00 Hours ,	on Dec 6, 2022						
Zero Gage at Bottom Elevation		6.00	m. (MSL.) ,			River Bed	6.95	m. (MSL.)					
Left Bank Elevation		17.49	m. (MSL.) ,										
Right Bank Elevation		17.13	m. (MSL.) ,			Drainage Are	945	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	45.80	15.26	35.34	15.96	14.24	35.34	10.76	12.71	24.70	12.88	7.05	5.40		
2	36.29	23.37	38.76	13.56	26.41	49.60	13.22	10.12	37.24	17.22	7.05	5.40		
3	11.72	18.48	41.80	14.75	81.41	37.43	26.98	9.96	43.80	17.22	9.00	5.40		
4	14.41	7.95	22.80	23.56	40.66	27.74	62.55	24.89	31.35	14.58	10.28	5.10		
5	14.58	10.12	20.10	22.99	11.88	26.60	33.06	50.20	165.90	14.41	8.85	5.10		
6	12.37	40.47	19.92	33.44	24.70	27.17	71.10	58.40	538.30	14.24	8.70	5.10		
7	5.55	61.60	26.98	22.80	28.50	26.03	153.40	87.19	333.75	14.07	8.10	5.10		
8	5.25	86.44	25.08	18.30	28.88	15.96	95.24	83.42	216.75	14.07	7.80	5.10		
9	5.10	102.96	19.74	28.31	27.36	16.86	50.60	47.00	210.90	13.90	6.90	5.10		
10	5.10	90.97	14.92	53.00	24.51	21.90	37.24	33.25	111.00	13.90	5.25	5.10		
11	5.70	83.42	12.54	104.08	37.24	16.14	31.16	27.36	62.30	12.71	5.25	5.10		
12	8.40	89.46	12.54	140.65	43.00	16.32	12.71	21.90	53.20	5.25	5.25	14.75		
13	5.25	59.80	12.37	151.80	35.15	11.72	14.92	21.72	51.20	7.95	5.25	11.56		
14	5.40	29.26	12.37	151.00	26.22	13.39	32.11	44.40	38.19	13.73	5.25	9.64		
15	8.10	29.26	12.54	110.40	25.84	13.39	42.00	78.90	36.86	11.08	6.00	9.64		
16	9.48	28.88	27.36	87.19	15.78	14.58	23.37	134.00	45.80	8.70	7.05	6.60		
17	9.48	26.79	35.15	42.80	17.04	19.92	32.11	128.75	37.81	10.76	20.46	5.10		
18	9.32	20.28	30.21	23.94	22.44	15.78	124.90	75.63	27.55	11.72	20.28	5.10		
19	11.56	24.13	23.94	27.17	11.88	7.65	134.00	45.40	25.27	11.72	9.32	5.10		
20	6.75	25.46	15.26	24.13	19.20	8.40	120.70	52.40	13.39	9.48	7.80	5.10		
21	6.60	22.80	12.71	38.76	22.62	19.38	105.76	47.60	13.05	7.80	7.35	5.10		
22	6.45	72.11	12.37	39.14	19.20	9.64	89.46	32.49	15.60	7.80	5.25	5.10		
23	6.45	295.00	12.37	61.20	6.75	9.64	64.57	20.82	24.13	8.40	5.55	5.10		
24	6.45	220.65	12.37	65.32	9.80	9.64	72.86	37.81	14.75	8.40	6.15	5.10		
25	6.30	142.20	12.37	32.30	11.24	15.09	67.08	44.00	24.32	8.25	6.15	5.10		
26	6.30	60.40	12.54	26.60	15.60	6.60	37.24	39.71	22.62	9.32	6.00	5.10		
27	5.70	51.00	12.54	36.67	14.58	10.76	29.26	67.58	14.75	9.16	6.00	5.10		
28	5.10	55.80	12.37	33.25	11.24	15.60	49.40	55.80	14.75	7.50	5.70	4.95		
29	5.10	41.61	12.20	24.13	34.39	36.48	38.00	46.60	22.44	7.35		4.95		
30	7.20	35.91	12.04	23.75	33.25	24.70	86.44	21.54	18.30	7.20		4.95		
31		33.44		27.36	22.26		36.67		12.88	7.05		4.95		
Total	297.26	1905.28	583.60	1518.31	763.27	579.45	1798.87	1461.55	2302.85	337.82	219.04	185.09	11952.39	CMSDAY
Mean	9.91	61.46	19.45	48.98	24.62	19.31	58.03	48.72	74.29	10.90	7.82	5.97	32.75	CMS
Max	45.80	295.00	41.80	151.80	81.41	49.60	153.40	134.00	538.30	17.22	20.46	14.75	538.30	CMS
Min	5.10	7.95	12.04	13.56	6.75	6.60	10.76	9.96	12.88	5.25	5.25	4.95	4.95	CMS
Runoff	25.68	164.62	50.42	131.18	65.95	50.06	155.42	126.28	198.97	29.19	18.93	15.99	1032.69	MCM
Momentary Peak	554.95 CMS. at 17.47 m. (MSL.) at 14.00 Hours , on Dec 6, 2022													
Runoff Yield	34.65	Liters/Second/Square KM.			Momentary Peak Yield			587.25	Liters/Second/Square KM.					

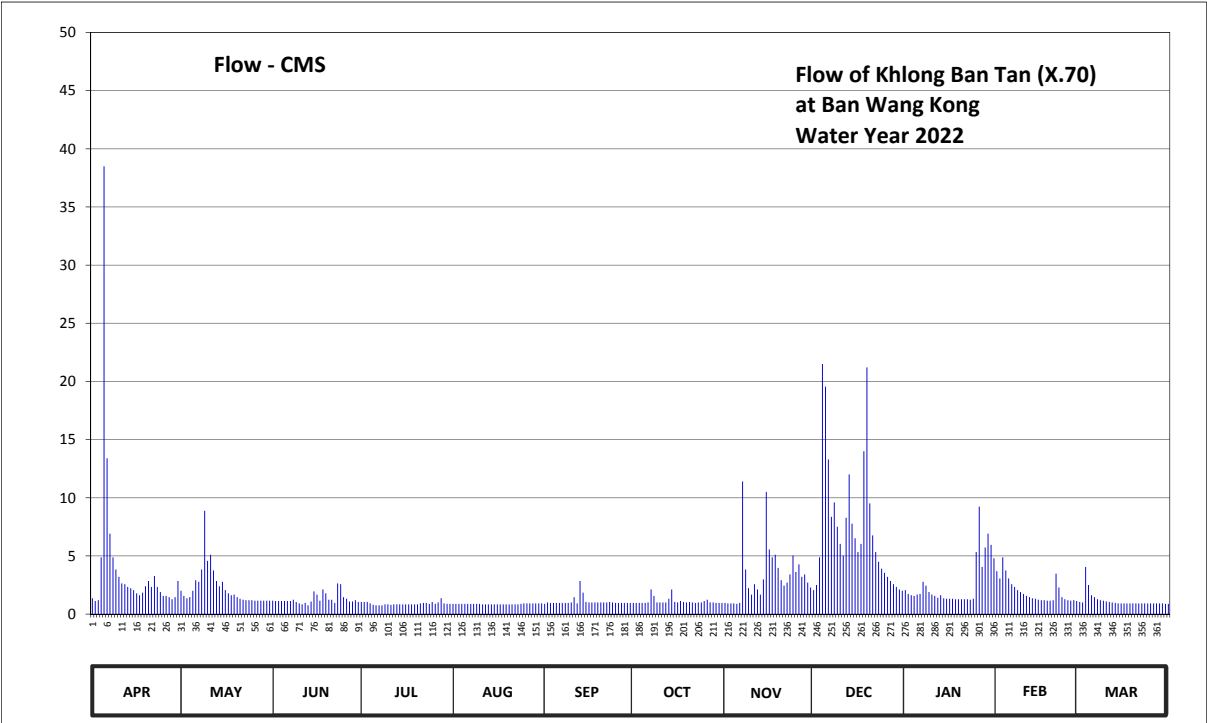
Lat 08 - 25 - 41 N Long 99 - 51 - 38 E

Location : on left bank upstream side of the bridge.

	Ban	Wang Kong	Amphoe	Mueang	Changwat	Nakhon Si Thammarat
Drainage Area	33	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 10 meters from the top staff gage.				Elevation	+21.985 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1967 to date					
Rating Operation						
Period of Rating	1967 - 1971 , 1980 , 1989 to date					
Rated by Float	-					
Rated by Current Meter	1967 - 1971 , 1980 , 1989 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 18.230 m.(MSL.), records are channel flow only.					
General Description	Records fair. Stage-discharge relation defined by 21 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	15.99	16.11	15.94	15.91	15.87	15.87	15.89	15.89	16.12	16.12	16.37	15.91	
2	15.93	16.03	15.93	15.91	15.87	15.90	15.89	15.88	16.20	16.06	16.28	15.90	
3	15.95	15.99	15.93	15.91	15.87	15.89	15.89	15.88	16.53	16.04	16.53	16.42	
4	16.53	16.01	15.93	15.88	15.87	15.89	15.89	15.88	18.10	16.03	16.38	16.20	
5	18.94	16.11	15.93	15.85	15.87	15.89	15.89	15.87	17.97	16.05	16.28	16.04	
6	17.49	16.26	15.93	15.84	15.87	15.89	15.90	15.89	17.48	16.06	16.21	16.01	
7	16.79	16.24	15.93	15.84	15.87	15.89	16.13	17.29	16.96	16.24	16.17	15.97	
8	16.53	16.39	15.96	15.84	15.87	15.89	16.03	16.39	17.10	16.19	16.12	15.95	
9	16.39	17.02	15.91	15.86	15.87	15.89	15.90	16.15	16.86	16.09	16.09	15.94	
10	16.30	16.49	15.88	15.86	15.87	15.90	15.90	16.05	16.68	16.05	16.06	15.92	
11	16.22	16.56	15.86	15.85	15.86	16.01	15.90	16.21	16.55	16.03	16.03	15.91	
12	16.21	16.38	15.89	15.86	15.86	15.88	15.90	16.13	16.95	16.00	16.01	15.90	
13	16.17	16.25	15.84	15.86	15.86	16.25	15.98	16.05	17.35	16.04	15.99	15.89	
14	16.15	16.18	15.92	15.86	15.86	16.08	16.13	16.27	16.89	15.99	15.98	15.88	
15	16.12	16.24	16.10	15.86	15.86	15.91	15.91	17.20	16.74	15.98	15.96	15.88	
16	16.07	16.12	16.05	15.86	15.86	15.90	15.90	16.62	16.59	15.98	15.95	15.88	
17	16.04	16.07	15.94	15.86	15.86	15.90	15.93	16.53	16.68	15.98	15.95	15.88	
18	16.08	16.04	16.13	15.86	15.86	15.90	15.91	16.56	17.55	15.97	15.94	15.88	
19	16.18	16.05	16.07	15.86	15.86	15.90	15.90	16.41	18.08	15.97	15.94	15.88	
20	16.25	16.01	15.96	15.86	15.86	15.90	15.91	16.26	17.09	15.97	15.95	15.88	
21	16.17	15.98	15.96	15.88	15.86	15.90	15.90	16.19	16.77	15.97	16.34	15.88	
22	16.31	15.96	15.89	15.89	15.86	15.90	15.89	16.23	16.59	15.97	16.16	15.88	
23	16.17	15.95	16.22	15.89	15.86	15.91	15.90	16.33	16.48	15.96	16.01	15.88	
24	16.09	15.95	16.21	15.87	15.87	15.90	15.90	16.55	16.40	15.98	15.97	15.88	
25	16.03	15.95	16.01	15.91	15.88	15.89	15.93	16.36	16.35	16.59	15.95	15.88	
26	16.03	15.94	15.98	15.87	15.88	15.89	15.96	16.45	16.30	17.06	15.94	15.88	
27	16.01	15.94	15.92	15.90	15.88	15.89	15.90	16.30	16.25	16.42	15.95	15.88	
28	15.97	15.94	15.92	15.99	15.88	15.89	15.90	16.33	16.21	16.64	15.93	15.88	
29	16.01	15.94	15.95	15.88	15.88	15.89	15.89	16.23	16.17	16.79		15.88	
30	16.25	15.94	15.91	15.87	15.88	15.89	15.89	16.16	16.13	16.67		15.87	
31		15.94		15.87	15.88		15.89		16.11	16.52		15.87	
Mean	16.31	16.13	15.97	15.87	15.87	15.92	15.92	16.28	16.78	16.17	16.09	15.93	
Max	18.94	17.02	16.22	15.99	15.88	16.25	16.13	17.29	18.10	17.06	16.53	16.42	18.94
Min	15.93	15.94	15.84	15.84	15.86	15.87	15.89	15.87	16.11	15.96	15.93	15.87	15.84
Annual Max Momentary Gage Height	21.37		m. (MSL.) ,		at 12.00 Hours , on Apr 5, 2022								
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,		River Bed	15.52	m. (MSL.)						
Left Bank Elevation		22.24	m. (MSL.) ,										
Right Bank Elevation		18.22	m. (MSL.) ,		Drainage Are	33	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.36	2.01	1.16	1.04	0.88	0.88	0.96	0.96	2.06	2.06	3.69	1.04		
2	1.12	1.57	1.12	1.04	0.88	1.00	0.96	0.92	2.50	1.73	3.06	1.00		
3	1.20	1.36	1.12	1.04	0.88	0.96	0.96	0.92	4.88	1.62	4.88	4.05		
4	4.88	1.46	1.12	0.92	0.88	0.96	0.96	0.92	21.50	1.57	3.76	2.50		
5	38.50	2.01	1.12	0.80	0.88	0.96	0.96	0.88	19.55	1.68	3.06	1.62		
6	13.40	2.92	1.12	0.76	0.88	0.96	1.00	0.96	13.30	1.73	2.57	1.46		
7	6.92	2.78	1.12	0.76	0.88	0.96	2.12	11.40	8.36	2.78	2.34	1.28		
8	4.88	3.83	1.24	0.76	0.88	0.96	1.57	3.83	9.60	2.45	2.06	1.20		
9	3.83	8.88	1.04	0.84	0.88	0.96	1.00	2.23	7.51	1.90	1.90	1.16		
10	3.20	4.58	0.92	0.84	0.88	1.00	1.00	1.68	6.04	1.68	1.73	1.08		
11	2.64	5.10	0.84	0.80	0.84	1.46	1.00	2.57	5.03	1.57	1.57	1.04		
12	2.57	3.76	0.96	0.84	0.84	0.92	1.00	2.12	8.28	1.40	1.46	1.00		
13	2.34	2.85	0.76	0.84	0.84	2.85	1.32	1.68	12.00	1.62	1.36	0.96		
14	2.23	2.39	1.08	0.84	0.84	1.84	2.12	2.99	7.77	1.36	1.32	0.92		
15	2.06	2.78	1.95	0.84	0.84	1.04	1.04	10.50	6.52	1.32	1.24	0.92		
16	1.79	2.06	1.68	0.84	0.84	1.00	1.00	5.56	5.33	1.32	1.20	0.92		
17	1.62	1.79	1.16	0.84	0.84	1.00	1.12	4.88	6.04	1.32	1.20	0.92		
18	1.84	1.62	2.12	0.84	0.84	1.00	1.04	5.10	14.00	1.28	1.16	0.92		
19	2.39	1.68	1.79	0.84	0.84	1.00	1.00	3.98	21.20	1.28	1.16	0.92		
20	2.85	1.46	1.24	0.84	0.84	1.00	1.04	2.92	9.51	1.28	1.20	0.92		
21	2.34	1.32	1.24	0.92	0.84	1.00	1.00	2.45	6.76	1.28	3.48	0.92		
22	3.27	1.24	0.96	0.96	0.84	1.00	0.96	2.71	5.33	1.28	2.28	0.92		
23	2.34	1.20	2.64	0.96	0.84	1.04	1.00	3.41	4.50	1.24	1.46	0.92		
24	1.90	1.20	2.57	0.88	0.88	1.00	1.00	5.03	3.90	1.32	1.28	0.92		
25	1.57	1.20	1.46	1.04	0.92	0.96	1.12	3.62	3.55	5.33	1.20	0.92		
26	1.57	1.16	1.32	0.88	0.92	0.96	1.24	4.28	3.20	9.24	1.16	0.92		
27	1.46	1.16	1.08	1.00	0.92	0.96	1.00	3.20	2.85	4.05	1.20	0.92		
28	1.28	1.16	1.08	1.36	0.92	0.96	1.00	3.41	2.57	5.72	1.12	0.92		
29	1.46	1.16	1.20	0.92	0.92	0.96	0.96	2.71	2.34	6.92		0.92		
30	2.85	1.16	1.04	0.88	0.92	0.96	0.96	2.28	2.12	5.96		0.88		
31		1.16		0.88	0.92		0.96		2.01	4.80		0.88		
Total	121.66	70.01	39.25	27.84	27.04	32.51	34.37	100.10	230.11	80.09	55.10	35.87	853.95	CMSDAY
Mean	4.06	2.26	1.31	0.90	0.87	1.08	1.11	3.34	7.42	2.58	1.97	1.16	2.34	CMS
Max	38.50	8.88	2.64	1.36	0.92	2.85	2.12	11.40	21.50	9.24	4.88	4.05	38.50	CMS
Min	1.12	1.16	0.76	0.76	0.84	0.88	0.96	0.88	2.01	1.24	1.12	0.88	0.76	CMS
Runoff	10.51	6.05	3.39	2.41	2.34	2.81	2.97	8.65	19.88	6.92	4.76	3.10	73.78	MCM
Momentary Peak	145.50 CMS. at 21.37 m. (MSL.) at 12.00 Hours , on Apr 5, 2022													
Runoff Yield	70.90 Liters/Second/Square KM.				Momentary Peak Yield 4409.09				Liters/Second/Square KM.					

WATER YEAR : 2022
SOUTHERN PENINSULA EAST COAST

Khlong Klai at Ban Hua Na , Nakhon Si Thammarat (X.149)

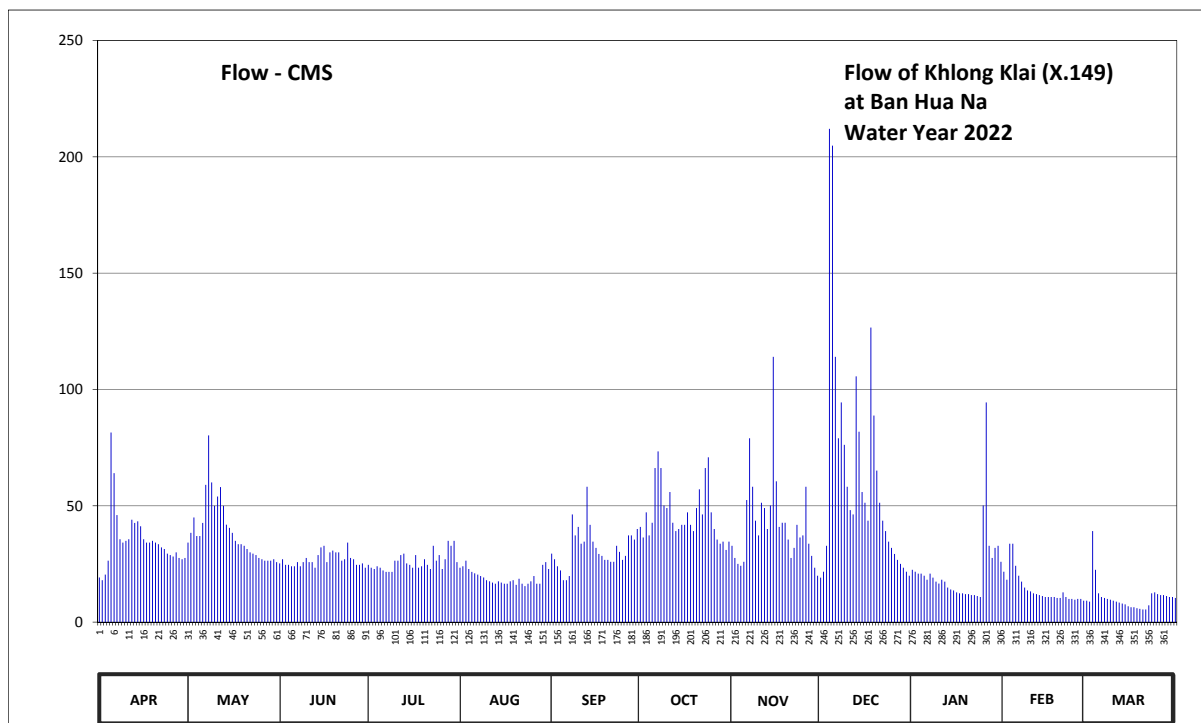
Lat 08 - 43 - 46 N Long 99 - 44 - 53 E

Location : on left bank at Ban Hua Na.

	Ban	Hua Na	Amphoe	Nopphitam	Changwat	Nakhon Si Thammarat
Drainage Area	477	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the station office.				Elevation	+34.588 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1984 to date.					
Rating Operation						
Period of Rating	1984 to date.					
Rated by 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 21 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	27.82	28.06	27.92	27.91	27.89	27.99	27.71	27.62	27.46	27.50	27.49	27.28	
2	27.80	28.12	27.95	27.89	27.90	27.95	27.66	27.56	27.49	27.49	27.45	27.27	
3	27.84	28.21	27.91	27.88	27.94	27.90	27.78	27.53	27.62	27.48	27.63	27.69	
4	27.94	28.10	27.91	27.90	27.88	27.87	27.67	27.52	28.90	27.48	27.63	27.50	
5	28.54	28.10	27.90	27.89	27.86	27.80	27.73	27.54	28.86	27.47	27.52	27.36	
6	28.40	28.18	27.90	27.87	27.85	27.80	27.95	27.83	28.30	27.45	27.47	27.32	
7	28.22	28.35	27.93	27.86	27.84	27.83	28.01	28.05	28.05	27.48	27.44	27.31	
8	28.08	28.53	27.90	27.86	27.83	27.77	27.95	27.88	28.16	27.46	27.41	27.30	
9	28.06	28.36	27.93	27.86	27.82	27.67	27.81	27.74	28.03	27.44	27.39	27.29	
10	28.07	28.26	27.96	27.94	27.80	27.71	27.80	27.67	27.88	27.43	27.38	27.28	
11	28.08	28.30	27.93	27.94	27.79	27.63	27.86	27.82	27.79	27.45	27.36	27.27	
12	28.20	28.34	27.93	27.98	27.78	27.64	27.73	27.80	27.77	27.44	27.35	27.26	
13	28.18	28.26	27.89	27.99	27.77	27.88	27.69	27.70	28.24	27.41	27.34	27.25	
14	28.19	28.17	27.98	27.92	27.79	27.72	27.70	27.81	28.07	27.40	27.33	27.24	
15	28.16	28.15	28.03	27.91	27.78	27.64	27.72	28.30	27.86	27.39	27.32	27.22	
16	28.08	28.12	28.04	27.89	27.77	27.61	27.72	27.90	27.82	27.37	27.32	27.21	
17	28.06	28.07	27.93	27.98	27.77	27.58	27.78	27.71	27.74	27.36	27.32	27.21	
18	28.06	28.05	28.00	27.89	27.79	27.57	27.72	27.73	28.39	27.36	27.32	27.20	
19	28.07	28.05	28.01	27.90	27.80	27.55	27.69	27.73	28.12	27.35	27.31	27.19	
20	28.06	28.04	28.00	27.95	27.76	27.55	27.80	27.65	27.94	27.35	27.31	27.18	
21	28.05	28.02	28.00	27.91	27.81	27.54	27.87	27.56	27.82	27.34	27.37	27.18	
22	28.03	28.00	27.94	27.88	27.77	27.54	27.77	27.61	27.74	27.34	27.32	27.23	
23	28.02	27.99	27.95	28.04	27.75	27.62	27.95	27.72	27.69	27.33	27.30	27.36	
24	27.99	27.98	28.06	27.94	27.77	27.59	27.99	27.66	27.64	27.32	27.30	27.37	
25	27.98	27.96	27.96	27.98	27.79	27.55	27.78	27.67	27.61	27.81	27.29	27.35	
26	27.97	27.95	27.95	27.88	27.83	27.57	27.70	27.88	27.58	28.16	27.30	27.34	
27	28.00	27.94	27.91	27.95	27.77	27.67	27.65	27.63	27.55	27.62	27.30	27.34	
28	27.96	27.94	27.91	28.07	27.77	27.67	27.63	27.57	27.53	27.56	27.28	27.33	
29	27.95	27.94	27.92	28.04	27.91	27.65	27.64	27.51	27.51	27.61		27.32	
30	27.96	27.95	27.89	28.07	27.93	27.70	27.60	27.47	27.49	27.62		27.32	
31		27.93		27.93	27.88		27.64		27.47	27.54		27.31	
Mean	28.06	28.11	27.95	27.93	27.82	27.69	27.76	27.71	27.87	27.48	27.38	27.30	
Max	28.54	28.53	28.06	28.07	27.94	27.99	28.01	28.30	28.90	28.16	27.63	27.69	28.90
Min	27.80	27.93	27.89	27.86	27.75	27.54	27.60	27.47	27.46	27.32	27.28	27.18	27.18
Annual Max Momentary Gage Height	29.75		m. (MSL.) ,			at 03.00 Hours ,	on Dec 5, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	24.70	m. (MSL.)					
Left Bank Elevation		36.16	m. (MSL.) ,										
Right Bank Elevation		36.15	m. (MSL.) ,			Drainage Are	477	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	19.20	34.20	25.20	24.60	23.40	29.40	40.90	32.80	19.10	22.50	21.65	9.20		
2	18.00	38.40	27.00	23.40	24.00	27.00	36.40	27.60	21.65	21.65	18.25	8.80		
3	20.40	45.00	24.60	22.80	26.40	24.00	47.20	25.05	32.80	20.80	33.70	39.10		
4	26.40	37.00	24.60	24.00	22.80	22.20	37.30	24.20	212.00	20.80	33.70	22.50		
5	81.50	37.00	24.00	23.40	21.60	18.00	42.70	25.90	204.80	19.95	24.20	12.40		
6	64.00	42.60	24.00	22.20	21.00	18.00	66.25	52.45	114.00	18.25	19.95	10.80		
7	46.00	59.00	25.80	21.60	20.40	19.80	73.40	79.00	79.00	20.80	17.40	10.40		
8	35.60	80.25	24.00	21.60	19.80	46.30	66.25	58.20	94.40	19.10	14.85	10.00		
9	34.20	60.00	25.80	21.60	19.20	37.30	50.15	43.60	76.20	17.40	13.60	9.60		
10	34.90	50.00	27.60	26.40	18.00	40.90	49.00	37.30	58.20	16.55	13.20	9.20		
11	35.60	54.00	25.80	26.40	17.50	33.70	55.90	51.30	48.10	18.25	12.40	8.80		
12	44.00	58.00	25.80	28.80	17.00	34.60	42.70	49.00	46.30	17.40	12.00	8.40		
13	42.60	50.00	23.40	29.40	16.50	58.20	39.10	40.00	105.60	14.85	11.60	8.00		
14	43.30	41.90	28.80	25.20	17.50	41.80	40.00	50.15	81.80	14.00	11.20	7.60		
15	41.20	40.50	32.10	24.60	17.00	34.60	41.80	114.00	55.90	13.60	10.80	6.80		
16	35.60	38.40	32.80	23.40	16.50	31.90	41.80	60.50	51.30	12.80	10.80	6.40		
17	34.20	34.90	25.80	28.80	16.50	29.30	47.20	40.90	43.60	12.40	10.80	6.40		
18	34.20	33.50	30.00	23.40	17.50	28.45	41.80	42.70	126.60	12.40	10.80	6.00		
19	34.90	33.50	30.70	24.00	18.00	26.75	39.10	42.70	88.80	12.00	10.40	5.70		
20	34.20	32.80	30.00	27.00	16.00	26.75	49.00	35.50	65.10	12.00	10.40	5.40		
21	33.50	31.40	30.00	24.60	18.60	25.90	57.05	27.60	51.30	11.60	12.80	5.40		
22	32.10	30.00	26.40	22.80	16.50	25.90	46.30	31.90	43.60	11.60	10.80	7.20		
23	31.40	29.40	27.00	32.80	15.50	32.80	66.25	41.80	39.10	11.20	10.00	12.40		
24	29.40	28.80	34.20	26.40	16.50	30.15	70.85	36.40	34.60	10.80	10.00	12.80		
25	28.80	27.60	27.60	28.80	17.50	26.75	47.20	37.30	31.90	50.15	9.60	12.00		
26	28.20	27.00	27.00	22.80	19.80	28.45	40.00	58.20	29.30	94.40	10.00	11.60		
27	30.00	26.40	24.60	27.00	16.50	37.30	35.50	33.70	26.75	32.80	10.00	11.60		
28	27.60	26.40	24.60	34.90	16.50	37.30	33.70	28.45	25.05	27.60	9.20	11.20		
29	27.00	26.40	25.20	32.80	24.60	35.50	34.60	23.35	23.35	31.90		10.80		
30	27.60	27.00	23.40	34.90	25.80	40.00	31.00	19.95	21.65	32.80		10.80		
31		25.80		25.80	22.80		34.60		19.95	25.90		10.40		
Total	1055.60	1207.15	807.80	806.20	597.20	949.00	1445.00	1271.50	1971.80	678.25	404.10	327.70	11521.30	CMSDAY
Mean	35.19	38.94	26.93	26.01	19.26	31.63	46.61	42.38	63.61	21.88	14.43	10.57	31.57	CMS
Max	81.50	80.25	34.20	34.90	26.40	58.20	73.40	114.00	212.00	94.40	33.70	39.10	212.00	CMS
Min	18.00	25.80	23.40	21.60	15.50	18.00	31.00	19.95	19.10	10.80	9.20	5.40	5.40	CMS
Runoff	91.20	104.30	69.79	69.66	51.60	81.99	124.85	109.86	170.36	58.60	34.91	28.31	995.44	MCM
Momentary Peak	CMS. at 29.75 m. (MSL.) at 03.00 Hours , on Dec 5, 2022													
Runoff Yield	66.17	Liters/Second/Square KM.	Momentary Peak Yield				802.94	Liters/Second/Square KM.						

WATER YEAR : 2022**SOUTHERN PENINSULA EAST COAST****Khlong Tha Taphao at Ban Wang Khrok , Chumphon (X.158)**

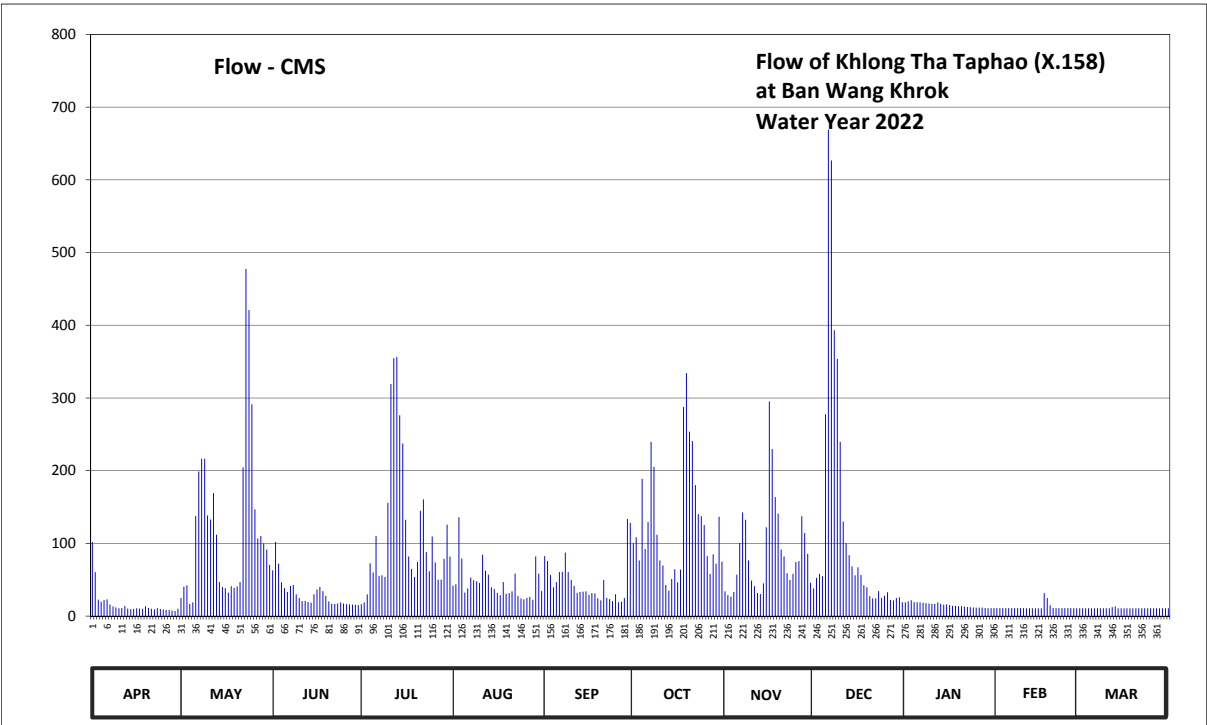
Lat 10 - 35 - 40 N Long 99 - 08 - 30 E

Location : on right bank at the bridge on Chumphon - Prachuap Khiri Khan Highway.

	Ban	Wang Khrok	Amphoe	Tha Sae	Changwat	Chumphon
Drainge Area	1,817	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 1 meters from the top staff gage.				Elevation	+11.796 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1984 to date					
Rating Operation						
Period of Rating	1990 to date					
Rated by Float	-					
Rated by Current Meter	1990 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 24 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.13	3.56	4.44	3.28	4.00	4.81	5.10	3.80	3.90	3.36	3.10	3.09	
2	4.39	3.97	5.13	3.36	4.04	4.69	5.24	3.67	4.23	3.41	3.10	3.09	
3	3.49	4.01	4.62	3.70	5.70	4.31	4.70	3.62	4.34	3.46	3.10	3.09	
4	3.39	3.29	4.10	4.63	4.75	3.94	6.55	3.78	4.28	3.37	3.10	3.09	
5	3.47	3.36	3.91	4.38	3.76	4.11	4.97	4.32	7.81	3.37	3.10	3.09	
6	3.50	5.73	3.78	5.27	3.90	4.39	5.59	5.11	11.08	3.36	3.10	3.09	
7	3.27	6.70	3.99	4.28	4.24	4.40	7.28	5.81	10.88	3.34	3.10	3.09	
8	3.17	6.95	4.02	4.30	4.16	4.89	6.79	5.64	9.15	3.33	3.10	3.09	
9	3.13	6.95	3.70	4.26	4.13	4.39	5.30	4.70	8.73	3.31	3.10	3.09	
10	3.09	5.74	3.57	6.03	4.08	4.17	4.70	4.15	7.28	3.30	3.10	3.09	
11	3.10	5.65	3.43	8.33	4.84	3.99	4.57	3.98	5.60	3.29	3.09	3.09	
12	3.20	6.25	3.43	8.74	4.43	3.75	4.02	3.75	5.10	3.36	3.09	3.14	
13	3.08	5.30	3.38	8.76	4.32	3.78	3.83	3.71	4.83	3.30	3.09	3.17	
14	3.05	4.11	3.35	7.79	3.94	3.79	4.20	4.07	4.55	3.26	3.09	3.09	
15	3.06	3.95	3.70	7.25	3.88	3.80	4.47	5.47	4.30	3.27	3.09	3.09	
16	3.09	3.91	3.87	5.64	3.75	3.68	4.10	8.04	4.52	3.24	3.09	3.09	
17	3.08	3.76	3.95	4.80	3.67	3.74	4.46	7.14	4.31	3.20	3.74	3.09	
18	3.07	3.98	3.81	4.48	4.11	3.73	7.94	6.16	4.01	3.20	3.56	3.09	
19	3.18	3.92	3.65	4.26	3.72	3.55	8.51	5.78	3.94	3.19	3.23	3.09	
20	3.11	3.97	3.41	4.66	3.74	3.46	7.48	4.96	3.64	3.19	3.11	3.09	
21	3.07	4.11	3.30	5.85	3.80	4.17	7.30	4.80	3.55	3.17	3.10	3.09	
22	3.04	6.78	3.29	6.11	4.35	3.57	6.42	4.36	3.55	3.15	3.10	3.09	
23	3.10	9.96	3.31	4.90	3.64	3.51	5.77	4.17	3.81	3.14	3.10	3.09	
24	3.06	9.44	3.36	4.41	3.54	3.42	5.72	4.34	3.57	3.13	3.10	3.09	
25	3.03	7.99	3.31	5.26	3.50	3.70	5.52	4.66	3.65	3.12	3.10	3.09	
26	3.01	5.88	3.28	4.65	3.57	3.37	4.81	4.68	3.77	3.12	3.10	3.09	
27	3.02	5.21	3.27	4.18	3.61	3.39	4.34	5.72	3.47	3.12	3.10	3.09	
28	2.98	5.27	3.26	4.18	3.48	3.56	4.85	5.34	3.45	3.11	3.09	3.09	
29	2.97	5.10	3.26	4.74	4.80	5.66	4.62	4.86	3.56	3.10		3.09	
30	3.07	4.96	3.24	5.53	4.35	5.57	5.71	4.09	3.59	3.10		3.09	
31		4.59		4.80	3.81		4.67		3.37	3.10		3.09	
Mean	3.25	5.30	3.67	5.25	4.05	4.04	5.47	4.82	5.03	3.24	3.14	3.09	
Max	5.13	9.96	5.13	8.76	5.70	5.66	8.51	8.04	11.08	3.46	3.74	3.17	11.08
Min	2.97	3.29	3.24	3.28	3.48	3.37	3.83	3.62	3.37	3.10	3.09	3.09	2.97
Annual Max Momentary Gage Height	11.38		m. (MSL.) ,				at 24.00 Hours , on Dec 6, 2022						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	1.25	m. (MSL.)					
Left Bank Elevation	14.50		m. (MSL.) ,										
Right Bank Elevation	14.46		m. (MSL.) ,			Drainage Are	1,817	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	101.80	24.80	63.00	16.40	42.00	82.60	100.00	34.00	38.00	18.80	11.00	10.70	
2	60.50	40.80	101.80	18.80	43.80	75.95	108.40	28.80	52.50	20.30	11.00	10.70	
3	22.70	42.45	72.10	30.00	136.00	56.50	76.50	26.80	58.00	21.80	11.00	10.70	
4	19.70	16.70	46.50	72.65	79.25	39.60	188.75	33.20	55.00	19.10	11.00	10.70	
5	22.10	18.80	38.40	60.00	32.40	46.95	92.20	57.00	277.75	19.10	11.00	10.70	
6	23.00	137.80	33.20	110.20	38.00	60.50	129.40	100.60	669.20	18.80	11.00	10.70	
7	16.10	199.00	41.60	55.00	53.00	61.00	239.60	142.60	626.80	18.20	11.00	10.70	
8	13.10	216.50	42.90	56.00	49.20	87.40	205.30	132.40	393.25	17.90	11.00	10.70	
9	11.90	216.50	30.00	54.00	47.85	60.50	112.00	76.50	353.70	17.30	11.00	10.70	
10	10.70	138.40	25.10	155.80	45.60	49.65	76.50	48.75	239.60	17.00	11.00	10.70	
11	11.00	133.00	20.90	319.23	84.40	41.60	69.50	41.20	130.00	16.70	10.70	10.70	
12	14.00	169.25	20.90	354.60	62.50	32.00	42.90	32.00	100.00	18.80	10.70	12.20	
13	10.40	112.00	19.40	356.40	57.00	33.20	35.20	30.40	83.80	17.00	10.70	13.10	
14	9.50	46.95	18.50	276.25	39.60	33.60	51.00	45.15	68.50	15.80	10.70	10.70	
15	9.80	40.00	30.00	237.50	37.20	34.00	64.50	122.20	56.00	16.10	10.70	10.70	
16	10.70	38.40	36.80	132.40	32.00	29.20	46.50	295.30	67.00	15.20	10.70	10.70	
17	10.40	32.40	40.00	82.00	28.80	31.60	64.00	229.80	56.50	14.00	31.60	10.70	
18	10.10	41.20	34.40	65.00	46.95	31.20	287.50	163.60	42.45	14.00	24.80	10.70	
19	13.40	38.80	28.00	54.00	30.80	24.50	334.35	140.80	39.60	13.70	14.90	10.70	
20	11.30	40.80	20.30	74.30	31.60	21.80	253.60	91.60	27.60	13.70	11.30	10.70	
21	10.10	46.95	17.00	145.00	34.00	49.65	241.00	82.00	24.50	13.10	11.00	10.70	
22	9.20	204.60	16.70	160.60	58.50	25.10	180.30	59.00	24.50	12.50	11.00	10.70	
23	11.00	477.40	17.30	88.00	27.60	23.30	140.20	49.65	34.40	12.20	11.00	10.70	
24	9.80	421.00	18.80	61.50	24.20	20.60	137.20	58.00	25.10	11.90	11.00	10.70	
25	8.90	291.25	17.30	109.60	23.00	30.00	125.20	74.30	28.00	11.60	11.00	10.70	
26	8.30	146.80	16.40	73.75	25.10	19.10	82.60	75.40	32.80	11.60	11.00	10.70	
27	8.60	106.60	16.10	50.10	26.40	19.70	58.00	137.20	22.10	11.60	11.00	10.70	
28	7.40	110.20	15.80	50.10	22.40	24.80	85.00	114.40	21.50	11.30	10.70	10.70	
29	7.10	100.00	15.80	78.70	82.00	133.60	72.10	85.60	24.80	11.00		10.70	
30	10.10	91.60	15.20	125.80	58.50	128.20	136.60	46.05	25.70	11.00		10.70	
31		70.50		82.00	34.40		74.85		19.10	11.00		10.70	
Total	502.70	3811.45	930.20	3605.68	1434.05	1407.40	3910.75	2654.30	3717.75	472.10	344.50	335.60	23126.48 CMSDAY
Mean	16.76	122.95	31.01	116.31	46.26	46.91	126.15	88.48	119.93	15.23	12.30	10.83	63.36 CMS
Max	101.80	477.40	101.80	356.40	136.00	133.60	334.35	295.30	669.20	21.80	31.60	13.10	669.20 CMS
Min	7.10	16.70	15.20	16.40	22.40	19.10	35.20	26.80	19.10	11.00	10.70	10.70	7.10 CMS
Runoff	43.43	329.31	80.37	311.53	123.90	121.60	337.89	229.33	321.21	40.79	29.76	29.00	1998.13 MCM
Momentary Peak	735.50 CMS. at 11.38 m. (MSL.) at 24.00 Hours , on Dec 6, 2022												
Runoff Yield	34.87	Liters/Second/Square KM.			Momentary Peak Yield			404.79	Liters/Second/Square KM.				

WATER YEAR : 2022
SOUTHERN PENINSULA EAST COAST

Khlong Sao Thong at Ban Sao Thong , Nakhon Si Thammarat (X.167)

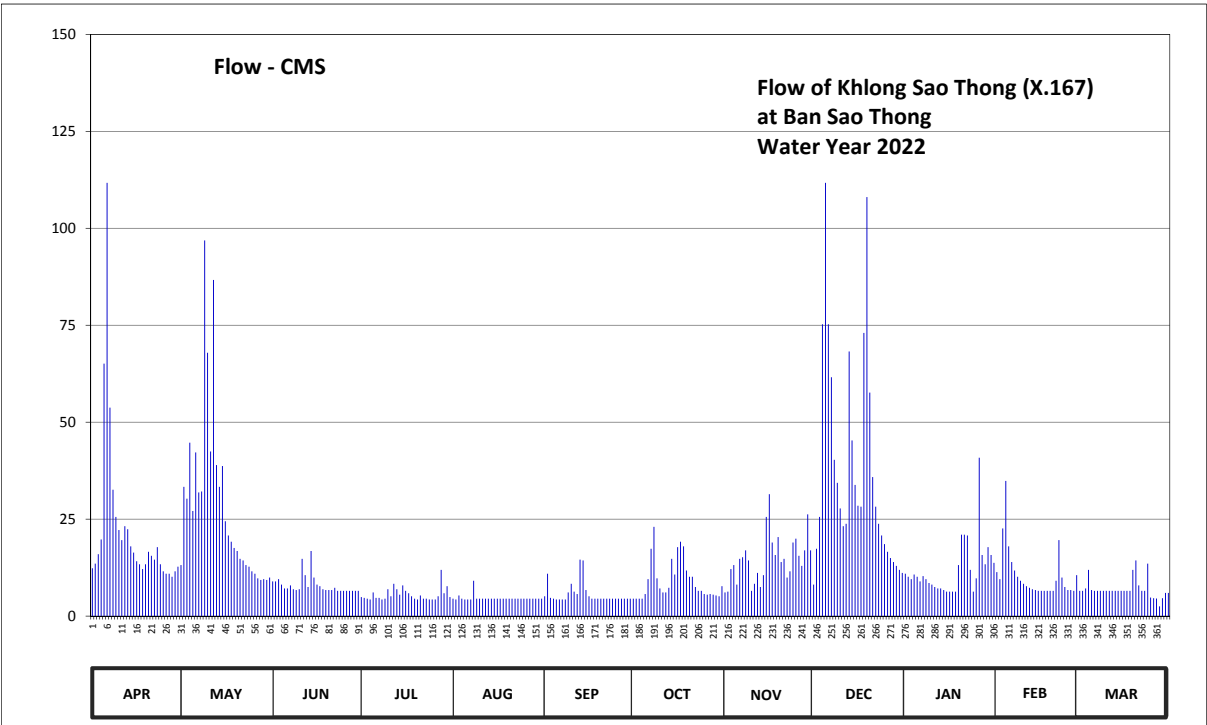
Lat 08 - 16 - 51 N Long 99 - 54 - 21 E

Location : on right bank at the bridge.

	Ban Sao Thong	Amphoe Ron Phibun	Changwat Nakhon Si Thammarat
Drainge Area	279 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	In front of the staff's house read water level station	Elevation	+12.456 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1986 to date		
Rating Operation			
Period of Rating	1989 to date		
Rated by Float	-		
Rated by Current Meter	1989 to date		
Stability of Channel Regimes	Stable because of backwater effect.		
Overbank Flow Conditions	Overbank flow starts at elevation + 11.360 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 21 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.24	8.28	8.07	7.87	7.85	7.88	7.85	7.93	8.03	8.17	8.19	7.95	
2	8.30	9.23	8.07	7.86	7.84	8.17	7.85	7.94	8.49	8.13	8.10	7.95	
3	8.42	9.10	8.10	7.85	7.89	7.86	7.85	8.23	8.89	8.10	8.75	7.98	
4	8.61	9.66	8.03	7.84	7.85	7.85	7.85	8.28	10.58	8.16	9.29	8.22	
5	10.30	8.96	7.98	7.93	7.84	7.84	7.91	8.03	11.47	8.13	8.52	7.96	
6	11.47	9.57	7.98	7.86	7.84	7.84	8.10	8.36	10.58	8.07	8.32	7.95	
7	9.96	9.17	8.02	7.86	7.84	7.84	8.49	8.38	10.20	8.14	8.21	7.95	
8	9.20	9.18	7.97	7.84	8.08	7.84	8.77	8.47	9.50	8.10	8.13	7.95	
9	8.89	11.13	7.96	7.85	7.85	7.93	8.11	8.34	9.27	8.05	8.08	7.95	
10	8.73	10.38	7.97	7.97	7.85	8.04	7.98	7.95	8.99	8.03	8.04	7.95	
11	8.60	9.58	8.36	7.88	7.85	7.94	7.93	8.04	8.78	8.00	8.01	7.95	
12	8.78	10.88	8.15	8.04	7.85	7.91	7.93	8.18	8.81	7.98	7.99	7.95	
13	8.74	9.45	8.00	7.97	7.85	8.35	7.99	8.00	10.39	7.98	7.97	7.95	
14	8.52	9.23	8.46	7.90	7.85	8.34	8.36	8.15	9.68	7.96	7.96	7.95	
15	8.44	9.44	8.12	8.02	7.85	7.96	8.16	8.89	9.25	7.94	7.95	7.95	
16	8.33	8.84	8.03	7.95	7.85	7.88	8.51	9.15	9.02	7.94	7.95	7.95	
17	8.29	8.66	8.01	7.92	7.85	7.85	8.58	8.57	9.01	7.94	7.95	7.95	
18	8.23	8.58	7.97	7.88	7.85	7.85	8.52	8.41	10.52	7.94	7.95	7.95	
19	8.29	8.50	7.96	7.85	7.85	7.85	8.21	8.64	11.39	8.28	7.95	8.22	
20	8.45	8.46	7.96	7.84	7.85	7.85	8.13	8.32	10.08	8.67	7.95	8.34	
21	8.40	8.36	7.96	7.89	7.85	7.85	8.13	8.36	9.33	8.67	8.08	8.02	
22	8.35	8.34	7.99	7.85	7.85	7.85	8.00	8.12	9.01	8.66	8.60	7.95	
23	8.51	8.28	7.95	7.85	7.85	7.85	7.95	8.20	8.81	8.22	8.12	7.95	
24	8.29	8.26	7.95	7.84	7.85	7.85	7.95	8.57	8.66	7.94	8.00	8.30	
25	8.20	8.20	7.95	7.84	7.85	7.85	7.91	8.62	8.55	8.11	7.96	8.57	
26	8.17	8.17	7.95	7.84	7.85	7.85	7.90	8.40	8.45	9.52	7.96	8.55	
27	8.17	8.11	7.95	7.88	7.85	7.85	7.91	8.27	8.37	8.41	7.95	8.54	
28	8.13	8.09	7.95	8.22	7.85	7.85	7.90	8.47	8.32	8.29	8.15	8.20	
29	8.20	8.10	7.95	7.92	7.85	7.85	7.89	8.92	8.27	8.51		8.55	
30	8.26	8.09	7.95	8.01	7.85	7.85	7.88	8.47	8.22	8.41		8.68	
31		8.12		7.87	7.85		8.01		8.18	8.31		8.68	
Mean	8.65	8.92	8.02	7.90	7.86	7.91	8.08	8.36	9.26	8.22	8.15	8.13	
Max	11.47	11.13	8.46	8.22	8.08	8.35	8.77	9.15	11.47	9.52	9.29	8.68	11.47
Min	8.13	8.09	7.95	7.84	7.84	7.84	7.85	7.93	8.03	7.94	7.95	7.95	7.84
Annual Max Momentary Gage Height	11.75		m. (MSL.) ,				at 21.00 Hours , on Apr 5, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	7.01	m. (MSL.)					
Left Bank Elevation		11.35	m. (MSL.) ,										
Right Bank Elevation		11.66	m. (MSL.) ,			Drainage Are	279	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	12.34	13.15	8.93	4.91	4.51	5.11	4.51	6.11	8.12	10.94	11.34	6.52		
2	13.55	33.35	8.93	4.71	4.30	10.94	4.51	6.31	17.37	10.13	9.53	6.52		
3	15.96	30.30	9.53	4.51	5.31	4.71	4.51	12.14	25.58	9.53	22.60	7.12		
4	19.78	44.74	8.12	4.30	4.51	4.51	4.51	13.15	75.26	10.74	34.85	11.94		
5	65.10	27.12	7.12	6.11	4.30	4.30	5.71	8.12	111.72	10.13	17.97	6.72		
6	111.72	42.19	7.12	4.71	4.30	4.30	9.53	14.76	75.26	8.93	13.95	6.52		
7	53.76	31.91	7.92	4.71	4.30	4.30	17.37	15.16	61.60	10.33	11.74	6.52		
8	32.60	32.14	6.92	4.30	9.13	4.30	23.00	16.97	40.30	9.53	10.13	6.52		
9	25.58	96.89	6.72	4.51	4.51	6.11	9.73	14.35	34.35	8.53	9.13	6.52		
10	22.19	67.90	6.92	6.92	4.51	8.32	7.12	6.52	27.78	8.12	8.32	6.52		
11	19.58	42.46	14.76	5.11	4.51	6.31	6.11	8.32	23.20	7.52	7.72	6.52		
12	23.20	86.68	10.54	8.32	4.51	5.71	6.11	11.14	23.82	7.12	7.32	6.52		
13	22.39	38.95	7.52	6.92	4.51	14.56	7.32	7.52	68.25	7.12	6.92	6.52		
14	17.97	33.35	16.77	5.51	4.51	14.35	14.76	10.54	45.32	6.72	6.72	6.52		
15	16.36	38.68	9.93	7.92	4.51	6.72	10.74	25.58	33.85	6.31	6.52	6.52		
16	14.15	24.48	8.12	6.52	4.51	5.11	17.77	31.45	28.46	6.31	6.52	6.52		
17	13.35	20.79	7.72	5.91	4.51	4.51	19.18	18.98	28.23	6.31	6.52	6.52		
18	12.14	19.18	6.92	5.11	4.51	4.51	17.97	15.76	73.04	6.31	6.52	6.52		
19	13.35	17.57	6.72	4.51	4.51	4.51	11.74	20.38	108.07	13.15	6.52	11.94		
20	16.57	16.77	6.72	4.30	4.51	4.51	10.13	13.95	57.64	20.99	6.52	14.35		
21	15.56	14.76	6.72	5.31	4.51	4.51	10.13	14.76	35.85	20.99	9.13	7.92		
22	14.56	14.35	7.32	4.51	4.51	4.51	7.52	9.93	28.23	20.79	19.58	6.52		
23	17.77	13.15	6.52	4.51	4.51	4.51	6.52	11.54	23.82	11.94	9.93	6.52		
24	13.35	12.75	6.52	4.30	4.51	4.51	6.52	18.98	20.79	6.31	7.52	13.55		
25	11.54	11.54	6.52	4.30	4.51	4.51	5.71	19.98	18.58	9.73	6.72	4.78		
26	10.94	10.94	6.52	4.30	4.51	4.51	5.51	15.56	16.57	40.84	6.72	4.63		
27	10.94	9.73	6.52	5.11	4.51	4.51	5.71	12.95	14.96	15.76	6.52	4.55		
28	10.13	9.33	6.52	11.94	4.51	4.51	5.51	16.97	13.95	13.35	10.54	2.50		
29	11.54	9.53	6.52	5.91	4.51	4.51	5.31	26.24	12.95	17.77		4.63		
30	12.75	9.33	6.52	7.72	4.51	4.51	5.11	16.97	11.94	15.76		5.96		
31		9.93		4.91	4.51		7.72		11.14	13.75		5.96		
Total	670.72	883.94	240.15	172.64	144.39	172.80	283.60	441.09	1176.00	371.76	294.02	217.39	5068.50	CMSDAY
Mean	22.36	28.51	8.01	5.57	4.66	5.76	9.15	14.70	37.94	11.99	10.50	7.01	13.89	CMS
Max	111.72	96.89	16.77	11.94	9.13	14.56	23.00	31.45	111.72	40.84	34.85	14.35	111.72	CMS
Min	10.13	9.33	6.52	4.30	4.30	4.30	4.51	6.11	8.12	6.31	6.52	2.50	2.50	CMS
Runoff	57.95	76.37	20.75	14.92	12.48	14.93	24.50	38.11	101.61	32.12	25.40	18.78	437.92	MCM
Momentary Peak	124.98 CMS. at 11.75 m. (MSL.) at 21.00 Hours , on Apr 5, 2022													
Runoff Yield	49.77	Liters/Second/Square KM.		Momentary Peak Yield		447.96	Liters/Second/Square KM.							

WATER YEAR : 2022**PENINSULA - UPPER EAST COAST BASIN****Khlong Tha Taphao at Mueang , Chumphon (X.180)**

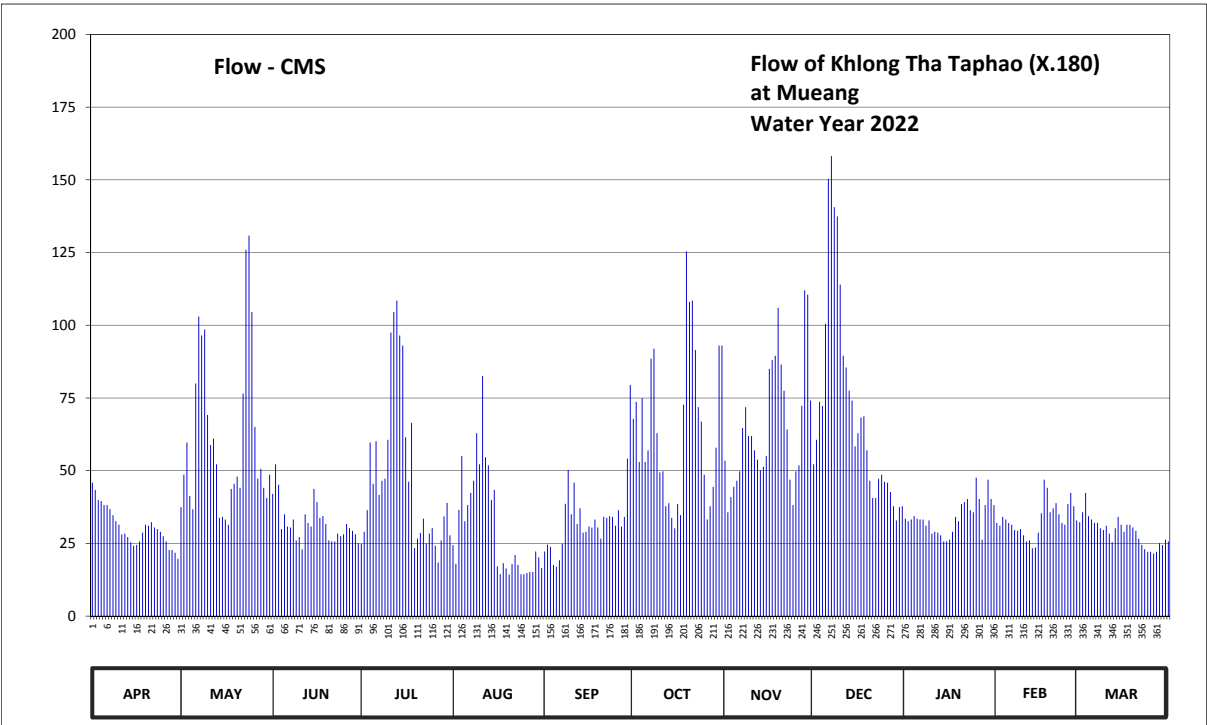
Lat 10 - 29 - 49 N Long 99 - 10 - 12 E

Location : on left bank at the bridge.

	Ban -	Amphoe	Mueang	Changwat	Chumphon
Drainge Area	1,926	sq.km.			
Type of Gage	Water - stage recorder				
Zero Gage at Bottom	+0.000	m. (MSL.)			
Bench Mark	B.M.-H.D.				
Location BM	Next to a flood warning sign.			Elevation	+5.896 m. (MSL.)
Gage Reading Frequency	Recording				
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings				
Period of Available Gage Records	1995 to date				
Rating Operation					
Period of Rating	1995 to date				
Rated by Float	-				
Rated by Current Meter	1995 to date				
Stability of Channel Regimes	Fairly stable because of backwater effect.				
Overbank Flow Conditions	No overbank flow.				
General Description	Records very good. Stage-discharge relation defined by 20 discharge measurements made in 2022.				

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.11	0.87	1.00	0.46	1.32	1.21	1.64	1.31	1.28	0.75	0.70	0.71	
2	1.04	1.19	1.28	0.60	1.00	1.33	1.77	0.82	1.48	0.72	0.67	0.82	
3	0.94	1.46	1.09	0.84	1.85	1.29	1.30	0.97	1.77	0.74	0.77	1.01	
4	0.93	0.98	0.63	1.46	1.35	0.96	1.80	1.07	1.74	0.78	0.74	0.78	
5	0.89	0.85	0.80	1.10	0.72	0.90	1.30	1.13	2.31	0.75	0.70	0.74	
6	0.89	1.90	0.66	1.47	0.89	1.06	1.40	1.22	3.19	0.74	0.68	0.70	
7	0.85	2.36	0.65	0.99	1.01	1.34	2.07	1.57	3.31	0.74	0.62	0.70	
8	0.79	2.23	0.74	1.13	1.13	1.92	2.14	1.73	3.04	0.67	0.61	0.64	
9	0.72	2.27	0.50	1.15	1.53	1.23	1.53	1.51	2.99	0.73	0.63	0.62	
10	0.68	1.67	0.54	1.48	1.28	0.80	1.21	1.51	2.58	0.58	0.56	0.67	
11	0.57	1.44	0.40	2.25	1.95	1.11	1.22	1.40	2.09	0.60	0.49	0.58	
12	0.58	1.49	0.80	2.39	1.34	0.69	0.88	1.32	2.01	0.59	0.50	0.48	
13	0.54	1.28	0.70	2.47	1.27	0.86	0.91	1.23	1.85	0.56	0.41	0.64	
14	0.48	0.76	0.66	2.23	0.94	0.59	0.76	1.26	1.78	0.49	0.42	0.77	
15	0.44	0.77	1.05	2.16	1.04	0.60	0.64	1.35	1.43	0.49	0.59	0.68	
16	0.45	0.74	0.92	1.50	0.91	0.66	0.90	2.00	1.53	0.51	0.81	0.60	
17	0.49	0.68	0.76	1.12	0.64	0.65	0.79	2.06	1.65	0.60	1.14	0.68	
18	0.59	1.05	0.78	1.61	1.01	0.74	1.75	2.09	1.66	0.77	1.06	0.68	
19	0.68	1.10	0.69	1.27	0.84	0.65	2.79	2.42	1.40	0.72	0.82	0.65	
20	0.67	1.17	0.50	1.43	0.63	0.52	2.46	2.03	1.13	0.90	0.86	0.61	
21	0.71	1.06	0.49	1.53	0.99	0.77	2.47	1.85	0.96	0.92	0.91	0.52	
22	0.65	1.83	0.49	1.74	1.15	0.76	2.13	1.56	0.96	0.95	0.80	0.45	
23	0.63	2.80	0.58	1.35	0.96	0.78	1.73	1.14	1.15	0.84	0.70	0.40	
24	0.60	2.88	0.55	1.52	0.64	0.77	1.62	0.89	1.19	0.82	0.68	0.37	
25	0.55	2.39	0.57	1.61	0.64	0.67	1.19	1.22	1.12	1.16	0.90	0.37	
26	0.49	1.58	0.69	1.31	0.68	0.84	0.74	1.27	1.11	0.95	1.01	0.35	
27	0.39	1.15	0.64	1.02	0.71	0.66	0.88	1.74	1.02	0.51	0.88	0.37	
28	0.39	1.24	0.61	1.40	0.72	0.77	1.07	2.54	0.88	0.89	0.73	0.47	
29	0.36	1.06	0.57	1.77	1.21	1.33	1.42	2.51	0.73	1.14		0.45	
30	0.29	0.96	0.47	1.93	1.11	1.89	2.16	1.78	0.87	0.95		0.51	
31		1.19		1.49	0.85		2.16		0.88	0.89		0.49	
Mean	0.65	1.43	0.69	1.48	1.04	0.94	1.51	1.55	1.65	0.76	0.73	0.60	
Max	1.11	2.88	1.28	2.47	1.95	1.92	2.79	2.54	3.31	1.16	1.14	1.01	3.31
Min	0.29	0.68	0.40	0.46	0.63	0.52	0.64	0.82	0.73	0.49	0.41	0.35	0.29
Annual Max Momentary Gage Height	3.39		m. (MSL.) ,			at 12.00 Hours , on Dec 7, 2022							
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	-2.80	m. (MSL.)					
Left Bank Elevation		6.47	m. (MSL.) ,										
Right Bank Elevation		7.08	m. (MSL.) ,			Drainage Are	1,926	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	45.85	37.45	42.00	24.80	24.40	22.20	67.80	53.40	52.20	33.50	32.00	32.30		
2	43.40	48.65	52.20	29.00	18.00	24.60	73.65	35.70	60.60	32.60	31.10	35.70		
3	39.90	59.70	45.15	36.40	36.50	23.80	53.00	40.95	73.65	33.20	34.10	42.35		
4	39.55	41.30	29.90	59.70	55.00	17.60	75.00	44.45	72.30	34.40	33.20	34.40		
5	38.15	36.75	35.00	45.50	32.60	17.00	53.00	46.55	100.50	33.50	32.00	33.20		
6	38.15	80.00	30.80	60.15	38.15	19.20	57.00	49.80	150.35	33.20	31.40	32.00		
7	36.75	103.00	30.50	41.65	42.35	24.80	88.50	64.65	158.15	33.20	29.60	32.00		
8	34.70	96.50	33.20	46.55	46.55	38.60	92.00	71.85	140.60	31.10	29.30	30.20		
9	32.60	98.50	26.00	47.25	62.85	50.20	62.85	61.95	137.40	32.90	29.90	29.60		
10	31.40	69.15	27.20	60.60	52.20	35.00	49.40	61.95	114.00	28.40	27.80	31.10		
11	28.10	58.80	23.00	97.50	82.50	45.85	49.80	57.00	89.50	29.00	25.70	28.40		
12	28.40	61.05	35.00	104.50	54.60	31.70	37.80	53.80	85.50	28.70	26.00	25.40		
13	27.20	52.20	32.00	108.50	51.80	37.10	38.85	50.20	77.50	27.80	23.30	30.20		
14	25.40	33.80	30.80	96.50	39.90	28.70	33.80	51.40	74.10	25.70	23.60	34.10		
15	24.20	34.10	43.75	93.00	43.40	29.00	30.20	55.00	58.35	25.70	28.70	31.40		
16	24.50	33.20	39.20	61.50	17.10	30.80	38.50	85.00	62.85	26.30	35.35	29.00		
17	25.70	31.40	33.80	46.20	14.40	30.50	34.70	88.00	68.25	29.00	46.90	31.40		
18	28.70	43.75	34.40	66.45	18.20	33.20	72.75	89.50	68.70	34.10	44.10	31.40		
19	31.40	45.50	31.70	23.40	16.40	30.50	125.45	106.00	57.00	32.60	35.70	30.50		
20	31.10	47.95	26.00	26.60	14.30	26.60	108.00	86.50	46.55	38.50	37.10	29.30		
21	32.30	44.10	25.70	28.60	17.90	34.10	108.50	77.50	40.60	39.20	38.85	26.60		
22	30.50	76.50	25.70	33.50	21.00	33.80	91.50	64.20	40.60	40.25	35.00	24.50		
23	29.90	126.00	28.40	25.00	17.60	34.40	71.85	46.90	47.25	36.40	32.00	23.00		
24	29.00	130.80	27.50	28.40	14.40	34.10	66.90	38.15	48.65	35.70	31.40	22.10		
25	27.50	104.50	28.10	30.25	14.40	31.10	48.65	49.80	46.20	47.60	38.50	22.10		
26	25.70	65.10	31.70	24.20	14.80	36.40	33.20	51.80	45.85	40.25	42.35	21.50		
27	22.70	47.25	30.20	18.40	15.10	30.80	37.80	72.30	42.70	26.30	37.80	22.10		
28	22.70	50.60	29.30	26.00	15.20	34.10	44.45	112.00	37.80	38.15	32.90	25.10		
29	21.80	44.10	28.10	34.25	22.20	54.20	57.90	110.50	32.90	46.90		24.50		
30	19.70	40.60	25.10	38.90	20.20	79.50	93.00	74.10	37.45	40.25		26.30		
31		48.65		27.80	16.50		93.00		37.80	38.15		25.70		
Total	916.95	1890.95	961.40	1491.05	950.50	999.45	1988.80	1950.90	2205.85	1052.55	925.65	897.45	16231.50	CMSDAY
Mean	30.57	61.00	32.05	48.10	30.66	33.32	64.15	65.03	71.16	33.95	33.06	28.95	44.47	CMS
Max	45.85	130.80	52.20	108.50	82.50	79.50	125.45	112.00	158.15	47.60	46.90	42.35	158.15	CMS
Min	19.70	31.40	23.00	18.40	14.30	17.00	30.20	35.70	32.90	25.70	23.30	21.50	14.30	CMS
Runoff	79.22	163.38	83.06	128.83	82.12	86.35	171.83	168.56	190.59	90.94	79.98	77.54	1402.40	MCM
Momentary Peak	163.35 CMS. at 3:39 m. (MSL.) at 12:00 Hours , on Dec 7, 2022													
Runoff Yield	23.09	Liters/Second/Square KM.			Momentary Peak Yield			84.81	Liters/Second/Square KM.					

WATER YEAR : 2022**PENINSULA - UPPER EAST COAST BASIN****Tapi River at Ban Tha Pho , Nakhon Si Thammarat (X.195)**

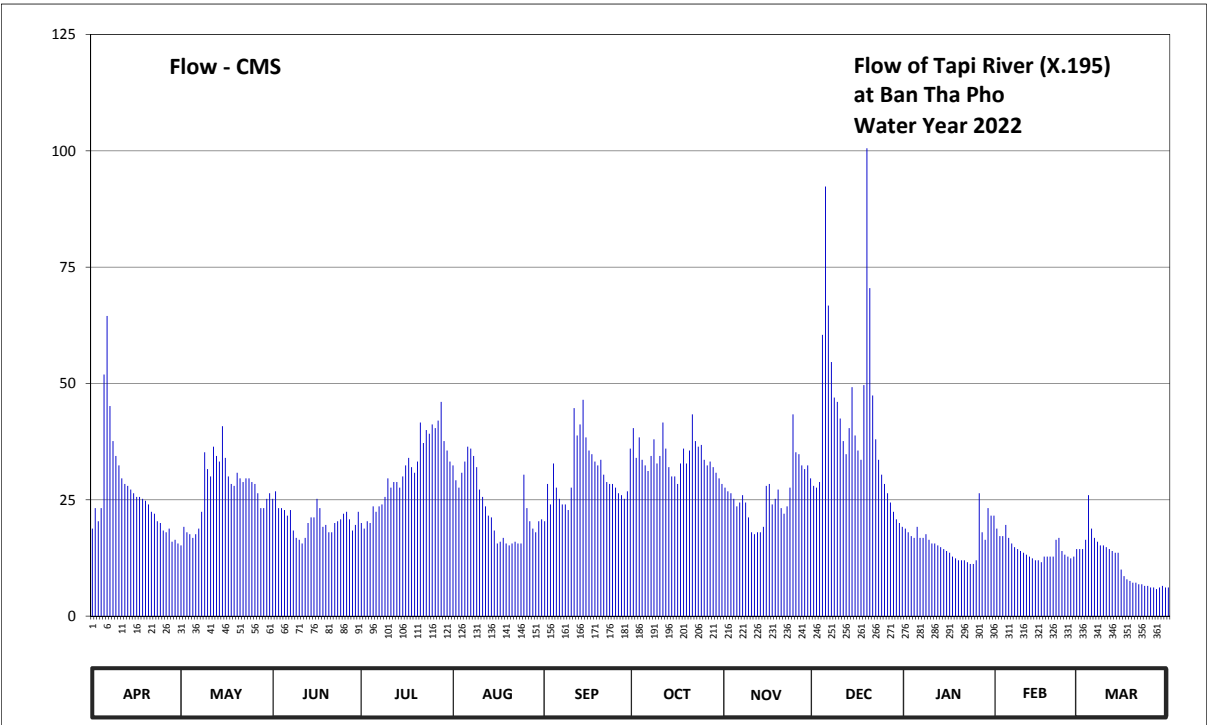
Lat 08 - 30 - 31 N Long 99 - 30 - 38 E

Location : on left bank at Ban Tha Pho.

	Ban	Tha Pho	Amphoe	Chawang	Changwat	Nakhon Si Thammarat
Drainge Area	492	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	The footpath on the left side of the bridge				Elevation	+40.509 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1998 - 2006, 2011 to date					
Rating Operation						
Period of Rating	1998 - 2006, 2011 to date					
Rated by Float	-					
Rated by Current Meter	1998 - 2006, 2011 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 20 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	32.62	32.53	32.78	32.65	32.96	32.66	33.16	32.84	32.85	32.62	32.62	32.51	
2	32.73	32.63	32.82	32.62	32.88	32.86	33.00	32.82	32.84	32.60	32.58	32.51	
3	32.66	32.60	32.73	32.66	32.84	32.75	33.11	32.81	32.87	32.58	32.58	32.56	
4	32.73	32.59	32.73	32.65	32.92	32.97	32.99	32.78	33.61	32.57	32.64	32.80	
5	33.42	32.57	32.72	32.74	32.98	32.84	32.96	32.74	34.26	32.63	32.57	32.62	
6	33.70	32.59	32.69	32.71	33.06	32.78	32.93	32.76	33.75	32.57	32.54	32.57	
7	33.27	32.62	32.72	32.74	33.05	32.75	33.01	32.80	33.48	32.57	32.52	32.55	
8	33.09	32.71	32.61	32.75	33.01	32.75	33.10	32.76	33.31	32.59	32.51	32.53	
9	33.01	33.03	32.57	32.79	32.95	32.72	32.97	32.68	33.29	32.56	32.50	32.53	
10	32.96	32.94	32.56	32.89	32.83	32.84	33.01	32.60	33.21	32.54	32.49	32.52	
11	32.89	32.90	32.54	32.84	32.79	33.26	33.19	32.59	33.09	32.54	32.48	32.51	
12	32.86	33.06	32.57	32.87	32.74	33.12	33.05	32.60	33.02	32.53	32.47	32.50	
13	32.85	33.01	32.65	32.87	32.69	33.18	32.95	32.60	33.16	32.52	32.46	32.49	
14	32.83	32.98	32.68	32.84	32.68	33.30	32.90	32.63	33.36	32.51	32.45	32.49	
15	32.81	33.17	32.68	32.90	32.61	33.11	32.90	32.85	33.12	32.50	32.45	32.40	
16	32.79	33.00	32.78	32.96	32.54	33.04	32.86	32.86	33.04	32.49	32.44	32.36	
17	32.79	32.90	32.73	33.00	32.55	33.02	32.97	32.75	32.99	32.47	32.47	32.34	
18	32.78	32.86	32.63	32.95	32.57	32.98	33.05	32.78	33.37	32.46	32.47	32.33	
19	32.77	32.85	32.64	32.92	32.54	32.96	32.97	32.83	34.41	32.45	32.47	32.32	
20	32.75	32.92	32.60	32.98	32.53	32.99	33.04	32.73	33.83	32.45	32.47	32.32	
21	32.71	32.89	32.60	33.19	32.54	32.91	33.23	32.70	33.32	32.45	32.56	32.31	
22	32.70	32.87	32.65	33.08	32.55	32.87	33.09	32.74	33.10	32.44	32.57	32.31	
23	32.66	32.89	32.66	33.15	32.54	32.86	33.06	32.84	32.99	32.43	32.50	32.30	
24	32.65	32.89	32.67	33.13	32.54	32.86	33.07	33.23	32.91	32.43	32.48	32.30	
25	32.61	32.87	32.70	33.18	32.91	32.84	32.99	33.03	32.86	32.45	32.47	32.29	
26	32.60	32.86	32.71	33.16	32.73	32.81	32.96	33.02	32.81	32.81	32.46	32.29	
27	32.62	32.81	32.67	33.20	32.66	32.80	32.98	32.96	32.76	32.60	32.47	32.28	
28	32.55	32.73	32.61	33.29	32.62	32.78	32.95	32.94	32.71	32.56	32.51	32.29	
29	32.56	32.73	32.64	33.09	32.60	32.82	32.92	32.96	32.67	32.73		32.30	
30	32.54	32.78	32.71	33.04	32.66	33.05	32.89	32.89	32.65	32.69		32.29	
31		32.81		32.98	32.67		32.86		32.63	32.69		32.29	
Mean	32.82	32.83	32.67	32.93	32.73	32.92	33.00	32.80	33.17	32.55	32.51	32.42	
Max	33.70	33.17	32.82	33.29	33.06	33.30	33.23	33.23	34.41	32.81	32.64	32.80	34.41
Min	32.54	32.53	32.54	32.62	32.53	32.66	32.86	32.59	32.63	32.43	32.44	32.28	32.28
Annual Max Momentary Gage Height	34.54		m. (MSL.) ,				at 09.00 Hours ,						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	30.58	m. (MSL.)					
Left Bank Elevation		40.13	m. (MSL.) ,										
Right Bank Elevation		40.16	m. (MSL.) ,			Drainage Are	492	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	18.80	15.20	25.20	20.00	32.40	20.40	40.40	27.60	28.00	18.80	18.80	14.40	
2	23.20	19.20	26.80	18.80	29.20	28.40	34.00	26.80	27.60	18.00	17.20	14.40	
3	20.40	18.00	23.20	20.40	27.60	24.00	38.40	26.40	28.80	17.20	17.20	16.40	
4	23.20	17.60	23.20	20.00	30.80	32.80	33.60	25.20	60.45	16.80	19.60	26.00	
5	51.90	16.80	22.80	23.60	33.20	27.60	32.40	23.60	92.30	19.20	16.80	18.80	
6	64.50	17.60	21.60	22.40	36.40	25.20	31.20	24.40	66.75	16.80	15.60	16.80	
7	45.15	18.80	22.80	23.60	36.00	24.00	34.40	26.00	54.60	16.80	14.80	16.00	
8	37.60	22.40	18.40	24.00	34.40	24.00	38.00	24.40	46.95	17.60	14.40	15.20	
9	34.40	35.20	16.80	25.60	32.00	22.80	32.80	21.20	46.05	16.40	14.00	15.20	
10	32.40	31.60	16.40	29.60	27.20	27.60	34.40	18.00	42.45	15.60	13.60	14.80	
11	29.60	30.00	15.60	27.60	25.60	44.70	41.60	17.60	37.60	15.60	13.20	14.40	
12	28.40	36.40	16.80	28.80	23.60	38.80	36.00	18.00	34.80	15.20	12.80	14.00	
13	28.00	34.40	20.00	28.80	21.60	41.20	32.00	18.00	40.40	14.80	12.40	13.60	
14	27.20	33.20	21.20	27.60	21.20	46.50	30.00	19.20	49.20	14.40	12.00	13.60	
15	26.40	40.80	21.20	30.00	18.40	38.40	30.00	28.00	38.80	14.00	12.00	10.00	
16	25.60	34.00	25.20	32.40	15.60	35.60	28.40	28.40	35.60	13.60	11.60	8.60	
17	25.60	30.00	23.20	34.00	16.00	34.80	32.80	24.00	33.60	12.80	12.80	7.90	
18	25.20	28.40	19.20	32.00	16.80	33.20	36.00	25.20	49.65	12.40	12.80	7.55	
19	24.80	28.00	19.60	30.80	15.60	32.40	32.80	27.20	100.55	12.00	12.80	7.20	
20	24.00	30.80	18.00	33.20	15.20	33.60	35.60	23.20	70.50	12.00	12.80	7.20	
21	22.40	29.60	18.00	41.60	15.60	30.40	43.35	22.00	47.40	12.00	16.40	6.85	
22	22.00	28.80	20.00	37.20	16.00	28.80	37.60	23.60	38.00	11.60	16.80	6.85	
23	20.40	29.60	20.40	40.00	15.60	28.40	36.40	27.60	33.60	11.20	14.00	6.50	
24	20.00	29.60	20.80	39.20	15.60	28.40	36.80	43.35	30.40	11.20	13.20	6.50	
25	18.40	28.80	22.00	41.20	30.40	27.60	33.60	35.20	28.40	12.00	12.80	6.15	
26	18.00	28.40	22.40	40.40	23.20	26.40	32.40	34.80	26.40	26.40	12.40	6.15	
27	18.80	26.40	20.80	42.00	20.40	26.00	33.20	32.40	24.40	18.00	12.80	5.80	
28	16.00	23.20	18.40	46.05	18.80	25.20	32.00	31.60	22.40	16.40	14.40	6.15	
29	16.40	23.20	19.60	37.60	18.00	26.80	30.80	32.40	20.80	23.20		6.50	
30	15.60	25.20	22.40	35.60	20.40	36.00	29.60	29.60	20.00	21.60		6.15	
31		26.40		33.20	20.80		28.40		19.20	21.60		6.15	
Total	804.35	837.60	622.00	967.25	723.60	920.00	1058.95	784.95	1295.65	495.20	400.00	341.80	9251.35 CMSDAY
Mean	26.81	27.02	20.73	31.20	23.34	30.67	34.16	26.17	41.80	15.97	14.29	11.03	25.35 CMS
Max	64.50	40.80	26.80	46.05	36.40	46.50	43.35	43.35	100.55	26.40	19.60	26.00	100.55 CMS
Min	15.60	15.20	15.60	18.80	15.20	20.40	28.40	17.60	19.20	11.20	11.60	5.80	5.80 CMS
Runoff	69.50	72.37	53.74	83.57	62.52	79.49	91.49	67.82	111.94	42.79	34.56	29.53	799.32 MCM
Momentary Peak	107.70	CMS, at 34.54 m. (MSL.), at 09.00 Hours, on Dec 5, 2022											
Runoff Yield	51.52	Liters/Second/Square KM.		Momentary Peak Yield			218.90	Liters/Second/Square KM.					

WATER YEAR : 2022**PENINSULA - UPPER EAST COAST BASIN****Khlong Sin Pun at Ban Bang Rup , Surat Thani (X.198)**

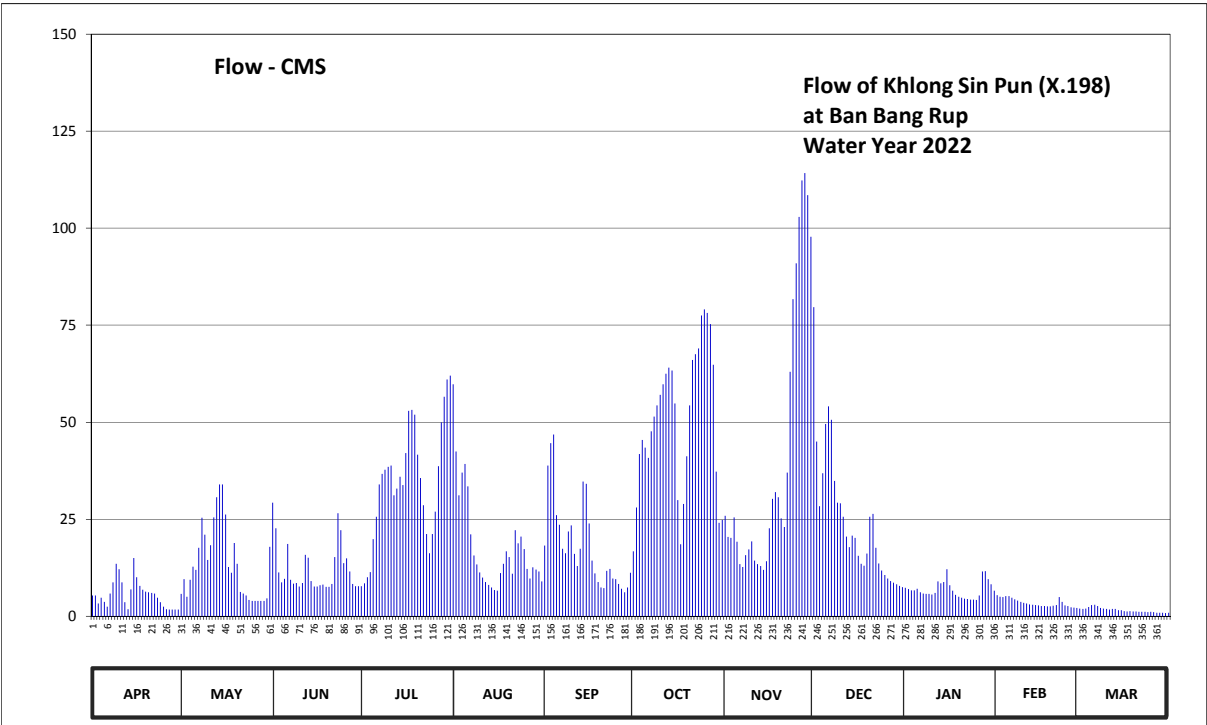
Lat 08 - 24 - 52 N Long 99 - 15 - 00 E

Location : on right bank at Ban Bang Rup.

	Ban	Bang Rup	Amphoe	Phrasaeng	Changwat	Surat Thani
Drainage Area	924	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+9.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	At the footpath of bridge over the water				Elevation	+19.252 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2007 to date					
Rating Operation						
Period of Rating	2007 to date					
Rated by Float	-					
Rated by Current Meter	2007 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 20 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	10.91	10.96	13.24	11.23	14.75	12.38	12.23	13.02	15.52	11.17	10.92	10.38	
2	10.90	11.45	12.77	11.32	13.97	13.79	13.16	12.58	14.10	11.13	10.86	10.35	
3	10.59	10.86	11.64	11.50	13.36	14.08	13.94	12.56	13.18	11.09	10.85	10.37	
4	10.82	11.43	11.35	11.65	13.69	14.19	14.12	12.99	13.68	11.09	10.88	10.45	
5	10.66	11.81	11.46	12.53	13.81	13.03	14.02	12.47	14.32	11.14	10.88	10.53	
6	10.46	11.71	12.42	13.00	13.49	12.84	13.89	11.88	14.52	11.02	10.82	10.54	
7	10.97	12.32	11.43	13.52	12.64	12.30	14.23	11.80	14.37	10.98	10.76	10.48	
8	11.35	12.98	11.31	13.67	12.12	12.18	14.41	12.13	13.57	10.96	10.71	10.40	
9	11.89	12.63	11.33	13.73	11.87	12.70	14.53	12.28	13.24	10.96	10.66	10.37	
10	11.73	12.00	11.22	13.77	11.64	12.83	14.64	12.48	13.23	10.94	10.62	10.35	
11	11.35	12.39	11.33	13.79	11.49	12.16	14.75	11.98	13.00	11.00	10.60	10.33	
12	10.65	12.99	12.14	13.36	11.36	11.82	14.86	11.88	12.59	11.38	10.56	10.35	
13	10.34	13.33	12.06	13.46	11.27	12.30	14.92	11.82	12.34	11.32	10.54	10.36	
14	11.12	13.52	11.39	13.63	11.18	13.56	14.89	11.71	12.61	11.36	10.53	10.29	
15	12.05	13.52	11.22	13.51	11.10	13.53	14.55	11.96	12.56	11.73	10.51	10.29	
16	11.50	13.04	11.22	13.95	11.07	12.87	13.28	12.77	12.11	11.26	10.49	10.25	
17	11.24	11.80	11.26	14.47	11.62	11.98	12.41	13.30	11.89	11.08	10.48	10.23	
18	11.11	11.63	11.28	14.48	11.89	11.61	13.22	13.41	11.83	10.93	10.47	10.25	
19	11.04	12.44	11.21	14.43	12.23	11.36	13.91	13.33	12.17	10.86	10.47	10.24	
20	11.02	11.89	11.21	13.93	12.08	11.19	14.53	12.97	13.00	10.82	10.50	10.23	
21	11.00	11.03	11.30	13.61	11.60	11.16	15.00	12.80	13.05	10.78	10.52	10.22	
22	10.98	10.97	12.08	13.20	12.73	11.69	15.06	13.69	12.32	10.77	10.84	10.22	
23	10.82	10.90	13.06	12.65	12.43	11.74	15.12	14.88	11.90	10.75	10.66	10.22	
24	10.64	10.74	12.73	12.18	12.59	11.47	15.45	15.59	11.70	10.75	10.51	10.21	
25	10.46	10.69	11.91	12.65	12.29	11.45	15.50	15.89	11.57	10.73	10.48	10.22	
26	10.34	10.69	12.04	13.09	11.74	11.30	15.47	16.25	11.47	10.91	10.43	10.21	
27	10.33	10.69	11.67	13.78	11.47	11.14	15.37	16.50	11.39	11.67	10.42	10.18	
28	10.33	10.69	11.30	14.34	11.79	11.02	14.95	16.55	11.34	11.68	10.40	10.18	
29	10.33	10.69	11.23	14.62	11.72	11.18	13.70	16.40	11.29	11.45		10.17	
30	10.33	10.80	11.23	14.80	11.67	11.63	12.88	16.10	11.24	11.29		10.16	
31		12.35		14.84	11.38		12.94		11.20	11.07		10.17	
Mean	10.91	11.77	11.70	13.38	12.19	12.22	14.26	13.47	12.65	11.10	10.62	10.30	
Max	12.05	13.52	13.24	14.84	14.75	14.19	15.50	16.55	15.52	11.73	10.92	10.54	16.55
Min	10.33	10.69	11.21	11.23	11.07	11.02	12.23	11.71	11.20	10.73	10.40	10.16	10.16
Annual Max Momentary Gage Height	16.56		m. (MSL.) ,			at 08.00 Hours , on Nov 28, 2022							
Zero Gage at Bottom Elevation		9.00	m. (MSL.) ,			River Bed	9.28	m. (MSL.)					
Left Bank Elevation		18.90	m. (MSL.) ,										
Right Bank Elevation		18.89	m. (MSL.) ,			Drainage Are	924	Square Kilometers					

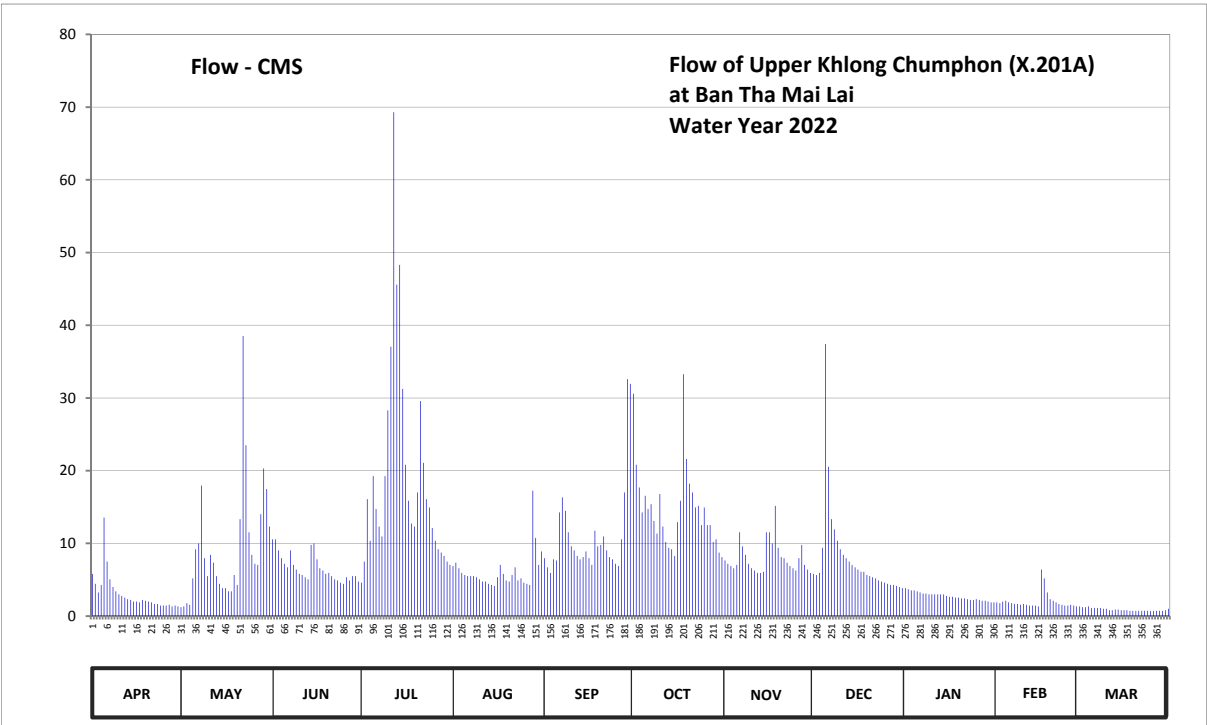


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	5.37	5.72	29.24	7.74	59.75	18.20	16.70	25.90	79.60	7.28	5.44	1.99		
2	5.30	9.55	22.64	8.46	42.40	38.82	28.00	20.38	45.00	6.98	5.02	1.83		
3	3.24	5.02	11.26	10.00	31.16	44.60	41.80	20.16	28.30	6.68	4.95	1.94		
4	4.74	9.37	8.70	11.35	37.02	46.80	45.40	25.47	36.84	6.68	5.16	2.40		
5	3.69	12.79	9.64	19.83	39.20	26.05	43.40	19.17	49.52	7.05	5.16	2.88		
6	2.46	11.89	18.62	25.60	33.42	23.52	40.80	13.42	54.08	6.15	4.74	2.94		
7	5.79	17.60	9.37	33.96	21.08	17.40	47.63	12.70	50.57	5.86	4.34	2.58		
8	8.70	25.34	8.38	36.66	15.64	16.21	51.44	15.74	34.86	5.72	4.02	2.10		
9	13.51	20.96	8.54	37.74	13.33	21.80	54.32	17.20	29.24	5.72	3.69	1.94		
10	12.07	14.50	7.66	38.46	11.26	23.39	57.00	19.28	29.08	5.58	3.43	1.83		
11	8.70	18.30	8.54	38.82	9.91	16.02	59.75	14.32	25.60	6.00	3.30	1.72		
12	3.63	25.47	15.83	31.16	8.78	12.88	62.50	13.42	20.49	8.94	3.06	1.83		
13	1.77	30.68	15.07	32.88	8.06	17.40	64.00	12.88	17.80	8.46	2.94	1.88		
14	6.90	33.96	9.02	35.94	7.35	34.68	63.25	11.89	20.72	8.78	2.88	1.50		
15	14.98	33.96	7.66	33.78	6.75	34.14	54.80	14.14	20.16	12.07	2.76	1.50		
16	10.00	26.20	7.66	42.00	6.53	23.91	29.88	22.64	15.55	7.98	2.64	1.28		
17	7.82	12.70	7.98	52.88	11.08	14.32	18.51	30.20	13.51	6.60	2.58	1.17		
18	6.83	11.17	8.14	53.12	13.51	10.99	28.92	31.98	12.97	5.51	2.52	1.28		
19	6.30	18.84	7.58	51.92	16.70	8.78	41.20	30.68	16.12	5.02	2.52	1.22		
20	6.15	13.51	7.58	41.60	15.26	7.43	54.32	25.21	25.60	4.74	2.70	1.17		
21	6.00	6.23	8.30	35.58	10.90	7.20	66.00	23.00	26.35	4.47	2.82	1.11		
22	5.86	5.79	15.26	28.60	22.16	11.71	67.50	37.02	17.60	4.41	4.88	1.11		
23	4.74	5.30	26.50	21.20	18.73	12.16	69.00	63.00	13.60	4.28	3.69	1.11		
24	3.56	4.21	22.16	16.21	20.49	9.73	77.50	81.70	11.80	4.28	2.76	1.06		
25	2.46	3.89	13.69	21.20	17.30	9.55	79.00	90.93	10.63	4.15	2.58	1.11		
26	1.77	3.89	14.88	26.95	12.16	8.30	78.10	102.88	9.73	5.37	2.28	1.06		
27	1.72	3.89	11.53	38.64	9.73	7.05	75.25	112.25	9.02	11.53	2.22	0.90		
28	1.72	3.89	8.30	49.94	12.61	6.15	64.75	114.13	8.62	11.62	2.10	0.90		
29	1.72	3.89	7.74	56.50	11.98	7.35	37.20	108.50	8.22	9.55		0.85		
30	1.72	4.60	7.74	61.00	11.53	11.17	24.04	97.75	7.82	8.22		0.80		
31		17.90		62.00	8.94		24.82		7.50	6.53		0.85		
Total	169.22	421.01	365.21	1061.72	564.72	547.71	1566.78	1227.94	756.50	212.21	97.18	47.84	7038.04	CMSDAY
Mean	5.64	13.58	12.17	34.25	18.22	18.26	50.54	40.93	24.40	6.85	3.47	1.54	19.28	CMS
Max	14.98	33.96	29.24	62.00	59.75	46.80	79.00	114.13	79.60	12.07	5.44	2.94	114.13	CMS
Min	1.72	3.89	7.58	7.74	6.53	6.15	16.70	11.89	7.50	4.15	2.10	0.80	0.80	CMS
Runoff	14.62	36.38	31.55	91.73	48.79	47.32	135.37	106.09	65.36	18.33	8.40	4.13	608.09	MCM
Momentary Peak	114.50	CMS, at 16.56 m. (MSL.), at 08.00 Hours, on Nov 28, 2022												
Runoff Yield	20.87	Liters/Second/Square KM.			Momentary Peak Yield		123.92	Liters/Second/Square KM.						

Lat 10 - 30 - 12 N Long 98 - 57 - 52 E

	Ban	Tha Mai Lai	Amphoe	Mueang	Changwat	Chumphon
Drainage Area	116	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+36.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On footpath Left bank at the downstream bridge.				Elevation	+42.715 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2009 to date					
Rating Operation						
Period of Rating	2009 to date					
Rated by Float	-					
Rated by Current Meter	2009 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 41.000 m.(MSL.), records are channel flow only.					
General Description	Records fair. Stage-discharge relation defined by 20 discharge measurements made in 2022.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	37.58	37.23	37.87	37.50	37.65	37.72	38.65	37.70	37.58	37.45	37.29	37.24	
2	37.49	37.24	37.87	37.69	37.68	37.64	38.32	37.67	37.57	37.44	37.28	37.23	
3	37.41	37.28	37.79	38.13	37.63	37.59	38.20	37.65	37.59	37.43	37.30	37.23	
4	37.48	37.26	37.72	37.86	37.59	37.71	38.05	37.63	37.81	37.43	37.31	37.24	
5	38.02	37.54	37.67	38.26	37.57	37.70	38.15	37.66	38.85	37.42	37.29	37.22	
6	37.69	37.80	37.64	38.07	37.56	38.05	38.07	37.92	38.31	37.41	37.28	37.22	
7	37.53	37.84	37.79	37.96	37.56	38.14	38.10	37.82	38.01	37.40	37.27	37.22	
8	37.46	38.21	37.66	37.89	37.56	38.06	38.00	37.75	37.94	37.40	37.27	37.22	
9	37.42	37.72	37.62	38.26	37.55	37.92	37.91	37.67	37.86	37.39	37.26	37.21	
10	37.39	37.56	37.58	38.58	37.53	37.82	38.16	37.63	37.80	37.39	37.27	37.21	
11	37.37	37.75	37.57	38.84	37.51	37.79	37.96	37.61	37.75	37.39	37.26	37.19	
12	37.35	37.68	37.55	39.64	37.51	37.74	37.85	37.59	37.72	37.39	37.25	37.19	
13	37.33	37.56	37.53	39.07	37.49	37.71	37.81	37.59	37.69	37.39	37.25	37.20	
14	37.32	37.49	37.83	39.14	37.48	37.73	37.80	37.60	37.66	37.39	37.25	37.20	
15	37.30	37.45	37.84	38.67	37.47	37.78	37.74	37.92	37.64	37.37	37.24	37.19	
16	37.30	37.45	37.71	38.32	37.55	37.72	37.99	37.92	37.62	37.36	37.62	37.19	
17	37.29	37.42	37.63	38.12	37.66	37.66	38.12	37.84	37.60	37.36	37.54	37.19	
18	37.32	37.42	37.61	37.98	37.58	37.93	38.73	38.09	37.60	37.35	37.41	37.18	
19	37.31	37.57	37.58	37.96	37.52	37.82	38.35	37.81	37.57	37.35	37.33	37.18	
20	37.30	37.48	37.59	38.17	37.51	37.83	38.22	37.73	37.56	37.34	37.31	37.18	
21	37.29	38.01	37.56	38.62	37.57	37.89	38.17	37.72	37.55	37.34	37.29	37.18	
22	37.27	38.88	37.53	38.33	37.64	37.79	38.08	37.68	37.54	37.33	37.27	37.18	
23	37.27	38.42	37.52	38.13	37.52	37.73	38.09	37.65	37.52	37.32	37.26	37.18	
24	37.25	37.92	37.50	38.08	37.54	37.71	37.97	37.63	37.51	37.32	37.25	37.18	
25	37.25	37.75	37.49	37.95	37.50	37.67	38.08	37.61	37.50	37.33	37.25	37.18	
26	37.25	37.67	37.55	37.86	37.49	37.65	37.97	37.72	37.49	37.32	37.26	37.18	
27	37.26	37.66	37.52	37.80	37.48	37.87	37.97	37.83	37.48	37.31	37.25	37.18	
28	37.24	38.04	37.56	37.77	38.18	38.17	37.85	37.66	37.48	37.31	37.24	37.18	
29	37.25	38.30	37.56	37.74	37.88	38.71	37.87	37.62	37.47	37.30		37.18	
30	37.24	38.19	37.51	37.69	37.66	38.69	37.77	37.59	37.46	37.29</			



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	5.80	1.23	10.57	4.60	6.88	7.96	30.58	7.65	5.80	3.85	1.89	1.34		
2	4.45	1.34	10.57	7.50	7.34	6.72	20.82	7.19	5.65	3.70	1.78	1.23		
3	3.25	1.78	9.05	16.09	6.57	5.95	17.70	6.88	5.95	3.55	2.00	1.23		
4	4.30	1.56	7.96	10.37	5.95	7.81	14.25	6.57	9.40	3.55	2.11	1.34		
5	13.56	5.20	7.19	19.26	5.65	7.65	16.55	7.03	37.43	3.40	1.89	1.12		
6	7.50	9.20	6.72	14.71	5.50	14.25	14.71	11.54	20.56	3.25	1.78	1.12		
7	5.05	9.98	9.05	12.32	5.50	16.32	15.40	9.59	13.33	3.10	1.67	1.12		
8	4.00	17.96	7.03	10.96	5.50	14.48	13.10	8.43	11.93	3.10	1.67	1.12		
9	3.40	7.96	6.41	19.26	5.35	11.54	11.35	7.19	10.37	2.99	1.56	1.01		
10	2.99	5.50	5.80	28.30	5.05	9.59	16.78	6.57	9.20	2.99	1.67	1.01		
11	2.77	8.43	5.65	37.06	4.75	9.05	12.32	6.26	8.43	2.99	1.56	0.81		
12	2.55	7.34	5.35	69.30	4.75	8.27	10.18	5.95	7.96	2.99	1.45	0.81		
13	2.33	5.50	5.05	45.60	4.45	7.81	9.40	5.95	7.50	2.99	1.45	0.90		
14	2.22	4.45	9.79	48.29	4.30	8.12	9.20	6.10	7.03	2.99	1.45	0.90		
15	2.00	3.85	9.98	31.25	4.15	8.89	8.27	11.54	6.72	2.77	1.34	0.81		
16	2.00	3.85	7.81	20.82	5.35	7.96	12.91	11.54	6.41	2.66	6.41	0.81		
17	1.89	3.40	6.57	15.86	7.03	7.03	15.86	9.98	6.10	2.66	5.20	0.81		
18	2.22	3.40	6.26	12.71	5.80	11.74	33.26	15.17	6.10	2.55	3.25	0.72		
19	2.11	5.65	5.80	12.32	4.90	9.59	21.60	9.40	5.65	2.55	2.33	0.72		
20	2.00	4.30	5.95	17.01	4.75	9.79	18.22	8.12	5.50	2.44	2.11	0.72		
21	1.89	13.33	5.50	29.57	5.65	10.96	17.01	7.96	5.35	2.44	1.89	0.72		
22	1.67	38.52	5.05	21.08	6.72	9.05	14.94	7.34	5.20	2.33	1.67	0.72		
23	1.67	23.50	4.90	16.09	4.90	8.12	15.17	6.88	4.90	2.22	1.56	0.72		
24	1.45	11.54	4.60	14.94	5.20	7.81	12.52	6.57	4.75	2.22	1.45	0.72		
25	1.45	8.43	4.45	12.13	4.60	7.19	14.94	6.26	4.60	2.33	1.45	0.72		
26	1.45	7.19	5.35	10.37	4.45	6.88	12.52	7.96	4.45	2.22	1.56	0.72		
27	1.56	7.03	4.90	9.20	4.30	10.57	12.52	9.79	4.30	2.11	1.45	0.72		
28	1.34	14.02	5.50	8.74	17.24	17.01	10.18	7.03	4.30	2.11	1.34	0.72		
29	1.45	20.30	5.50	8.27	10.76	32.59	10.57	6.41	4.15	2.00		0.72		
30	1.34	17.47	4.75	7.50	7.03	31.92	8.74	5.95	4.00	1.89		0.81		
31		12.32		7.03	8.89		8.12		3.85	1.89		1.01		
Total	91.66	285.53	199.06	598.51	189.26	332.62	459.69	240.80	246.87	84.83	56.94	27.95	2813.72	CMSDAY
Mean	3.06	9.21	6.64	19.31	6.11	11.09	14.83	8.03	7.96	2.74	2.03	0.90	7.71	CMS
Max	13.56	38.52	10.57	69.30	17.24	32.59	33.26	15.17	37.43	3.85	6.41	1.34	69.30	CMS
Min	1.34	1.23	4.45	4.60	4.15	5.95	8.12	5.95	3.85	1.89	1.34	0.72	0.72	CMS
Runoff	7.92	24.67	17.20	51.71	16.35	28.74	39.72	20.81	21.33	7.33	4.92	2.41	243.11	MCM
Momentary Peak	164.20 CMS. at 41.12 m. (MSL.) at 20.00 Hours , on Aug 28, 2022													
Runoff Yield	66.46	Liters/Second/Square KM.			Momentary Peak Yield			1415.52	Liters/Second/Square KM.					

WATER YEAR : 2022

PENINSULA - UPPER EAST COAST BASIN

Khlong Thadee at Ban Na Pa , Nakhon Si Thammarat (X.203)

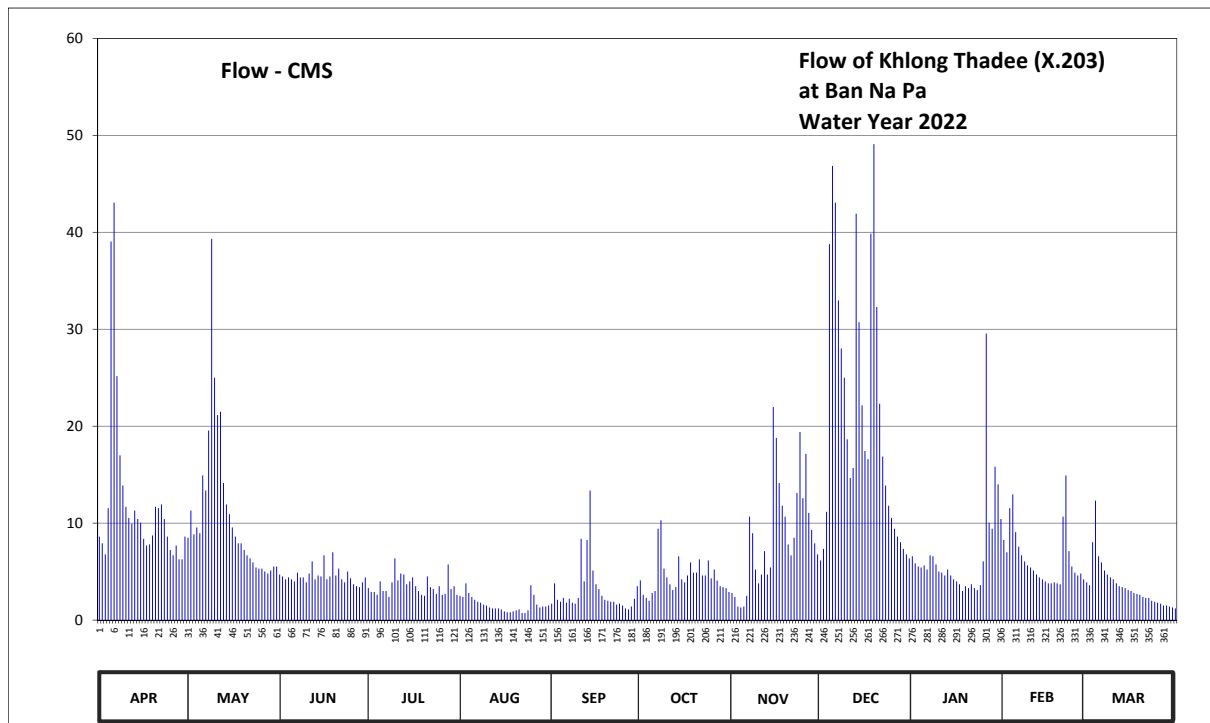
Lat 08 - 23 - 47 N Long 99 - 55 - 13 E

Location : on left bank at Ban Na Pa.

	Ban Na Pa	Amphoe Mueang	Changwat Nakhon Si Thammarat
Drainge Area	131 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	The left bank of the downstream bridge.	Elevation	+11.529 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2000 to date		
Rating Operation			
Period of Rating	2000 to date		
Rated by Float	-		
Rated by Current Meter	2000 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 21 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.54	8.53	8.18	8.04	7.96	7.88	8.12	7.99	8.32	8.36	8.51	8.10	
2	8.48	8.76	8.16	8.00	7.95	8.09	7.97	7.95	8.43	8.29	8.40	8.07	
3	8.38	8.56	8.13	8.00	8.09	7.92	7.94	7.85	8.75	8.26	8.78	8.49	
4	8.78	8.62	8.15	7.97	7.99	7.90	7.91	7.84	10.34	8.25	8.89	8.84	
5	10.35	8.57	8.13	8.11	7.95	7.94	7.99	7.85	10.57	8.27	8.58	8.36	
6	10.47	9.04	8.11	8.01	7.92	7.89	8.01	7.96	10.47	8.23	8.45	8.30	
7	9.71	8.92	8.20	8.01	7.90	7.93	8.61	8.71	10.11	8.37	8.37	8.22	
8	9.20	9.37	8.15	7.95	7.89	7.89	8.68	8.57	9.87	8.36	8.31	8.18	
9	8.96	10.36	8.15	8.10	7.87	7.88	8.24	8.23	9.70	8.28	8.27	8.15	
10	8.79	9.70	8.10	8.34	7.86	7.94	8.15	8.09	9.31	8.21	8.25	8.13	
11	8.70	9.47	8.19	8.12	7.84	8.52	8.08	8.18	9.02	8.20	8.22	8.09	
12	8.65	9.49	8.31	8.19	7.83	8.11	8.02	8.41	9.10	8.17	8.18	8.06	
13	8.76	8.98	8.13	8.18	7.83	8.51	8.05	8.18	10.44	8.23	8.15	8.05	
14	8.69	8.81	8.17	8.08	7.83	8.92	8.36	8.25	10.01	8.17	8.13	8.04	
15	8.66	8.73	8.16	8.11	7.82	8.22	8.13	9.52	9.53	8.13	8.11	8.02	
16	8.52	8.62	8.37	8.15	7.80	8.08	8.10	9.32	9.23	8.11	8.09	8.01	
17	8.46	8.54	8.13	8.06	7.79	8.03	8.17	8.98	9.17	8.08	8.09	7.99	
18	8.47	8.48	8.16	8.01	7.79	7.96	8.30	8.80	10.38	8.01	8.10	7.98	
19	8.55	8.48	8.40	7.97	7.80	7.92	8.20	8.71	10.62	8.06	8.09	7.97	
20	8.79	8.42	8.17	7.96	7.81	7.91	8.20	8.47	10.08	8.04	8.08	7.95	
21	8.78	8.37	8.24	8.16	7.82	7.90	8.33	8.37	9.54	8.08	8.71	7.94	
22	8.81	8.34	8.13	8.05	7.78	7.90	8.17	8.53	9.19	8.04	9.04	7.94	
23	8.69	8.30	8.10	8.03	7.78	7.87	8.17	8.90	8.96	8.02	8.41	7.91	
24	8.54	8.25	8.21	7.98	7.81	7.88	8.32	9.36	8.80	8.07	8.26	7.90	
25	8.42	8.24	8.14	8.06	8.07	7.86	8.14	8.86	8.70	8.31	8.20	7.89	
26	8.37	8.24	8.08	7.97	7.97	7.83	8.23	9.21	8.61	9.95	8.17	7.88	
27	8.46	8.21	8.06	7.98	7.87	7.82	8.12	8.74	8.54	8.66	8.19	7.86	
28	8.33	8.19	8.05	8.28	7.84	7.85	8.06	8.60	8.49	8.61	8.13	7.86	
29	8.33	8.22	8.10	8.03	7.85	7.93	8.05	8.48	8.43	9.11		7.85	
30	8.54	8.26	8.15	8.06	7.85	8.06	8.04	8.38	8.38	8.97		7.84	
31		8.26		7.97	7.86		8.00		8.34	8.69		7.83	
Mean	8.77	8.69	8.16	8.06	7.87	8.01	8.16	8.51	9.34	8.34	8.33	8.05	
Max	10.47	10.36	8.40	8.34	8.09	8.92	8.68	9.52	10.62	9.95	9.04	8.84	10.62
Min	8.33	8.19	8.05	7.95	7.78	7.82	7.91	7.84	8.32	8.01	8.08	7.83	7.78
Annual Max Momentary Gage Height	10.78		m. (MSL.) ,			at 16.00 Hours , on Apr 5, 2022							
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed 7.18	m. (MSL.)						
Left Bank Elevation		11.91	m. (MSL.) ,										
Right Bank Elevation		11.88	m. (MSL.) ,			Drainage Are 131	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	8.61	8.50	4.70	3.30	2.50	1.70	4.10	2.80	6.16	6.58	8.27	3.90		
2	7.92	11.30	4.50	2.90	2.40	3.80	2.60	2.40	7.35	5.85	7.00	3.60		
3	6.79	8.84	4.20	2.90	3.80	2.10	2.30	1.40	11.18	5.53	11.55	8.04		
4	11.55	9.55	4.40	2.60	2.80	1.90	2.00	1.30	38.78	5.43	12.97	12.32		
5	39.05	8.96	4.20	4.00	2.40	2.30	2.80	1.40	46.86	5.64	9.07	6.58		
6	43.06	14.92	4.00	3.00	2.10	1.80	3.00	2.50	43.06	5.22	7.58	5.95		
7	25.17	13.36	4.90	3.00	1.90	2.20	9.43	10.68	32.98	6.69	6.69	5.11		
8	17.00	19.55	4.40	2.40	1.80	1.80	10.30	8.96	28.03	6.58	6.06	4.70		
9	13.88	39.32	4.40	3.90	1.60	1.70	5.32	5.22	25.00	5.74	5.64	4.40		
10	11.68	25.00	3.90	6.37	1.50	2.30	4.40	3.80	18.65	5.01	5.43	4.20		
11	10.55	21.16	4.80	4.10	1.30	8.38	3.70	4.70	14.66	4.90	5.11	3.80		
12	9.93	21.49	6.06	4.80	1.20	4.00	3.10	7.12	15.70	4.60	4.70	3.50		
13	11.30	14.14	4.20	4.70	1.20	8.27	3.40	4.70	41.92	5.22	4.40	3.40		
14	10.43	11.93	4.60	3.70	1.20	13.36	6.58	5.43	30.73	4.60	4.20	3.30		
15	10.05	10.93	4.50	4.00	1.10	5.11	4.20	21.98	22.15	4.20	4.00	3.10		
16	8.38	9.55	6.69	4.40	0.90	3.70	3.90	18.80	17.45	4.00	3.80	3.00		
17	7.69	8.61	4.20	3.50	0.81	3.20	4.60	14.14	16.61	3.70	3.80	2.80		
18	7.81	7.92	4.50	3.00	0.81	2.50	5.95	11.80	39.86	3.00	3.90	2.70		
19	8.73	7.92	7.00	2.60	0.90	2.10	4.90	10.68	49.10	3.50	3.80	2.60		
20	11.68	7.23	4.60	2.50	1.00	2.00	4.90	7.81	32.30	3.30	3.70	2.40		
21	11.55	6.69	5.32	4.50	1.10	1.90	6.27	6.69	22.31	3.70	10.68	2.30		
22	11.93	6.37	4.20	3.40	0.72	1.90	4.60	8.50	16.87	3.30	14.92	2.30		
23	10.43	5.95	3.90	3.20	0.72	1.60	4.60	13.10	13.88	3.10	7.12	2.00		
24	8.61	5.43	5.01	2.70	1.00	1.70	6.16	19.40	11.80	3.60	5.53	1.90		
25	7.23	5.32	4.30	3.50	3.60	1.50	4.30	12.58	10.55	6.06	4.90	1.80		
26	6.69	5.32	3.70	2.60	2.60	1.20	5.22	17.15	9.43	29.55	4.60	1.70		
27	7.69	5.01	3.50	2.70	1.60	1.10	4.10	11.05	8.61	10.05	4.80	1.50		
28	6.27	4.80	3.40	5.74	1.30	1.40	3.50	9.30	8.04	9.43	4.20	1.50		
29	6.27	5.11	3.90	3.20	1.40	2.20	3.40	7.92	7.35	15.83		1.40		
30	8.61	5.53	4.40	3.50	1.40	3.50	3.30	6.79	6.79	14.01		1.30		
31		5.53		2.60	1.50		2.90		6.37	10.43		1.20		
Total	366.54	341.24	136.38	109.31	50.16	92.22	139.83	260.10	660.53	208.35	178.42	108.30	2651.38	CMSDAY
Mean	12.22	11.01	4.55	3.53	1.62	3.07	4.51	8.67	21.31	6.72	6.37	3.49	7.26	CMS
Max	43.06	39.32	7.00	6.37	3.80	13.36	10.30	21.98	49.10	29.55	14.92	12.32	49.10	CMS
Min	6.27	4.80	3.40	2.40	0.72	1.10	2.00	1.30	6.16	3.00	3.70	1.20	0.72	CMS
Runoff	31.67	29.48	11.78	9.44	4.33	7.97	12.08	22.47	57.07	18.00	15.42	9.36	229.08	MCM
Momentary Peak	CMS. at 10.78 m. (MSL.) at 16.00 Hours , on Apr 5, 2022													
Runoff Yield	55.45 Liters/Second/Square KM.				Momentary Peak Yield 441.98				Liters/Second/Square KM.					

WATER YEAR : 2022**PENINSULA - UPPER EAST COAST BASIN****Lower Khlong Lang Suan at Thanon Luk Suea , Chumphon (X.212)**

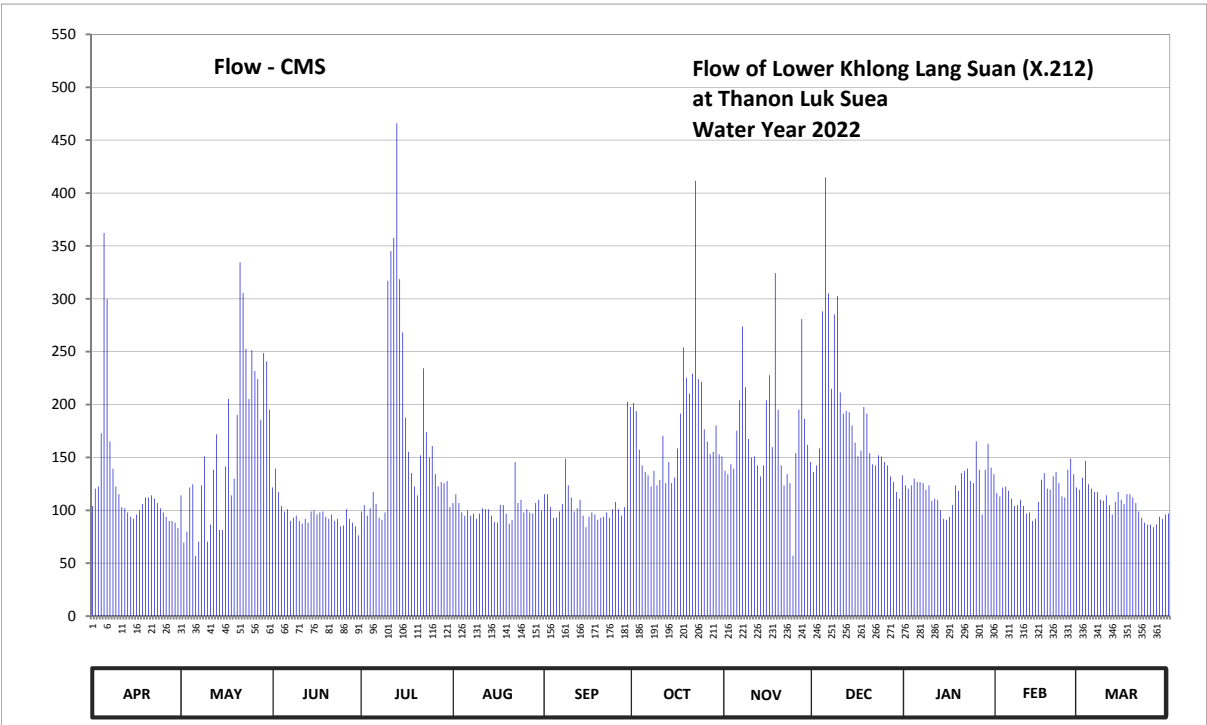
Lat 09 - 57 - 17 N Long 99 - 04 - 48 E

Location : on left bank at the bridge.

	Ban -	Amphoe Lang Suan	Changwat Chumphon
Drainage Area	1,407 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On the footpath in the middle of the bridge downstream.	Elevation	+9.486 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2009 to date		
Rating Operation			
Period of Rating	2009 to date		
Rated by Float	-		
Rated by Current Meter	2009 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 21 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.34	0.44	0.51	0.29	0.37	0.45	1.22	0.66	0.65	0.53	0.46	0.49	
2	0.50	-0.04	0.68	0.35	0.45	0.45	1.16	0.63	0.71	0.50	0.43	0.60	
3	0.52	0.08	0.47	0.25	0.37	0.33	0.85	0.72	0.86	0.53	0.51	0.75	
4	0.99	0.51	0.34	0.32	0.28	0.23	0.71	0.68	1.87	0.59	0.52	0.54	
5	2.37	0.54	0.29	0.47	0.25	0.23	0.65	1.01	2.69	0.56	0.48	0.50	
6	1.95	-0.19	0.31	0.36	0.30	0.29	0.62	1.24	2.51	0.56	0.41	0.47	
7	0.92	-0.03	0.20	0.23	0.25	0.36	0.52	1.77	1.98	0.55	0.34	0.47	
8	0.68	0.53	0.23	0.21	0.27	0.77	0.66	1.34	1.85	0.49	0.35	0.40	
9	0.52	0.79	0.25	0.28	0.22	0.53	0.53	0.94	1.97	0.53	0.40	0.39	
10	0.45	-0.03	0.20	2.07	0.27	0.42	0.58	0.78	1.30	0.39	0.34	0.44	
11	0.33	0.16	0.17	2.26	0.32	0.29	0.97	0.79	1.14	0.41	0.27	0.35	
12	0.32	0.67	0.22	2.34	0.31	0.32	0.55	0.71	1.16	0.40	0.28	0.26	
13	0.28	0.98	0.18	3.00	0.31	0.40	0.74	0.61	1.15	0.30	0.20	0.38	
14	0.24	0.10	0.29	2.08	0.25	0.25	0.55	0.71	1.05	0.22	0.22	0.47	
15	0.22	0.10	0.30	1.73	0.19	0.13	0.60	1.24	0.91	0.21	0.38	0.40	
16	0.26	0.70	0.26	1.11	0.18	0.24	0.86	1.43	0.79	0.24	0.58	0.36	
17	0.30	1.25	0.28	0.83	0.35	0.28	1.14	0.87	0.84	0.35	0.64	0.45	
18	0.36	0.44	0.29	0.64	0.35	0.26	1.63	2.12	1.19	0.53	0.50	0.45	
19	0.42	0.59	0.24	0.52	0.27	0.21	1.41	1.17	1.14	0.48	0.49	0.42	
20	0.42	1.13	0.22	0.44	0.17	0.23	1.29	0.71	0.82	0.64	0.61	0.37	
21	0.44	2.19	0.26	0.80	0.21	0.24	1.44	0.53	0.72	0.66	0.65	0.29	
22	0.41	1.99	0.20	1.48	0.74	0.28	2.67	0.63	0.71	0.68	0.55	0.23	
23	0.37	1.62	0.22	1.00	0.37	0.23	1.40	0.55	0.80	0.57	0.43	0.18	
24	0.32	1.25	0.14	0.78	0.40	0.31	1.38	0.63	0.79	0.55	0.42	0.16	
25	0.28	1.61	0.15	0.88	0.28	0.38	1.02	0.82	0.74	0.92	0.67	0.16	
26	0.24	1.46	0.31	0.63	0.31	0.31	0.92	1.17	0.71	0.67	0.77	0.13	
27	0.20	1.40	0.22	0.52	0.28	0.25	0.81	1.82	0.61	0.26	0.63	0.16	
28	0.20	1.09	0.18	0.56	0.27	0.33	0.83	1.10	0.56	0.67	0.51	0.24	
29	0.18	1.59	0.14	0.55	0.37	1.23	1.05	0.89	0.47	0.90		0.22	
30	0.12	1.53	0.04	0.57	0.40	1.19	0.81	0.74	0.41	0.69		0.26	
31		1.17		0.33	0.30		0.79		0.62	0.63		0.27	
Mean	0.50	0.83	0.26	0.90	0.31	0.38	0.98	0.97	1.09	0.52	0.47	0.36	
Max	2.37	2.19	0.68	3.00	0.74	1.23	2.67	2.12	2.69	0.92	0.77	0.75	3.00
Min	0.12	-0.19	0.04	0.21	0.17	0.13	0.52	0.53	0.41	0.21	0.20	0.13	-0.19
Annual Max Momentary Gage Height	3.59		m. (MSL.) ,				at 19.00 Hours , on Apr 5, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,				River Bed -2.45 m. (MSL.)						
Left Bank Elevation		7.85	m. (MSL.) ,										
Right Bank Elevation		9.03	m. (MSL.) ,				Drainage Are 1,407 Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	104.00	114.20	121.55	99.00	107.00	115.25	201.50	137.30	136.25	123.65	116.30	119.45		
2	120.50	69.60	139.40	105.00	115.25	115.25	194.00	134.15	142.55	120.50	113.15	131.00		
3	122.60	79.80	117.35	95.00	107.00	103.00	157.50	143.60	158.60	123.65	121.55	146.75		
4	172.90	121.55	104.00	102.00	98.00	93.00	142.55	139.40	288.15	129.95	122.60	124.70		
5	362.35	124.70	99.00	117.35	95.00	93.00	136.25	175.25	414.85	126.80	118.40	120.50		
6	299.75	56.85	101.00	106.00	100.00	99.00	133.10	204.00	305.10	126.80	111.05	117.35		
7	165.20	70.45	90.00	93.00	95.00	106.00	122.60	273.80	215.00	125.75	104.00	117.35		
8	139.40	123.65	93.00	91.00	97.00	148.85	137.30	216.50	285.25	119.45	105.00	110.00		
9	122.60	150.95	95.00	98.00	92.00	123.65	123.65	167.40	302.65	123.65	110.00	109.00		
10	115.25	70.45	90.00	317.15	97.00	112.10	128.90	149.90	211.50	109.00	104.00	114.20		
11	103.00	86.60	87.45	345.30	102.00	99.00	170.70	150.95	191.50	111.05	97.00	105.00		
12	102.00	138.35	92.00	357.70	101.00	102.00	125.75	142.55	194.00	110.00	98.00	96.00		
13	98.00	171.80	88.30	466.00	101.00	110.00	145.70	132.05	192.75	100.00	90.00	108.00		
14	94.00	81.50	99.00	318.60	95.00	95.00	125.75	142.55	180.25	92.00	92.00	117.35		
15	92.00	81.50	100.00	268.20	89.15	84.05	131.00	204.00	164.10	91.00	108.00	110.00		
16	96.00	141.50	96.00	187.75	88.30	94.00	158.60	227.90	150.95	94.00	128.90	106.00		
17	100.00	205.25	98.00	155.30	105.00	98.00	191.50	159.70	156.40	105.00	135.20	115.25		
18	106.00	114.20	99.00	135.20	105.00	96.00	254.20	324.40	197.75	123.65	120.50	115.25		
19	112.10	129.95	94.00	122.60	97.00	91.00	225.30	195.25	191.50	118.40	119.45	112.10		
20	112.10	190.25	92.00	114.20	87.45	93.00	210.25	142.55	154.20	135.20	132.05	107.00		
21	114.20	334.55	96.00	152.00	91.00	94.00	229.20	123.65	143.60	137.30	136.25	99.00		
22	111.05	305.55	90.00	234.40	145.70	98.00	411.55	134.15	142.55	139.40	125.75	93.00		
23	107.00	252.80	92.00	174.00	107.00	93.00	224.00	125.75	152.00	127.85	113.15	88.30		
24	102.00	205.25	84.90	149.90	110.00	101.00	221.50	57.25	150.95	125.75	112.10	86.60		
25	98.00	251.40	85.75	160.80	98.00	108.00	176.50	154.20	145.70	165.20	138.35	86.60		
26	94.00	231.80	101.00	134.15	101.00	101.00	165.20	195.25	142.55	138.35	148.85	84.05		
27	90.00	224.00	92.00	122.60	98.00	95.00	153.10	280.90	132.05	96.00	134.15	86.60		
28	90.00	185.25	88.30	126.80	97.00	103.00	155.30	186.50	126.80	138.35	121.55	94.00		
29	88.30	248.70	84.90	125.75	107.00	202.75	180.25	161.90	117.35	163.00		92.00		
30	83.20	240.90	76.40	127.85	110.00	197.75	153.10	145.70	111.05	140.45		96.00		
31		195.25		103.00	100.00		150.95		133.10	134.15		97.00		
Total	3717.50	4998.55	2887.30	5305.60	3138.85	3264.65	5436.75	5128.45	5731.00	3815.30	3277.30	3305.40	50006.65	CMSDAY
Mean	123.92	161.24	96.24	171.15	101.25	108.82	175.38	170.95	184.87	123.07	117.05	106.63	137.00	CMS
Max	362.35	334.55	139.40	466.00	145.70	202.75	411.55	324.40	414.85	165.20	148.85	146.75	466.00	CMS
Min	83.20	56.85	76.40	91.00	87.45	84.05	122.60	57.25	111.05	91.00	90.00	84.05	56.85	CMS
Runoff	321.19	431.87	249.46	458.40	271.20	282.07	469.74	443.10	495.16	329.64	283.16	285.59	4320.57	MCM
Momentary Peak	568.20 CMS. at 3.59 m. (MSL.) at 19.00 Hours , on Apr 5, 2022													
Runoff Yield	97.37	Liters/Second/Square KM.			Momentary Peak Yield		403.84	Liters/Second/Square KM.						

WATER YEAR : 2022**PENINSULA - UPPER EAST COAST BASIN****Upper Khlong Lang Suan at Ban Photo , Chumphon (X.213)**

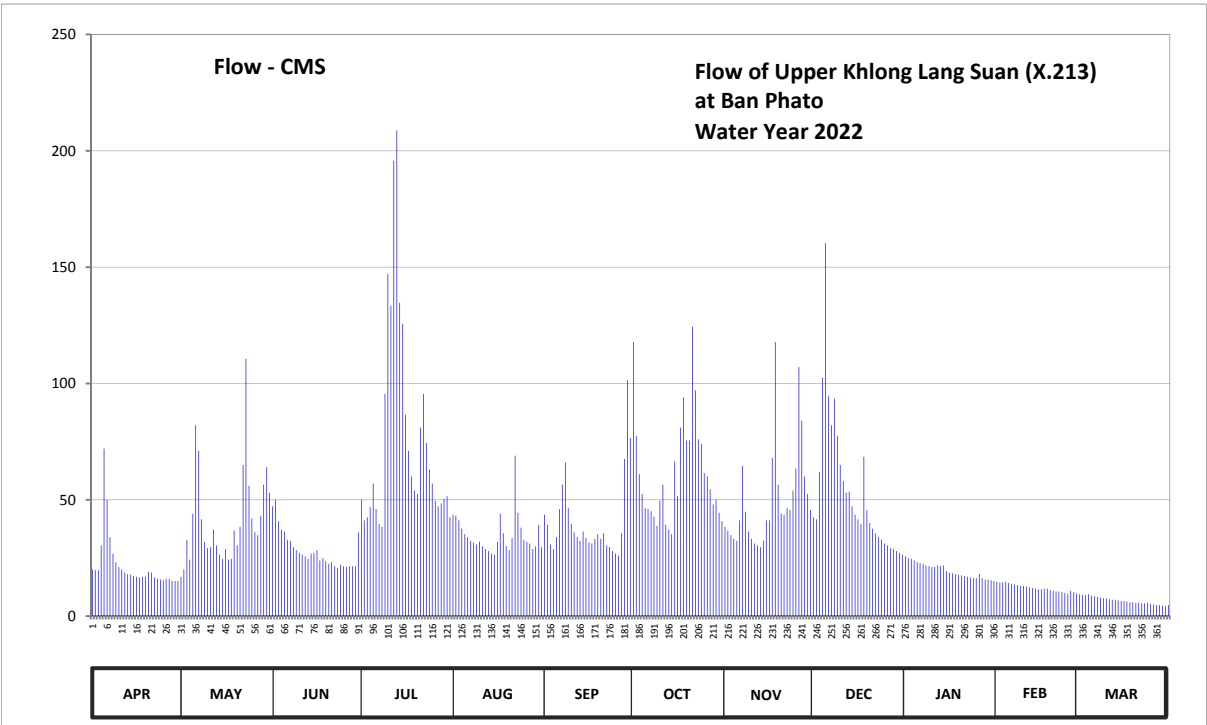
Lat 09 - 47 - 01 N Long 98 - 46 - 40 E

Location : on left bank at the bridge.

	Ban Photo	Amphoe Photo	Changwat Chumphon
Drainge Area	712 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+40.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	beside the bridge on the left side downstream.	Elevation	53.360 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings		
Period of Available Gage Records	2004 to date		
Rating Operation			
Period of Rating	2004 to date		
Rated by Float	-		
Rated by Current Meter	2004 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 20 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	42.83	42.73	43.53	43.60	43.44	43.44	44.93	43.31	43.41	42.99	42.66	42.48	
2	42.82	42.83	43.60	43.38	43.43	43.33	44.15	43.27	43.39	42.97	42.65	42.47	
3	42.82	43.17	43.37	43.41	43.38	43.12	43.82	43.22	43.84	42.96	42.65	42.47	
4	43.11	42.95	43.28	43.52	43.29	43.07	43.65	43.18	44.65	42.94	42.66	42.48	
5	44.04	43.45	43.26	43.74	43.23	43.20	43.51	43.16	45.59	42.92	42.64	42.46	
6	43.60	44.24	43.17	43.50	43.20	43.50	43.50	43.38	44.49	42.91	42.63	42.45	
7	43.20	44.02	43.16	43.34	43.16	43.73	43.48	43.89	44.24	42.90	42.62	42.44	
8	43.02	43.39	43.09	43.31	43.14	43.92	43.42	43.47	44.47	42.88	42.61	42.43	
9	42.92	43.15	43.06	44.51	43.12	43.51	43.32	43.26	44.15	42.87	42.60	42.42	
10	42.86	43.08	43.03	45.40	43.15	43.34	43.59	43.18	43.90	42.86	42.60	42.42	
11	42.83	43.09	43.01	45.19	43.10	43.25	43.73	43.13	43.76	42.86	42.59	42.41	
12	42.79	43.28	42.99	46.06	43.07	43.20	43.33	43.11	43.66	42.88	42.58	42.40	
13	42.77	43.11	42.96	46.22	43.05	43.16	43.28	43.09	43.67	42.87	42.57	42.40	
14	42.76	43.01	43.02	45.21	43.02	43.26	43.23	43.16	43.53	42.88	42.56	42.39	
15	42.74	42.96	43.03	45.06	43.01	43.19	43.93	43.38	43.44	42.81	42.55	42.38	
16	42.73	43.07	43.06	44.33	43.15	43.14	43.63	43.38	43.39	42.79	42.55	42.38	
17	42.72	42.95	42.94	44.02	43.45	43.13	44.22	43.96	43.34	42.78	42.56	42.37	
18	42.73	42.96	42.97	43.80	43.24	43.18	44.48	44.93	43.97	42.77	42.56	42.36	
19	42.73	43.27	42.93	43.68	43.10	43.23	44.11	43.73	43.49	42.76	42.54	42.36	
20	42.80	43.11	42.90	43.65	43.06	43.18	44.11	43.45	43.35	42.75	42.53	42.35	
21	42.79	43.31	42.92	44.22	43.19	43.24	45.04	43.44	43.29	42.74	42.52	42.35	
22	42.72	43.90	42.87	44.51	43.98	43.11	44.54	43.51	43.24	42.73	42.52	42.34	
23	42.70	44.81	42.85	44.09	43.46	43.09	44.12	43.49	43.20	42.72	42.51	42.34	
24	42.69	43.72	42.89	43.86	43.30	43.05	44.08	43.68	43.17	42.71	42.50	42.35	
25	42.68	43.40	42.87	43.74	43.17	43.02	43.83	43.87	43.13	42.71	42.49	42.33	
26	42.70	43.25	42.86	43.59	43.15	43.00	43.80	44.74	43.11	42.77	42.53	42.32	
27	42.70	43.22	42.87	43.53	43.13	43.24	43.69	44.28	43.08	42.71	42.51	42.31	
28	42.67	43.43	42.87	43.56	43.07	43.95	43.55	43.80	43.07	42.69	42.49	42.31	
29	42.67	43.73	42.87	43.61	43.10	44.63	43.60	43.65	43.05	42.69		42.30	
30	42.67	43.88	43.25	43.63	43.33	44.13	43.46	43.49	43.03	42.68		42.29	
31		43.66		43.41	43.09		43.37		43.01	42.67		42.31	
Mean	42.86	43.36	43.05	44.09	43.22	43.35	43.82	43.55	43.62	42.81	42.57	42.38	
Max	44.04	44.81	43.60	46.22	43.98	44.63	45.04	44.93	45.59	42.99	42.66	42.48	46.22
Min	42.67	42.73	42.85	43.31	43.01	43.00	43.23	43.09	43.01	42.67	42.49	42.29	42.29
Annual Max Momentary Gage Height	47.14		m. (MSL.) ,				at 20.00 Hours , on Oct 21, 2022						
Zero Gage at Bottom Elevation		40.00	m. (MSL.) ,			River Bed	40.28	m. (MSL.)					
Left Bank Elevation		49.97	m. (MSL.) ,										
Right Bank Elevation		52.04	m. (MSL.) ,			Drainage Are	712	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	20.05	16.90	47.20	50.00	43.60	43.60	117.80	38.40	42.40	25.65	14.80	9.40		
2	19.70	20.05	50.00	41.20	43.20	39.20	77.50	36.80	41.60	24.95	14.50	9.10		
3	19.70	32.80	40.80	42.40	41.20	30.80	61.00	34.80	62.00	24.60	14.50	9.10		
4	30.40	24.25	37.20	46.80	37.60	28.80	52.50	33.20	102.50	23.90	14.80	9.40		
5	72.00	44.00	36.40	57.00	35.20	34.00	46.40	32.40	160.30	23.20	14.20	8.80		
6	50.00	82.00	32.80	46.00	34.00	46.00	46.00	41.20	94.50	22.85	13.90	8.50		
7	34.00	71.00	32.40	39.60	32.40	56.50	45.20	64.50	82.00	22.50	13.60	8.20		
8	26.80	41.60	29.60	38.40	31.60	66.00	42.80	44.80	93.50	21.80	13.30	7.90		
9	23.20	32.00	28.40	95.50	30.80	46.40	38.80	36.40	77.50	21.45	13.00	7.60		
10	21.10	29.20	27.20	147.00	32.00	39.60	49.60	33.20	65.00	21.10	13.00	7.60		
11	20.05	29.60	26.40	133.40	30.00	36.00	56.50	31.20	58.00	21.10	12.70	7.30		
12	18.70	37.20	25.65	195.80	28.80	34.00	39.20	30.40	53.00	21.80	12.40	7.00		
13	18.10	30.40	24.60	208.80	28.00	32.40	37.20	29.60	53.50	21.45	12.10	7.00		
14	17.80	26.40	26.80	134.65	26.80	36.40	35.20	32.40	47.20	21.80	11.80	6.75		
15	17.20	24.60	27.20	125.60	26.40	33.60	66.50	41.20	43.60	19.35	11.50	6.50		
16	16.90	28.80	28.40	86.50	32.00	31.60	51.50	41.20	41.60	18.70	11.50	6.50		
17	16.60	24.25	23.90	71.00	44.00	31.20	81.00	68.00	39.60	18.40	11.80	6.25		
18	16.90	24.60	24.95	60.00	35.60	33.20	94.00	117.80	68.50	18.10	11.80	6.00		
19	16.90	36.80	23.55	54.00	30.00	35.20	75.50	56.50	45.60	17.80	11.20	6.00		
20	19.00	30.40	22.50	52.50	28.40	33.20	75.50	44.00	40.00	17.50	10.90	5.75		
21	18.70	38.40	23.20	81.00	33.60	35.60	124.40	43.60	37.60	17.20	10.60	5.75		
22	16.60	65.00	21.45	95.50	69.00	30.40	97.00	46.40	35.60	16.90	10.60	5.50		
23	16.00	110.60	20.75	74.50	44.40	29.60	76.00	45.60	34.00	16.60	10.30	5.50		
24	15.70	56.00	22.15	63.00	38.00	28.00	74.00	54.00	32.80	16.30	10.00	5.75		
25	15.40	42.00	21.45	57.00	32.80	26.80	61.50	63.50	31.20	16.30	9.70	5.25		
26	16.00	36.00	21.10	49.60	32.00	26.00	60.00	107.00	30.40	18.10	10.90	5.00		
27	16.00	34.80	21.45	47.20	31.20	35.60	54.50	84.00	29.20	16.30	10.30	4.75		
28	15.10	43.20	21.45	48.40	28.80	67.50	48.00	60.00	28.80	15.70	9.70	4.75		
29	15.10	56.50	21.45	50.50	30.00	101.50	50.00	52.50	28.00	15.70		4.50		
30	15.10	64.00	36.00	51.50	39.20	76.50	44.40	45.60	27.20	15.40		4.25		
31		53.00		42.40	29.60		40.80		26.40	15.10		4.75		
Total	654.80	1286.35	846.40	2386.75	1080.20	1225.20	1920.30	1490.20	1653.10	607.60	339.40	206.40	13696.70	CMSDAY
Mean	21.83	41.50	28.21	76.99	34.85	40.84	61.95	49.67	53.33	19.60	12.12	6.66	37.53	CMS
Max	72.00	110.60	50.00	208.80	69.00	101.50	124.40	117.80	160.30	25.65	14.80	9.40	208.80	CMS
Min	15.10	16.90	20.75	38.40	26.40	26.00	35.20	29.60	26.40	15.10	9.70	4.25	4.25	CMS
Runoff	56.57	111.14	73.13	206.22	93.33	105.86	165.91	128.75	142.83	52.50	29.32	17.83	1183.39	MCM
Momentary Peak	298.40 CMS. at 47.14 m. (MSL.) at 20.00 Hours , on Oct 21, 2022													
Runoff Yield	52.70	Liters/Second/Square KM.			Momentary Peak Yield			419.05	Liters/Second/Square KM.					

WATER YEAR : 2022**PENINSULA - UPPER EAST COAST BASIN****Tapi River at Ban Khian Sa , Surat Thani (X.217)**

Lat 08 - 50 - 51 N Long 99 - 11 - 56 E

Location : on left bank at Ban Khian Sa.

	Ban	Khian Sa	Amphoe	Khian Sa	Changwat	Surat Thani
Drainge Area	6,752	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the abutment of the bridge.				Elevation	+9.801 m. (MSL.)
Gage Reading Frequency	Recording.					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2003 to date					
Rating Operation						
Period of Rating	2003 to date					
Rated by Float	-					
Rated by Current Meter	2003 to date					
Stability of Channel Regimes	Fairly stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 17 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.82	0.58	1.36	0.92	2.49	1.07	1.26	3.27	3.06	1.35	0.96	0.66	
2	0.91	0.64	1.42	0.95	2.49	1.17	1.40	3.14	3.11	1.20	0.86	0.75	
3	1.00	0.86	1.38	1.02	2.51	1.34	1.54	3.00	3.12	1.17	0.91	0.90	
4	1.06	1.13	1.26	1.03	2.52	1.42	1.67	2.83	3.11	1.19	0.92	0.82	
5	1.12	1.29	1.08	1.13	2.50	1.48	1.76	2.64	3.11	1.19	0.89	0.73	
6	1.15	1.44	1.06	1.29	2.45	1.53	1.85	2.45	3.11	1.15	0.85	0.72	
7	1.28	1.51	1.01	1.36	2.38	1.57	1.90	2.24	3.10	1.23	0.76	0.69	
8	1.40	1.54	0.90	1.35	2.30	1.57	1.98	2.01	3.09	1.14	0.74	0.63	
9	1.36	1.47	0.90	1.34	2.18	1.57	2.05	1.86	3.13	1.08	0.72	0.57	
10	1.28	1.41	0.84	1.38	2.02	1.55	2.10	1.78	3.20	0.97	0.68	0.61	
11	1.09	1.38	0.70	1.53	1.85	1.47	2.14	1.73	3.28	0.92	0.61	0.57	
12	0.97	1.49	0.85	1.71	1.67	1.42	2.16	1.68	3.32	0.92	0.58	0.49	
13	0.86	1.61	1.01	1.92	1.48	1.50	2.18	1.59	3.35	0.91	0.44	0.47	
14	0.77	1.71	1.20	2.13	1.31	1.50	2.22	1.54	3.34	0.79	0.38	0.56	
15	0.75	1.80	1.39	2.22	1.09	1.46	2.20	1.49	3.30	0.70	0.50	0.51	
16	0.87	1.84	1.54	2.26	0.85	1.48	2.20	1.45	3.22	0.68	0.69	0.44	
17	0.91	1.90	1.63	2.30	0.73	1.49	2.24	1.50	3.12	0.71	0.85	0.54	
18	0.92	1.95	1.69	2.35	0.75	1.38	2.23	1.60	3.05	0.86	0.76	0.61	
19	0.98	1.99	1.70	2.37	0.76	1.22	2.23	1.69	3.00	0.86	0.74	0.58	
20	0.94	1.97	1.63	2.38	0.72	1.05	2.25	1.75	2.92	0.98	0.81	0.55	
21	1.04	1.91	1.53	2.38	0.71	0.94	2.38	1.76	2.83	1.04	0.88	0.45	
22	1.04	1.78	1.39	2.38	0.76	0.84	2.54	1.80	2.75	1.05	0.82	0.34	
23	1.00	1.57	1.27	2.40	0.85	0.86	2.68	1.84	2.68	0.97	0.72	0.31	
24	0.93	1.36	1.25	2.42	0.96	0.95	2.81	1.98	2.62	0.89	0.69	0.31	
25	0.77	1.11	1.28	2.43	1.00	1.06	2.94	2.15	2.53	1.05	0.84	0.32	
26	0.68	0.80	1.34	2.47	0.97	1.09	3.09	2.33	2.41	1.25	0.95	0.25	
27	0.54	0.69	1.36	2.47	1.07	1.01	3.27	2.49	2.26	1.04	0.87	0.18	
28	0.45	0.68	1.29	2.48	1.12	0.85	3.39	2.64	2.08	1.18	0.72	0.28	
29	0.47	0.65	1.21	2.51	1.22	0.81	3.44	2.79	1.87	1.36		0.31	
30	0.44	0.63	1.04	2.52	1.28	1.00	3.43	2.95	1.63	1.27		0.27	
31		1.12		2.51	1.14		3.36		1.46	1.14		0.29	
Mean	0.93	1.35	1.25	1.93	1.49	1.26	2.35	2.13	2.84	1.04	0.75	0.51	
Max	1.40	1.99	1.70	2.52	2.52	1.57	3.44	3.27	3.35	1.36	0.96	0.90	3.44
Min	0.44	0.58	0.70	0.92	0.71	0.81	1.26	1.45	1.46	0.68	0.38	0.18	0.18
Annual Max Momentary Gage Height	3.45		m. (MSL.) ,				at 22.00 Hours , on Oct 29, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	-5.01	m. (MSL.)					
Left Bank Elevation		3.71	m. (MSL.) ,										
Right Bank Elevation		4.03	m. (MSL.) ,			Drainage Are	6,752	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	116.30	101.80	154.00	122.80	256.45	132.90	146.50	361.20	329.00	153.25	47.60	31.00	
2	122.15	105.40	158.60	124.75	256.45	139.90	157.00	341.00	336.50	142.00	41.60	35.50	
3	128.00	118.90	155.50	129.40	258.55	152.50	168.20	320.00	338.00	139.90	44.60	44.00	
4	132.20	137.10	146.50	130.10	259.60	158.60	178.95	296.20	336.50	141.30	45.20	39.20	
5	136.40	148.75	133.60	137.10	257.50	163.40	186.60	272.80	336.50	141.30	43.40	34.50	
6	138.50	160.20	132.20	148.75	252.25	167.40	194.50	252.25	336.50	138.50	41.00	34.00	
7	148.00	165.80	128.70	154.00	245.00	170.60	199.00	231.00	335.00	144.25	36.00	32.50	
8	157.00	168.20	121.50	153.25	237.00	170.60	206.20	208.95	333.50	137.80	35.00	29.50	
9	154.00	162.60	121.50	152.50	225.10	170.60	212.75	195.40	339.50	133.60	34.00	26.95	
10	148.00	157.80	117.60	155.50	209.90	169.00	217.50	188.30	350.00	126.05	32.00	28.50	
11	134.30	155.50	109.00	167.40	194.50	162.60	221.30	184.05	362.80	122.80	28.50	26.95	
12	126.05	164.20	118.25	182.35	178.95	158.60	223.20	179.80	369.20	122.80	27.30	24.15	
13	118.90	173.85	128.70	200.80	163.40	165.00	225.10	172.20	374.00	122.15	22.40	23.45	
14	113.20	182.35	142.00	220.35	150.25	165.00	229.00	168.20	372.40	114.40	20.55	26.60	
15	112.00	190.00	156.25	229.00	134.30	161.80	227.00	164.20	366.00	109.00	24.50	24.85	
16	119.55	193.60	168.20	233.00	118.25	163.40	227.00	161.00	353.20	107.80	32.50	22.40	
17	122.15	199.00	175.55	237.00	110.80	164.20	231.00	165.00	338.00	33.50	41.00	25.90	
18	122.80	203.50	180.65	242.00	112.00	155.50	230.00	173.00	327.50	41.60	36.00	28.50	
19	126.70	207.10	181.50	244.00	112.60	143.50	230.00	180.65	320.00	41.60	35.00	27.30	
20	124.10	205.30	175.55	245.00	110.20	131.50	232.00	185.75	308.80	48.80	38.60	26.25	
21	130.80	199.90	167.40	245.00	109.60	124.10	245.00	186.60	296.20	52.80	42.80	22.75	
22	130.80	188.30	156.25	245.00	112.60	117.60	261.70	190.00	286.00	53.50	39.20	87.70	
23	128.00	170.60	147.25	247.00	118.25	118.90	277.60	193.60	277.60	48.20	34.00	86.05	
24	123.45	154.00	145.75	249.10	125.40	124.75	293.40	206.20	270.40	43.40	32.50	86.05	
25	113.20	135.70	148.00	250.15	128.00	132.20	311.60	222.25	260.65	53.50	40.40	86.60	
26	107.80	115.00	152.50	254.35	126.05	134.30	333.50	240.00	248.05	68.00	47.00	82.75	
27	99.40	108.40	154.00	254.35	132.90	128.70	361.20	256.45	233.00	52.80	42.20	78.90	
28	94.00	107.80	148.75	255.40	136.40	118.25	380.40	272.80	215.60	62.6			

WATER YEAR : 2022**PENINSULA - UPPER EAST COAST BASIN****Tapi River at Ban Khuan Klang (1) , Nakhon Si Thammarat (X.243)**

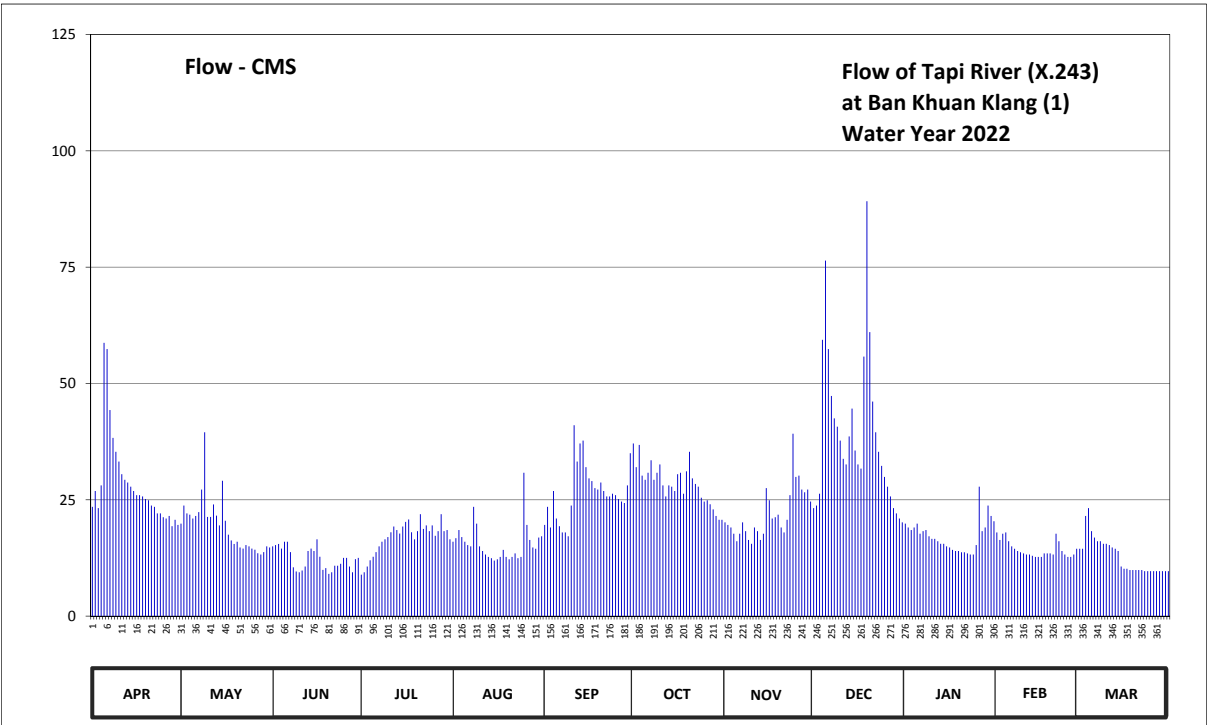
Lat 08 - 33 - 35 N Long 99 - 32 - 11 E

Location : on left bank at Ban Khuan Klang (1).

	Ban	Khuan Klang (1)	Amphoe	Phi Pun	Changwat	Nakhon Si Thammarat
Drainge Area	341	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the abutment of the bridge.				Elevation	44.377 m. (MSL.)
Gage Reading Frequency	Recording.					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2006 to date					
Rating Operation						
Period of Rating	2006 to date					
Rated by Float	-					
Rated by Current Meter	2006 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 18 discharge measurements made in 2022.					

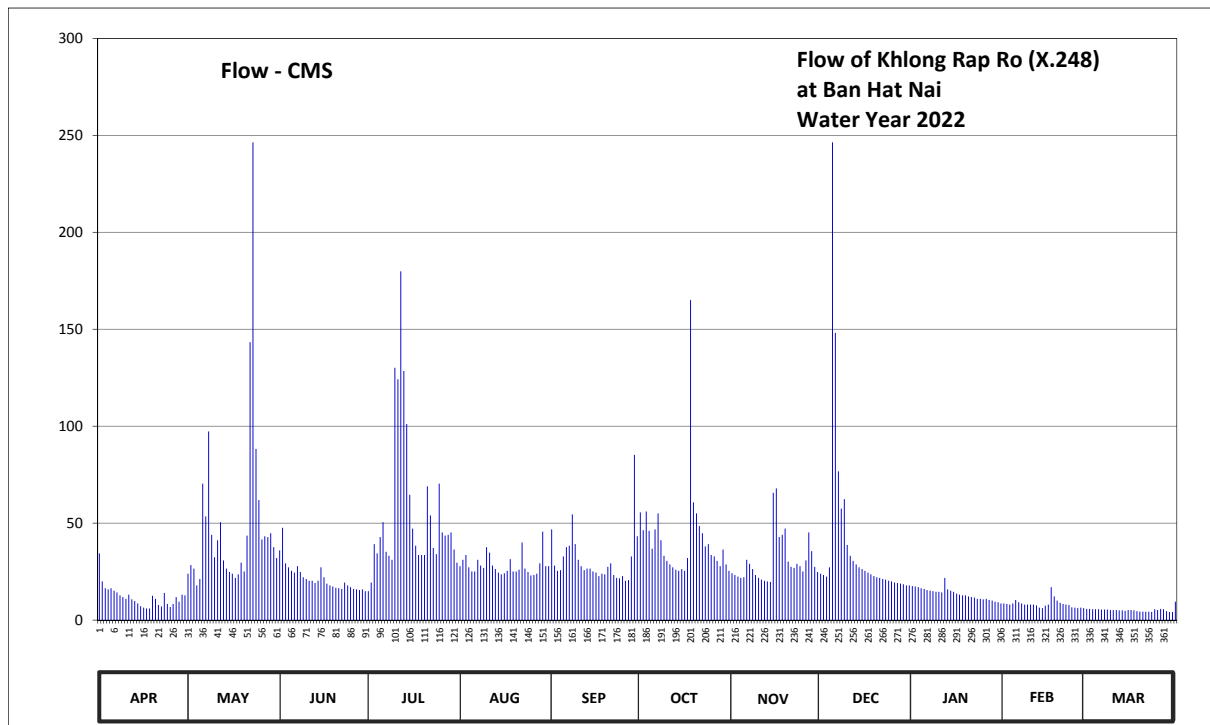
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	39.91	39.78	39.96	39.68	40.00	39.77	40.37	39.79	39.90	39.78	39.71	39.58	
2	40.03	39.92	39.97	39.71	40.03	39.91	40.20	39.77	39.92	39.75	39.65	39.58	
3	39.90	39.86	39.98	39.78	40.10	39.75	40.36	39.75	40.01	39.73	39.70	39.84	
4	40.07	39.85	39.94	39.84	40.04	40.03	40.14	39.70	41.09	39.75	39.71	39.90	
5	41.07	39.82	40.00	39.87	40.00	39.82	40.11	39.64	41.56	39.78	39.64	39.72	
6	41.03	39.84	40.00	39.91	39.97	39.76	40.16	39.70	41.03	39.70	39.60	39.67	
7	40.61	39.87	39.91	39.96	39.96	39.71	40.25	39.79	40.71	39.72	39.58	39.64	
8	40.41	40.04	39.77	40.00	39.91	39.71	40.11	39.72	40.55	39.73	39.56	39.64	
9	40.31	40.45	39.72	40.02	39.78	39.68	40.16	39.65	40.49	39.68	39.55	39.62	
10	40.24	40.21	39.71	40.04	39.60	39.92	40.22	39.62	40.39	39.66	39.54	39.62	
11	40.15	40.21	39.73	40.08	39.56	40.50	40.07	39.75	40.26	39.66	39.53	39.61	
12	40.11	40.30	39.78	40.13	39.53	40.24	39.99	39.72	40.22	39.64	39.53	39.59	
13	40.09	40.22	39.92	40.10	39.51	40.37	40.07	39.65	40.42	39.62	39.52	39.58	
14	40.06	40.14	39.94	40.07	39.50	40.39	40.06	39.70	40.62	39.62	39.51	39.56	
15	40.03	40.46	39.92	40.13	39.48	40.20	40.03	40.05	40.32	39.60	39.51	39.43	
16	40.00	40.18	40.02	40.17	39.49	40.12	40.15	39.96	40.22	39.59	39.51	39.41	
17	40.00	40.06	39.87	40.19	39.51	40.10	40.16	39.82	40.19	39.57	39.54	39.41	
18	39.99	40.01	39.74	40.08	39.57	40.05	40.01	39.83	40.98	39.56	39.54	39.40	
19	39.97	39.98	39.76	40.02	39.51	40.04	40.17	39.85	41.87	39.56	39.54	39.40	
20	39.96	40.00	39.69	40.09	39.49	40.09	40.31	39.75	41.14	39.55	39.53	39.40	
21	39.92	39.95	39.71	40.23	39.51	40.03	40.12	39.71	40.67	39.55	39.70	39.40	
22	39.91	39.94	39.79	40.11	39.54	39.99	40.08	39.81	40.45	39.54	39.64	39.40	
23	39.86	39.97	39.79	40.14	39.50	39.99	40.06	40.00	40.31	39.53	39.56	39.39	
24	39.86	39.96	39.81	40.09	39.51	40.01	39.98	40.44	40.21	39.53	39.53	39.39	
25	39.83	39.94	39.86	40.14	40.16	40.00	39.95	40.13	40.13	39.61	39.51	39.39	
26	39.82	39.93	39.86	40.05	39.77	39.97	39.96	40.14	40.06	40.06	39.51	39.39	
27	39.84	39.90	39.78	40.09	39.65	39.95	39.93	40.04	39.99	39.72	39.53	39.39	
28	39.76	39.89	39.71	40.23	39.59	39.94	39.89	40.02	39.90	39.75	39.58	39.39	
29	39.81	39.91	39.85	40.09	39.58	40.07	39.84	40.04	39.86	39.92		39.39	
30	39.77	39.96	39.86	40.10	39.67	40.30	39.81	39.95	39.82	39.84		39.39	
31		39.95		40.02	39.68		39.81		39.79	39.80		39.39	
Mean	40.08	40.02	39.84	40.04	39.70	40.01	40.08	39.85	40.42	39.68	39.57	39.51	
Max	41.07	40.46	40.02	40.23	40.16	40.50	40.37	40.44	41.87	40.06	39.71	39.90	41.87
Min	39.76	39.78	39.69	39.68	39.48	39.68	39.81	39.62	39.79	39.53	39.51	39.39	39.39
Annual Max Momentary Gage Height	42.00		m. (MSL.) ,				at 18.00 Hours ,	on Dec 19, 2022					
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	38.01	m. (MSL.)					
Left Bank Elevation		43.58	m. (MSL.) ,										
Right Bank Elevation		44.52	m. (MSL.) ,			Drainage Are	341	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	23.48	19.86	15.00	8.90	16.00	19.59	37.10	20.13	23.20	19.86	17.97	14.49	
2	26.90	23.76	15.25	9.43	16.75	23.48	32.00	19.59	23.76	19.05	16.35	14.49	
3	23.20	22.08	15.50	10.65	18.50	19.05	36.80	19.05	26.30	18.51	17.70	21.52	
4	28.10	21.80	14.50	12.00	17.00	26.90	30.20	17.70	59.37	19.05	17.97	23.20	
5	58.71	20.96	16.00	12.75	16.00	20.96	29.30	16.08	76.40	19.86	16.08	18.24	
6	57.39	21.52	16.00	13.75	15.25	19.32	30.80	17.70	57.39	17.70	15.00	16.89	
7	44.30	22.36	13.75	15.00	15.00	17.97	33.50	20.13	47.30	18.24	14.49	16.08	
8	38.30	27.20	10.48	16.00	23.48	17.97	29.30	18.24	42.50	18.51	13.98	16.08	
9	35.30	39.50	9.60	16.50	19.86	17.16	30.80	16.35	40.70	17.16	13.73	15.54	
10	33.20	21.30	9.43	17.00	15.00	23.76	32.60	15.54	37.70	16.62	13.47	15.54	
11	30.50	21.30	9.78	18.00	13.98	41.00	28.10	19.05	33.80	16.62	13.22	15.27	
12	29.30	24.00	10.65	19.25	13.22	33.20	25.72	18.24	32.60	16.08	13.22	14.75	
13	28.70	21.60	14.00	18.50	12.71	37.10	28.10	16.35	38.60	15.54	12.96	14.49	
14	27.80	19.50	14.50	17.75	12.45	37.70	27.80	17.70	44.60	15.54	12.71	13.98	
15	26.90	29.10	14.00	19.25	11.94	32.00	26.90	27.50	35.60	15.00	12.71	10.67	
16	26.00	20.50	16.50	20.25	12.20	29.60	30.50	24.88	32.60	14.75	12.71	10.16	
17	26.00	17.50	12.75	20.75	12.71	29.00	30.80	20.96	31.70	14.24	13.47	10.16	
18	25.72	16.25	9.95	18.00	14.24	27.50	26.30	21.24	55.76	13.98	13.47	9.90	
19	25.16	15.50	10.30	16.50	12.71	27.20	31.10	21.80	89.15	13.98	13.47	9.90	
20	24.88	16.00	9.08	18.25	12.20	28.70	35.30	19.05	61.02	13.73	13.22	9.90	
21	23.76	14.75	9.43	21.90	12.71	26.90	29.60	17.97	46.10	13.73	17.70	9.90	
22	23.48	14.50	10.83	18.75	13.47	25.72	28.40	20.68	39.50	13.47	16.08	9.90	
23	22.08	15.25	10.83	19.50	12.45	25.72	27.80	26.00	35.30	13.22	13.98	9.65	
24	22.08	15.00	11.25	18.25	12.71	26.30	25.44	39.20	32.30	13.22	13.22	9.65	
25	21.24	14.50	12.50	19.50	30.80	26.00	24.60	29.90	29.90	15.27	12.71	9.65	
26	20.96	14.25	12.50	17.25	19.59	25.16	24.88	30.20	27.80	27.80	12.71	9.65	
27	21.52	13.50	10.65	18.25	16.35	24.60	24.04	27.20	25.72	18.24	13.22	9.65	
28	19.32	13.25	9.43	21.90	14.75	24.32	22.92	26.60	23.20	19.05	14.49	9.65	
29	20.68	13.75	12.25	18.25	14.49	28.10	21.52	27.20	22.08	23.76		9.65	
30	19.59	15.00	12.50	18.50	16.89	35.00	20.68	24.60	20.96	21.52		9.65	
31		14.75		16.50	17.16		20.68		20.13	20.40		9.65	
Total	854.55	600.09	369.19	527.03	482.57	796.98	883.58	656.83	1213.04	533.70	402.01	397.90	7717.47 CMSDAY
Mean	28.49	19.36	12.31	17.00	15.57	26.57	28.50	21.89	39.13	17.22	14.36	12.84	21.14 CMS
Max	58.71	39.50	16.50	21.90	30.80	41.00	37.10	39.20	89.15	27.80	17.97	23.20	89.15 CMS
Min	19.32	13.25	9.08	8.90	11.94	17.16	20.68	15.54	20.13	13.22	12.71	9.65	8.90 CMS
Runoff	73.83	51.85	31.90	45.54	41.69	68.86	76.34	56.75	104.81	46.11	34.73	34.38	666.79 MCM
Momentary Peak	95.00 CMS. at 42.00 m. (MSL.) at 18.00 Hours , on Dec 19, 2022												
Runoff Yield	62.01	Liters/Second/Square KM.			Momentary Peak Yield		278.59	Liters/Second/Square KM.					

WATER YEAR : 2022													
PENINSULA - UPPER EAST COAST BASIN													
Khlong Rap Ro at Ban Hat Nai , Chumphon (X.248)													
Lat 10 - 38 - 16 N Long 99 - 03 - 01 E													
Location : on left bank at Ban Hat Nai.													
	Ban Hat Nai			Amphoe Tha Sae			Changwat Chumphon						
Drainge Area	626 sq.km.												
Type of Gage	Water - stage recorder												
Zero Gage at Bottom	+0.000 m. (MSL.)												
Bench Mark	B.M.-H.D.												
Location BM	Near the automatic gage building.						Elevation +31.337 m. (MSL.)						
Gage Reading Frequency	Recording												
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings												
Period of Available Gage Records	2006 to date												
Rating Operation													
Period of Rating	2006 to date												
Rated by Float	-												
Rated by Current Meter	2006 to date												
Stability of Channel Regimes	Stable.												
Overbank Flow Conditions	No overbank flow.												
General Description	Records good. Stage-discharge relation defined by 22 discharge measurements made in 2022.												
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	18.66	18.33	18.70	18.03	18.46	18.97	19.15	18.34	18.33	18.12	17.82	17.69	
2	18.20	18.48	18.99	18.18	18.57	18.47	18.96	18.31	18.31	18.11	17.81	17.69	
3	18.08	18.42	18.51	18.78	18.64	18.38	19.16	18.28	18.28	18.10	17.80	17.68	
4	18.06	18.13	18.44	18.66	18.44	18.39	18.95	18.26	18.44	18.08	17.82	17.68	
5	18.08	18.24	18.38	18.87	18.37	18.62	18.72	18.27	21.24	18.07	17.88	17.68	
6	18.04	19.42	18.35	19.05	18.37	18.74	18.97	18.57	20.38	18.05	17.84	17.67	
7	18.01	19.11	18.46	18.68	18.57	18.76	19.14	18.50	19.51	18.04	17.82	17.67	
8	17.96	19.79	18.36	18.63	18.47	19.13	18.83	18.41	19.19	18.03	17.80	17.67	
9	17.93	18.90	18.27	18.57	18.43	18.78	18.63	18.31	19.28	18.02	17.80	17.66	
10	17.90	18.61	18.24	20.19	18.74	18.57	18.55	18.26	18.77	18.02	17.80	17.66	
11	17.97	18.83	18.21	20.12	18.67	18.46	18.49	18.23	18.63	18.01	17.80	17.66	
12	17.89	19.05	18.21	20.69	18.47	18.39	18.44	18.21	18.55	18.26	17.78	17.65	
13	17.86	18.56	18.17	20.17	18.41	18.42	18.40	18.20	18.49	18.06	17.72	17.65	
14	17.82	18.42	18.21	19.84	18.35	18.42	18.38	18.19	18.44	18.04	17.71	17.64	
15	17.76	18.36	18.44	19.32	18.32	18.37	18.41	19.34	18.41	18.02	17.77	17.66	
16	17.72	18.33	18.27	18.98	18.34	18.35	18.38	19.38	18.38	17.99	17.80	17.66	
17	17.70	18.26	18.16	18.76	18.38	18.29	18.60	18.87	18.35	17.97	18.10	17.65	
18	17.70	18.32	18.13	18.64	18.58	18.33	20.55	18.90	18.32	17.96	17.94	17.63	
19	17.95	18.52	18.11	18.64	18.37	18.32	19.25	18.98	18.29	17.96	17.87	17.62	
20	17.90	18.37	18.09	18.64	18.37	18.45	19.14	18.54	18.27	17.94	17.83	17.62	
21	17.79	18.89	18.08	19.40	18.40	18.51	19.01	18.45	18.26	17.93	17.81	17.62	
22	17.75	20.33	18.07	19.12	18.80	18.31	18.92	18.43	18.24	17.92	17.80	17.62	
23	18.00	21.24	18.18	18.73	18.42	18.26	18.75	18.50	18.23	17.90	17.79	17.61	
24	17.81	19.67	18.13	18.65	18.36	18.25	18.78	18.46	18.21	17.90	17.73	17.68	
25	17.74	19.27	18.10	19.42	18.30	18.29	18.64	18.37	18.20	17.89	17.72	17.66	
26	17.81	18.84	18.07	18.93	18.31	18.21	18.62	18.56	18.18	17.90	17.71	17.69	
27	17.93	18.88	18.06	18.89	18.33	18.22	18.55	18.93	18.17	17.88	17.72	17.68	
28	17.85	18.87	18.05	18.90	18.51	18.62	18.46	18.69	18.16	17.87	17.71	17.63	
29	17.97	18.92	18.06	18.93	18.94	19.63	18.71	18.45	18.15	17.85		17.61	
30	17.96	18.74	18.03	18.71	18.46	18.88	18.49	18.36	18.13	17.84		17.61	
31		18.60		18.52	18.46		18.38		18.13	17.82		17.85	
Mean	17.93	18.86	18.25	19.02	18.47	18.53	18.79	18.52	18.58	17.99	17.80	17.66	
Max	18.66	21.24	18.99	20.69	18.94	19.63	20.55	19.38	21.24	18.26	18.10	17.85	21.24
Min	17.70	18.13	18.03	18.03	18.30	18.21	18.38	18.19	18.13	17.82	17.71	17.61	17.61
Annual Max Momentary Gage Height	23.63	m. (MSL.) ,			at 13.00 Hours , on Dec 5, 2022								
Zero Gage at Bottom Elevation	0.00	m. (MSL.) ,			River Bed	17.05	m. (MSL.)						
Left Bank Elevation	27.09	m. (MSL.) ,											
Right Bank Elevation	23.89	m. (MSL.) ,			Drainage Are	626	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	34.40	23.90	36.00	14.90	27.80	46.80	55.50	24.20	23.90	17.60	8.60	5.80		
2	20.00	28.40	47.60	19.40	31.10	28.10	46.40	23.30	23.30	17.30	8.30	5.80		
3	16.40	26.60	29.30	39.20	33.60	25.40	56.00	22.40	22.40	17.00	8.00	5.60		
4	15.80	17.90	27.20	34.40	27.20	25.70	46.00	21.80	27.20	16.40	8.60	5.60		
5	16.40	21.20	25.40	42.80	25.10	32.80	36.80	22.10	246.40	16.10	10.40	5.60		
6	15.20	70.40	24.50	50.50	25.10	37.60	46.80	31.10	148.10	15.50	9.20	5.40		
7	14.30	53.50	27.80	35.20	31.10	38.40	55.00	29.00	76.70	15.20	8.60	5.40		
8	12.80	97.25	24.80	33.20	28.10	54.50	41.20	26.30	57.50	14.90	8.00	5.40		
9	11.90	44.00	22.10	31.10	26.90	39.20	33.20	23.30	62.40	14.60	8.00	5.20		
10	11.00	32.40	21.20	130.15	37.60	31.10	30.50	21.80	38.80	14.60	8.00	5.20		
11	13.10	41.20	20.30	124.20	34.80	27.80	28.70	20.90	33.20	14.30	8.00	5.20		
12	10.70	50.50	20.30	179.90	28.10	25.70	27.20	20.30	30.50	21.80	7.60	5.00		
13	9.80	30.80	19.10	128.45	26.30	26.60	26.00	20.00	28.70	15.80	6.40	5.00		
14	8.60	26.60	20.30	101.20	24.50	26.60	25.40	19.70	27.20	15.20	6.20	4.80		
15	7.20	24.80	27.20	64.60	23.60	25.10	26.30	65.70	26.30	14.60	7.40	5.20		
16	6.40	23.90	22.10	47.20	24.20	24.50	25.40	67.90	25.40	13.70	8.00	5.20		
17	6.00	21.80	18.80	38.40	25.40	22.70	32.00	42.80	24.50	13.10	17.00	5.00		
18	6.00	23.60	17.90	33.60	31.40	23.90	165.00	44.00	23.60	12.80	12.20	4.60		
19	12.50	29.60	17.30	33.60	25.10	23.60	60.75	47.20	22.70	12.80	10.10	4.40		
20	11.00	25.10	16.70	33.60	25.10	27.50	55.00	30.20	22.10	12.20	8.90	4.40		
21	7.80	43.60	16.40	69.00	26.00	29.30	48.50	27.50	21.80	11.90	8.30	4.40		
22	7.00	143.35	16.10	54.00	40.00	23.30	44.80	26.90	21.20	11.60	8.00	4.40		
23	14.00	246.40	19.40	37.20	26.60	21.80	38.00	29.00	20.90	11.00	7.80	4.20		
24	8.30	88.25	17.90	34.00	24.80	21.50	39.20	27.80	20.30	11.00	6.60	5.60		
25	6.80	61.85	17.00	70.40	23.00	22.70	33.60	25.10	20.00	10.70	6.40	5.20		
26	8.30	41.60	16.10	45.20	23.30	20.30	32.80	30.80	19.40	11.00	6.20	5.80		
27	11.90	43.20	15.80	43.60	23.90	20.60	30.50	45.20	19.10	10.40	6.40	5.60		
28	9.50	42.80	15.50	44.00	29.30	32.80	27.80	35.60	18.80	10.10	6.20	4.60		
29	13.10	44.80	15.80	45.20	45.60	85.25	36.40	27.50	18.50	9.50		4.20		
30	12.80	37.60	14.90	36.40	27.80	43.20	28.70	24.80	17.90	9.20		4.20		
31		32.00		29.60	27.80		25.40		17.90	8.60		9.50		
Total	359.00	1538.90	650.80	1724.20	880.20	934.35	1304.85	924.20	1206.70	420.50	233.40	161.50	10338.60	CMSDAY
Mean	11.97	49.64	21.69	55.62	28.39	31.14	42.09	30.81	38.93	13.56	8.34	5.21	28.32	CMS
Max	34.40	246.40	47.60	179.90	45.60	85.25	165.00	67.90	246.40	21.80	17.00	9.50	246.40	CMS
Min	6.00	17.90	14.90	14.90	23.00	20.30	25.40	19.70	17.90	8.60	6.20	4.20	4.20	CMS
Runoff	31.02	132.96	56.23	148.97	76.05	80.73	112.74	79.85	104.26	36.33	20.17	13.95	893.26	MCM
Momentary Peak	665.15 CMS. at 23.63 m. (MSL.) at 13.00 Hours , on Dec 5, 2022													
Runoff Yield	45.25 Liters/Second/Square KM.				Momentary Peak Yield 1062.54 Liters/Second/Square KM.									

WATER YEAR : 2022

TAPI RIVER BASIN

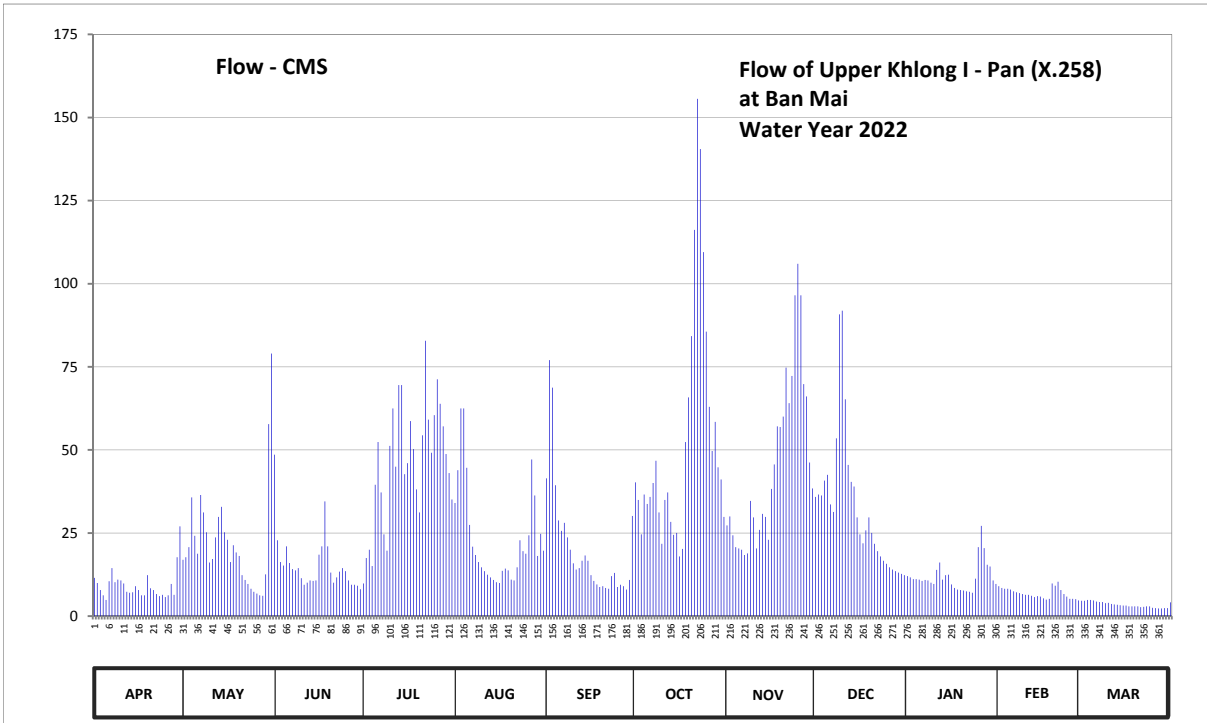
Upper Khlong I - Pan at Ban Mai , Surat Thani (X.258)

Lat 08 - 32 - 53 N Long 99 - 06 - 36 E

Location : on left bank at Ban Mai.

	Ban Mai	Amphoe Phrasaeng	Changwat Surat Thani
Drainge Area	1,044 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank downstream at the footpath	Elevation	+61.081 m. (MSL.)
Gage Reading Frequency	Recording.		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2007 to date		
Rating Operation			
Period of Rating	2007 to date		
Rated by Float	-		
Rated by Current Meter	2007 to date		
Stability of Channel Regimes	Stable because of backwater effect.		
Overbank Flow Conditions	Overbank flow starts at elevation + 56.770 m.(MSL.), records are channel flow only.		
General Description	Records fair. Stage-discharge relation defined by 19 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	51.28	51.69	53.74	51.15	52.87	53.34	53.27	52.42	52.99	51.32	51.09	50.75	
2	51.16	51.75	52.12	51.73	53.48	55.00	52.93	52.60	53.04	51.29	51.05	50.75	
3	51.00	51.98	51.64	51.92	54.40	54.67	52.24	52.22	53.02	51.25	51.03	50.77	
4	50.88	52.98	51.56	51.55	54.40	53.22	53.04	51.98	53.30	51.25	51.03	50.77	
5	50.77	52.21	52.00	53.23	53.52	52.52	52.85	51.95	53.40	51.24	51.01	50.76	
6	51.20	51.83	51.62	53.94	52.43	52.31	52.99	51.92	52.84	51.21	50.97	50.73	
7	51.50	53.03	51.48	53.08	51.99	52.47	53.26	51.80	52.69	51.23	50.95	50.72	
8	51.18	52.68	51.45	52.24	51.80	52.18	53.64	51.84	54.00	51.22	50.93	50.72	
9	51.24	52.28	51.50	51.90	51.64	51.92	52.68	52.91	55.52	51.17	50.91	50.69	
10	51.22	51.63	51.27	53.88	51.52	51.61	52.05	52.58	55.56	51.14	50.89	50.70	
11	51.15	51.71	51.12	54.40	51.43	51.47	52.93	51.95	54.52	51.46	50.89	50.67	
12	50.96	52.18	51.17	53.54	51.35	51.50	53.08	52.33	53.57	51.63	50.87	50.66	
13	50.94	52.59	51.22	54.70	51.29	51.67	52.49	52.65	53.28	51.24	50.84	50.65	
14	50.95	52.79	51.21	54.70	51.23	51.79	52.23	52.59	53.20	51.34	50.86	50.64	
15	51.09	52.28	51.22	53.41	51.18	51.67	52.27	52.13	52.58	51.35	50.85	50.63	
16	51.00	52.13	51.81	53.60	51.16	51.34	51.77	53.15	52.24	51.13	50.81	50.63	
17	50.88	51.64	52.00	54.23	51.44	51.21	51.94	53.58	52.06	51.05	50.78	50.61	
18	50.88	52.02	52.90	53.83	51.49	51.13	53.94	54.16	52.32	51.01	50.80	50.61	
19	51.34	51.86	52.00	53.14	51.45	51.07	55.58	54.15	52.58	51.00	51.15	50.61	
20	51.04	51.78	51.40	52.68	51.24	51.09	56.39	54.29	52.27	50.99	51.10	50.61	
21	51.00	51.34	51.17	54.04	51.22	51.05	57.22	54.91	52.05	50.97	51.19	50.59	
22	50.91	51.23	51.29	55.23	51.52	51.03	57.68	54.47	51.89	50.96	51.00	50.60	
23	50.86	51.14	51.42	54.25	52.12	51.32	57.55	55.90	51.77	50.94	50.91	50.61	
24	50.89	51.03	51.50	53.77	51.89	51.39	57.09	56.80	51.67	51.26	50.85	50.61	
25	50.84	50.96	51.43	54.31	51.83	51.07	56.44	57.02	51.60	51.98	50.80	50.57	
26	50.88	50.92	51.22	54.77	52.22	51.12	55.43	56.80	51.52	52.41	50.80	50.56	
27	51.14	50.88	51.12	54.46	53.66	51.09	54.70	55.79	51.47	51.96	50.79	50.55	
28	50.89	50.87	51.12	54.16	53.02	51.01	55.19	54.56	51.43	51.58	50.76	50.55	
29	51.75	51.36	51.10	53.75	51.78	51.23	54.38	53.61	51.40	51.54		50.56	
30	52.40	54.19	51.02	53.43	52.25	52.61	53.32	53.16	51.37	51.22		50.56	
31		55.08		52.94	51.90		52.59		51.34	51.14		50.71	
Mean	51.11	52.00	51.56	53.48	52.09	51.87	53.97	53.54	52.66	51.31	50.93	50.65	
Max	52.40	55.08	53.74	55.23	54.40	55.00	57.68	57.02	55.56	52.41	51.19	50.77	57.68
Min	50.77	50.87	51.02	51.15	51.16	51.01	51.77	51.80	51.34	50.94	50.76	50.55	50.55
Annual Max Momentary Gage Height	57.74		m. (MSL.) ,				at 19.00 Hours , on Oct 22, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	49.11	m. (MSL.)					
Left Bank Elevation		56.95	m. (MSL.) ,										
Right Bank Elevation		56.76	m. (MSL.) ,			Drainage Are	1,044	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	11.52	16.92	48.59	9.81	34.05	41.45	40.23	27.30	35.85	12.05	9.02	4.60		
2	9.94	17.71	22.80	17.45	43.90	77.00	34.95	30.00	36.60	11.65	8.49	4.60		
3	7.83	20.74	16.26	19.95	62.50	68.75	24.60	24.30	36.30	11.13	8.23	4.84		
4	6.25	35.70	15.21	15.08	62.50	39.35	36.60	20.74	40.75	11.13	8.23	4.84		
5	4.84	24.15	21.00	39.53	44.60	28.80	33.75	20.34	42.50	10.99	7.97	4.72		
6	10.47	18.76	16.00	52.36	27.45	25.65	35.85	19.95	33.60	10.60	7.44	4.36		
7	14.42	36.45	14.15	37.20	20.87	28.05	40.05	18.37	31.35	10.86	7.18	4.24		
8	10.20	31.20	13.76	24.60	18.37	23.70	46.74	18.89	53.50	10.73	6.91	4.24		
9	10.99	25.20	14.42	19.68	16.26	19.95	31.20	34.65	90.80	10.07	6.65	3.88		
10	10.73	16.13	11.39	51.22	14.68	15.87	21.75	29.70	91.90	9.68	6.39	4.00		
11	9.81	17.18	9.41	62.50	13.50	14.02	34.95	20.34	65.20	13.89	6.39	3.64		
12	7.31	23.70	10.07	44.95	12.44	14.42	37.20	25.95	45.48	16.13	6.12	3.52		
13	7.04	29.85	10.73	69.50	11.65	16.66	28.35	30.75	40.40	10.99	5.73	3.40		
14	7.18	32.85	10.60	69.50	10.86	18.24	24.45	29.85	39.00	12.31	5.99	3.28		
15	9.02	25.20	10.73	42.68	10.20	16.66	25.05	22.95	29.70	12.44	5.86	3.16		
16	7.83	22.95	18.50	46.00	9.94	12.31	17.97	38.25	24.60	9.55	5.33	3.16		
17	6.25	16.26	21.00	58.68	13.63	10.60	20.21	45.65	21.90	8.49	4.96	2.92		
18	6.25	21.30	34.50	50.27	14.29	9.55	52.36	57.10	25.80	7.97	5.20	2.92		
19	12.31	19.16	21.00	38.10	13.76	8.76	65.82	56.88	29.70	7.83	9.81	2.92		
20	8.36	18.10	13.10	31.20	10.99	9.02	84.25	60.03	25.05	7.70	9.15	2.92		
21	7.83	12.31	10.07	54.40	10.73	8.49	116.20	74.75	21.75	7.44	10.34	2.70		
22	6.65	10.86	11.65	82.83	14.68	8.23	155.63	64.08	19.55	7.31	7.83	2.80		
23	5.99	9.68	13.36	59.13	22.80	12.05	140.50	72.25	17.97	7.04	6.65	2.92		
24	6.39	8.23	14.42	49.15	19.55	12.97	109.50	96.50	16.66	11.26	5.86	2.92		
25	5.73	7.31	13.50	60.48	18.76	8.76	85.60	106.00	15.73	20.74	5.20	2.50		
26	6.25	6.78	10.73	71.25	24.30	9.41	62.97	96.50	14.68	27.15	5.20	2.40		
27	9.68	6.25	9.41	63.85	47.11	9.02	49.65	69.81	14.02	20.47	5.08	2.30		
28	6.39	6.12	9.41	57.10	36.30	7.97	58.42	66.10	13.50	15.47	4.72	2.30		
29	17.71	12.57	9.15	48.78	18.10	10.86	44.74	46.19	13.10	14.94		2.40		
30	27.00	57.78	8.10	43.03	24.75	30.15	41.10	38.40	12.71	10.73		2.40		
31		79.00		35.10	19.68		29.85		12.31	9.68		4.12		
Total	278.17	686.40	463.02	1425.36	723.20	616.72	1630.49	1362.57	1011.96	368.42	191.93	105.92	8864.16	CMSDAY
Mean	9.27	22.14	15.43	45.98	23.33	20.56	52.60	45.42	32.64	11.88	6.85	3.42	24.29	CMS
Max	27.00	79.00	48.59	82.83	62.50	77.00	155.63	106.00	91.90	27.15	10.34	4.84	155.63	CMS
Min	4.84	6.12	8.10	9.81	9.94	7.97	17.97	18.37	12.31	7.04	4.72	2.30	2.30	CMS
Runoff	24.03	59.30	40.00	123.15	62.48	53.28	140.87	117.73	87.43	31.83	16.58	9.15	765.86	MCM
Momentary Peak	163.60 CMS. at 57.74 m. (MSL.) at 19:00 Hours , on Oct 22, 2022													
Runoff Yield	23.26	Liters/Second/Square KM.				Momentary Peak Yield		156.70	Liters/Second/Square KM.					

WATER YEAR : 2022**PENINSULA - UPPER EAST COAST BASIN****Lower Khlong I - Pan at Ban Aphot, Surat Thani (X.260)**

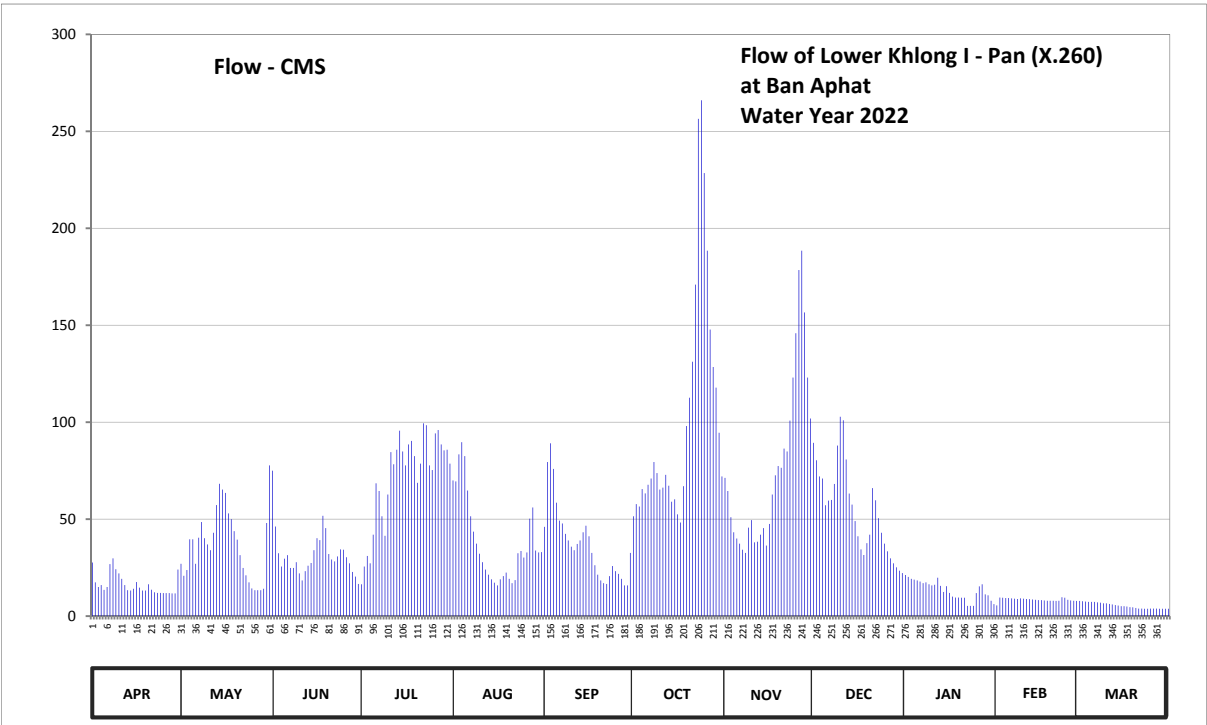
Lat 08 - 32 - 37 N Long 99 - 13 - 24 E

Location : on right bank of stream.

	Ban Aphot	Amphoe Phrasaeng	Changwat Surat Thani
Drainage Area	2,027 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+3.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank downstream at the footpath	Elevation	+13.658 m. (MSL.)
Gage Reading Frequency	Recording.		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2007 to date		
Rating Operation			
Period of Rating	2007 to date		
Rated by Float	-		
Rated by Current Meter	2007 to date		
Stability of Channel Regimes	Stable because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 19 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.83	6.80	8.90	6.27	8.72	7.75	7.98	8.77	9.38	6.51	5.85	5.72	
2	6.32	6.49	7.76	6.73	8.70	9.05	8.23	8.50	9.08	6.46	5.84	5.71	
3	6.20	6.64	7.07	7.00	9.18	9.37	8.18	7.96	8.80	6.41	5.83	5.70	
4	6.25	7.43	6.73	6.81	9.39	8.93	8.54	7.61	8.76	6.39	5.82	5.69	
5	6.10	7.43	6.93	7.55	9.15	8.26	8.45	7.45	9.14	6.37	5.82	5.69	
6	6.20	6.80	7.02	8.66	8.51	7.89	8.63	7.32	9.22	6.34	5.81	5.69	
7	6.79	7.47	6.69	8.50	7.98	7.83	8.76	7.16	9.23	6.30	5.80	5.67	
8	6.94	7.86	6.69	7.98	7.63	7.57	9.05	7.08	9.49	6.32	5.79	5.66	
9	6.66	7.46	6.84	7.52	7.32	7.40	8.86	7.73	10.00	6.27	5.81	5.64	
10	6.55	7.30	6.55	8.43	7.06	7.24	8.53	7.90	10.28	6.24	5.80	5.64	
11	6.41	7.15	6.37	9.22	6.84	7.15	8.57	7.35	10.25	6.26	5.79	5.62	
12	6.25	7.60	6.61	9.01	6.65	7.31	8.83	7.37	9.84	6.44	5.78	5.60	
13	6.09	8.21	6.75	9.26	6.52	7.40	8.61	7.55	9.34	6.23	5.77	5.58	
14	6.08	8.65	6.82	9.56	6.40	7.61	8.28	7.72	9.15	6.03	5.76	5.56	
15	6.14	8.53	7.15	9.23	6.31	7.78	8.33	7.27	8.84	6.22	5.75	5.54	
16	6.33	8.46	7.46	8.99	6.24	7.51	8.02	7.82	8.46	6.00	5.75	5.54	
17	6.18	8.04	7.41	9.35	6.40	7.08	7.85	8.43	8.12	5.87	5.74	5.53	
18	6.08	7.92	7.99	9.41	6.48	6.76	8.60	8.82	7.97	5.84	5.73	5.51	
19	6.08	7.64	7.72	9.15	6.57	6.52	9.63	8.98	8.28	5.84	5.73	5.50	
20	6.27	7.42	7.05	8.67	6.41	6.37	10.04	8.95	8.50	5.83	5.73	5.48	
21	6.11	7.02	6.91	9.02	6.30	6.30	10.44	9.28	8.56	5.83	5.72	5.46	
22	6.02	6.69	6.86	9.67	6.38	6.28	11.00	9.23	8.31	5.83	5.73	5.46	
23	6.00	6.50	6.99	9.64	7.07	6.48	11.58	9.71	7.94	5.83	5.85	5.45	
24	6.00	6.32	7.17	8.99	7.13	6.74	11.63	10.28	7.60	5.83	5.83	5.45	
25	5.99	6.15	7.16	8.91	6.96	6.61	11.42	10.69	7.32	6.49	5.76	5.46	
26	5.99	6.09	6.97	9.52	7.09	6.54	11.14	11.06	7.12	6.83	5.74	5.46	
27	5.99	6.09	6.81	9.57	7.93	6.41	10.72	11.14	6.94	6.92	5.73	5.46	
28	5.98	6.09	6.59	9.35	8.16	6.24	10.39	10.84	6.81	6.42	5.72	5.45	
29	5.98	6.14	6.47	9.25	7.14	6.24	10.17	10.28	6.71	6.37		5.45	
30	6.65	7.84	6.28	9.26	7.09	7.08	9.53	9.74	6.62	6.09		5.45	
31		8.99		9.02	7.10		8.80		6.56	5.92		5.45	
Mean	6.25	7.27	7.02	8.69	7.32	7.26	9.32	8.67	8.47	6.21	5.78	5.56	
Max	6.94	8.99	8.90	9.67	9.39	9.37	11.63	11.14	10.28	6.92	5.85	5.72	11.63
Min	5.98	6.09	6.28	6.27	6.24	6.24	7.85	7.08	6.56	5.83	5.72	5.45	5.45
Annual Max Momentary Gage Height	11.69		m. (MSL.) ,				at 24.00 Hours , on Oct 23, 2022						
Zero Gage at Bottom Elevation		3.00	m. (MSL.) ,			River Bed	3.04	m. (MSL.)					
Left Bank Elevation		12.04	m. (MSL.) ,										
Right Bank Elevation		12.41	m. (MSL.) ,			Drainage Are	2,027	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	27.60	27.00	75.00	16.40	70.00	46.00	51.50	71.25	89.40	21.20	5.50	7.80		
2	17.40	20.80	46.20	25.60	69.50	79.50	57.75	64.50	80.40	20.20	9.60	7.65		
3	15.00	23.80	32.40	31.00	83.40	89.10	56.50	51.00	72.00	19.20	9.45	7.50		
4	16.00	39.60	25.60	27.20	89.70	75.90	65.50	43.20	71.00	18.80	9.30	7.35		
5	13.50	39.60	29.60	42.00	82.50	58.50	63.25	40.00	57.20	18.40	9.30	7.35		
6	15.00	27.00	31.40	68.50	64.75	49.25	67.75	37.40	59.60	17.80	9.15	7.35		
7	26.80	40.40	24.80	64.50	51.50	47.75	71.00	34.20	59.90	17.00	9.00	7.05		
8	29.80	48.50	24.80	51.50	43.60	42.40	79.50	32.60	68.15	17.40	8.85	6.90		
9	24.20	40.20	27.80	41.40	37.40	39.00	73.80	45.60	88.00	16.40	9.15	6.60		
10	22.00	37.00	22.00	62.75	32.20	35.80	65.25	49.50	102.80	15.80	9.00	6.60		
11	19.20	34.00	18.40	84.60	27.80	34.00	66.25	38.00	101.00	16.20	8.85	6.30		
12	16.00	43.00	23.20	78.30	24.00	37.20	72.90	38.40	80.80	19.80	8.70	6.00		
13	13.35	57.25	26.00	85.80	21.40	39.00	67.25	42.00	63.20	15.60	8.55	5.70		
14	13.20	68.25	27.40	95.60	19.00	43.20	59.00	45.40	57.50	12.45	8.40	5.40		
15	14.10	65.25	34.00	84.90	17.20	46.60	60.25	36.40	49.00	15.40	8.25	5.10		
16	17.60	63.50	40.20	77.70	15.80	41.20	52.50	47.50	41.20	12.00	8.25	5.10		
17	14.70	53.00	39.20	88.50	19.00	32.60	48.25	62.75	34.40	10.05	8.10	4.95		
18	13.20	50.00	51.75	90.35	20.60	26.20	67.00	72.60	31.55	9.60	7.95	4.65		
19	13.20	43.80	45.40	82.50	22.40	21.40	98.05	77.40	37.60	9.60	7.95	4.50		
20	16.40	39.40	32.00	68.75	19.20	18.40	112.60	76.50	42.00	9.45	7.95	4.20		
21	13.65	31.40	29.20	78.60	17.00	17.00	131.20	86.40	66.00	9.45	7.80	3.90		
22	12.30	24.80	28.20	99.45	18.60	16.60	171.00	84.90	59.75	5.30	7.95	3.90		
23	12.00	21.00	30.80	98.40	32.40	20.60	256.50	100.85	50.50	5.30	9.75	3.75		
24	12.00	17.40	34.40	77.70	33.60	25.80	266.00	123.00	43.00	5.30	9.45	3.75		
25	11.85	14.25	34.20	75.30	30.20	23.20	228.50	145.85	37.40	11.90	8.40	3.90		
26	11.85	13.35	30.40	94.20	32.80	21.80	188.50	178.50	33.40	15.36	8.10	3.90		
27	11.85	13.35	27.20	95.95	50.25	19.20	147.80	188.50	29.80	16.44	7.95	3.90		
28	11.70	13.35	22.80	88.50	56.00	15.80	128.50	156.60	27.20	11.20	7.80	3.75		
29	11.70	14.10	20.40	85.50	33.80	15.80	117.80	123.00	25.20	10.70		3.75		
30	24.00	48.00	16.60	85.80	32.80	32.60	94.55	101.90	23.40	7.90		3.75		
31		77.70		78.60	33.00		72.00		22.20	6.20		3.75		
Total	491.15	1150.05	951.35	2225.85	1201.40	1111.40	3158.20	2295.70	1704.55	417.40	238.45	166.05	15111.55	CMSDAY
Mean	16.37	37.10	31.71	71.80	38.75	37.05	101.88	76.52	54.99	13.46	8.52	5.36	41.40	CMS
Max	29.80	77.70	75.00	99.45	89.70	89.10	266.00	188.50	102.80	21.20	9.75	7.80	266.00	CMS
Min	11.70	13.35	16.60	16.40	15.80	15.80	48.25	32.60	22.20	5.30	5.50	3.75	3.75	CMS
Runoff	42.44	99.36	82.20	192.31	103.80	96.02	272.87	198.35	147.27	36.06	20.60	14.35	1305.64	MCM
Momentary Peak	278.00 CMS. at 11.69 m. (MSL.) at 24.00 Hours , on Oct 23, 2022													
Runoff Yield	20.42	Liters/Second/Square KM.			Momentary Peak Yield		137.15	Liters/Second/Square KM.						

WATER YEAR : 2022**THALE SAP SONGKHLA****Khlong U - Taphao at Ban Hat Yai Nai , Songkhla (X.44)**

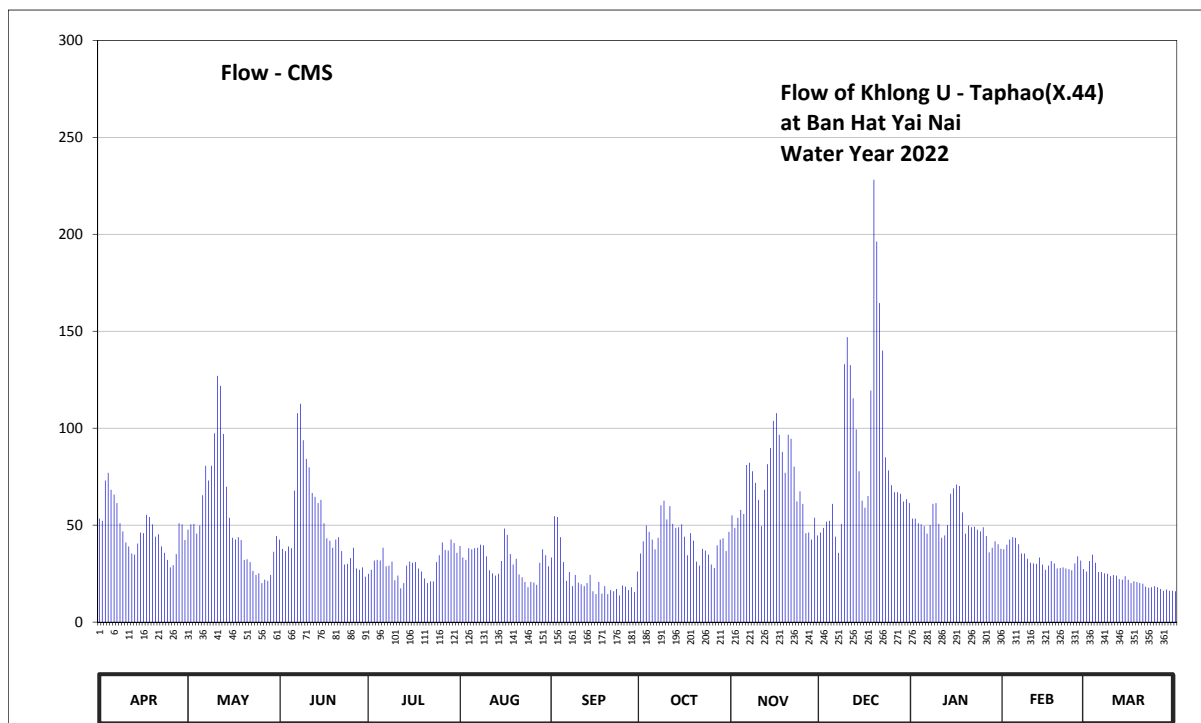
Lat 07 - 00 - 08 N Long 100 - 27 - 22 E

Location : on left bank at the bridge of Hat Yai - Rattaphum Highway.

	Ban	Hat Yai Nai	Amphoe	Hat Yai	Changwat	Songkhla
Drainage Area	1,702	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	on left bank downstream site at the footpath of the bridge.				Elevation	+8.884 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1967 to date					
Rating Operation						
Period of Rating	1967 - 1972 , 1983 - 1988 , 1999 to date					
Rated by Float	-					
Rated by Current Meter	1967 - 1972 , 1983 - 1988 , 1999 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 25 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.46	1.29	1.12	0.53	1.01	0.81	0.88	1.50	1.24	1.46	0.95	0.57	
2	1.43	1.38	0.96	0.60	0.81	1.49	1.09	1.32	1.32	1.46	1.03	0.75	
3	1.95	1.39	0.92	0.76	0.77	1.48	1.36	1.47	1.42	1.40	1.12	0.86	
4	2.05	1.22	1.00	0.77	0.97	1.16	1.25	1.57	1.43	1.38	1.16	0.72	
5	1.83	1.36	0.97	0.76	0.95	0.73	1.12	1.52	1.65	1.35	1.15	0.56	
6	1.77	1.76	1.82	0.98	0.97	0.41	0.95	2.15	1.17	1.22	1.04	0.56	
7	1.66	2.14	2.82	0.66	0.98	0.56	1.15	2.18	0.89	1.37	0.88	0.54	
8	1.40	1.95	2.94	0.67	1.03	0.32	1.63	2.07	1.39	1.65	0.88	0.53	
9	1.26	2.14	2.47	0.74	1.02	0.51	1.69	1.92	3.40	1.66	0.79	0.49	
10	1.07	2.56	2.23	0.42	0.83	0.38	1.45	1.70	3.68	1.39	0.72	0.51	
11	1.00	3.28	2.12	0.50	0.59	0.35	1.62	1.35	3.39	1.15	0.71	0.50	
12	0.88	3.17	1.79	0.28	0.54	0.32	1.39	1.83	3.01	1.19	0.70	0.44	
13	0.86	2.55	1.74	0.37	0.50	0.37	1.32	2.16	2.61	1.37	0.81	0.43	
14	1.05	1.87	1.66	0.67	0.53	0.51	1.33	2.37	2.07	1.78	0.69	0.49	
15	1.24	1.47	1.70	0.74	0.75	0.23	1.38	2.72	1.69	1.85	0.60	0.43	
16	1.23	1.15	1.40	0.72	1.31	0.18	1.17	2.82	1.60	1.90	0.67	0.37	
17	1.51	1.12	1.14	0.73	1.20	0.39	0.85	2.54	1.75	1.88	0.75	0.40	
18	1.48	1.16	1.10	0.62	0.87	0.19	1.23	2.32	3.11	1.54	0.71	0.39	
19	1.38	1.11	0.98	0.57	0.69	0.32	1.10	2.05	4.99	1.22	0.62	0.37	
20	1.17	0.77	1.12	0.45	0.79	0.18	0.74	2.54	4.56	1.36	0.63	0.36	
21	1.21	0.78	1.16	0.37	0.52	0.25	0.67	2.49	4.03	1.33	0.64	0.31	
22	1.00	0.73	0.92	0.40	0.47	0.23	0.96	2.13	3.54	1.34	0.62	0.29	
23	0.89	0.58	0.69	0.40	0.39	0.27	0.93	1.68	2.25	1.29	0.61	0.30	
24	0.77	0.51	0.70	0.73	0.30	0.16	0.86	1.81	2.08	1.26	0.59	0.32	
25	0.64	0.54	0.80	0.85	0.39	0.33	0.69	1.65	1.89	1.33	0.71	0.30	
26	0.68	0.37	0.98	1.07	0.38	0.31	0.63	1.23	1.80	1.18	0.83	0.27	
27	0.87	0.43	0.62	0.94	0.34	0.25	1.02	1.24	1.80	0.90	0.76	0.24	
28	1.40	0.41	0.60	0.93	0.72	0.30	1.12	1.12	1.78	0.98	0.61	0.26	
29	1.38	0.51	0.64	1.12	0.95	0.22	1.14	1.47	1.68	1.09		0.24	
30	1.11	0.91	0.48	1.06	0.85	0.57	0.92	1.19	1.71	1.04		0.24	
31		1.18		0.89	0.66		1.25		1.66	0.96		0.23	
Mean	1.25	1.35	1.32	0.69	0.74	0.46	1.13	1.87	2.28	1.36	0.79	0.43	
Max	2.05	3.28	2.94	1.12	1.31	1.49	1.69	2.82	4.99	1.90	1.16	0.86	4.99
Min	0.64	0.37	0.48	0.28	0.30	0.16	0.63	1.12	0.89	0.90	0.59	0.23	0.16
Annual Max Momentary Gage Height	5.16		m. (MSL.) ,				at 17.00 Hours , on Dec 19, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	-2.29	m. (MSL.)					
Left Bank Elevation		7.40	m. (MSL.) ,										
Right Bank Elevation		8.30	m. (MSL.) ,			Drainage Are	1,702	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	53.40	47.70	42.60	24.90	39.30	33.30	35.40	55.00	46.20	53.40	37.50	26.10		
2	52.20	50.40	37.80	27.00	33.30	54.60	41.70	48.60	48.60	53.40	39.90	31.50		
3	73.00	50.70	36.60	31.80	32.10	54.20	49.80	53.80	51.80	51.00	42.60	34.80		
4	77.00	45.60	39.00	32.10	38.10	43.80	46.50	57.80	52.20	50.40	43.80	30.60		
5	68.20	49.80	38.10	31.80	37.50	30.90	42.60	55.80	61.00	49.50	43.50	25.80		
6	65.80	65.40	67.80	38.40	38.10	21.30	37.50	81.00	44.10	45.60	40.20	25.80		
7	61.40	80.60	107.80	28.80	38.40	25.80	43.50	82.20	35.70	50.10	35.40	25.20		
8	51.00	73.00	112.60	29.10	39.90	18.60	60.20	77.80	50.70	61.00	35.40	24.90		
9	46.80	80.60	93.80	31.20	39.60	24.30	62.60	71.80	133.00	61.40	32.70	23.70		
10	41.10	97.40	84.20	21.60	33.90	20.40	53.00	63.00	147.00	50.70	30.60	24.30		
11	39.00	127.00	79.80	24.00	26.70	19.50	59.80	49.50	132.50	43.50	30.30	24.00		
12	35.40	121.80	66.60	17.40	25.20	18.60	50.70	68.20	115.40	44.70	30.00	22.20		
13	34.80	97.00	64.60	20.10	24.00	20.10	48.60	81.40	99.40	50.10	33.30	21.90		
14	40.50	69.80	61.40	29.10	24.90	24.30	48.90	89.80	77.80	66.20	29.70	23.70		
15	46.20	53.80	63.00	31.20	31.50	15.90	50.40	103.80	62.60	69.00	27.00	21.90		
16	45.90	43.50	51.00	30.60	48.30	14.40	44.10	107.80	59.00	71.00	29.10	20.10		
17	55.40	42.60	43.20	30.90	45.00	20.70	34.50	96.60	65.00	70.20	31.50	21.00		
18	54.20	43.80	42.00	27.60	35.10	14.70	45.90	87.80	119.40	56.60	30.30	20.70		
19	50.40	42.30	38.40	26.10	29.70	18.60	42.00	77.00	228.20	45.60	27.60	20.10		
20	44.10	32.10	42.60	22.50	32.70	14.40	31.20	96.60	196.20	49.80	27.90	19.80		
21	45.30	32.40	43.80	20.10	24.60	16.50	29.10	94.60	164.50	48.90	28.20	18.30		
22	39.00	30.90	36.60	21.00	23.10	15.90	37.80	80.20	140.00	49.20	27.60	17.70		
23	35.70	26.40	29.70	21.00	20.70	17.10	36.90	62.20	85.00	47.70	27.30	18.00		
24	32.10	24.30	30.00	30.90	18.00	13.80	34.80	67.40	78.20	46.80	26.70	18.60		
25	28.20	25.20	33.00	34.50	20.70	18.90	29.70	61.00	70.60	48.90	30.30	18.00		
26	29.40	20.10	38.40	41.10	20.40	18.30	27.90	45.90	67.00	44.40	33.90	17.10		
27	35.10	21.90	27.60	37.20	19.20	16.50	39.60	46.20	67.00	36.00	31.80	16.20		
28	51.00	21.30	27.00	36.90	30.60	18.00	42.60	42.60	66.20	38.40	27.30	16.80		
29	50.40	24.30	28.20	42.60	37.50	15.60	43.20	53.80	62.20	41.70		16.20		
30	42.30	36.30	23.40	40.80	34.50	26.10	36.60	44.70	63.40	40.20		16.20		
31		44.40		35.70	28.80		46.50		61.40	37.80		15.90		
Total	1424.30	1622.40	1530.60	918.00	971.40	685.10	1333.60	2103.90	2751.30	1573.20	911.40	677.10	16502.30	CMSDAY
Mean	47.48	52.34	51.02	29.61	31.34	22.84	43.02	70.13	88.75	50.75	32.55	21.84	45.21	CMS
Max	77.00	127.00	112.60	42.60	48.30	54.60	62.60	107.80	228.20	71.00	43.80	34.80	228.20	CMS
Min	28.20	20.10	23.40	17.40	18.00	13.80	27.90	42.60	35.70	36.00	26.70	15.90	13.80	CMS
Runoff	123.06	140.18	132.24	79.32	83.93	59.19	115.22	181.78	237.71	135.92	78.74	58.50	1425.80	MCM
Momentary Peak	245.00 CMS. at 5.16 m. (MSL.) at 17.00 Hours , on Dec 19, 2022													
Runoff Yield	26.56	Liters/Second/Square KM.				Momentary Peak Yield				143.95	Liters/Second/Square KM.			

WATER YEAR : 2022**THALE SAP SONGKHLA****Khlong Ratthaphum at Ban Nasithong , Songkhla (X.67A)**

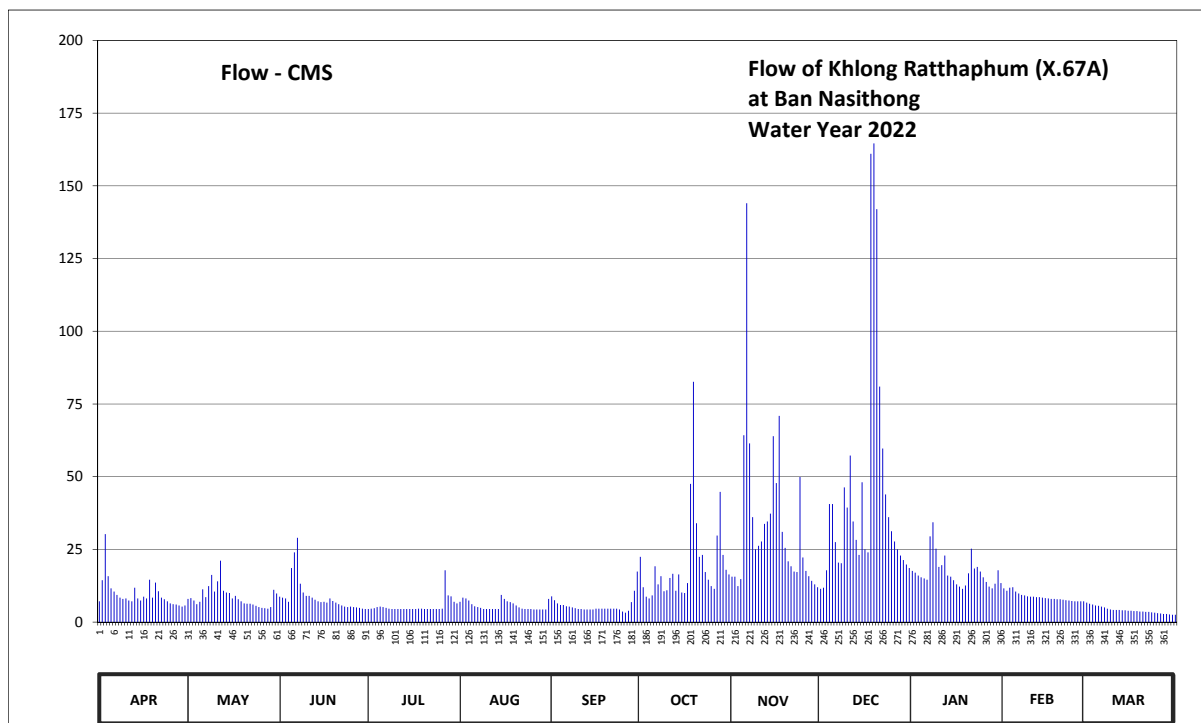
Lat 07 - 06 - 50 N Long 100 - 12 - 16 E

Location : on right bank at Ban Nasithong.

	Ban	Nasithong	Amphoe	Ratthaphum	Changwat	Songkhla
Drainge Area	257	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (A.D.)				
Bench Mark	B.M.-H.D.					
Location BM	beside the station sign.				Elevation	+5.845 m. (A.D.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2006 to date					
Rating Operation						
Period of Rating	2006 to date					
Rated by Float	-					
Rated by Current Meter	2006 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 23 discharge measurements made in 2022.					

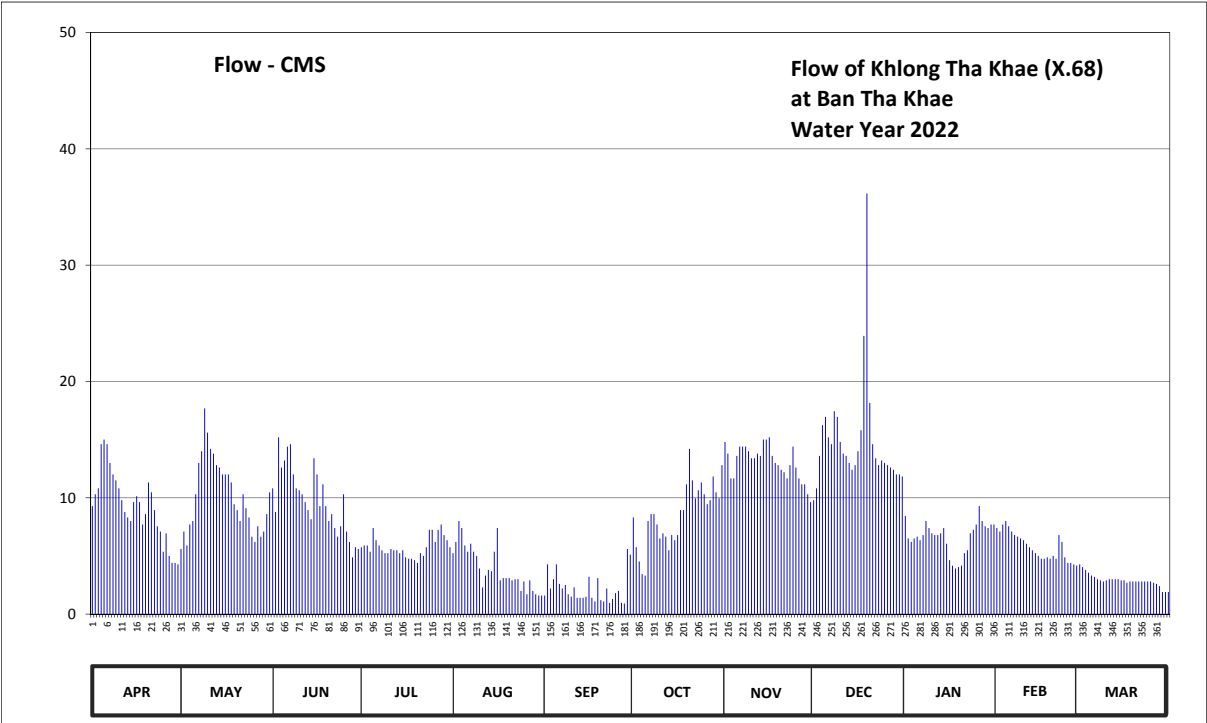
Gage Height in Meter (A.D.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.11	0.17	0.22	-0.08	0.10	0.23	0.93	0.60	0.39	0.70	0.40	0.08	
2	0.54	0.19	0.20	-0.07	0.20	0.14	0.42	0.60	0.41	0.67	0.35	0.05	
3	1.25	0.13	0.18	-0.06	0.18	0.06	0.22	0.44	0.71	0.62	0.41	0.03	
4	0.61	0.04	0.10	-0.03	0.13	0.02	0.18	0.56	1.62	0.59	0.42	0.01	
5	0.40	0.10	0.75	-0.02	0.04	0.02	0.25	2.35	1.62	0.57	0.33	0.00	
6	0.33	0.38	1.00	-0.03	-0.01	-0.01	0.78	4.16	1.14	0.55	0.29	-0.02	
7	0.26	0.21	1.20	-0.05	-0.03	-0.02	0.47	2.27	0.84	1.22	0.26	-0.04	
8	0.20	0.44	0.48	-0.07	-0.05	-0.04	0.61	1.47	0.83	1.41	0.25	-0.07	
9	0.17	0.63	0.31	-0.08	-0.08	-0.06	0.34	1.04	1.81	1.05	0.23	-0.09	
10	0.18	0.33	0.24	-0.08	-0.08	-0.08	0.36	1.09	1.58	0.77	0.22	-0.10	
11	0.13	0.52	0.24	-0.08	-0.08	-0.08	0.58	1.15	2.15	0.80	0.22	-0.10	
12	0.11	0.87	0.20	-0.08	-0.08	-0.09	0.65	1.39	1.42	0.95	0.21	-0.10	
13	0.41	0.35	0.15	-0.08	-0.08	-0.09	0.35	1.42	1.17	0.62	0.21	-0.11	
14	0.18	0.31	0.11	-0.08	-0.08	-0.09	0.64	1.51	0.96	0.60	0.20	-0.11	
15	0.13	0.30	0.09	-0.08	0.26	-0.09	0.31	2.34	1.87	0.54	0.19	-0.12	
16	0.22	0.18	0.10	-0.08	0.17	-0.07	0.30	1.86	1.04	0.47	0.18	-0.12	
17	0.18	0.24	0.08	-0.08	0.11	-0.07	0.49	2.54	1.00	0.43	0.17	-0.13	
18	0.55	0.16	0.18	-0.07	0.09	-0.07	1.85	1.28	4.45	0.39	0.17	-0.13	
19	0.20	0.11	0.12	-0.07	0.06	-0.07	2.84	1.06	4.51	0.45	0.16	-0.14	
20	0.50	0.06	0.08	-0.08	0.01	-0.07	1.40	0.86	4.12	0.66	0.16	-0.14	
21	0.34	0.05	0.04	-0.08	-0.04	-0.07	0.93	0.78	2.80	1.05	0.15	-0.15	
22	0.20	0.05	0.01	-0.08	-0.07	-0.07	0.96	0.69	2.22	0.74	0.14	-0.15	
23	0.16	0.03	-0.02	-0.08	-0.08	-0.07	0.68	0.68	1.73	0.77	0.13	-0.16	
24	0.11	0.00	-0.03	-0.08	-0.08	-0.09	0.55	1.93	1.47	0.69	0.12	-0.17	
25	0.06	-0.03	-0.02	-0.08	-0.08	-0.14	0.44	0.92	1.29	0.59	0.11	-0.18	
26	0.04	-0.05	-0.03	-0.07	-0.09	-0.17	0.39	0.70	1.15	0.51	0.11	-0.19	
27	0.03	-0.06	-0.04	0.71	-0.09	-0.12	1.23	0.61	1.04	0.43	0.11	-0.20	
28	0.01	-0.07	-0.05	0.25	-0.09	0.09	1.76	0.53	0.95	0.40	0.11	-0.20	
29	-0.02	-0.03	-0.07	0.23	-0.09	0.35	0.96	0.47	0.88	0.48		-0.21	
30	0.01	0.37	-0.08	0.10	-0.09	0.69	0.72	0.42	0.81	0.71		-0.22	
31		0.29		0.06	0.17		0.64		0.75	0.49		-0.22	
Mean	0.25	0.20	0.19	-0.02	0.00	0.00	0.75	1.26	1.57	0.67	0.21	-0.11	
Max	1.25	0.87	1.20	0.71	0.26	0.69	2.84	4.16	4.51	1.41	0.42	0.08	4.51
Min	-0.02	-0.07	-0.08	-0.08	-0.09	-0.17	0.18	0.42	0.39	0.39	0.11	-0.22	-0.22
Annual Max Momentary Gage Height	5.58		m. (A.D.) ,				at 21.00 Hours , on Dec 18, 2022						
Zero Gage at Bottom Elevation	0.00		m. (A.D.) ,			River Bed	-0.80	m. (A.D.)					
Left Bank Elevation	6.28		m. (A.D.) ,										
Right Bank Elevation	6.29		m. (A.D.) ,			Drainage Are	257	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	7.14	7.98	8.72	4.48	7.00	8.88	22.46	15.60	11.44	17.60	11.60	6.72		
2	14.40	8.26	8.40	4.62	8.40	7.56	12.00	15.60	11.80	17.00	10.80	6.30		
3	30.25	7.42	8.12	4.76	8.12	6.44	8.72	12.40	17.80	16.00	11.80	6.02		
4	15.80	6.16	7.00	5.18	7.42	5.88	8.12	14.80	40.60	15.40	12.00	5.74		
5	11.60	7.00	18.60	5.32	6.16	5.88	9.20	64.25	40.60	15.00	10.48	5.60		
6	10.48	11.28	24.00	5.18	5.46	5.46	19.20	144.00	27.50	14.60	9.84	5.32		
7	9.36	8.56	29.00	4.90	5.18	5.32	13.00	61.45	20.48	29.50	9.36	5.04		
8	8.40	12.40	13.20	4.62	4.90	5.04	15.80	36.10	20.26	34.30	9.20	4.62		
9	7.98	16.20	10.16	4.48	4.48	4.76	10.64	25.00	46.30	25.25	8.88	4.34		
10	8.12	10.48	9.04	4.48	4.48	4.48	10.96	26.25	39.40	19.00	8.72	4.20		
11	7.42	14.00	9.04	4.48	4.48	4.48	15.20	27.75	57.25	19.60	8.72	4.20		
12	7.14	21.14	8.40	4.48	4.48	4.34	16.60	33.75	34.60	22.90	8.56	4.20		
13	11.80	10.80	7.70	4.48	4.48	4.34	10.80	34.60	28.25	16.00	8.56	4.06		
14	8.12	10.16	7.14	4.48	4.48	4.34	16.40	37.30	23.12	15.60	8.40	4.06		
15	7.42	10.00	6.86	4.48	9.36	4.34	10.16	63.90	48.10	14.40	8.26	3.92		
16	8.72	8.12	7.00	4.48	7.98	4.62	10.00	47.80	25.00	13.00	8.12	3.92		
17	8.12	9.04	6.72	4.48	7.14	4.62	13.40	70.90	24.00	12.20	7.98	3.78		
18	14.60	7.84	8.12	4.62	6.86	4.62	47.50	31.00	161.00	11.44	7.98	3.78		
19	8.40	7.14	7.28	4.62	6.44	4.62	82.60	25.50	164.60	12.60	7.84	3.64		
20	13.60	6.44	6.72	4.48	5.74	4.62	34.00	20.92	142.00	16.80	7.84	3.64		
21	10.64	6.30	6.16	4.48	5.04	4.62	22.46	19.20	81.00	25.25	7.70	3.50		
22	8.40	6.30	5.74	4.48	4.62	4.62	23.12	17.40	59.70	18.40	7.56	3.50		
23	7.84	6.02	5.32	4.48	4.48	4.62	17.20	17.20	43.90	19.00	7.42	3.36		
24	7.14	5.60	5.18	4.48	4.48	4.34	14.60	49.90	36.10	17.40	7.28	3.22		
25	6.44	5.18	5.32	4.48	4.48	3.64	12.40	22.24	31.25	15.40	7.14	3.08		
26	6.16	4.90	5.18	4.62	4.34	3.22	11.44	17.60	27.75	13.80	7.14	2.94		
27	6.02	4.76	5.04	17.80	4.34	3.92	29.75	15.80	25.00	12.20	7.14	2.80		
28	5.74	4.62	4.90	9.20	4.34	6.86	44.80	14.20	22.90	11.60	7.14	2.80		
29	5.32	5.18	4.62	8.88	4.34	10.80	23.12	13.00	21.36	13.20		2.66		
30	5.74	11.12	4.48	7.00	4.34	17.40	18.00	12.00	19.82	17.80		2.52		
31		9.84		6.44	7.98		16.40		18.60	13.40		2.52		
Total	288.31	270.24	263.16	169.44	175.82	168.68	620.05	1007.41	1371.48	535.64	243.46	126.00	5239.69	CMSDAY
Mean	9.61	8.72	8.77	5.47	5.67	5.62	20.00	33.58	44.24	17.28	8.69	4.06	14.36	CMS
Max	30.25	21.14	29.00	17.80	9.36	17.40	82.60	144.00	164.60	34.30	12.00	6.72	164.60	CMS
Min	5.32	4.62	4.48	4.48	4.34	3.22	8.12	12.00	11.44	11.44	7.14	2.52	2.52	CMS
Runoff	24.91	23.35	22.74	14.64	15.19	14.57	53.57	87.04	118.50	46.28	21.03	10.89	452.71	MCM
Momentary Peak		229.70	CMS. at 5.58 m. (A.D.) at 21.00 Hours , on Dec 18, 2022											
Runoff Yield		55.76	Liters/Second/Square KM.			Momentary Peak Yield	892.14		Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	9.28	5.60	10.81	5.75	5.24	1.60	8.30	14.80	9.79	8.45	7.40	4.28	
2	10.30	7.10	8.77	5.90	6.20	4.28	5.75	13.80	10.81	6.50	7.10	4.04	
3	10.81	5.90	15.20	5.90	8.00	2.20	4.52	11.66	13.60	6.20	7.70	3.80	
4	14.60	7.70	12.60	5.36	7.40	3.00	3.44	11.66	16.24	6.50	8.00	3.56	
5	15.00	8.00	13.20	7.40	5.90	4.28	3.32	13.60	16.96	6.65	7.55	3.32	
6	14.60	10.30	14.40	6.35	5.36	2.60	8.00	14.40	15.20	6.35	7.10	3.20	
7	13.00	13.00	14.60	5.90	6.05	2.20	8.60	14.40	14.60	6.80	6.80	3.00	
8	12.00	14.00	12.00	5.48	5.36	2.50	8.60	14.40	17.44	8.00	6.65	2.90	
9	11.49	17.68	10.81	5.24	5.00	1.70	7.70	14.00	16.96	7.40	6.50	2.80	
10	10.81	15.60	10.64	5.24	3.92	1.50	6.50	13.40	14.80	6.95	6.35	2.90	
11	9.79	14.20	10.30	5.60	2.30	2.30	6.95	13.40	13.80	6.80	6.05	3.00	
12	8.77	13.80	9.62	5.48	3.32	1.40	6.65	13.80	13.60	6.80	5.75	3.00	
13	8.30	12.80	8.94	5.48	3.80	1.40	5.48	13.60	13.00	6.95	5.48	3.00	
14	8.00	12.60	8.15	5.24	3.68	1.40	6.80	15.00	12.40	7.40	5.24	3.00	
15	9.62	12.00	13.40	5.48	5.36	1.50	6.35	15.00	12.80	6.05	5.00	2.90	
16	10.13	12.00	12.00	4.88	7.40	3.20	6.80	15.20	14.00	4.64	4.76	2.90	
17	9.62	12.00	9.28	4.76	2.90	1.40	8.94	13.60	15.80	4.16	4.76	2.70	
18	7.70	11.32	11.15	4.76	3.10	1.08	8.94	13.00	23.92	3.92	4.88	2.80	
19	8.60	9.45	9.28	4.64	3.10	3.10	11.15	12.80	36.16	4.04	4.76	2.80	
20	11.32	8.94	8.00	4.40	3.10	1.20	14.20	12.40	18.16	4.16	5.00	2.80	
21	10.47	8.00	8.60	5.24	2.90	1.08	11.49	12.20	14.60	5.24	4.76	2.80	
22	8.94	10.30	7.40	5.00	3.00	2.20	9.96	11.66	13.40	5.48	6.80	2.80	
23	7.55	9.11	6.65	5.75	3.00	0.96	10.64	12.80	12.80	6.95	6.20	2.80	
24	7.10	8.30	7.55	7.25	2.00	1.30	11.32	14.40	13.20	7.25	4.88	2.80	
25	5.36	6.65	10.30	7.25	2.80	1.80	10.30	12.60	13.00	7.70	4.40	2.80	
26	6.95	6.20	7.10	6.20	1.70	2.00	9.45	11.66	12.80	9.28	4.40	2.70	
27	5.00	7.55	6.20	7.25	2.90	0.96	9.79	11.15	12.60	8.00	4.28	2.60	
28	4.40	6.65	4.88	7.70	2.00	0.90	11.83	11.15	12.40	7.55	4.16	2.40	
29	4.40	7.10	5.75	6.80	1.70	5.60	10.47	10.30	12.00	7.40		1.90	
30	4.28	8.60	5.60	6.35	1.60	5.12	9.96	9.62	12.00	7.70		1.90	
31		10.47		5.75	1.60		12.80		11.83	7.70		1.90	
Total	278.19	312.92	293.18	179.78	121.69	65.76	265.00	391.46	460.67	204.97	162.71	90.10	2826.43
Mean	9.27	10.09	9.77	5.80	3.93	2.19	8.55	13.05	14.86	6.61	5.81	2.91	7.74
Max	15.00	17.68	15.20	7.70	8.00	5.60	14.20	15.20	36.16	9.28	8.00	4.28	36.16
Min	4.28	5.60	4.88	4.40	1.60	0.90	3.32	9.62	9.79	3.92	4.16	1.90	0.90
Runoff	24.04	27.04	25.33	15.53	10.51	5.68	22.90	33.82	39.80	17.71	14.06	7.78	244.20
Momentary Peak	CMS. at 15.32 m. (MSL.) at 05.00 Hours, on Dec 19, 2022												
Runoff Yield	33.23 Liters/Second/Square KM.			Momentary Peak Yield				214.76 Liters/Second/Square KM.					

WATER YEAR : 2022**THALE SAP SONGKHLA****Khlong U - Taphao at Ban Bang Sala , Songkhla (X.90)**

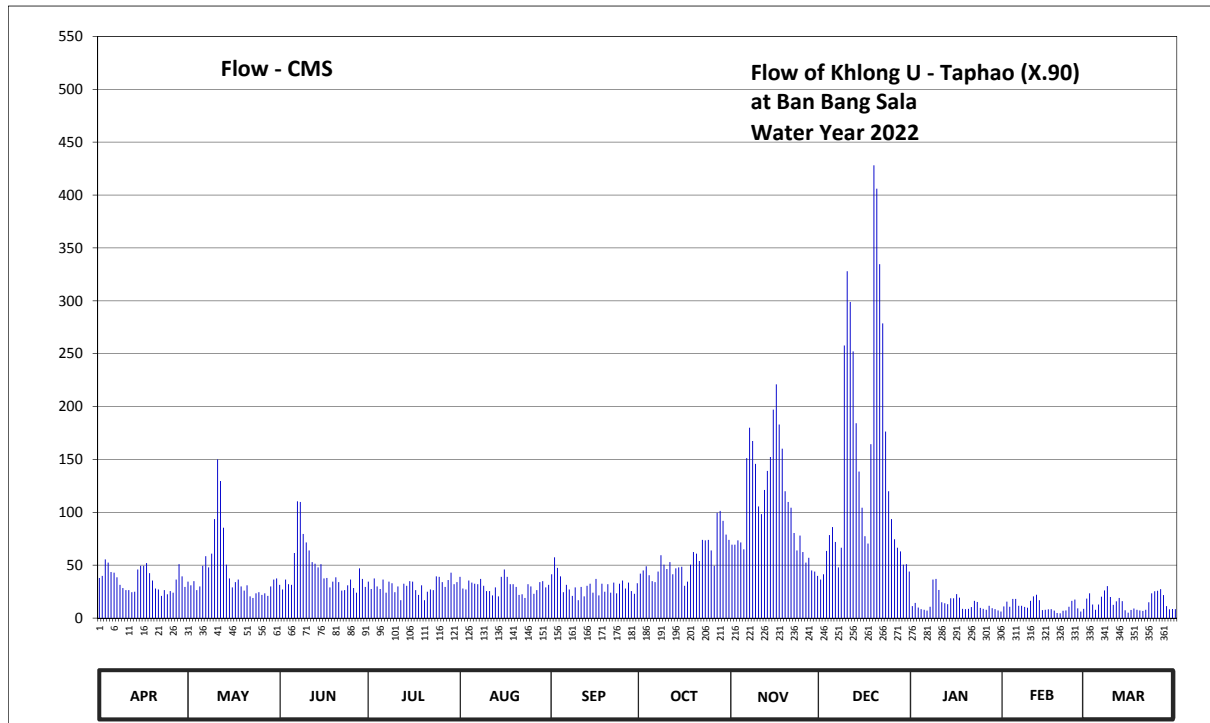
Lat 06 - 55 - 52 N Long 100 - 26 - 24 E

Location : on left bank at the bridge near Wat Bang Sala, Tambon Thung Lan.

	Ban	Bang Sala	Amphoe	Khlong Hoi Khong	Changwat	Songkhla
Drainge Area	1,534	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank upstream site at the abutment of the bridge.				Elevation	+11.201 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1971 to date					
Rating Operation						
Period of Rating	1971 - 1972 , 1979 to date					
Rated by Float	-					
Rated by Current Meter	1971 - 1972 , 1979 to date					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 31 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.80	2.73	2.67	2.73	2.82	2.87	2.88	3.43	2.77	3.01	3.00	3.25	
2	2.84	2.66	2.58	2.59	2.60	3.19	2.94	3.43	2.87	3.11	3.15	3.41	
3	3.15	2.74	2.77	2.79	2.58	2.99	3.02	3.51	3.31	2.95	2.99	3.06	
4	3.09	2.57	2.68	2.64	2.75	2.83	2.85	3.47	3.61	2.84	3.24	2.79	
5	2.91	2.64	2.67	2.59	2.71	2.53	2.74	3.34	3.76	2.79	3.24	3.06	
6	2.90	3.03	3.27	2.77	2.69	2.67	2.72	4.87	3.48	2.71	3.02	3.31	
7	2.81	3.21	4.19	2.52	2.68	2.58	2.92	5.35	3.00	2.99	3.02	3.48	
8	2.67	3.00	4.18	2.73	2.78	2.46	3.23	5.14	3.37	3.71	2.98	3.58	
9	2.61	3.26	3.63	2.70	2.65	2.62	3.05	4.78	6.41	3.72	2.94	3.30	
10	2.57	3.91	3.47	2.53	2.55	2.38	2.97	4.11	7.20	3.49	3.18	3.05	
11	2.57	4.85	3.32	2.64	2.55	2.63	3.10	3.99	6.91	3.13	3.32	3.16	
12	2.53	4.51	3.10	2.38	2.47	2.45	2.87	4.37	6.34	3.10	3.37	3.27	
13	2.54	3.75	3.07	2.69	2.62	2.65	2.98	4.67	5.42	3.07	3.20	3.17	
14	2.96	3.05	3.00	2.65	2.45	2.69	3.00	4.89	4.66	3.26	2.76	2.74	
15	3.03	2.79	3.06	2.74	2.82	2.52	3.01	5.63	4.09	3.26	2.78	2.51	
16	3.03	2.62	2.79	2.73	2.96	2.78	2.65	5.95	3.59	3.39	2.83	2.77	
17	3.08	2.72	2.80	2.57	2.82	2.47	2.73	5.40	3.45	3.28	2.84	2.90	
18	2.89	2.77	2.62	2.48	2.68	2.69	3.05	5.02	5.09	2.88	2.71	2.78	
19	2.75	2.64	2.73	2.66	2.68	2.54	3.29	4.35	7.93	2.85	2.49	2.73	
20	2.60	2.56	2.81	2.38	2.63	2.68	3.26	4.18	7.80	2.88	2.46	2.68	
21	2.58	2.66	2.72	2.54	2.48	2.52	3.12	4.09	7.26	2.97	2.69	2.78	
22	2.46	2.45	2.56	2.58	2.49	2.71	3.52	3.65	6.67	3.18	2.72	3.13	
23	2.57	2.42	2.57	2.57	2.42	2.51	3.51	3.32	5.29	3.14	2.99	3.41	
24	2.49	2.51	2.66	2.83	2.68	2.69	3.52	3.60	4.35	2.93	3.18	3.46	
25	2.55	2.53	2.77	2.82	2.64	2.75	3.32	3.29	3.91	2.87	3.22	3.47	
26	2.52	2.48	2.61	2.72	2.50	2.60	3.03	3.09	3.53	2.79	2.91	3.51	
27	2.77	2.51	2.52	2.63	2.57	2.71	4.01	3.18	3.37	3.02	2.62	3.36	
28	3.06	2.46	2.98	2.76	2.72	2.55	4.04	2.94	3.30	2.92	2.88	3.01	
29	2.83	2.64	2.78	2.90	2.74	2.50	3.88	2.92	3.05	2.84		2.83	
30	2.63	2.77	2.63	2.68	2.62	2.70	3.62	2.84	3.06	2.73		2.86	
31		2.79		2.72	2.67		3.52		2.92	2.62		2.85	
Mean	2.76	2.91	2.94	2.65	2.65	2.65	3.17	4.09	4.57	3.05	2.95	3.09	
Max	3.15	4.85	4.19	2.90	2.96	3.19	4.04	5.95	7.93	3.72	3.37	3.58	7.93
Min	2.46	2.42	2.52	2.38	2.42	2.38	2.65	2.84	2.77	2.62	2.46	2.51	2.38
Annual Max Momentary Gage Height	8.21		m. (MSL.) ,				at 15.00 Hours , on Dec 19, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	-0.93	m. (MSL.)					
Left Bank Elevation		9.53	m. (MSL.) ,										
Right Bank Elevation		9.10	m. (MSL.) ,			Drainage Are	1,534	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	38.00	34.50	31.50	34.50	39.00	41.50	42.00	69.50	36.50	11.30	11.00	18.50		
2	40.00	31.00	27.00	27.50	28.00	57.50	45.00	69.50	41.50	14.30	15.50	23.40		
3	55.50	35.00	36.50	37.50	27.00	47.50	49.00	73.50	63.50	10.00	10.80	12.80		
4	52.50	26.50	32.00	30.00	35.50	39.50	40.50	71.50	78.50	8.40	18.20	7.90		
5	43.50	30.00	31.50	27.50	33.50	24.50	35.00	65.00	86.00	7.90	18.20	12.80		
6	43.00	49.50	61.50	36.50	32.50	31.50	34.00	151.20	72.00	7.10	11.60	20.30		
7	38.50	58.50	110.40	24.00	32.00	27.00	44.00	180.00	48.00	10.80	11.60	26.20		
8	31.50	48.00	109.80	34.50	37.00	21.00	59.50	167.40	66.50	36.50	10.60	30.20		
9	28.50	61.00	79.50	33.00	30.50	29.00	50.50	145.80	257.80	37.00	9.80	20.00		
10	26.50	93.60	71.50	24.50	25.50	17.00	46.50	105.60	328.00	26.60	16.40	12.50		
11	26.50	150.00	64.00	30.00	25.50	29.50	53.00	98.40	298.90	14.90	20.60	15.80		
12	24.50	129.60	53.00	17.00	21.50	20.50	41.50	121.20	252.20	14.00	22.10	19.10		
13	25.00	85.50	51.50	32.50	29.00	30.50	47.00	139.20	184.20	13.10	17.00	16.10		
14	46.00	50.50	48.00	30.50	20.50	32.50	48.00	152.40	138.60	18.80	7.60	7.40		
15	49.50	37.50	51.00	35.00	39.00	24.00	48.50	197.10	104.40	18.80	7.80	5.10		
16	49.50	29.00	37.50	34.50	46.00	37.00	30.50	221.00	77.50	22.70	8.30	7.70		
17	52.00	34.00	38.00	26.50	39.00	21.50	34.50	183.00	70.50	19.40	8.40	9.00		
18	42.50	36.50	29.00	22.00	32.00	32.50	50.50	160.20	164.40	8.80	7.10	7.80		
19	35.50	30.00	34.50	31.00	32.00	25.00	62.50	120.00	428.10	8.50	4.90	7.30		
20	28.00	26.00	38.50	17.00	29.50	32.00	61.00	109.80	406.00	8.80	4.60	6.80		
21	27.00	31.00	34.00	25.00	22.00	24.00	54.00	104.40	334.60	10.40	6.90	7.80		
22	21.00	20.50	26.00	27.00	22.50	33.50	74.00	80.50	278.60	16.40	7.20	14.90		
23	26.50	19.00	26.50	26.50	19.00	23.50	73.50	64.00	176.40	15.20	10.80	23.40		
24	22.50	23.50	31.00	39.50	32.00	32.50	74.00	78.00	120.00	9.60	16.40	25.40		
25	25.50	24.50	36.50	39.00	30.00	35.50	64.00	62.50	93.60	8.70	17.60	25.80		
26	24.00	22.00	28.50	34.00	23.00	28.00	49.50	52.50	74.50	7.90	9.20	27.40		
27	36.50	23.50	24.00	29.50	26.50	33.50	99.60	57.00	66.50	11.60	6.20	21.80		
28	51.00	21.00	47.00	36.00	34.00	25.50	101.40	45.00	63.00	9.40	8.80	11.30		
29	39.50	30.00	37.00	43.00	35.00	23.00	92.00	44.00	50.50	8.40		8.30		
30	29.50	36.50	29.50	32.00	29.00	33.00	79.00	40.00	51.00	7.30		8.60		
31		37.50		34.00	31.50		74.00		44.00	6.20		8.50		
Total	1079.50	1365.20	1356.20	951.00	939.00	913.00	1758.00	3229.20	4555.80	428.80	325.20	469.90	17370.80	CMSDAY
Mean	35.98	44.04	45.21	30.68	30.29	30.43	56.71	107.64	146.96	13.83	11.61	15.16	47.59	CMS
Max	55.50	150.00	110.40	43.00	46.00	57.50	101.40	221.00	428.10	37.00	22.10	30.20	428.10	CMS
Min	21.00	19.00	24.00	17.00	19.00	17.00	30.50	40.00	36.50	6.20	4.60	5.10	4.60	CMS
Runoff	93.27	117.95	117.18	82.17	81.13	78.88	151.89	279.00	393.62	37.05	28.10	40.60	1500.84	MCM
Momentary Peak	482.30 CMS. at 8.21 m. (MSL.) at 15.00 Hours , on Dec 19, 2022													
Runoff Yield	31.02	Liters/Second/Square KM.				Momentary Peak Yield 314.41				Liters/Second/Square KM.				

WATER YEAR : 2022

THALE SAP SONGKHLA

Khlong Bang Kaeo at Ban Khuan In No Mo , Phutthalung (X.109)

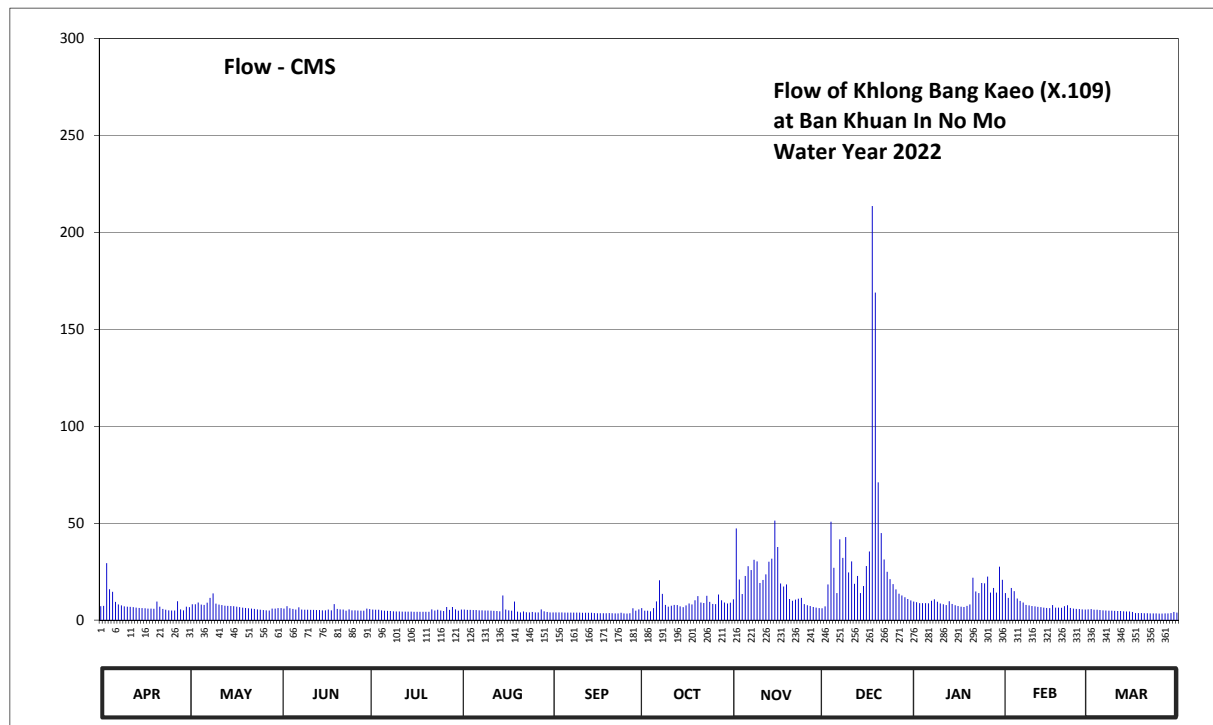
Lat 07 - 20 - 43 N Long 100 - 03 - 24 E

Location : on left bank at Ban Khuan In No Mo.

	Ban	Khuan In No Mo	Amphoe	Ta Mot	Changwat	Phatthalung
Drainge Area	121	sq.km.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	on left bank downstream site at the footpath of the bridge.		Elevation	+35.689 m. (MSL.)		
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1979 to date.					
Rating Operation						
Period of Rating	1979 to date.					
Rated by Float	-					
Rated by Current Meter	1979 to date.					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	Overbank flow starts at elevation + 30.800 m.(MSL.), records are channel flow only.					
General Description	Records fair. Stage-discharge relation defined by 21 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	26.52	26.47	26.42	26.37	26.35	26.20	26.42	26.85	26.41	26.76	27.05	26.36	
2	26.54	26.62	26.40	26.35	26.35	26.20	26.29	28.96	26.51	26.73	26.90	26.37	
3	27.68	26.62	26.52	26.34	26.33	26.20	26.29	27.53	27.27	26.68	27.18	26.34	
4	27.15	26.71	26.41	26.34	26.33	26.20	26.26	27.03	28.37	26.68	27.10	26.34	
5	27.08	26.60	26.38	26.31	26.32	26.19	26.42	27.65	27.60	26.68	26.88	26.32	
6	26.74	26.59	26.35	26.29	26.32	26.19	26.77	27.98	27.05	26.67	26.79	26.31	
7	26.61	26.70	26.46	26.28	26.31	26.19	27.38	27.85	28.09	26.80	26.71	26.30	
8	26.56	26.90	26.35	26.27	26.31	26.19	27.03	28.15	27.77	26.85	26.59	26.29	
9	26.51	27.04	26.34	26.26	26.30	26.19	26.59	28.11	28.13	26.75	26.56	26.29	
10	26.50	26.65	26.34	26.25	26.30	26.19	26.50	27.41	27.52	26.66	26.53	26.28	
11	26.49	26.60	26.33	26.25	26.29	26.18	26.55	27.51	27.71	26.62	26.51	26.27	
12	26.47	26.58	26.33	26.24	26.28	26.18	26.59	27.70	27.29	26.58	26.49	26.27	
13	26.45	26.55	26.32	26.24	26.27	26.18	26.58	28.10	27.46	26.78	26.47	26.26	
14	26.43	26.54	26.32	26.24	26.26	26.18	26.51	28.18	27.05	26.64	26.45	26.25	
15	26.42	26.53	26.31	26.24	26.98	26.17	26.47	29.16	27.23	26.57	26.43	26.25	
16	26.41	26.52	26.31	26.23	26.35	26.16	26.56	28.48	27.63	26.53	26.42	26.22	
17	26.40	26.50	26.35	26.23	26.31	26.16	26.66	27.39	27.88	26.50	26.58	26.17	
18	26.40	26.47	26.31	26.23	26.29	26.16	26.61	27.22	31.32	26.48	26.45	26.17	
19	26.39	26.45	26.63	26.23	26.76	26.16	26.82	27.27	31.78	26.54	26.45	26.17	
20	26.76	26.43	26.38	26.23	26.24	26.17	26.96	26.86	29.93	26.61	26.44	26.16	
21	26.50	26.41	26.36	26.23	26.20	26.16	26.71	26.80	28.84	27.43	26.52	26.16	
22	26.38	26.40	26.35	26.36	26.25	26.15	26.69	26.84	28.16	27.09	26.57	26.15	
23	26.34	26.38	26.29	26.30	26.21	26.15	26.97	26.87	27.79	27.05	26.43	26.15	
24	26.31	26.36	26.36	26.34	26.20	26.18	26.74	26.90	27.54	27.31	26.40	26.15	
25	26.30	26.34	26.31	26.30	26.22	26.15	26.64	26.63	27.37	27.30	26.38	26.14	
26	26.30	26.32	26.31	26.27	26.20	26.14	26.63	26.57	27.19	27.45	26.37	26.14	
27	26.78	26.31	26.30	26.48	26.20	26.16	27.01	26.53	27.04	27.06	26.36	26.15	
28	26.36	26.30	26.29	26.33	26.36	26.41	26.82	26.48	26.98	27.18	26.35	26.15	
29	26.31	26.40	26.29	26.48	26.26	26.29	26.71	26.45	26.92	27.06		26.17	
30	26.50	26.40	26.40	26.36	26.22	26.36	26.66	26.42	26.86	27.62		26.22	
31		26.42		26.29	26.20		26.70		26.81	27.39		26.19	
Mean	26.55	26.52	26.36	26.30	26.32	26.19	26.66	27.40	27.79	26.87	26.58	26.23	
Max	27.68	27.04	26.63	26.48	26.98	26.41	27.38	29.16	31.78	27.62	27.18	26.37	31.78
Min	26.30	26.30	26.29	26.23	26.20	26.14	26.26	26.42	26.41	26.48	26.35	26.14	26.14
Annual Max Momentary Gage Height	33.37		m. (MSL.) ,			at 19.00 Hours ,	on Dec 18, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	25.75	m. (MSL.)					
Left Bank Elevation		30.79	m. (MSL.) ,										
Right Bank Elevation		33.13	m. (MSL.) ,			Drainage Are	121	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	7.20	6.70	6.20	5.70	5.50	4.00	6.20	10.75	6.10	9.60	14.00	5.60		
2	7.40	8.20	6.00	5.50	5.50	4.00	4.90	47.35	7.10	9.30	11.50	5.70		
3	29.40	8.20	7.20	5.40	5.30	4.00	4.90	21.03	18.40	8.80	16.60	5.40		
4	16.00	9.10	6.10	5.40	5.30	4.00	4.60	13.46	50.80	8.80	15.00	5.40		
5	14.60	8.00	5.80	5.10	5.20	3.90	6.20	22.85	27.00	8.80	11.20	5.20		
6	9.40	7.90	5.50	4.90	5.20	3.90	9.70	27.85	14.00	8.70	9.90	5.10		
7	8.10	9.00	6.60	4.80	5.10	3.90	20.60	25.88	41.70	10.00	9.10	5.00		
8	7.60	11.50	5.50	4.70	5.10	3.90	13.60	31.15	32.10	10.75	7.90	4.90		
9	7.10	13.80	5.40	4.60	5.00	3.90	7.90	30.35	42.90	9.50	7.60	4.90		
10	7.00	8.50	5.40	4.50	5.00	3.90	7.00	19.21	24.60	8.60	7.30	4.80		
11	6.90	8.00	5.30	4.50	4.90	3.80	7.50	20.73	30.30	8.20	7.10	4.70		
12	6.70	7.80	5.30	4.40	4.80	3.80	7.90	23.61	18.80	7.80	6.90	4.70		
13	6.50	7.50	5.20	4.40	4.70	3.80	7.80	30.15	22.80	9.80	6.70	4.60		
14	6.30	7.40	5.20	4.40	4.60	3.80	7.10	31.75	14.00	8.40	6.50	4.50		
15	6.20	7.30	5.10	4.40	12.70	3.70	6.70	51.35	17.60	7.70	6.30	4.50		
16	6.10	7.20	5.10	4.30	5.50	3.60	7.60	37.75	27.90	7.30	6.20	4.20		
17	6.00	7.00	5.50	4.30	5.10	3.60	8.60	18.91	35.40	7.00	7.80	3.70		
18	6.00	6.70	5.10	4.30	4.90	3.60	8.10	17.40	213.60	6.80	6.50	3.70		
19	5.90	6.50	8.30	4.30	9.60	3.60	10.30	18.40	168.95	7.40	6.50	3.70		
20	9.60	6.30	5.80	4.30	4.40	3.70	12.40	10.90	71.05	8.10	6.40	3.60		
21	7.00	6.10	5.60	4.30	4.00	3.60	9.10	10.00	44.95	21.90	7.20	3.60		
22	5.80	6.00	5.50	5.60	4.50	3.50	8.90	10.60	31.35	14.80	7.70	3.50		
23	5.40	5.80	4.90	5.00	4.10	3.50	12.55	11.05	24.97	14.00	6.30	3.50		
24	5.10	5.60	5.60	5.40	4.00	3.80	9.40	11.50	21.18	19.20	6.00	3.50		
25	5.00	5.40	5.10	5.00	4.20	3.50	8.40	8.30	18.61	19.00	5.80	3.40		
26	5.00	5.20	5.10	4.70	4.00	3.40	8.30	7.70	15.88	22.50	5.70	3.40		
27	9.80	5.10	5.00	6.80	4.00	3.60	13.20	7.30	13.61	14.20	5.60	3.50		
28	5.60	5.00	4.90	5.30	5.60	6.10	10.30	6.80	12.70	16.60	5.50	3.50		
29	5.10	6.00	4.90	6.80	4.60	4.90	9.10	6.50	11.80	14.20		3.70		
30	7.00	6.00	6.00	5.60	4.20	5.60	8.60	6.20	10.90	27.60		4.20		
31		6.20		4.90	4.00		9.00		10.15	20.80		3.90		
Total	240.80	225.00	168.20	153.60	160.60	117.90	276.45	596.78	1101.20	376.15	226.80	133.60	3777.08	CMSDAY
Mean	8.03	7.26	5.61	4.95	5.18	3.93	8.92	19.89	35.52	12.13	8.10	4.31	10.35	CMS
Max	29.40	13.80	8.30	6.80	12.70	6.10	20.60	51.35	213.60	27.60	16.60	5.70	213.60	CMS
Min	5.00	5.00	4.90	4.30	4.00	3.40	4.60	6.20	6.10	6.80	5.50	3.40	3.40	CMS
Runoff	20.81	19.44	14.53	13.27	13.88	10.19	23.89	51.56	95.14	32.50	19.60	11.54	326.34	MCM
Momentary Peak	CMS. at 33.37 m. (MSL.) at 19.00 Hours , on Dec 18, 2022													
Runoff Yield	85.52	Liters/Second/Square KM.				Momentary Peak Yield		3574.38	Liters/Second/Square KM.					

WATER YEAR : 2022

THALE SAP SONGKHLA

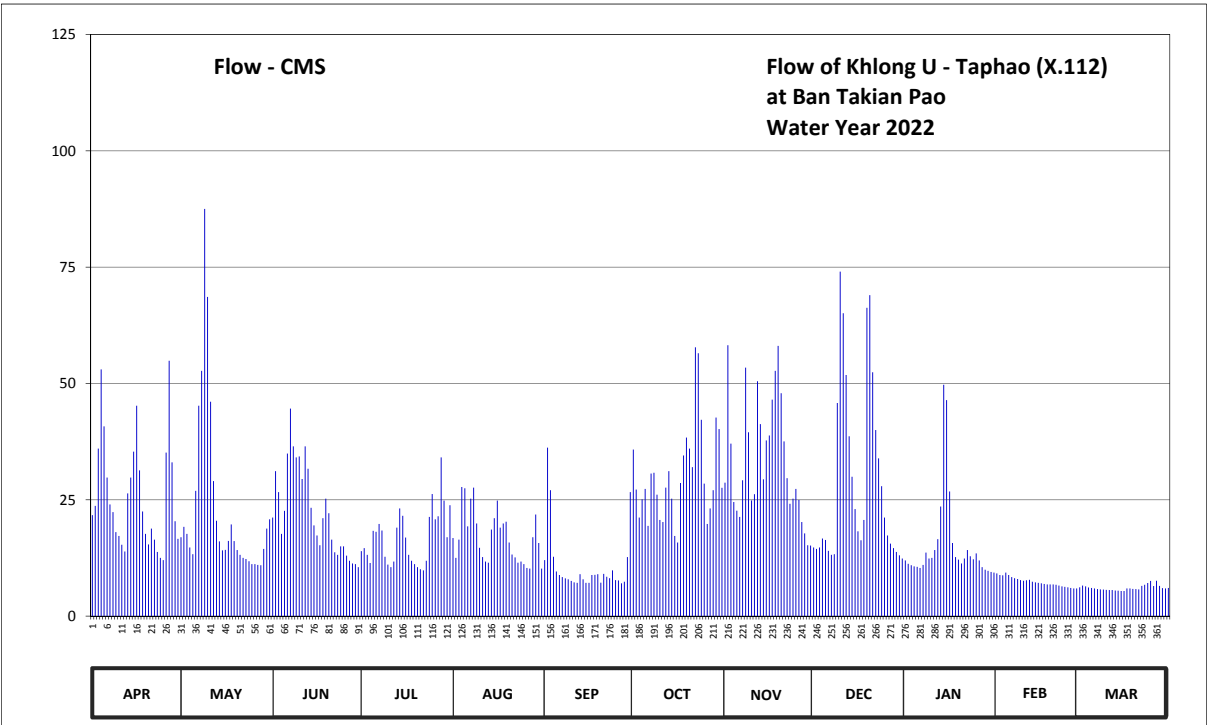
Khlong U - Taphao at Ban Takian Pao , Songkhla (X.112)

Lat 06 - 42 - 18 N Long 100 - 25 - 59 E

Location : on right bank at Ban Takian Pao.

	Ban Takian Pao	Amphoe Sadao	Changwat Songkhla
Drainge Area	536 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank upstream site at the abutment of the bridge.	Elevation	+26.170 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1979 - 1996 , 2006 to date		
Rating Operation			
Period of Rating	1979 - 1996 , 2006 to date		
Rated by Float	-		
Rated by Current Meter	1979 - 1996 , 2006 to date		
Stability of Channel Regimes	Stable.		
Overbank Flow Conditions	Overbank flow starts at elevation + 25.060 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 24 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	23.30	22.84	23.26	22.47	22.82	22.23	24.18	24.27	22.57	22.22	21.83	21.28	
2	23.45	23.08	23.95	22.55	22.29	24.20	23.70	25.08	22.53	22.13	21.77	21.35	
3	24.19	22.92	23.66	22.37	22.78	23.69	23.26	24.63	22.57	22.09	21.76	21.32	
4	24.78	22.57	22.92	22.15	23.74	22.32	23.55	24.03	22.81	22.06	21.86	21.27	
5	24.37	22.39	23.37	22.99	23.72	21.90	23.71	23.91	22.77	22.05	21.77	21.25	
6	23.87	23.68	24.14	22.97	23.09	21.77	23.10	23.82	22.48	22.02	21.70	21.23	
7	23.47	24.52	24.50	23.14	23.56	21.70	23.92	24.30	22.37	22.10	21.66	21.20	
8	23.35	24.77	24.21	23.00	23.73	21.65	23.93	25.02	22.39	22.43	21.63	21.19	
9	22.96	25.67	24.10	22.32	23.15	21.62	23.62	24.70	24.54	22.27	21.59	21.18	
10	22.87	25.22	24.11	22.11	22.56	21.55	23.22	24.05	25.36	22.29	21.56	21.17	
11	22.64	24.87	23.85	22.04	22.31	21.49	23.18	24.13	25.13	22.50	21.58	21.16	
12	22.46	24.29	24.21	22.19	22.19	21.47	23.73	24.97	24.74	22.79	21.60	21.16	
13	23.64	23.75	23.98	23.06	22.16	21.80	23.95	24.75	24.29	23.44	21.52	21.14	
14	23.87	23.22	23.42	23.41	23.02	21.62	23.56	24.31	23.88	24.67	21.49	21.13	
15	24.16	22.86	23.11	23.29	23.25	21.47	22.87	24.65	23.40	24.56	21.47	21.12	
16	24.52	22.88	22.88	22.83	23.53	21.47	22.70	24.68	22.98	23.67	21.45	21.12	
17	23.96	23.24	22.63	22.37	23.06	21.77	23.80	24.88	22.76	22.69	21.42	21.23	
18	23.36	23.13	23.25	22.21	23.15	21.78	24.12	24.77	23.22	22.31	21.40	21.23	
19	22.92	22.74	23.56	22.12	23.19	21.80	24.28	24.94	25.16	22.24	21.40	21.21	
20	22.65	22.50	23.33	22.04	22.70	21.48	24.19	24.61	25.23	22.14	21.40	21.20	
21	23.04	22.37	22.78	21.98	22.38	21.81	24.00	24.25	24.76	22.27	21.39	21.19	
22	22.78	22.29	22.44	21.94	22.30	21.71	24.93	23.86	24.34	22.50	21.35	21.34	
23	22.45	22.26	22.37	22.21	22.16	21.66	24.89	23.48	24.09	22.33	21.32	21.39	
24	22.29	22.20	22.60	23.27	22.19	21.94	24.42	23.56	23.75	22.25	21.30	21.46	
25	22.23	22.12	22.60	23.63	22.12	21.59	23.79	23.71	23.26	22.41	21.28	21.55	
26	24.15	22.12	22.35	23.23	22.02	21.57	23.14	23.54	22.88	22.22	21.25	21.33	
27	24.84	22.10	22.21	23.28	22.00	21.45	23.41	23.18	22.67	22.04	21.23	21.56	
28	24.05	22.09	22.14	24.10	22.84	21.52	24.18	22.93	22.55	21.96	21.23	21.34	
29	23.20	22.53	22.12	23.53	23.31	22.31	24.79	22.63	22.45	21.92		21.24	
30	22.80	23.04	22.04	22.84	22.69	23.66	24.72	22.62	22.36	21.88		21.23	
31		23.23		23.46	22.00		24.21		22.27	21.86		21.25	
Mean	23.42	23.14	23.20	22.75	22.77	21.93	23.84	24.14	23.44	22.46	21.51	21.26	
Max	24.84	25.67	24.50	24.10	23.74	24.20	24.93	25.08	25.36	24.67	21.86	21.56	25.67
Min	22.23	22.09	22.04	21.94	22.00	21.45	22.70	22.62	22.27	21.86	21.23	21.12	21.12
Annual Max Momentary Gage Height	25.88	m. (MSL.) , at 12.00 Hours , on May 9, 2022											
Zero Gage at Bottom Elevation	0.00	m. (MSL.) , River Bed 19.92 m. (MSL.)											
Left Bank Elevation	25.80	m. (MSL.) ,											
Right Bank Elevation	25.05	m. (MSL.) , Drainage Are 536 Square Kilometers											



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	21.70	16.96	21.18	13.96	16.78	12.04	35.78	28.66	14.76	11.96	9.18	6.20	
2	23.70	19.20	31.15	14.60	12.52	36.20	27.20	58.20	14.44	11.24	8.82	6.55	
3	35.99	17.68	26.64	13.16	16.44	27.06	21.18	37.05	14.76	10.92	8.76	6.40	
4	53.00	14.76	17.68	11.40	27.76	12.76	25.10	24.51	16.69	10.68	9.36	6.15	
5	40.79	13.32	22.61	18.31	27.48	9.60	27.34	22.65	16.36	10.60	8.82	6.05	
6	29.79	26.92	34.94	18.13	19.30	8.82	19.40	21.30	14.04	10.36	8.40	5.95	
7	23.98	45.20	44.60	19.80	25.24	8.40	30.64	29.20	13.16	11.00	8.16	5.80	
8	22.35	52.70	36.47	18.40	27.62	8.10	30.81	53.40	13.32	13.64	7.98	5.75	
9	18.04	87.50	34.10	12.76	19.90	7.92	26.08	39.50	45.80	12.36	7.75	5.70	
10	17.23	68.58	34.31	11.08	14.68	7.55	20.66	24.85	74.04	12.52	7.60	5.65	
11	15.32	46.08	29.45	10.52	12.68	7.25	20.20	26.21	65.07	14.20	7.70	5.60	
12	13.88	29.02	36.47	11.72	11.72	7.15	27.62	50.48	51.80	16.52	7.80	5.60	
13	26.36	20.50	31.66	19.00	11.48	9.00	31.15	41.25	38.63	23.56	7.40	5.50	
14	29.79	16.04	23.28	23.14	18.60	7.92	25.24	29.38	29.96	49.70	7.25	5.45	
15	35.36	14.12	19.50	21.57	21.05	7.15	17.23	37.75	23.00	46.40	7.15	5.40	
16	45.20	14.23	17.32	16.87	24.82	7.15	15.80	38.80	18.22	26.78	7.05	5.40	
17	31.32	16.15	15.24	13.16	19.00	8.82	28.60	46.52	16.28	15.72	6.90	5.95	
18	22.48	19.70	21.05	11.88	19.90	8.88	34.52	52.70	20.66	12.68	6.80	5.95	
19	17.68	16.12	25.24	11.16	20.30	9.00	38.36	58.08	66.24	12.12	6.80	5.85	
20	15.40	14.20	22.09	10.52	15.80	7.20	35.99	47.90	68.97	11.32	6.80	5.80	
21	18.80	13.16	16.44	10.08	13.24	9.06	32.00	37.55	52.40	12.36	6.75	5.75	
22	16.44	12.52	13.72	9.84	12.60	8.46	57.76	29.62	39.98	14.20	6.55	6.50	
23	13.80	12.28	13.16	11.88	11.48	8.16	56.48	24.12	33.89	12.84	6.40	6.75	
24	12.52	11.80	15.00	21.31	11.72	9.84	42.20	25.24	27.90	12.20	6.30	7.10	
25	12.04	11.16	15.00	26.22	11.16	7.75	28.46	27.34	21.18	13.48	6.20	7.55	
26	35.15	11.16	13.00	20.79	10.36	7.65	19.80	24.96	17.32	11.96	6.05	6.45	
27	54.88	11.00	11.88	21.44	10.20	7.05	23.14	20.20	15.56	10.52	5.95	7.60	
28	33.05	10.92	11.32	34.10	16.96	7.40	27.06	17.77	14.60	9.96	5.95	6.50	
29	20.40	14.44	11.16	24.82	21.83	12.68	42.65	15.24	13.80	9.72		6.00	
30	16.60	18.80	10.52	16.96	15.72	26.64	40.20	15.16	13.08	9.48		5.95	
31		20.79		23.84	10.20		27.58		12.36	9.36		6.05	
Total	773.04	717.01	676.18	522.42	528.54	322.66	936.23	1005.59	898.27	470.36	206.63	188.90	7245.83 CMSDAY
Mean	25.77	23.13	22.54	16.85	17.05	10.76	30.20	33.52	28.98	15.17	7.38	6.09	19.85 CMS
Max	54.88	87.50	44.60	34.10	27.76	36.20	57.76	58.20	74.04	49.70	9.36	7.60	87.50 CMS
Min	12.04	10.92	10.52	9.84	10.20	7.05	15.80	15.16	12.36	9.36	5.95	5.40	5.40 CMS
Runoff	66.79	61.95	58.42	45.14	45.67	27.88	80.89	86.88	77.61	40.64	17.85	16.32	626.04 MCM
Momentary Peak	98.00 CMS. at 25.88 m. (MSL.) at 12.00 Hours , on May 9, 2022												
Runoff Yield	37.03	Liters/Second/Square KM.		Momentary Peak Yield		182.82	Liters/Second/Square KM.						

WATER YEAR : 2022**THALE SAP SONGKHLA****Khlong La Pang at Ban Thung Prap , Songkhla (X.113)**

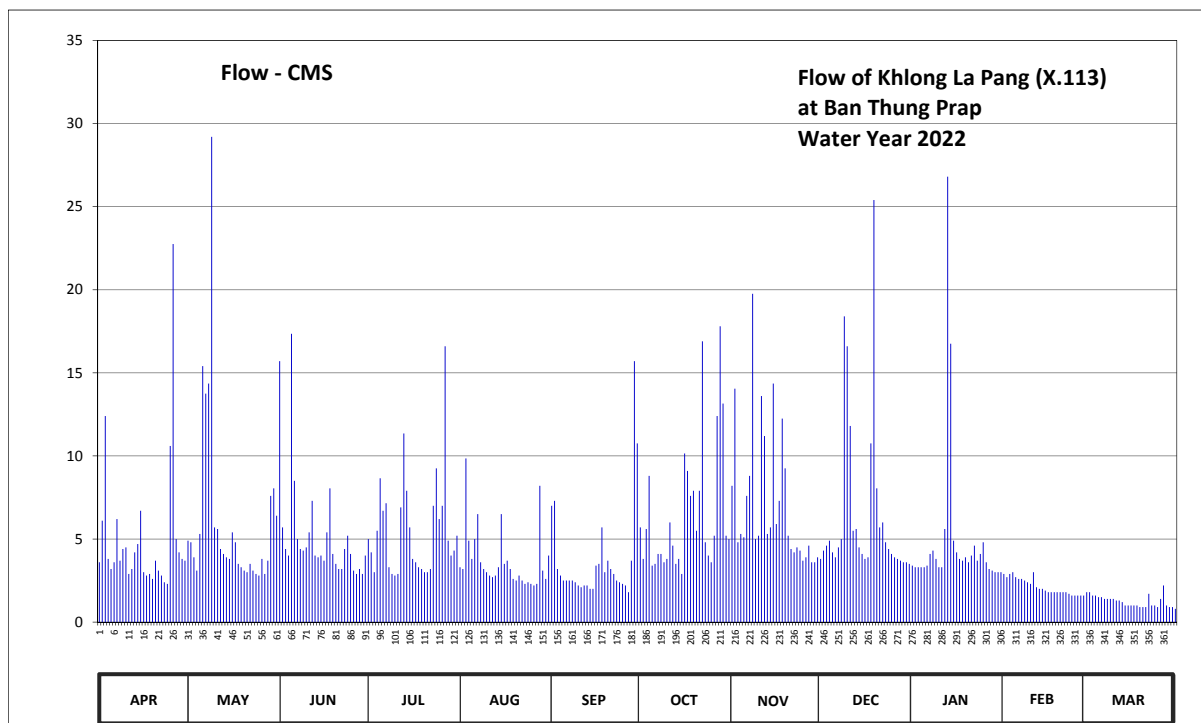
Lat 06 - 38 - 06 N Long 100 - 23 - 36 E

Location : on right bank at Ban Thung Prap.

	Ban	Thung Prap	Amphoe	Sadao	Changwat	Songkhla
Drainge Area	117	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	About 15 meters from the gage observer's house.				Elevation	+37.533 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1979 to date					
Rating Operation						
Period of Rating	1979 to date					
Rated by Float	-					
Rated by Current Meter	1979 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 34.760 m.(MSL.), records are channel flow only.					
General Description	Records fair. Stage-discharge relation defined by 20 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	33.06	33.19	33.98	33.20	33.03	33.40	33.27	33.48	33.08	33.04	32.99	32.88	
2	33.31	33.18	33.27	33.12	33.02	33.42	33.08	33.87	33.13	33.03	32.97	32.88	
3	33.76	33.09	33.14	33.00	33.59	33.02	33.26	33.18	33.16	33.03	32.99	32.86	
4	33.08	33.01	33.10	33.25	33.19	32.98	33.52	33.23	33.19	33.03	33.00	32.86	
5	33.02	33.23	34.09	33.51	33.08	32.95	33.04	33.21	33.12	33.03	32.97	32.85	
6	33.06	33.96	33.50	33.37	33.20	32.95	33.05	33.44	33.09	33.04	32.96	32.85	
7	33.32	33.85	33.20	33.41	33.35	32.95	33.11	33.52	33.15	33.11	32.96	32.84	
8	33.07	33.89	33.14	33.03	33.06	32.95	33.11	34.25	33.20	33.13	32.95	32.84	
9	33.14	34.81	33.13	32.99	33.02	32.94	33.06	33.20	34.16	33.08	32.94	32.84	
10	33.15	33.27	33.15	32.98	33.00	32.92	33.08	33.22	34.04	33.03	32.93	32.84	
11	32.99	33.26	33.24	32.99	32.98	32.91	33.30	33.84	33.72	33.03	33.00	32.83	
12	33.02	33.14	33.42	33.39	32.97	32.92	33.16	33.68	33.25	33.26	32.91	32.83	
13	33.12	33.11	33.10	33.69	32.98	32.92	33.05	33.23	33.26	34.69	32.90	32.82	
14	33.17	33.09	33.09	33.46	33.03	32.90	33.08	33.27	33.15	34.05	32.90	32.80	
15	33.37	33.08	33.10	33.27	33.35	32.90	32.99	33.89	33.11	33.19	32.89	32.80	
16	33.00	33.24	33.07	33.08	33.05	33.04	33.61	33.29	33.08	33.12	32.88	32.80	
17	32.98	33.18	33.24	33.06	33.07	33.05	33.54	33.42	33.09	33.08	32.88	32.80	
18	32.99	33.05	33.47	33.03	33.02	33.27	33.44	33.75	33.65	33.07	32.88	32.80	
19	32.96	33.03	33.11	33.02	32.96	33.00	33.46	33.55	34.62	33.09	32.88	32.79	
20	33.07	33.01	33.05	33.00	32.95	33.07	33.25	33.22	33.47	33.06	32.88	32.79	
21	33.01	33.00	33.02	33.00	32.98	33.02	33.46	33.14	33.27	33.10	32.88	32.79	
22	32.98	33.05	33.02	33.02	32.95	32.99	34.06	33.12	33.30	33.16	32.88	32.87	
23	32.94	33.01	33.14	33.40	32.93	32.95	33.18	33.15	33.18	33.07	32.87	32.80	
24	32.93	32.99	33.22	33.55	32.94	32.94	33.10	33.13	33.14	33.11	32.86	32.80	
25	33.64	32.98	33.11	33.32	32.93	32.93	33.06	33.07	33.11	33.18	32.86	32.79	
26	34.45	33.08	33.01	33.40	32.92	32.92	33.22	33.09	33.09	33.06	32.86	32.84	
27	33.20	32.99	32.99	34.04	32.93	32.88	33.76	33.16	33.08	33.02	32.86	32.92	
28	33.12	33.07	33.02	33.19	33.48	33.07	34.12	33.06	33.07	33.01	32.86	32.80	
29	33.08	33.44	32.99	33.10	33.01	33.98	33.81	33.06	33.06	33.00		32.79	
30	33.07	33.47	33.10	33.13	32.96	33.65	33.22	33.09	33.06	33.00		32.79	
31		33.34		33.22	33.10		33.20		33.05	33.00		32.78	
Mean	33.17	33.26	33.21	33.23	33.07	33.06	33.31	33.36	33.29	33.16	32.91	32.82	
Max	34.45	34.81	34.09	34.04	33.59	33.98	34.12	34.25	34.62	34.69	33.00	32.92	34.81
Min	32.93	32.98	32.99	32.98	32.92	32.88	32.99	33.06	33.05	33.00	32.86	32.78	32.78
Annual Max Momentary Gage Height	35.83	m. (MSL.) , at 01.00 Hours , on Apr 26, 2022											
Zero Gage at Bottom Elevation	0.00	m. (MSL.) ,		River Bed		31.93	m. (MSL.)						
Left Bank Elevation	34.75	m. (MSL.) ,											
Right Bank Elevation	36.48	m. (MSL.) ,		Drainage Are		117	Square Kilometers						



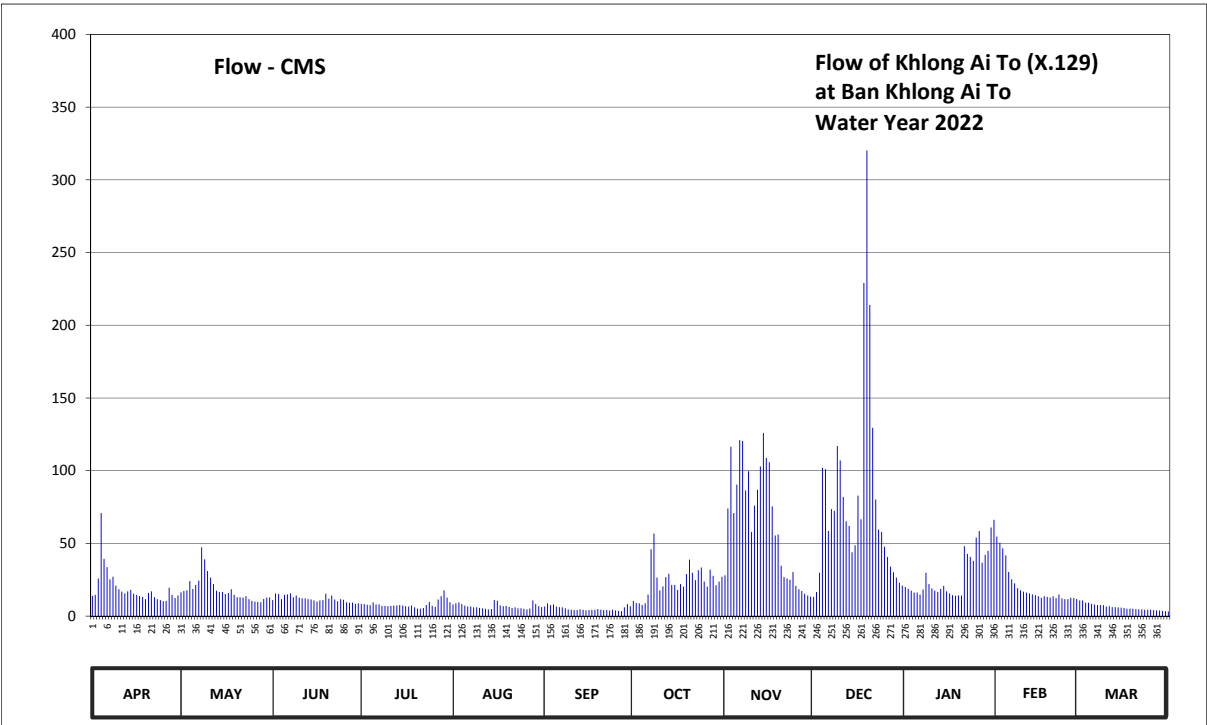
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.60	4.90	15.70	5.00	3.30	7.00	5.70	8.20	3.80	3.40	2.90	1.80		
2	6.10	4.80	5.70	4.20	3.20	7.30	3.80	14.05	4.30	3.30	2.70	1.80		
3	12.40	3.90	4.40	3.00	9.85	3.20	5.60	4.80	4.60	3.30	2.90	1.60		
4	3.80	3.10	4.00	5.50	4.90	2.80	8.80	5.30	4.90	3.30	3.00	1.60		
5	3.20	5.30	17.35	8.65	3.80	2.50	3.40	5.10	4.20	3.30	2.70	1.50		
6	3.60	15.40	8.50	6.70	5.00	2.50	3.50	7.60	3.90	3.40	2.60	1.50		
7	6.20	13.75	5.00	7.15	6.50	2.50	4.10	8.80	4.50	4.10	2.60	1.40		
8	3.70	14.35	4.40	3.30	3.60	2.50	4.10	19.75	5.00	4.30	2.50	1.40		
9	4.40	29.20	4.30	2.90	3.20	2.40	3.60	5.00	18.40	3.80	2.40	1.40		
10	4.50	5.70	4.50	2.80	3.00	2.20	3.80	5.20	16.60	3.30	2.30	1.40		
11	2.90	5.60	5.40	2.90	2.80	2.10	6.00	13.60	11.80	3.30	3.00	1.30		
12	3.20	4.40	7.30	6.90	2.70	2.20	4.60	11.20	5.50	5.60	2.10	1.30		
13	4.20	4.10	4.00	11.35	2.80	2.20	3.50	5.30	5.60	26.80	2.00	1.20		
14	4.70	3.90	3.90	7.90	3.30	2.00	3.80	5.70	4.50	16.75	2.00	1.00		
15	6.70	3.80	4.00	5.70	6.50	2.00	2.90	14.35	4.10	4.90	1.90	1.00		
16	3.00	5.40	3.70	3.80	3.50	3.40	10.15	5.90	3.80	4.20	1.80	1.00		
17	2.80	4.80	5.40	3.60	3.70	3.50	9.10	7.30	3.90	3.80	1.80	1.00		
18	2.90	3.50	8.05	3.30	3.20	5.70	7.60	12.25	10.75	3.70	1.80	1.00		
19	2.60	3.30	4.10	3.20	2.60	3.00	7.90	9.25	25.40	3.90	1.80	0.90		
20	3.70	3.10	3.50	3.00	2.50	3.70	5.50	5.20	8.05	3.60	1.80	0.90		
21	3.10	3.00	3.20	3.00	2.80	3.20	7.90	4.40	5.70	4.00	1.80	0.90		
22	2.80	3.50	3.20	3.20	2.50	2.90	16.90	4.20	6.00	4.60	1.80	1.70		
23	2.40	3.10	4.40	7.00	2.30	2.50	4.80	4.50	4.80	3.70	1.70	1.00		
24	2.30	2.90	5.20	9.25	2.40	2.40	4.00	4.30	4.40	4.10	1.60	1.00		
25	10.60	2.80	4.10	6.20	2.30	2.30	3.60	3.70	4.10	4.80	1.60	0.90		
26	22.75	3.80	3.10	7.00	2.20	2.20	5.20	3.90	3.90	3.60	1.60	1.40		
27	5.00	2.90	2.90	16.60	2.30	1.80	12.40	4.60	3.80	3.20	1.60	2.20		
28	4.20	3.70	3.20	4.90	8.20	3.70	17.80	3.60	3.70	3.10	1.60	1.00		
29	3.80	7.60	2.90	4.00	3.10	15.70	13.15	3.60	3.60	3.00		0.90		
30	3.70	8.05	4.00	4.30	2.60	10.75	5.20	3.90	3.60	3.00		0.90		
31		6.40		5.20	4.00		5.00		3.50	3.00		0.80		
Total	148.85	190.05	159.40	171.50	114.65	112.15	203.40	214.55	200.70	152.15	59.90	38.70	1766.00	CMSDAY
Mean	4.96	6.13	5.31	5.53	3.70	3.74	6.56	7.15	6.47	4.91	2.14	1.25	4.84	CMS
Max	22.75	29.20	17.35	16.60	9.85	15.70	17.80	19.75	25.40	26.80	3.00	2.20	29.20	CMS
Min	2.30	2.80	2.90	2.80	2.20	1.80	2.90	3.60	3.50	3.00	1.60	0.80	0.80	CMS
Runoff	12.86	16.42	13.77	14.82	9.91	9.69	17.57	18.54	17.34	13.15	5.18	3.34	152.58	MCM
Momentary Peak	CMS. at 35.83 m. (MSL.) at 01:00 Hours , on Apr 26, 2022													
Runoff Yield	41.35	Liters/Second/Square KM.				Momentary Peak Yield				517.09	Liters/Second/Square KM.			

Khlong Ai To at Ban Khlong Ai To , Phatthalung (X.129)

Location : on left bank at Ban Khlong Ai to.

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023														
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	14.25	14.37	14.10	13.96	13.95	13.88	14.07	14.80	14.21	14.52	15.62	14.09	
	2	14.28	14.41	14.33	13.96	13.99	13.99	14.00	16.15	14.38	14.47	15.50	14.09	
	3	14.73	14.43	14.31	13.94	14.02	13.93	13.99	17.11	14.86	14.42	15.39	14.01	
	4	16.07	14.67	14.13	13.93	13.96	13.95	13.93	16.07	16.82	14.36	15.25	14.01	
	5	15.18	14.47	14.28	14.02	13.91	13.88	13.99	16.56	16.80	14.36	14.88	13.97	
	6	14.99	14.58	14.30	13.95	13.88	13.86	14.29	17.20	15.73	14.29	14.71	13.95	
	7	14.71	14.68	14.33	13.95	13.88	13.85	15.37	17.19	16.14	14.45	14.62	13.93	
	8	14.77	15.41	14.20	13.90	13.85	13.82	15.68	16.46	16.11	14.86	14.49	13.93	
	9	14.56	15.17	14.26	13.90	13.85	13.78	14.75	16.77	17.12	14.60	14.43	13.93	
	10	14.46	14.90	14.18	13.89	13.83	13.77	14.43	15.71	16.92	14.48	14.39	13.88	
	11	14.39	14.75	14.16	13.90	13.82	13.76	14.54	16.20	16.35	14.42	14.36	13.89	
	12	14.33	14.60	14.16	13.91	13.80	13.76	14.76	16.47	15.92	14.38	14.33	13.86	
	13	14.40	14.42	14.13	13.92	13.78	13.78	14.84	16.84	15.83	14.47	14.30	13.86	
	14	14.44	14.38	14.12	13.93	13.79	13.77	14.58	17.30	15.31	14.55	14.27	13.85	
	15	14.32	14.38	14.09	13.91	14.10	13.75	14.58	18.06	15.45	14.40	14.24	13.84	
	16	14.28	14.31	14.05	13.89	14.08	13.76	14.44	17.96	16.37	14.33	14.18	13.83	
	17	14.24	14.34	14.09	13.88	13.92	13.77	14.60	16.79	15.96	14.27	14.23	13.80	
	18	14.21	14.46	14.10	13.91	13.89	13.77	14.53	15.64	19.13	14.25	14.21	13.81	
	19	14.13	14.28	14.32	13.85	13.90	13.79	14.83	15.66	21.04	14.26	14.19	13.80	
	20	14.35	14.20	14.15	13.81	13.87	13.77	15.16	15.02	20.44	14.26	14.23	13.79	
	21	14.40	14.20	14.26	13.81	13.83	13.76	14.86	14.76	18.75	15.43	14.17	13.78	
	22	14.20	14.19	14.12	13.83	13.85	13.76	14.69	14.73	16.98	15.28	14.29	13.78	
	23	14.13	14.24	14.06	13.93	13.82	13.74	14.92	14.70	16.15	15.22	14.16	13.77	
	24	14.10	14.13	14.13	14.04	13.82	13.77	14.98	14.88	15.71	15.13	14.13	13.77	
	25	14.06	14.08	14.11	13.90	13.80	13.75	14.66	14.55	15.42	15.60	14.13	13.77	
	26	14.07	14.05	14.03	13.87	13.78	13.73	14.53	14.46	15.22	15.73	14.18	13.76	
	27	14.50	14.04	14.01	14.12	13.81	13.72	14.93	14.41	15.00	15.09	14.17	13.75	
	28	14.28	14.03	14.01	14.24	14.09	13.85	14.79	14.32	14.87	15.26	14.14	13.74	
	29	14.17	14.14	13.97	14.43	13.97	13.96	14.57	14.26	14.75	15.34		13.73	
	30	14.26	14.19	13										



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	14.00	16.40	11.00	8.20	8.00	6.60	10.40	28.00	13.20	20.00	54.70	10.80	
2	14.60	17.25	15.60	8.20	8.80	8.80	9.00	74.00	16.60	18.75	50.50	10.80	
3	25.90	17.75	15.20	7.80	9.40	7.60	8.80	116.50	29.80	17.50	46.65	9.20	
4	70.80	24.10	11.60	7.60	8.20	8.00	7.60	70.80	102.00	16.20	41.75	9.20	
5	39.40	18.75	14.60	9.40	7.20	6.60	8.80	90.40	101.00	16.20	30.40	8.40	
6	33.70	21.50	15.00	8.00	6.60	6.20	14.80	121.00	58.55	14.80	25.30	8.00	
7	25.30	24.40	15.60	8.00	6.60	6.00	45.95	120.50	73.60	18.25	22.60	7.60	
8	27.10	47.35	13.00	7.00	6.00	5.40	56.80	86.40	72.40	29.80	19.25	7.60	
9	21.00	39.10	14.20	7.00	6.00	4.60	26.50	99.65	117.00	22.00	17.75	7.60	
10	18.50	31.00	12.60	6.80	5.60	4.40	17.75	57.85	107.00	19.00	16.80	6.60	
11	16.80	26.50	12.20	7.00	5.40	4.20	20.50	76.00	82.00	17.50	16.20	6.80	
12	15.60	22.00	12.20	7.20	5.00	4.20	26.80	86.80	65.20	16.60	15.60	6.20	
13	17.00	17.50	11.60	7.40	4.60	4.60	29.20	103.00	62.05	18.75	15.00	6.20	
14	18.00	16.60	11.40	7.60	4.80	4.40	21.50	126.00	43.85	20.75	14.40	6.00	
15	15.40	16.60	10.80	7.20	11.00	4.00	21.50	108.80	48.75	17.00	13.80	5.80	
16	14.60	15.20	10.00	6.80	10.60	4.20	18.00	105.80	82.80	15.60	12.60	5.60	
17	13.80	15.80	10.80	6.60	7.40	4.40	22.00	75.43	66.60	14.40	13.60	5.00	
18	13.20	18.50	11.00	7.20	6.80	4.40	20.25	55.40	229.10	14.00	13.20	5.20	
19	11.60	14.60	15.40	6.00	7.00	4.80	28.90	56.10	320.20	14.20	12.80	5.00	
20	16.00	13.00	12.00	5.20	6.40	4.40	38.80	34.60	214.00	14.20	13.60	4.80	
21	17.00	13.00	14.20	5.20	5.60	4.20	29.80	26.80	129.50	48.05	12.40	4.60	
22	13.00	12.80	11.40	5.60	6.00	4.20	24.70	25.90	80.24	42.80	14.80	4.60	
23	11.60	13.80	10.20	7.60	5.40	3.80	31.60	25.00	59.48	40.70	12.20	4.40	
24	11.00	11.60	11.60	9.80	5.40	4.40	33.40	30.40	57.85	37.90	11.60	4.40	
25	10.20	10.60	11.20	7.00	5.00	4.00	23.80	20.75	47.70	54.00	11.60	4.40	
26	10.40	10.00	9.60	6.40	4.60	3.60	20.25	18.50	40.70	58.55	12.60	4.20	
27	19.50	9.80	9.20	11.40	5.20	3.40	31.90	17.25	34.00	36.70	12.40	4.00	
28	14.60	9.60	9.20	13.80	10.80	6.00	27.70	15.40	30.10	42.10	11.80	3.80	
29	12.40	11.80	8.40	17.75	8.40	8.20	21.25	14.20	26.50	44.90		3.60	
30	14.20	12.80	8.80	12.80	6.80	6.80	23.80	13.40	22.90	61.00		3.40	
31		12.80		9.60	6.20		27.10		21.00	66.25		3.20	
Total	576.20	562.50	359.60	253.15	210.80	156.40	749.15	1900.63	2455.67	888.45	565.90	187.00	8865.45
Mean	19.21	18.15	11.99	8.17	6.80	5.21	24.17	63.35	79.22	28.66	20.21	6.03	24.29
Max	70.80	47.35	15.60	17.75	11.00	8.80	56.80	126.00	320.20	66.25	54.70	10.80	320.20
Min	10.20	9.60	8.40	5.20	4.60	3.40	7.60	13.40	13.20	14.00	11.60	3.20	3.20
Runoff	49.78	48.60	31.07	21.87	18.21	13.51	64.73	164.21	212.17	76.76	48.89	16.16	765.97
Momentary Peak	375.50 CMS. at 21.18 m. (MSL.) at 02.00 Hours , on Dec 19, 2022												
Runoff Yield	79.38	Liters/Second/Square KM.		Momentary Peak Yield		1227.12	Liters/Second/Square KM.						

WATER YEAR : 2022**THALE SAP SONGKHLA****Khlong Lam at Ban Khlong Lam , Phatthalung (X.170)**

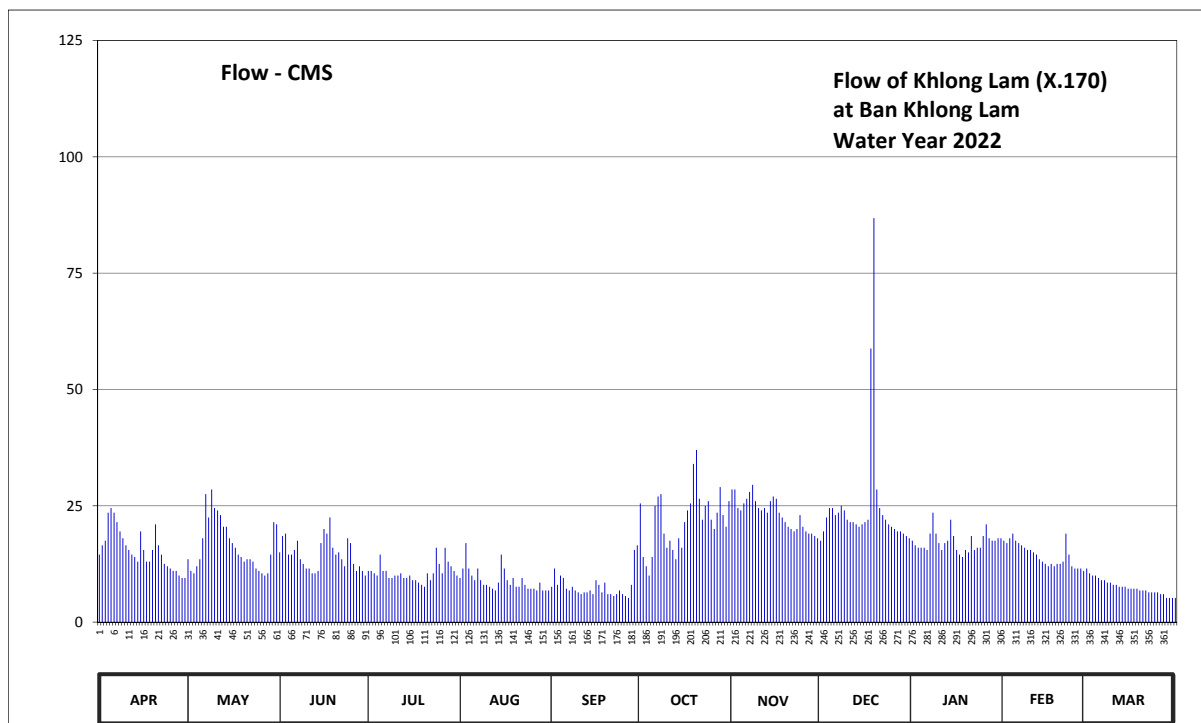
Lat 07 - 33 - 32 N Long 99 - 59 - 15 E

Location : on left bank at the bridge.

	Ban Khlong Lam	Amphoe Srinagarindra	Changwat Phatthalung
Drainge Area	209 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	Beside the telemeter fort building.	Elevation	+27.274 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1987 to date		
Rating Operation			
Period of Rating	1989 to date		
Rated by Float	-		
Rated by Current Meter	1989 to date		
Stability of Channel Regimes	Stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Stage-discharge relation defined by 20 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	20.93	20.91	20.94	20.86	20.83	20.79	21.15	21.21	20.99	20.99	20.99	20.87	
2	20.97	20.86	21.01	20.86	20.87	20.87	20.92	21.21	21.03	20.97	20.98	20.85	
3	20.99	20.85	21.02	20.85	20.98	20.80	20.88	21.13	21.09	20.96	21.00	20.84	
4	21.11	20.88	20.93	20.84	20.87	20.84	20.84	21.12	21.13	20.96	21.02	20.84	
5	21.13	20.91	20.93	20.93	20.84	20.83	20.92	21.15	21.13	20.96	20.99	20.83	
6	21.11	21.00	20.95	20.86	20.82	20.78	21.14	21.17	21.10	20.95	20.98	20.82	
7	21.07	21.19	20.99	20.86	20.87	20.77	21.18	21.20	21.11	21.02	20.97	20.82	
8	21.03	21.09	20.91	20.83	20.82	20.79	21.19	21.23	21.14	21.11	20.96	20.81	
9	21.00	21.21	20.89	20.83	20.80	20.77	21.02	21.16	21.12	21.02	20.95	20.81	
10	20.97	21.13	20.87	20.84	20.80	20.76	20.96	21.13	21.08	20.98	20.95	20.80	
11	20.95	21.12	20.87	20.84	20.79	20.75	20.99	21.12	21.07	20.95	20.94	20.80	
12	20.93	21.10	20.85	20.85	20.78	20.76	20.95	21.13	21.07	20.98	20.93	20.79	
13	20.92	21.05	20.85	20.83	20.77	20.76	20.91	21.11	21.06	20.99	20.91	20.79	
14	20.90	21.05	20.86	20.83	20.81	20.77	21.00	21.16	21.05	21.08	20.90	20.79	
15	21.03	21.00	20.98	20.84	20.93	20.75	20.96	21.18	21.06	21.01	20.89	20.78	
16	20.95	20.98	21.04	20.82	20.87	20.82	21.07	21.17	21.07	20.95	20.88	20.78	
17	20.90	20.96	21.02	20.82	20.82	20.80	21.12	21.11	21.08	20.93	20.89	20.78	
18	20.90	20.93	21.09	20.81	20.80	20.76	21.15	21.09	21.78	20.92	20.88	20.78	
19	20.95	20.92	20.96	20.80	20.83	20.81	21.32	21.07	22.24	20.95	20.89	20.77	
20	21.06	20.90	20.93	20.79	20.79	20.75	21.38	21.05	21.21	20.94	20.89	20.77	
21	20.97	20.91	20.94	20.85	20.79	20.75	21.17	21.04	21.13	21.01	20.90	20.77	
22	20.93	20.91	20.91	20.82	20.83	20.74	21.08	21.03	21.10	20.95	21.02	20.76	
23	20.89	20.90	20.88	20.85	20.80	20.75	21.14	21.04	21.08	20.96	20.93	20.76	
24	20.88	20.87	21.00	20.96	20.78	20.77	21.16	21.10	21.06	20.96	20.88	20.76	
25	20.87	20.86	20.98	20.89	20.78	20.75	21.08	21.05	21.05	21.01	20.87	20.76	
26	20.86	20.85	20.89	20.85	20.78	20.74	21.04	21.03	21.04	21.06	20.87	20.75	
27	20.86	20.84	20.86	20.96	20.77	20.73	21.11	21.02	21.03	21.00	20.87	20.75	
28	20.84	20.85	20.88	20.90	20.81	20.80	21.22	21.02	21.03	20.99	20.86	20.73	
29	20.83	20.93	20.86	20.88	20.77	20.95	21.10	21.01	21.02	20.99		20.73	
30	20.83	21.07	20.84	20.86	20.77	20.97	21.05	21.00	21.01	21.00		20.73	
31		21.06		20.84	20.77		21.16		21.00	21.00		20.73	
Mean	20.95	20.97	20.93	20.85	20.82	20.79	21.08	21.11	21.13	20.99	20.93	20.79	
Max	21.13	21.21	21.09	20.96	20.98	20.97	21.38	21.23	22.24	21.11	21.02	20.87	22.24
Min	20.83	20.84	20.84	20.79	20.77	20.73	20.84	21.00	20.99	20.92	20.86	20.73	20.73
Annual Max Momentary Gage Height	23.46		m. (MSL.) ,				at 24.00 Hours , on Dec 18, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	19.08	m. (MSL.)					
Left Bank Elevation		28.64	m. (MSL.) ,										
Right Bank Elevation		27.38	m. (MSL.) ,			Drainage Are	209	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	14.50	13.50	15.00	11.00	9.50	7.60	25.50	28.50	17.50	17.50	17.50	11.50		
2	16.50	11.00	18.50	11.00	11.50	11.50	14.00	28.50	19.50	16.50	17.00	10.50		
3	17.50	10.50	19.00	10.50	17.00	8.00	12.00	24.50	22.50	16.00	18.00	10.00		
4	23.50	12.00	14.50	10.00	11.50	10.00	10.00	24.00	24.50	16.00	19.00	10.00		
5	24.50	13.50	14.50	14.50	10.00	9.50	14.00	25.50	24.50	16.00	17.50	9.50		
6	23.50	18.00	15.50	11.00	9.00	7.20	25.00	26.50	23.00	15.50	17.00	9.00		
7	21.50	27.50	17.50	11.00	11.50	6.80	27.00	28.00	23.50	19.00	16.50	9.00		
8	19.50	22.50	13.50	9.50	9.00	7.60	27.50	29.50	25.00	23.50	16.00	8.50		
9	18.00	28.50	12.50	9.50	8.00	6.80	19.00	26.00	24.00	19.00	15.50	8.50		
10	16.50	24.50	11.50	10.00	8.00	6.40	16.00	24.50	22.00	17.00	15.50	8.00		
11	15.50	24.00	11.50	10.00	7.60	6.00	17.50	24.00	21.50	15.50	15.00	8.00		
12	14.50	23.00	10.50	10.50	7.20	6.40	15.50	24.50	21.50	17.00	14.50	7.60		
13	14.00	20.50	10.50	9.50	6.80	6.40	13.50	23.50	21.00	17.50	13.50	7.60		
14	13.00	20.50	11.00	9.50	8.50	6.80	18.00	26.00	20.50	22.00	13.00	7.60		
15	19.50	18.00	17.00	10.00	14.50	6.00	16.00	27.00	21.00	18.50	12.50	7.20		
16	15.50	17.00	20.00	9.00	11.50	9.00	21.50	26.50	21.50	15.50	12.00	7.20		
17	13.00	16.00	19.00	9.00	9.00	8.00	24.00	23.50	22.00	14.50	12.50	7.20		
18	13.00	14.50	22.50	8.50	8.00	6.40	25.50	22.50	58.80	14.00	12.00	7.20		
19	15.50	14.00	16.00	8.00	9.50	8.50	34.00	21.50	86.80	15.50	12.50	6.80		
20	21.00	13.00	14.50	7.60	7.60	6.00	37.00	20.50	28.50	15.00	12.50	6.80		
21	16.50	13.50	15.00	10.50	7.60	6.00	26.50	20.00	24.50	18.50	13.00	6.80		
22	14.50	13.50	13.50	9.00	9.50	5.60	22.00	19.50	23.00	15.50	19.00	6.40		
23	12.50	13.00	12.00	10.50	8.00	6.00	25.00	20.00	22.00	16.00	14.50	6.40		
24	12.00	11.50	18.00	16.00	7.20	6.80	26.00	23.00	21.00	16.00	12.00	6.40		
25	11.50	11.00	17.00	12.50	7.20	6.00	22.00	20.50	20.50	18.50	11.50	6.40		
26	11.00	10.50	12.50	10.50	7.20	5.60	20.00	19.50	20.00	21.00	11.50	6.00		
27	11.00	10.00	11.00	16.00	6.80	5.20	23.50	19.00	19.50	18.00	11.50	6.00		
28	10.00	10.50	12.00	13.00	8.50	8.00	29.00	19.00	19.50	17.50	11.00	5.20		
29	9.50	14.50	11.00	12.00	6.80	15.50	23.00	18.50	19.00	17.50		5.20		
30	9.50	21.50	10.00	11.00	6.80	16.50	20.50	18.00	18.50	18.00		5.20		
31		21.00		10.00	6.80		26.00		18.00	18.00		5.20		
Total	468.00	512.50	436.50	330.60	277.60	232.10	676.00	702.00	774.60	535.50	403.50	232.90	5581.80	CMSDAY
Mean	15.60	16.53	14.55	10.66	8.95	7.74	21.81	23.40	24.99	17.27	14.41	7.51	15.29	CMS
Max	24.50	28.50	22.50	16.00	17.00	16.50	37.00	29.50	86.80	23.50	19.00	11.50	86.80	CMS
Min	9.50	10.00	10.00	7.60	6.80	5.20	10.00	18.00	17.50	14.00	11.00	5.20	5.20	CMS
Runoff	40.44	44.28	37.71	28.56	23.98	20.05	58.41	60.65	66.93	46.27	34.86	20.12	482.27	MCM
Momentary Peak	183.40 CMS. at 23.46 m. (MSL.) at 24.00 Hours , on Dec 18, 2022													
Runoff Yield	73.17	Liters/Second/Square KM.				Momentary Peak Yield				877.51	Liters/Second/Square KM.			

WATER YEAR : 2022**THALE SAP SONGKHLA****Khlong U - Taphao at Ban Muang Kong , Songkhla (X.173A)**

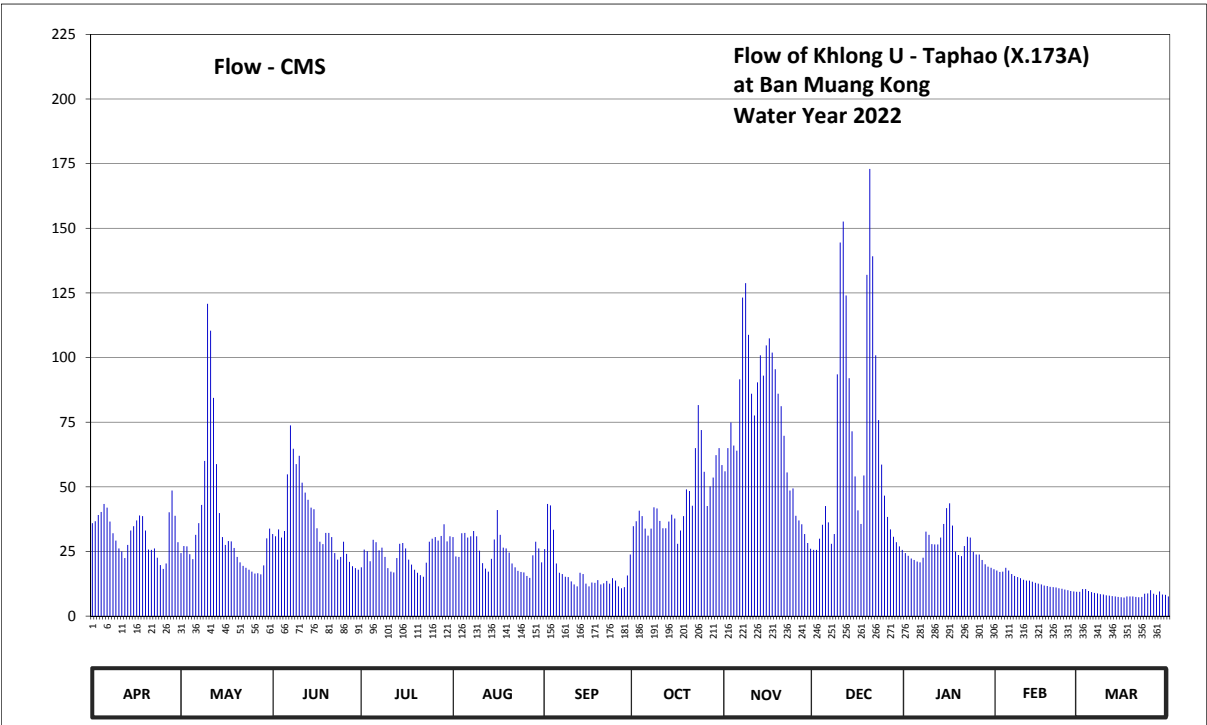
Lat 06 - 49 - 24 N Long 100 - 26 - 18 E

Location : on right bank at the bridge on Hat Yai - Sadao Highway.

	Ban	Muang Kong	Amphoe	Sadao	Changwat	Songkhla
Drainge Area	997	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Beside the telemeter fort building.				Elevation	+16.125 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2006 to date					
Rating Operation						
Period of Rating	2006 to date					
Rated by Float	-					
Rated by Current Meter	2006 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 14.120 m.(MSL.), records are channel flow only.					
General Description	Records very good. Stage-discharge relation defined by 24 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	11.93	11.16	11.65	10.79	11.57	11.26	11.85	13.05	11.24	11.16	10.71	10.16	
2	11.98	11.34	11.59	11.25	11.07	12.42	11.98	13.44	11.24	11.09	10.67	10.23	
3	12.14	11.33	11.77	11.21	11.06	12.39	12.25	13.83	11.53	11.02	10.68	10.23	
4	12.22	11.13	11.56	10.95	11.67	11.76	12.11	13.48	11.89	10.98	10.78	10.18	
5	12.42	11.00	11.73	11.50	11.68	10.89	11.79	13.40	12.37	10.94	10.71	10.15	
6	12.33	11.63	12.99	11.44	11.56	10.65	11.61	14.29	11.95	10.92	10.62	10.13	
7	11.97	11.93	13.79	11.23	11.59	10.62	11.79	14.79	11.40	11.04	10.57	10.12	
8	11.67	12.40	13.43	11.30	11.73	10.55	12.34	14.86	11.65	11.71	10.54	10.10	
9	11.48	13.24	13.19	11.06	11.59	10.54	12.31	14.61	14.33	11.63	10.51	10.09	
10	11.28	14.76	13.32	10.77	11.22	10.43	11.99	14.15	15.05	11.39	10.47	10.07	
11	11.20	14.63	12.83	10.68	10.90	10.35	11.80	13.92	15.14	11.38	10.45	10.06	
12	11.03	14.11	12.64	10.66	10.76	10.30	11.80	14.26	14.80	11.38	10.45	10.05	
13	11.37	13.19	12.50	11.03	10.68	10.65	11.97	14.47	14.30	11.56	10.42	10.04	
14	11.74	12.19	12.33	11.40	11.01	10.62	12.15	14.32	13.70	11.91	10.39	10.03	
15	11.85	11.57	12.29	11.42	11.51	10.37	12.05	14.54	12.95	12.32	10.37	10.02	
16	12.00	11.37	11.80	11.28	12.27	10.30	11.40	14.59	12.26	12.43	10.35	10.01	
17	12.13	11.47	11.45	10.99	11.63	10.40	11.74	14.49	11.91	11.87	10.32	10.04	
18	12.11	11.46	11.39	10.86	11.30	10.39	12.11	14.37	12.97	11.20	10.31	10.04	
19	11.74	11.29	11.68	10.73	11.28	10.46	12.70	14.15	14.90	11.11	10.29	10.04	
20	11.25	11.06	11.68	10.65	11.17	10.35	12.67	14.03	15.35	11.08	10.28	10.03	
21	11.24	10.92	11.57	10.59	10.89	10.38	12.38	13.63	14.99	11.34	10.27	10.02	
22	11.28	10.83	11.16	10.55	10.79	10.44	13.44	13.03	14.47	11.58	10.25	10.03	
23	11.04	10.78	10.99	10.91	10.70	10.37	14.04	12.68	13.86	11.56	10.24	10.11	
24	10.85	10.73	11.06	11.45	10.67	10.51	13.72	12.72	13.18	11.19	10.22	10.12	
25	10.75	10.68	11.45	11.53	10.66	10.45	13.04	12.12	12.58	11.12	10.20	10.20	
26	10.89	10.63	11.14	11.57	10.57	10.30	12.37	12.00	12.09	11.12	10.18	10.11	
27	12.21	10.64	10.93	11.48	10.52	10.25	12.76	11.90	11.77	10.98	10.17	10.08	
28	12.68	10.61	10.82	11.60	11.10	10.28	12.93	11.65	11.58	10.87	10.16	10.17	
29	12.12	10.84	10.77	11.90	11.45	10.58	13.33	11.42	11.44	10.81		10.09	
30	11.44	11.54	10.73	11.46	11.28	11.12	13.44	11.27	11.33	10.78		10.08	
31		11.79		11.59	10.92		13.17		11.24	10.74		10.04	
Mean	11.68	11.69	11.87	11.16	11.19	10.68	12.42	13.52	12.89	11.30	10.41	10.09	
Max	12.68	14.76	13.79	11.90	12.27	12.42	14.04	14.86	15.35	12.43	10.78	10.23	15.35
Min	10.75	10.61	10.73	10.55	10.52	10.25	11.40	11.27	11.24	10.74	10.16	10.01	10.01
Annual Max Momentary Gage Height	15.39		m. (MSL.) ,				at 08.00 Hours , on Dec 20, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	8.77	m. (MSL.)					
Left Bank Elevation		14.11	m. (MSL.) ,										
Right Bank Elevation		16.13	m. (MSL.) ,			Drainage Are	997	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	35.95	24.40	31.75	18.85	30.55	25.90	34.75	56.00	25.60	24.40	17.65	9.40		
2	36.70	27.10	30.85	25.75	23.05	43.40	36.70	65.00	25.60	23.35	17.05	10.45		
3	39.10	26.95	33.55	25.15	22.90	42.85	40.75	74.90	29.95	22.30	17.20	10.45		
4	40.30	23.95	30.40	21.25	32.05	33.40	38.65	66.00	35.35	21.70	18.70	9.70		
5	43.40	22.00	32.95	29.50	32.20	20.35	33.85	64.00	42.55	21.10	17.65	9.25		
6	41.95	31.45	54.80	28.60	30.40	16.75	31.15	91.60	36.25	20.80	16.30	8.95		
7	36.55	35.95	73.75	25.45	30.85	16.30	33.85	123.20	28.00	22.60	15.55	8.80		
8	32.05	43.00	64.75	26.50	32.95	15.25	42.10	128.80	31.75	32.65	15.10	8.50		
9	29.20	60.00	58.80	22.90	30.85	15.10	41.65	108.80	93.50	31.45	14.65	8.35		
10	26.20	120.80	62.00	18.55	25.30	13.45	36.85	86.00	144.50	27.85	14.05	8.05		
11	25.00	110.40	51.60	17.20	20.50	12.25	34.00	77.60	152.60	27.70	13.75	7.90		
12	22.45	84.40	47.80	16.90	18.40	11.50	34.00	90.40	124.00	27.70	13.75	7.75		
13	27.55	58.80	45.00	22.45	17.20	16.75	36.55	100.85	92.00	30.40	13.30	7.60		
14	33.10	39.85	41.95	28.00	22.15	16.30	39.25	93.00	71.50	35.65	12.85	7.45		
15	34.75	30.55	41.35	28.30	29.65	12.55	37.75	104.70	54.00	41.80	12.55	7.30		
16	37.00	27.55	34.00	26.20	41.05	11.50	28.00	107.45	40.90	43.60	12.25	7.15		
17	38.95	29.05	28.75	21.85	31.45	13.00	33.10	101.95	35.65	35.05	11.80	7.60		
18	38.65	28.90	27.85	19.90	26.50	12.85	38.65	95.50	54.40	25.00	11.65	7.60		
19	33.10	26.35	32.20	17.95	26.20	13.90	49.00	86.00	132.00	23.65	11.35	7.60		
20	25.75	22.90	32.20	16.75	24.55	12.25	48.40	81.20	173.00	23.20	11.20	7.45		
21	25.60	20.80	30.55	15.85	20.35	12.70	42.70	69.75	139.20	27.10	11.05	7.30		
22	26.20	19.45	24.40	15.25	18.85	13.60	65.00	55.60	100.85	30.70	10.75	7.45		
23	22.60	18.70	21.85	20.65	17.50	12.55	81.60	48.60	75.80	30.40	10.60	8.65		
24	19.75	17.95	22.90	28.75	17.05	14.65	72.00	49.40	58.60	24.85	10.30	8.80		
25	18.25	17.20	28.75	29.95	16.90	13.75	55.80	38.80	46.60	23.80	10.00	10.00		
26	20.35	16.45	24.10	30.55	15.55	11.50	42.55	37.00	38.35	23.80	9.70	8.65		
27	40.15	16.60	20.95	29.20	14.80	10.75	50.20	35.50	33.55	21.70	9.55	8.20		
28	48.60	16.15	19.30	31.00	23.50	11.20	53.60	31.75	30.70	20.05	9.40	9.55		
29	38.80	19.60	18.55	35.50	28.75	15.70	62.25	28.30	28.60	19.15		8.35		
30	28.60	30.10	17.95	28.90	26.20	23.80	65.00	26.05	26.95	18.70		8.20		
31		33.85		30.85	20.80		58.40		25.60	18.10		7.60		
Total	966.60	1101.20	1085.60	754.45	769.00	515.80	1398.10	2223.70	2027.90	820.30	369.70	260.05	12292.40	CMSDAY
Mean	32.22	35.52	36.19	24.34	24.81	17.19	45.10	74.12	65.42	26.46	13.20	8.39	33.68	CMS
Max	48.60	120.80	73.75	35.50	41.05	43.40	81.60	128.80	173.00	43.60	18.70	10.45	173.00	CMS
Min	18.25	16.15	17.95	15.25	14.80	10.75	28.00	26.05	25.60	18.10	9.40	7.15	7.15	CMS
Runoff	83.51	95.14	93.80	65.18	66.44	44.57	120.80	192.13	175.21	70.87	31.94	22.47	1062.06	MCM
Momentary Peak	177.00 CMS. at 15.39 m. (MSL.) at 08.00 Hours , on Dec 20, 2022													
Runoff Yield	33.78	Liters/Second/Square KM.			Momentary Peak Yield		177.53	Liters/Second/Square KM.						

WATER YEAR : 2022

THALE SAP SONGKHLA

Khlong Wa at Ban Khlong Wa , Songkhla (X.174)

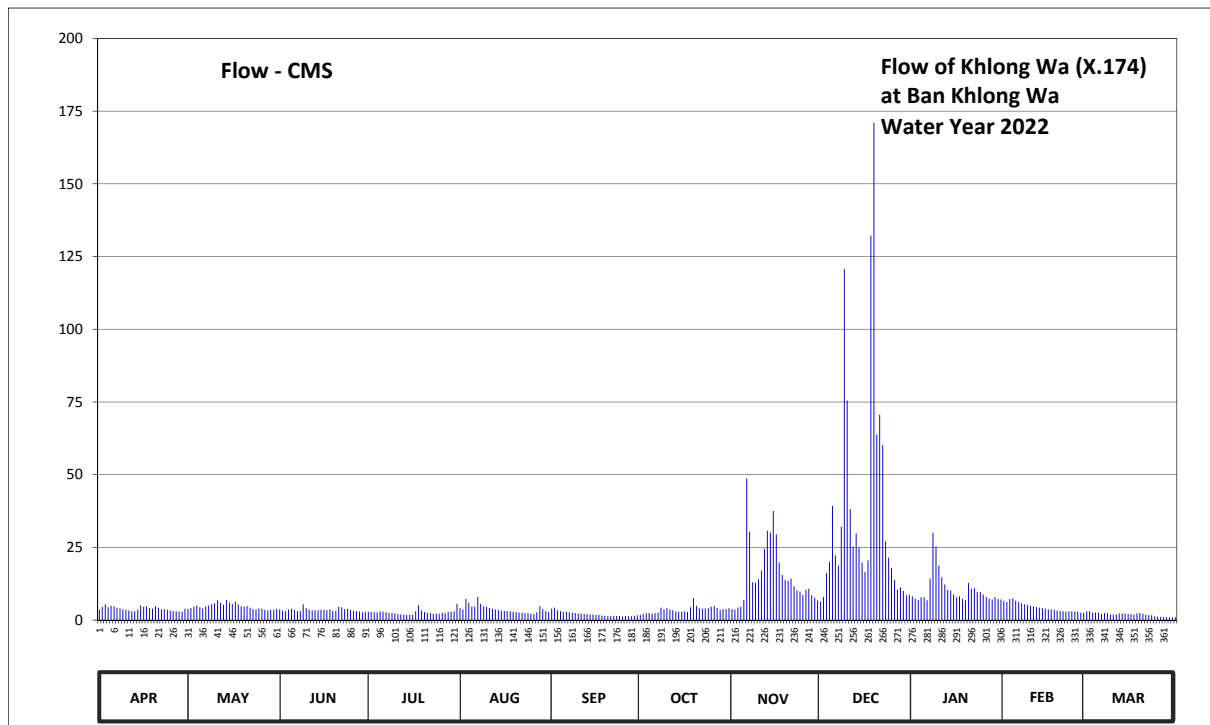
Lat 06 - 59 - 11 N Long 100 - 28 - 55 E

Location : on right bank at the bridge.

	Ban Khlong Wa	Amphoe Hat Yai	Changwat Songkhla
Drainge Area	106 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank at the abutment of the bridge.	Elevation	+11.138 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1989 to date		
Rating Operation			
Period of Rating	1989 to date		
Rated by Float	-		
Rated by Current Meter	1989 to date		
Stability of Channel Regimes	Stable.		
Overbank Flow Conditions	Overbank flow starts at elevation + 8.890 m.(MSL.), records are channel flow only.		
General Description	Records fair. Stage-discharge relation defined by 20 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.47	4.48	4.46	4.39	4.51	4.50	4.28	4.48	4.69	4.81	4.71	4.40	
2	4.55	4.52	4.43	4.38	4.47	4.53	4.32	4.47	4.80	4.76	4.68	4.41	
3	4.63	4.56	4.41	4.37	4.75	4.44	4.33	4.53	5.17	4.73	4.75	4.36	
4	4.54	4.60	4.46	4.37	4.67	4.41	4.34	4.56	5.32	4.79	4.77	4.36	
5	4.59	4.54	4.49	4.40	4.56	4.38	4.32	4.73	5.95	4.79	4.71	4.36	
6	4.57	4.50	4.45	4.39	4.56	4.39	4.34	6.22	5.41	4.72	4.68	4.31	
7	4.53	4.57	4.41	4.37	4.80	4.37	4.36	5.68	5.27	5.09	4.65	4.34	
8	4.50	4.60	4.41	4.35	4.64	4.35	4.53	5.04	5.74	5.67	4.63	4.34	
9	4.47	4.63	4.63	4.34	4.58	4.34	4.47	5.03	7.83	5.51	4.61	4.29	
10	4.45	4.65	4.51	4.33	4.56	4.33	4.51	5.08	6.90	5.27	4.59	4.29	
11	4.43	4.72	4.46	4.31	4.52	4.32	4.47	5.20	5.92	5.11	4.57	4.30	
12	4.40	4.67	4.43	4.30	4.49	4.31	4.44	5.48	5.51	5.01	4.55	4.33	
13	4.41	4.62	4.44	4.29	4.47	4.31	4.40	5.69	5.66	4.92	4.53	4.33	
14	4.47	4.73	4.44	4.28	4.45	4.30	4.39	5.67	5.50	4.91	4.51	4.32	
15	4.60	4.67	4.45	4.29	4.43	4.29	4.39	5.90	5.31	4.84	4.49	4.31	
16	4.56	4.64	4.45	4.28	4.42	4.28	4.40	5.65	5.18	4.79	4.47	4.31	
17	4.58	4.69	4.44	4.40	4.41	4.28	4.38	5.31	5.34	4.81	4.47	4.29	
18	4.51	4.63	4.47	4.61	4.40	4.26	4.54	5.14	8.02	4.75	4.45	4.33	
19	4.49	4.57	4.42	4.44	4.39	4.25	4.77	5.07	8.60	4.72	4.43	4.34	
20	4.58	4.56	4.42	4.38	4.37	4.24	4.59	5.06	6.62	5.03	4.42	4.32	
21	4.53	4.59	4.56	4.35	4.36	4.24	4.51	5.09	6.79	4.94	4.41	4.29	
22	4.46	4.53	4.54	4.34	4.36	4.25	4.49	4.98	6.53	4.95	4.39	4.27	
23	4.48	4.48	4.48	4.32	4.34	4.24	4.50	4.91	5.57	4.89	4.40	4.27	
24	4.46	4.47	4.49	4.32	4.34	4.24	4.50	4.89	5.38	4.88	4.40	4.23	
25	4.43	4.50	4.45	4.32	4.32	4.22	4.56	4.83	5.24	4.84	4.40	4.22	
26	4.41	4.49	4.42	4.35	4.31	4.24	4.59	4.92	5.07	4.80	4.39	4.21	
27	4.41	4.45	4.41	4.34	4.37	4.23	4.52	4.94	4.92	4.76	4.35	4.20	
28	4.39	4.43	4.39	4.38	4.58	4.23	4.45	4.83	4.96	4.74	4.35	4.20	
29	4.39	4.45	4.37	4.39	4.48	4.24	4.48	4.78	4.90	4.79		4.20	
30	4.49	4.45	4.39	4.40	4.41	4.27	4.48	4.72	4.83	4.75		4.19	
31		4.49		4.64	4.38		4.51		4.84	4.74		4.19	
Mean	4.49	4.56	4.45	4.37	4.47	4.31	4.46	5.10	5.73	4.91	4.53	4.29	
Max	4.63	4.73	4.63	4.64	4.80	4.53	4.77	6.22	8.60	5.67	4.77	4.41	8.60
Min	4.39	4.43	4.37	4.28	4.31	4.22	4.28	4.47	4.69	4.72	4.35	4.19	4.19
Annual Max Momentary Gage Height	10.05		m. (MSL.) ,				at 22.00 Hours , on Dec 18, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	3.75	m. (MSL.)					
Left Bank Elevation		9.00	m. (MSL.) ,										
Right Bank Elevation		8.88	m. (MSL.) ,			Drainage Are	106	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.70	3.80	3.60	2.90	4.10	4.00	1.80	3.80	6.35	8.20	6.65	3.00		
2	4.50	4.20	3.30	2.80	3.70	4.30	2.20	3.70	8.00	7.40	6.20	3.10		
3	5.45	4.60	3.10	2.70	7.25	3.40	2.30	4.30	16.25	6.95	7.25	2.60		
4	4.40	5.00	3.60	2.70	6.05	3.10	2.40	4.60	20.00	7.85	7.55	2.60		
5	4.90	4.40	3.90	3.00	4.60	2.80	2.20	6.95	39.25	7.85	6.65	2.60		
6	4.70	4.00	3.50	2.90	4.60	2.90	2.40	48.70	22.30	6.80	6.20	2.10		
7	4.30	4.70	3.10	2.70	8.00	2.70	2.60	30.40	18.75	14.25	5.75	2.40		
8	4.00	5.00	3.10	2.50	5.60	2.50	4.30	13.00	32.20	30.10	5.45	2.40		
9	3.70	5.45	5.45	2.40	4.80	2.40	3.70	12.75	120.80	25.30	5.15	1.90		
10	3.50	5.75	4.10	2.30	4.60	2.30	4.10	14.00	75.50	18.75	4.90	1.90		
11	3.30	6.80	3.60	2.10	4.20	2.20	3.70	17.00	38.20	14.75	4.70	2.00		
12	3.00	6.05	3.30	2.00	3.90	2.10	3.40	24.40	25.30	12.25	4.50	2.30		
13	3.10	5.30	3.40	1.90	3.70	2.10	3.00	30.70	29.80	10.40	4.30	2.30		
14	3.70	6.95	3.40	1.80	3.50	2.00	2.90	30.10	25.00	10.20	4.10	2.20		
15	5.00	6.05	3.50	1.90	3.30	1.90	2.90	37.50	19.75	8.80	3.90	2.10		
16	4.60	5.60	3.50	1.80	3.20	1.80	3.00	29.50	16.50	7.85	3.70	2.10		
17	4.80	6.35	3.40	3.00	3.10	1.80	2.80	19.75	20.50	8.20	3.70	1.90		
18	4.10	5.45	3.70	5.15	3.00	1.60	4.40	15.50	132.20	7.25	3.50	2.30		
19	3.90	4.70	3.20	3.40	2.90	1.50	7.55	13.75	171.00	6.80	3.30	2.40		
20	4.80	4.60	3.20	2.80	2.70	1.40	4.90	13.50	63.80	12.75	3.20	2.20		
21	4.30	4.90	4.60	2.50	2.60	1.40	4.10	14.25	70.60	10.80	3.10	1.90		
22	3.60	4.30	4.40	2.40	2.60	1.50	3.90	11.60	60.20	11.00	2.90	1.70		
23	3.80	3.80	3.80	2.20	2.40	1.40	4.00	10.20	27.10	9.80	3.00	1.70		
24	3.60	3.70	3.90	2.20	2.40	1.40	4.00	9.80	21.50	9.60	3.00	1.30		
25	3.30	4.00	3.50	2.20	2.20	1.20	4.60	8.60	18.00	8.80	3.00	1.20		
26	3.10	3.90	3.20	2.50	2.10	1.40	4.90	10.40	13.75	8.00	2.90	1.10		
27	3.10	3.50	3.10	2.40	2.70	1.30	4.20	10.80	10.40	7.40	2.50	1.00		
28	2.90	3.30	2.90	2.80	4.80	1.30	3.50	8.60	11.20	7.10	2.50	1.00		
29	2.90	3.50	2.70	2.90	3.80	1.40	3.80	7.70	10.00	7.85		1.00		
30	3.90	3.50	2.90	3.00	3.10	1.70	3.80	6.80	8.60	7.25		0.95		
31		3.90		5.60	2.80		4.10		8.80	7.10		0.95		
Total	117.95	147.05	105.95	83.45	118.30	62.80	111.45	472.65	1161.60	327.40	123.55	60.20	2892.35	CMSDAY
Mean	3.93	4.74	3.53	2.69	3.82	2.09	3.60	15.76	37.47	10.56	4.41	1.94	7.92	CMS
Max	5.45	6.95	5.45	5.60	8.00	4.30	7.55	48.70	171.00	30.10	7.55	3.10	171.00	CMS
Min	2.90	3.30	2.70	1.80	2.10	1.20	1.80	3.70	6.35	6.80	2.50	0.95	0.95	CMS
Runoff	10.19	12.71	9.15	7.21	10.22	5.43	9.63	40.84	100.36	28.29	10.67	5.20	249.90	MCM
Momentary Peak	295.00 CMS. at 10.05 m. (MSL.) at 22.00 Hours , on Dec 18, 2022													
Runoff Yield	74.76 Liters/Second/Square KM.				Momentary Peak Yield 2783.02				Liters/Second/Square KM.					

WATER YEAR : 2022**THALE SAP SONGKHLA****Upper Khlong Wat at Ban Hu Rae , Songkhla (X.240)**

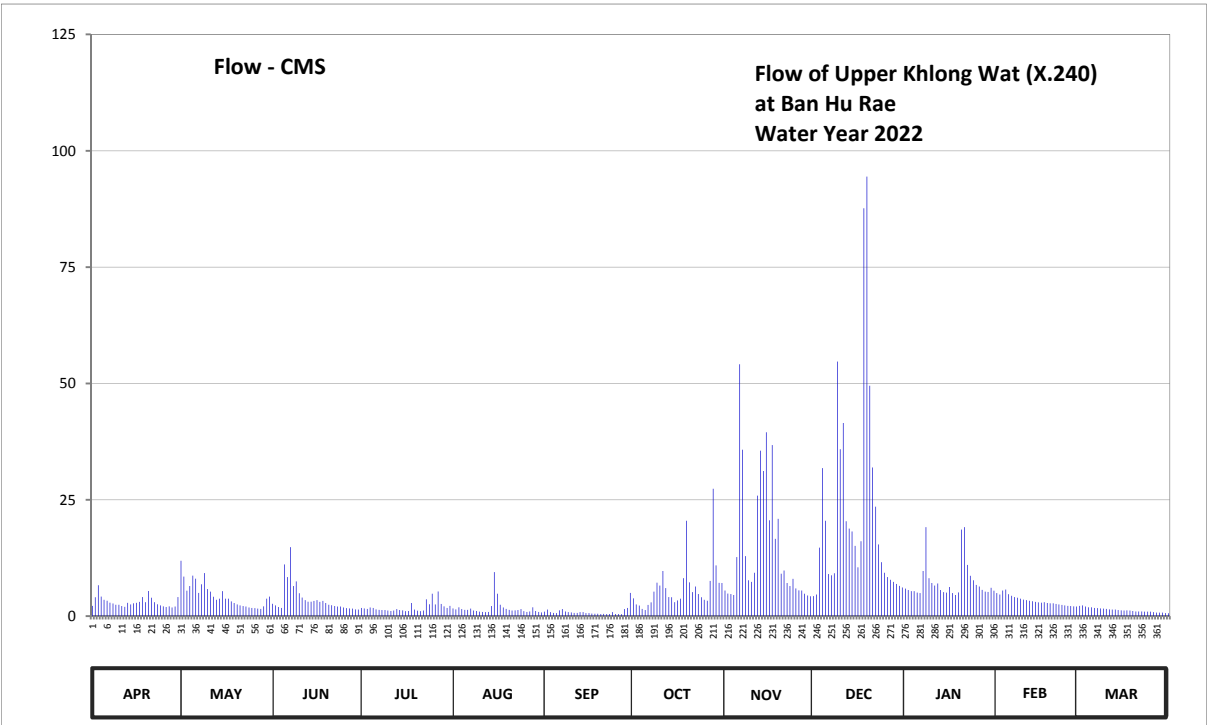
Lat 06 - 58 - 59 N Long 100 - 19 - 42 E

Location : on right bank at the bridge.

	Ban	Hu Rae	Amphoe	Hat Yai	Changwat	Songkhla
Drainge Area	119	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the top staff gage.				Elevation	+22.876 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2004 to date					
Rating Operation						
Period of Rating	2004 to date					
Rated by Float	-					
Rated by Current Meter	2004 to date					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	Overbank flow starts at elevation + 21.940 m.(MSL.), records are channel flow only.					
General Description	Records very good. Stage-discharge relation defined by 28 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	17.94	19.64	18.03	17.85	17.83	17.69	18.26	18.60	18.36	18.68	18.49	17.94	
2	18.31	19.20	17.96	17.83	17.79	17.78	18.00	18.47	18.43	18.62	18.43	17.96	
3	18.83	18.59	17.89	17.81	17.88	17.67	17.95	18.45	19.92	18.57	18.60	17.91	
4	18.34	18.79	17.85	17.87	17.80	17.64	17.81	18.41	21.42	18.57	18.64	17.88	
5	18.20	19.24	19.56	17.85	17.77	17.63	17.76	19.72	20.50	18.51	18.44	17.88	
6	18.16	19.11	19.18	17.79	17.77	17.75	17.98	22.52	19.31	18.49	18.37	17.85	
7	18.08	18.50	19.93	17.77	17.82	17.80	18.09	22.25	19.25	19.42	18.32	17.84	
8	18.04	18.87	18.79	17.76	17.74	17.70	18.55	19.74	19.34	20.36	18.29	17.83	
9	17.99	19.35	18.99	17.76	17.72	17.67	18.94	19.04	22.54	19.13	18.25	17.82	
10	17.99	18.66	18.48	17.74	17.69	17.66	18.81	18.97	21.69	18.92	18.21	17.81	
11	17.93	18.55	18.30	17.72	17.68	17.64	19.42	19.36	22.00	18.81	18.19	17.79	
12	17.90	18.33	18.19	17.74	17.67	17.64	18.70	20.99	20.49	18.90	18.16	17.78	
13	18.07	18.20	18.12	17.80	17.68	17.67	18.32	21.67	20.33	18.62	18.14	17.78	
14	18.00	18.25	18.12	17.76	17.93	17.67	18.31	21.38	20.27	18.53	18.11	17.76	
15	18.05	18.57	18.15	17.75	19.39	17.63	18.10	21.90	19.96	18.51	18.09	17.75	
16	18.07	18.25	18.19	17.71	18.46	17.63	18.17	20.51	19.50	18.75	18.08	17.74	
17	18.11	18.25	18.11	17.72	17.99	17.61	18.25	21.75	20.06	18.49	18.10	17.75	
18	18.32	18.13	18.15	18.06	17.87	17.60	19.13	20.11	23.29	18.41	18.06	17.74	
19	18.10	18.06	18.06	17.78	17.81	17.60	20.50	20.54	23.37	18.52	18.05	17.72	
20	18.58	18.00	17.99	17.73	17.77	17.58	18.95	19.32	22.36	20.31	18.05	17.70	
21	18.29	17.96	17.97	17.71	17.74	17.59	18.53	19.43	21.43	20.36	18.02	17.70	
22	18.10	17.93	17.93	17.74	17.75	17.58	18.77	18.92	20.80	19.55	18.00	17.70	
23	18.01	17.91	17.91	18.22	17.76	17.58	18.45	18.79	19.99	19.23	17.98	17.69	
24	17.96	17.87	17.91	18.01	17.80	17.67	18.31	19.10	19.61	19.04	17.96	17.69	
25	17.92	17.85	17.87	18.46	17.71	17.58	18.20	18.69	19.36	18.84	17.94	17.69	
26	17.89	17.84	17.84	18.00	17.68	17.57	18.16	18.61	19.18	18.77	17.93	17.67	
27	17.92	17.82	17.83	18.56	17.70	17.56	19.01	18.60	19.06	18.63	17.92	17.65	
28	17.87	17.81	17.82	18.02	17.88	17.80	21.79	18.46	18.97	18.55	17.91	17.65	
29	17.91	17.92	17.79	17.92	17.72	17.85	19.54	18.39	18.88	18.54		17.65	
30	18.32	18.25	17.78	17.85	17.68	18.50	18.93	18.35	18.80	18.72		17.63	
31		18.34		17.94	17.66		18.92		18.73	18.59		17.62	
Mean	18.11	18.39	18.22	17.88	17.84	17.68	18.66	19.70	20.23	18.90	18.17	17.76	
Max	18.83	19.64	19.93	18.56	19.39	18.50	21.79	22.52	23.37	20.36	18.64	17.96	23.37
Min	17.87	17.81	17.78	17.71	17.66	17.56	17.76	18.35	18.36	18.41	17.91	17.62	17.56
Annual Max Momentary Gage Height	24.14		m. (MSL.) ,			at 19.00 Hours ,	on Dec 18, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	16.86	m. (MSL.)					
Left Bank Elevation		21.93	m. (MSL.) ,										
Right Bank Elevation		21.94	m. (MSL.) ,			Drainage Are	119	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.20	11.90	2.65	1.75	1.65	0.95	3.80	5.50	4.30	5.90	4.95	2.20	
2	4.05	8.50	2.30	1.65	1.45	1.40	2.50	4.85	4.65	5.60	4.65	2.30	
3	6.65	5.45	1.95	1.55	1.90	0.85	2.25	4.75	14.70	5.35	5.50	2.05	
4	4.20	6.45	1.75	1.85	1.50	0.70	1.55	4.55	31.80	5.35	5.70	1.90	
5	3.50	8.70	11.10	1.75	1.35	0.65	1.30	12.70	20.50	5.05	4.70	1.90	
6	3.30	8.05	8.40	1.45	1.35	1.25	2.40	54.10	9.05	4.95	4.35	1.75	
7	2.90	5.00	14.80	1.35	1.60	1.50	2.95	35.75	8.75	9.70	4.10	1.70	
8	2.70	6.85	6.45	1.30	1.20	1.00	5.25	12.90	9.20	19.10	3.95	1.65	
9	2.45	9.25	7.45	1.30	1.10	0.85	7.20	7.70	54.70	8.15	3.75	1.60	
10	2.45	5.80	4.90	1.20	0.95	0.80	6.55	7.35	35.85	7.10	3.55	1.55	
11	2.15	5.25	4.00	1.10	0.90	0.70	9.70	9.30	41.50	6.55	3.45	1.45	
12	2.00	4.15	3.45	1.20	0.85	0.70	6.00	25.88	20.40	7.00	3.30	1.40	
13	2.85	3.50	3.10	1.50	0.90	0.85	4.10	35.55	18.80	5.60	3.20	1.40	
14	2.50	3.75	3.10	1.30	2.15	0.85	4.05	31.20	18.20	5.15	3.05	1.30	
15	2.75	5.35	3.25	1.25	9.45	0.65	3.00	39.50	15.10	5.05	2.95	1.25	
16	2.85	3.75	3.45	1.05	4.80	0.65	3.35	20.60	10.50	6.25	2.90	1.20	
17	3.05	3.75	3.05	1.10	2.45	0.55	3.75	36.75	16.10	4.95	3.00	1.25	
18	4.10	3.15	3.25	2.80	1.85	0.50	8.15	16.60	87.65	4.55	2.80	1.20	
19	3.00	2.80	2.80	1.40	1.55	0.50	20.50	20.90	94.45	5.10	2.75	1.10	
20	5.40	2.50	2.45	1.15	1.35	0.45	7.25	9.10	49.50	18.60	2.75	1.00	
21	3.95	2.30	2.35	1.05	1.20	0.48	5.15	9.80	31.95	19.10	2.60	1.00	
22	3.00	2.15	2.15	1.20	1.25	0.45	6.35	7.10	23.50	11.00	2.50	1.00	
23	2.55	2.05	2.05	3.60	1.30	0.45	4.75	6.45	15.40	8.65	2.40	0.95	
24	2.30	1.85	2.05	2.55	1.50	0.85	4.05	8.00	11.60	7.70	2.30	0.95	
25	2.10	1.75	1.85	4.80	1.05	0.45	3.50	5.95	9.30	6.70	2.20	0.95	
26	1.95	1.70	1.70	2.50	0.90	0.43	3.30	5.55	8.40	6.35	2.15	0.85	
27	2.10	1.60	1.65	5.30	1.00	0.40	7.55	5.50	7.80	5.65	2.10	0.75	
28	1.85	1.55	1.60	2.60	1.90	1.50	27.38	4.80	7.35	5.25	2.05	0.75	
29	2.05	2.10	1.45	2.10	1.10	1.75	10.90	4.45	6.90	5.20		0.75	
30	4.10	3.75	1.40	1.75	0.90	5.00	7.15	4.25	6.50	6.10		0.65	
31		4.20		2.20	0.80		7.10		6.15	5.45		0.60	
Total	91.00	138.90	111.90	58.65	53.20	28.11	192.78	457.38	700.55	232.20	93.65	40.35	2198.67 CMSDAY
Mean	3.03	4.48	3.73	1.89	1.72	0.94	6.22	15.25	22.60	7.49	3.34	1.30	6.02 CMS
Max	6.65	11.90	14.80	5.30	9.45	5.00	27.38	54.10	94.45	19.10	5.70	2.30	94.45 CMS
Min	1.85	1.55	1.40	1.05	0.80	0.40	1.30	4.25	4.30	4.55	2.05	0.60	0.40 CMS
Runoff	7.86	12.00	9.67	5.07	4.60	2.43	16.66	39.52	60.53	20.06	8.09	3.49	189.97 MCM
Momentary Peak	228.00 CMS. at 24.14 m. (MSL.) at 19.00 Hours , on Dec 18, 2022												
Runoff Yield	50.62	Liters/Second/Square KM.		Momentary Peak Yield		1915.97	Liters/Second/Square KM.						

WATER YEAR : 2022

THALE SAP SONGKHLA

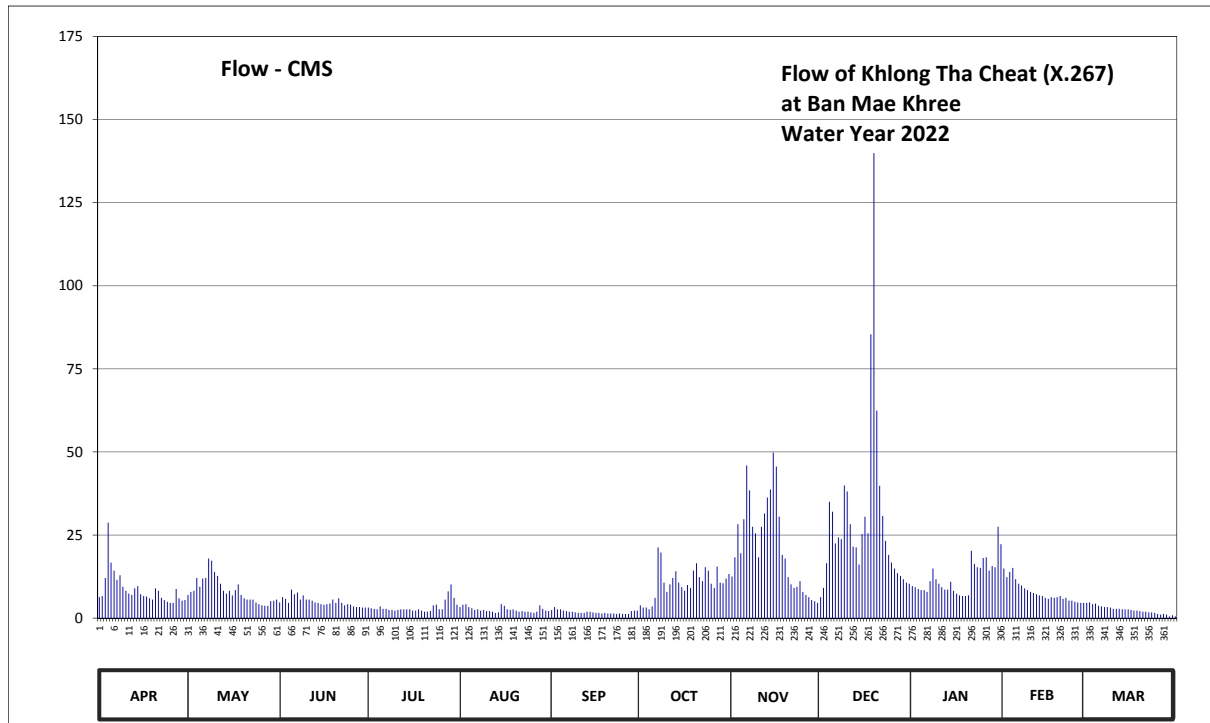
Khlong Tha Cheat at Ban Mae Khree , Phatthalung (X.267)

Lat 07 - 20 - 18 N Long 100 - 06 - 36 E

Location : on left bank at Ban Mae Khree.

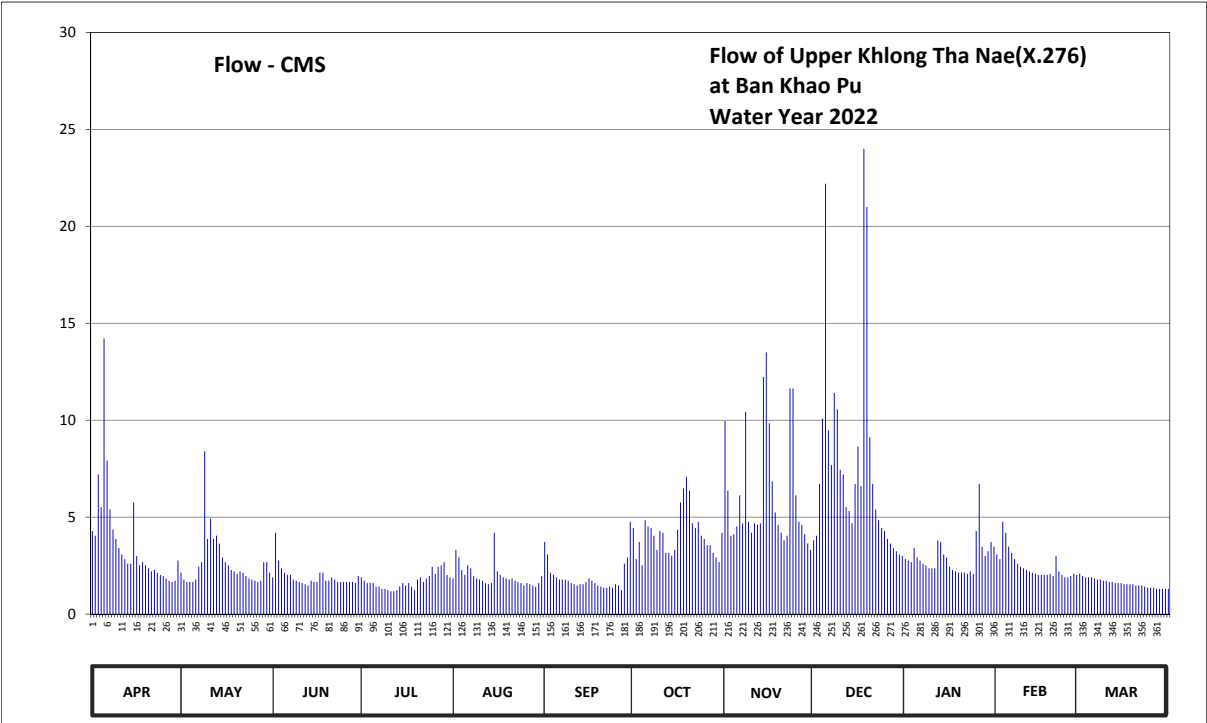
	Ban Mae Khree	Amphoe Tamot	Changwat Phatthalung
Drainge Area	143 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	on left bank downstream site at the footpath of the beidge.	Elevation	+27.878 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2007 to date		
Rating Operation			
Period of Rating	2007 to date		
Rated by Float	-		
Rated by Current Meter	2007 to date		
Stability of Channel Regimes	Stable because of backwater effect.		
Overbank Flow Conditions	Overbank flow starts at elevation + 26.530 m.(MSL.), records are channel flow only.		
General Description	Records fair. Stage-discharge relation defined by 22 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	22.16	22.20	22.07	21.98	21.99	21.94	22.02	22.50	22.16	22.35	22.62	22.06	
2	22.18	22.25	22.16	21.97	22.03	21.99	21.98	23.04	22.32	22.33	22.49	22.07	
3	22.48	22.27	22.13	21.96	22.04	21.95	21.98	23.51	22.70	22.30	22.57	22.04	
4	23.21	22.48	22.06	21.95	21.99	21.95	21.95	23.10	23.46	22.28	22.63	22.05	
5	22.71	22.34	22.29	22.00	21.97	21.93	22.00	23.57	23.34	22.28	22.46	22.01	
6	22.59	22.47	22.21	21.96	21.94	21.92	22.15	23.83	22.96	22.25	22.39	22.00	
7	22.45	22.48	22.24	21.96	21.95	21.91	22.91	23.58	23.03	22.43	22.36	21.99	
8	22.52	22.77	22.12	21.94	21.93	21.91	22.85	23.16	23.01	22.62	22.31	21.99	
9	22.34	22.74	22.19	21.94	21.94	21.90	22.41	23.08	23.63	22.46	22.28	21.98	
10	22.27	22.57	22.12	21.93	21.92	21.89	22.25	22.79	23.57	22.39	22.25	21.96	
11	22.22	22.51	22.12	21.94	21.92	21.89	22.38	23.16	23.19	22.33	22.23	21.96	
12	22.20	22.39	22.10	21.95	21.91	21.89	22.48	23.32	22.92	22.29	22.21	21.96	
13	22.31	22.27	22.07	21.95	21.89	21.91	22.58	23.51	22.91	22.29	22.19	21.95	
14	22.35	22.22	22.06	21.95	21.90	21.91	22.41	23.59	22.68	22.42	22.18	21.95	
15	22.21	22.27	22.04	21.95	22.04	21.90	22.33	23.96	23.07	22.27	22.15	21.95	
16	22.18	22.19	22.03	21.93	22.01	21.89	22.27	23.82	23.28	22.22	22.13	21.94	
17	22.17	22.28	22.04	21.93	21.95	21.89	22.37	23.28	23.08	22.19	22.16	21.93	
18	22.14	22.38	22.05	21.95	21.94	21.88	22.32	22.82	25.26	22.18	22.15	21.93	
19	22.12	22.20	22.12	21.93	21.95	21.89	22.59	22.77	26.38	22.18	22.16	21.92	
20	22.31	22.14	22.06	21.91	21.93	21.88	22.70	22.49	24.67	22.19	22.18	21.91	
21	22.27	22.12	22.14	21.91	21.91	21.88	22.49	22.38	23.96	22.87	22.13	21.91	
22	22.15	22.12	22.06	21.92	21.92	21.88	22.43	22.32	23.29	22.69	22.15	21.90	
23	22.11	22.12	22.02	22.02	21.91	21.87	22.64	22.34	22.99	22.64	22.10	21.90	
24	22.08	22.07	22.04	22.03	21.91	21.88	22.59	22.43	22.82	22.63	22.10	21.89	
25	22.06	22.04	22.03	21.95	21.90	21.87	22.39	22.25	22.71	22.78	22.08	21.87	
26	22.06	22.02	22.00	21.95	21.89	21.87	22.32	22.20	22.62	22.79	22.07	21.86	
27	22.30	22.01	21.99	22.12	21.91	21.87	22.65	22.16	22.55	22.59	22.06	21.87	
28	22.14	22.01	21.99	22.26	22.02	21.92	22.41	22.11	22.51	22.66	22.06	21.86	
29	22.10	22.09	21.98	22.38	21.96	21.93	22.40	22.09	22.46	22.64		21.83	
30	22.11	22.10	21.98	22.15	21.93	21.93	22.47	22.06	22.41	23.16		21.85	
31		22.12		22.03	21.92		22.54		22.39	22.95		21.83	
Mean	22.28	22.27	22.08	21.99	21.95	21.90	22.40	22.91	23.17	22.47	22.24	21.94	
Max	23.21	22.77	22.29	22.38	22.04	21.99	22.91	23.96	26.38	23.16	22.63	22.07	26.38
Min	22.06	22.01	21.98	21.91	21.89	21.87	21.95	22.06	22.16	22.18	22.06	21.83	21.83
Annual Max Momentary Gage Height	27.42			m. (MSL.) ,			at 22.00 Hours , on Dec 18, 2022						
Zero Gage at Bottom Elevation		0.00		m. (MSL.) ,		River Bed	21.31	m. (MSL.)					
Left Bank Elevation		26.67		m. (MSL.) ,									
Right Bank Elevation		26.52		m. (MSL.) ,		Drainage Are	143	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

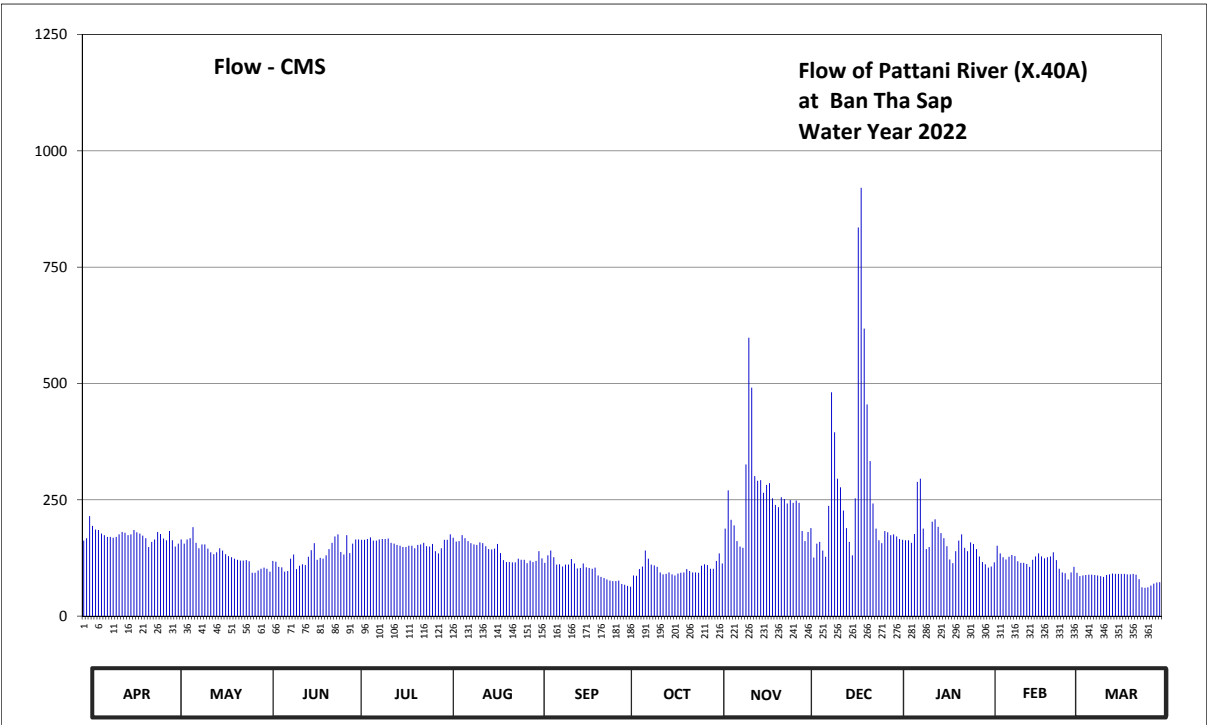
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	6.30	7.00	4.73	3.15	3.33	2.45	3.85	12.50	6.30	9.63	14.90	4.55		
2	6.65	7.88	6.30	2.98	4.03	3.33	3.15	18.30	9.10	9.28	12.30	4.73		
3	12.10	8.23	5.78	2.80	4.20	2.63	3.15	28.25	16.50	8.75	13.90	4.20		
4	28.75	12.10	4.55	2.63	3.33	2.63	2.63	19.50	35.00	8.40	15.10	4.38		
5	16.70	9.45	8.58	3.50	2.98	2.28	3.50	29.75	32.00	8.40	11.70	3.68		
6	14.30	11.90	7.18	2.80	2.45	2.10	6.13	45.90	22.50	7.88	10.33	3.50		
7	11.50	12.10	7.70	2.80	2.63	1.93	21.25	38.40	24.25	11.10	9.80	3.33		
8	12.90	17.90	5.60	2.45	2.28	1.93	19.75	27.50	23.75	14.90	8.93	3.33		
9	9.45	17.30	6.83	2.45	2.45	1.75	10.70	25.50	39.90	11.70	8.40	3.15		
10	8.23	13.90	5.60	2.28	2.10	1.58	7.88	18.30	38.10	10.33	7.88	2.80		
11	7.35	12.70	5.60	2.45	2.10	1.58	10.15	27.50	28.25	9.28	7.53	2.80		
12	7.00	10.33	5.25	2.63	1.93	1.58	12.10	31.50	21.50	8.58	7.18	2.80		
13	8.93	8.23	4.73	2.63	1.58	1.93	14.10	36.30	21.25	8.58	6.83	2.63		
14	9.63	7.35	4.55	2.63	1.75	1.93	10.70	38.70	16.10	10.90	6.65	2.63		
15	7.18	8.23	4.20	2.63	4.20	1.75	9.28	49.80	25.25	8.23	6.13	2.63		
16	6.65	6.83	4.03	2.28	3.68	1.58	8.23	45.60	30.50	7.35	5.78	2.45		
17	6.48	8.40	4.20	2.28	2.63	1.58	9.98	30.50	25.50	6.83	6.30	2.28		
18	5.95	10.15	4.38	2.63	2.45	1.40	9.10	19.00	85.40	6.65	6.13	2.28		
19	5.60	7.00	5.60	2.28	2.63	1.58	14.30	17.90	139.90	6.65	6.30	2.10		
20	8.93	5.95	4.55	1.93	2.28	1.40	16.50	12.30	62.45	6.83	6.65	1.93		
21	8.23	5.60	5.95	1.93	1.93	1.40	12.30	10.15	39.80	20.25	5.78	1.93		
22	6.13	5.60	4.55	2.10	2.10	1.40	11.10	9.10	30.75	16.30	6.13	1.75		
23	5.43	5.60	3.85	3.85	1.93	1.23	15.30	9.45	23.25	15.30	5.25	1.75		
24	4.90	4.73	4.20	4.03	1.93	1.40	14.30	11.10	19.00	15.10	5.25	1.58		
25	4.55	4.20	4.03	2.63	1.75	1.23	10.33	7.88	16.70	18.10	4.90	1.23		
26	4.55	3.85	3.50	2.63	1.58	1.23	9.10	7.00	14.90	18.30	4.73	1.05		
27	8.75	3.68	3.33	5.60	1.93	1.23	15.50	6.30	13.50	14.30	4.55	1.23		
28	5.95	3.68	3.33	8.05	3.85	2.10	10.70	5.43	12.70	15.70	4.55	1.05		
29	5.25	5.08	3.15	10.15	2.80	2.28	10.50	5.08	11.70	15.30		0.53		
30	5.43	5.25	3.15	6.13	2.28	2.28	11.90	4.55	10.70	27.50		0.88		
31		5.60		4.03	2.10		13.30		10.33	22.25		0.53		



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	4.28	2.14	1.90	1.90	1.84	3.72	4.44	9.96	3.80	2.84	3.08	2.08		
2	4.04	1.78	4.20	1.72	3.32	3.08	2.84	6.36	4.04	2.76	2.84	1.96		
3	7.20	1.66	2.76	1.60	2.92	2.14	3.72	4.04	6.72	2.68	4.76	1.90		
4	5.52	1.66	2.36	1.60	2.28	2.02	2.52	4.12	10.08	3.40	4.20	1.90		
5	14.22	1.66	2.14	1.60	2.02	1.90	4.84	4.52	22.20	2.92	3.48	1.90		
6	7.92	1.78	2.02	1.42	2.52	1.78	4.52	6.12	9.48	2.76	3.16	1.84		
7	5.40	2.44	2.02	1.42	2.36	1.78	4.44	4.68	7.68	2.60	2.84	1.78		
8	4.36	2.68	1.78	1.30	1.96	1.78	4.04	10.44	11.40	2.52	2.60	1.78		
9	3.88	8.40	1.72	1.30	1.84	1.72	3.32	4.76	10.56	2.36	2.44	1.72		
10	3.40	3.88	1.66	1.24	1.78	1.60	4.28	4.20	7.44	2.36	2.36	1.72		
11	3.08	4.92	1.60	1.18	1.72	1.54	4.20	4.68	7.20	2.36	2.28	1.66		
12	2.84	3.88	1.54	1.18	1.60	1.48	3.16	4.60	5.52	3.80	2.20	1.66		
13	2.60	4.04	1.48	1.24	1.54	1.54	3.16	4.68	5.32	3.72	2.14	1.60		
14	2.60	3.64	1.72	1.42	1.60	1.54	3.00	12.24	4.68	3.08	2.08	1.60		
15	5.76	2.92	1.66	1.60	4.20	1.66	3.32	13.50	6.72	2.92	2.02	1.60		
16	3.00	2.68	1.66	1.48	2.20	1.84	4.36	9.84	8.64	2.44	2.02	1.54		
17	2.52	2.52	2.14	1.60	2.02	1.72	5.76	6.84	6.60	2.28	2.02	1.54		
18	2.68	2.28	2.14	1.42	1.90	1.60	6.48	5.24	24.00	2.20	2.02	1.54		
19	2.52	2.20	1.72	1.24	1.84	1.48	7.08	4.60	21.00	2.14	2.08	1.54		
20	2.36	2.08	1.72	1.78	1.78	1.42	6.36	4.20	9.12	2.14	1.96	1.48		
21	2.20	2.20	1.90	1.90	1.84	1.36	4.68	3.80	6.72	2.14	3.00	1.48		
22	2.28	2.14	1.78	1.66	1.72	1.36	4.44	4.04	5.40	2.08	2.20	1.48		
23	2.14	1.96	1.66	1.84	1.66	1.42	4.76	11.64	4.84	2.20	2.02	1.42		
24	2.02	1.84	1.66	1.96	1.60	1.36	4.04	11.64	4.44	2.08	1.90	1.36		
25	1.96	1.78	1.66	2.44	1.48	1.54	3.88	6.12	4.28	4.28	1.90	1.36		
26	1.84	1.72	1.66	2.08	1.60	1.48	3.56	4.76	3.88	6.72	1.96	1.36		
27	1.72	1.66	1.66	2.44	1.54	1.24	3.56	4.60	3.64	3.48	2.08	1.30		
28	1.66	1.72	1.66	2.52	1.48	2.60	3.16	4.12	3.40	3.00	2.02	1.30		
29	1.72	2.68	1.60	2.68	1.42	2.92	2.92	3.64	3.24	3.24		1.30		
30	2.76	2.68	1.96	2.02	1.60	4.76	2.68	3.32	3.08	3.72		1.30		
31		2.14		1.90	1.96		4.20		3.00	3.48		1.30		
Total	110.48	81.76	57.14	52.68	61.14	57.38	127.72	187.30	238.12	90.70	69.66	49.30	1183.38	CMSDAY
Mean	3.68	2.64	1.90	1.70	1.97	1.91	4.12	6.24	7.68	2.93	2.49	1.59	3.24	CMS
Max	14.22	8.40	4.20	2.68	4.20	4.76	7.08	13.50	24.00	6.72	4.76	2.08	24.00	CMS
Min	1.66	1.66	1.48	1.18	1.42	1.24	2.52	3.32	3.00	2.08	1.90	1.30	1.18	CMS
Runoff	9.55	7.06	4.94	4.55	5.28	4.96	11.04	16.18	20.57	7.84	6.02	4.26	102.24	MCM
Momentary Peak	61.12 CMS. at 53.58 m. (MSL.) at 22.00 Hours , on Nov 23, 2022													
Runoff Yield	61.17	Liters/Second/Square KM.				Momentary Peak Yield		1153.21	Liters/Second/Square KM.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	13.59	13.60	12.89	13.52	13.61	13.07	12.43	13.07	13.58	13.69	12.89	12.76		
2	13.65	13.45	12.86	13.62	13.61	13.33	12.40	13.27	13.80	13.63	12.92	12.91		
3	14.14	13.52	12.78	13.62	13.74	13.14	12.38	13.00	13.88	13.61	13.03	12.75		
4	13.93	13.62	13.07	13.61	13.66	13.02	12.68	13.87	13.16	13.60	13.47	12.66		
5	13.85	13.52	13.05	13.61	13.57	13.22	12.67	14.64	13.52	13.60	13.27	12.68		
6	13.84	13.62	12.91	13.63	13.58	13.35	12.85	14.06	13.56	13.54	13.17	12.69		
7	13.76	13.65	12.90	13.67	13.72	13.17	12.92	13.94	13.35	13.75	13.11	12.70		
8	13.72	13.90	12.78	13.59	13.65	12.97	13.35	13.58	13.18	14.78	13.18	12.70		
9	13.68	13.54	12.80	13.59	13.58	12.98	13.13	13.45	14.36	14.83	13.23	12.69		
10	13.68	13.41	13.13	13.62	13.53	12.92	12.97	13.42	15.91	13.87	13.20	12.68		
11	13.66	13.50	13.24	13.63	13.50	12.97	12.95	15.05	15.48	13.39	13.06	12.66		
12	13.68	13.50	12.85	13.63	13.49	12.97	12.91	16.39	14.83	13.44	13.02	12.64		
13	13.74	13.40	12.94	13.64	13.55	13.12	12.76	15.96	14.69	14.02	13.02	12.69		
14	13.80	13.30	12.98	13.54	13.53	13.00	12.71	14.87	14.26	14.07	12.99	12.71		
15	13.78	13.25	12.96	13.52	13.46	12.87	12.72	14.80	13.88	13.91	12.91	12.73		
16	13.72	13.30	13.18	13.49	13.39	12.88	12.76	14.81	13.56	13.77	13.10	12.72		
17	13.74	13.41	13.36	13.47	13.38	13.00	12.71	14.60	13.22	13.65	13.19	12.72		
18	13.84	13.35	13.53	13.44	13.40	12.90	12.68	14.73	14.50	13.46	13.27	12.72		
19	13.79	13.25	13.10	13.44	13.51	12.88	12.73	14.76	17.06	13.11	13.19	12.72		
20	13.76	13.20	13.15	13.47	13.28	12.86	12.75	14.50	17.29	13.01	13.14	12.71		
21	13.71	13.17	13.13	13.47	13.09	12.89	12.76	14.38	16.45	13.33	13.17	12.71		
22	13.65	13.13	13.22	13.41	13.04	12.68	12.85	14.33	15.78	13.59	13.19	12.72		
23	13.44	13.10	13.39	13.49	13.04	12.64	12.80	14.52	15.10	13.74	13.30	12.70		
24	13.56	13.08	13.54	13.50	13.03	12.61	12.76	14.49	14.41	13.42	13.09	12.58		
25	13.62	13.08	13.69	13.54	13.03	12.57	12.76	14.41	13.87	13.33	12.86	12.36		
26	13.80	13.09	13.74	13.46	13.13	12.54	12.75	14.47	13.60	13.55	12.76	12.35		
27	13.75	13.06	13.31	13.45	13.10	12.53	12.94	14.42	13.53	13.51	12.74	12.36		
28	13.64	12.75	13.24	13.51	13.10	12.53	12.98	14.46	13.82	13.39	12.57	12.41		
29	13.60	12.75	13.72	13.33	13.01	12.54	12.96	14.42	13.79	13.19		12.46		
30	13.82	12.81	13.28	13.27	13.08	12.45	12.86	13.82	13.72	13.04		12.49		
31		12.86		13.41	13.04		12.86		13.74	12.98		12.50		
Mean	13.73	13.30	13.16	13.52	13.37	12.89	12.80	14.35	14.35	13.61	13.07	12.64		
Max	14.14	13.90	13.74	13.67	13.74	13.35	13.35	16.39	17.29	14.83	13.47	12.91	17.29	
Min	13.44	12.75	12.78	13.27	13.01	12.45	12.38	13.00	13.16	12.98	12.57	12.35	12.35	
Annual Max Momentary Gage Height	17.48		m. (MSL) , at 24.00 Hours , on Dec 19, 2022											
Zero Gage at Bottom Elevation		0.00	m. (MSL) , River Bed 9.05 m. (MSL.)											
Left Bank Elevation		16.50	m. (MSL) ,											
Right Bank Elevation		18.70	m. (MSL) , Drainage Are 3.295 Square Kilometers											



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	162.10	163.00	104.20	155.80	163.90	118.60	67.40	118.60	161.20	171.10	104.20	93.80		
2	167.50	149.50	101.80	164.80	163.90	139.40	65.00	134.60	181.00	165.70	106.60	105.80		
3	215.00	155.80	95.40	164.80	175.60	124.20	63.40	113.00	189.00	163.90	115.40	93.00		
4	194.00	164.80	118.60	163.90	168.40	114.60	87.40	188.00	125.80	163.00	151.30	85.80		
5	186.00	155.80	117.00	163.90	160.30	130.60	86.60	270.20	155.80	163.00	134.60	87.40		
6	185.00	164.80	105.80	165.70	161.20	141.00	101.00	207.00	159.40	157.60	126.60	88.20		
7	177.40	167.50	105.00	169.30	173.80	126.60	106.60	195.00	141.00	176.50	121.80	89.00		
8	173.80	191.00	95.40	162.10	167.50	110.60	141.00	161.20	127.40	288.40	127.40	89.00		
9	170.20	157.60	97.00	162.10	161.20	111.40	123.40	149.50	237.00	295.20	131.40	88.20		
10	170.20	145.90	123.40	164.80	156.70	106.60	110.60	146.80	481.00	188.00	129.00	87.40		
11	168.40	154.00	132.20	165.70	154.00	110.60	109.00	326.00	395.00	144.20	117.80	85.80		
12	170.20	154.00	101.00	165.70	153.10	110.60	105.80	598.20	295.20	148.60	114.60	84.20		
13	175.60	145.00	108.20	166.60	158.50	122.60	93.80	491.00	276.70	203.00	114.60	88.20		
14	181.00	137.00	111.40	157.60	156.70	113.00	89.80	300.80	227.00	208.00	112.20	89.80		
15	179.20	133.00	109.80	155.80	150.40	102.60	90.60	291.00	189.00	192.00	105.80	91.40		
16	173.80	137.00	127.40	153.10	144.20	103.40	93.80	292.40	159.40	178.30	121.00	90.60		
17	175.60	145.90	141.80	151.30	143.40	113.00	89.80	265.00	130.60	167.50	128.20	90.60		
18	185.00	141.00	156.70	148.60	145.00	105.00	87.40	281.90	253.00	150.40	134.60	90.60		
19	180.10	133.00	121.00	148.60	154.90	103.40	91.40	285.80	835.20	121.80	128.20	90.60		
20	177.40	129.00	125.00	151.30	135.40	101.80	93.00	253.00	920.30	113.80	124.20	89.80		
21	172.90	126.60	123.40	151.30	120.20	104.20	93.80	239.00	618.00	139.40	126.60	89.80		
22	167.50	123.40	130.60	145.90	116.20	87.40	101.00	234.00	455.00	162.10	128.20	90.60		
23	148.60	121.00	144.20	153.10	116.20	84.20	97.00	255.40	333.00	175.60	137.00	89.00		
24	159.40	119.40	157.60	154.00	115.40	81.80	93.80	251.80	242.20	146.80	120.20	79.40		
25	164.80	119.40	171.10	157.60	115.40	78.60	93.80	242.20	188.00	139.40	101.80	61.80		
26	181.00	120.20	175.60	150.40	123.40	76.20	93.00	249.40	163.00	158.50	93.80	61.00		
27	176.50	117.80	137.80	149.50	121.00	75.40	108.20	243.40	156.70	154.90	92.20	61.80		
28	166.60	93.00	132.20	154.90	121.00	75.40	111.40	248.20	183.00	144.20	78.60	65.80		
29	163.00	93.00	173.80	139.40	113.80	76.20	109.80	243.40	180.10	128.20		69.80		
30	183.00	97.80	135.40	134.60	119.40	69.00	101.80	183.00	173.80	116.20		72.20		
31		101.80		145.90	116.20		101.80		175.60	111.40		73.00		
Total	5250.80	4258.00	3779.80	4838.10	4446.30	3118.00	3002.20	7458.80	8508.40	5136.70	3327.90	2613.40	55738.40	CMSDAY
Mean	175.03	137.35	125.99	156.07	143.43	103.93	96.85	248.63	274.46	165.70	118.85	84.30	152.71	CMS
Max	215.00	191.00	175.60	169.30	175.60	141.00	141.00	598.20	920.30	295.20	151.30	105.80	920.30	CMS
Min	148.60	93.00	95.40	134.60	113.80	69.00	63.40	113.00	125.80	111.40	78.60	61.00	61.00	CMS
Runoff	453.67	367.89	326.57	418.01	384.16	269.40	259.39	644.44	735.13	443.81	287.53	225.80	4815.80	MCM
Momentary Peak	991.40 CMS. at 17.48 m. (MSL.) at 24.00 Hours , on Dec 19, 2022													
Runoff Yield	46.35	Liters/Second/Square KM.			Momentary Peak Yield			300.88	Liters/Second/Square KM.					

WATER YEAR : 2022

PATTANI RIVER BASIN

Khlong Tan Yong Mat at Ban Tan Yong Mat, Narathiwat (X.73)

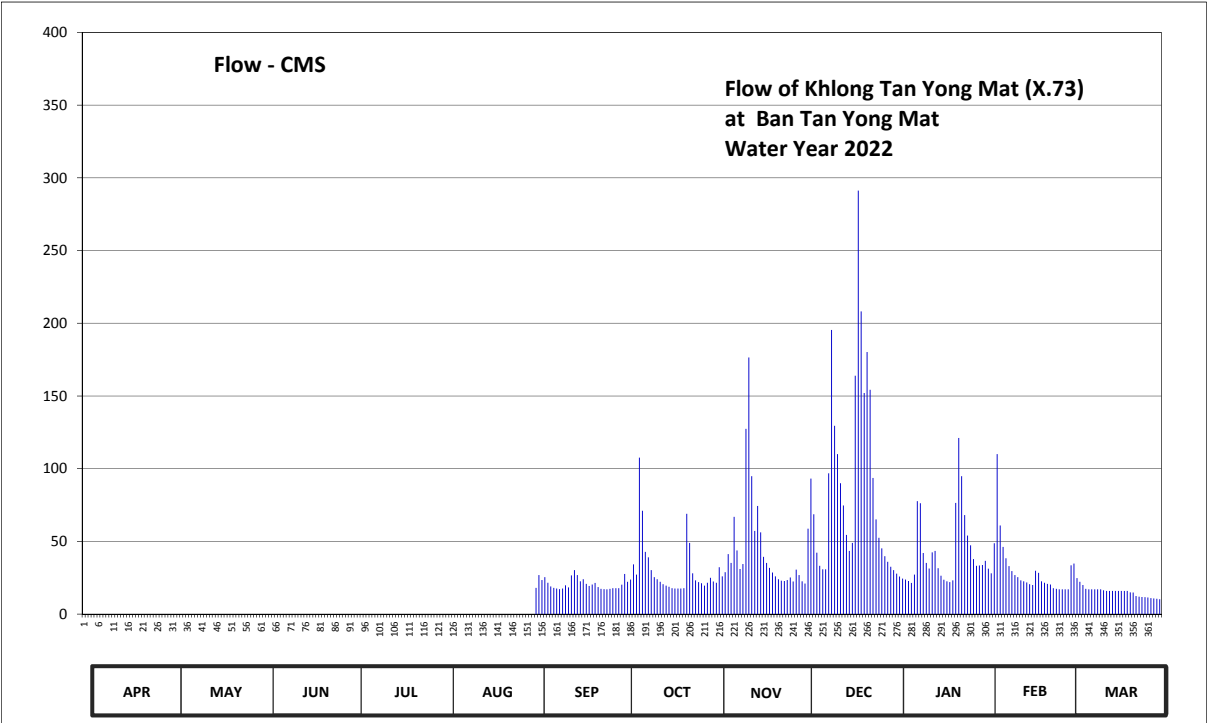
Lat 06 - 17 - 52 N Long 101 - 43 - 54 E

Location : on left bank at the bridge .

	Ban Tan Yong Mat	Amphoe Ra-ngae	Changwat Narathiwat
Drainge Area	323 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank between the fourth and the fifth staff gage.	Elevation	+22.740 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1982 to date		
Rating Operation			
Period of Rating	1986 to date		
Rated by Float	-		
Rated by Current Meter	1986 to date		
Stability of Channel Regimes	Stable because of backwater effect.		
Overbank Flow Conditions	Overbank flow starts at elevation + 14.280 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 17 discharge measurements made in 2022.		
Remark	Under construction during 1 Apr.- 31 Aug.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1						11.50	11.98	11.68	11.65	11.99	12.16	12.28	
2						11.94	11.71	12.21	13.35	11.89	12.00	12.34	
3						11.77	11.79	11.90	14.43	11.82	12.95	11.84	
4						11.87	12.31	12.04	13.69	11.79	14.82	11.71	
5						11.68	11.96	12.65	12.69	11.74	13.43	11.60	
6						11.55	14.77	12.36	12.26	11.67	12.85	11.47	
7						11.50	13.77	13.63	12.14	11.96	12.52	11.45	
8						11.48	12.71	12.75	12.14	13.99	12.25	11.45	
9						11.46	12.55	12.15	14.52	13.94	12.08	11.45	
10						11.48	12.11	12.32	15.96	12.68	11.94	11.45	
11						11.59	11.87	15.12	15.15	12.36	11.87	11.45	
12						11.52	11.80	15.75	14.82	12.17	11.76	11.42	
13						11.93	11.71	14.47	14.35	12.70	11.73	11.40	
14						12.11	11.63	13.29	13.89	12.74	11.69	11.40	
15						11.94	11.58	13.88	13.18	12.18	11.63	11.40	
16						11.73	11.54	13.25	12.74	11.92	11.60	11.40	
17						11.80	11.49	12.57	12.96	11.78	12.09	11.40	
18						11.64	11.48	12.36	15.61	11.73	12.02	11.40	
19						11.57	11.48	12.19	16.78	11.70	11.73	11.40	
20						11.62	11.48	12.03	16.43	11.76	11.68	11.40	
21						11.67	11.49	11.90	15.85	13.95	11.64	11.35	
22						11.53	13.70	11.80	16.18	15.03	11.62	11.34	
23						11.47	12.96	11.75	15.49	14.47	11.49	11.22	
24						11.46	12.00	11.74	14.44	13.67	11.47	11.20	
25						11.45	11.76	11.77	13.57	13.16	11.45	11.19	
26						11.47	11.70	11.86	13.10	12.89	11.45	11.18	
27						11.49	11.66	11.72	12.81	12.49	11.45	11.17	
28						11.49	11.58	12.13	12.59	12.26	11.45	11.15	
29						11.49	11.68	11.94	12.40	12.27		11.14	
30						11.61	11.85	11.73	12.23	12.29		11.13	
31							11.72		12.11	12.43		11.11	
Mean						11.63	12.06	12.56	13.86	12.56	12.03	11.43	
Max						12.11	14.77	15.75	16.78	15.03	14.82	12.34	16.78
Min						11.45	11.48	11.68	11.65	11.67	11.45	11.11	11.11
Annual Max Momentary Gage Height	16.91	m. (MSL.) ,				at 23.00 Hours , on Dec 18, 2022							
Zero Gage at Bottom Elevation	0.00	m. (MSL.) ,				River Bed	9.05	m. (MSL.)					
Left Bank Elevation	14.27	m. (MSL.) ,											
Right Bank Elevation	14.90	m. (MSL.) ,				Drainage Are	323	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1						18.00	27.60	21.60	21.00	27.80	31.20	33.60		
2						26.80	22.20	32.20	58.75	25.80	28.00	34.80		
3						23.40	23.80	26.00	93.20	24.40	48.75	24.80		
4						25.40	34.20	28.80	68.70	23.80	110.00	22.20		
5						21.60	27.20	41.25	42.25	22.80	60.90	20.00		
6						19.00	107.65	35.20	33.20	21.40	46.25	17.40		
7						18.00	71.10	66.90	30.80	27.20	38.40	17.00		
8						17.60	42.75	43.75	30.80	77.70	33.00	17.00		
9						17.20	39.00	31.00	96.80	76.20	29.60	17.00		
10						17.60	30.20	34.40	195.40	42.00	26.80	17.00		
11						19.80	25.40	127.40	129.50	35.20	25.40	17.00		
12						18.40	24.00	176.50	110.00	31.40	23.20	16.40		
13						26.60	22.20	94.80	90.00	42.50	22.60	16.00		
14						30.20	20.60	57.25	74.70	43.50	21.80	16.00		
15						26.80	19.60	74.40	54.50	31.60	20.60	16.00		
16						22.60	18.80	56.25	43.50	26.40	20.00	16.00		
17						24.00	17.80	39.40	49.00	23.60	29.80	16.00		
18						20.80	17.60	35.20	163.90	22.60	28.40	16.00		
19						19.40	17.60	31.80	291.20	22.00	22.60	16.00		
20						20.40	17.60	28.60	208.20	23.20	21.60	16.00		
21						21.40	17.80	26.00	152.00	76.50	20.80	15.00		
22						18.60	69.00	24.00	180.20	121.10	20.40	14.80		
23						17.40	49.00	23.00	154.20	94.80	17.80	12.40		
24						17.20	28.00	22.80	93.60	68.10	17.40	12.00		
25						17.00	23.20	23.40	65.10	54.00	17.00	11.80		
26						17.40	22.00	25.20	52.50	47.25	17.00	11.60		
27						17.80	21.20	22.40	45.25	37.80	17.00	11.40		
28						17.80	19.60	30.60	39.80	33.20	17.00	11.00		
29						17.80	21.60	26.80	36.00	33.40		10.80		
30						20.20	25.00	22.60	32.60	33.80		10.60		
31							22.40		30.20	36.60		10.20		
Total						616.20	945.70	1329.50	2766.85	1307.65	833.30	513.80	8313.00	CMSDAY
Mean						20.54	30.51	44.32	89.25	42.18	29.76	16.57	39.21	CMS
Max						30.20	107.65	176.50	291.20	121.10	110.00	34.80	291.20	CMS
Min						17.00	17.60	21.60	21.00	21.40	17.00	10.20	10.20	CMS
Runoff						53.24	81.71	114.87	239.06	112.98	72.00	44.39	718.24	MCM
Momentary Peak	309.50	CMS.	at 16.91 m. (MSL.) at 23.00 Hours , on Dec 18, 2022											
Runoff Yield	70.51	Liters/Second/Square KM.			Momentary Peak Yield	958.20		Liters/Second/Square KM.						

WATER YEAR : 2022

PATTANI RIVER BASIN

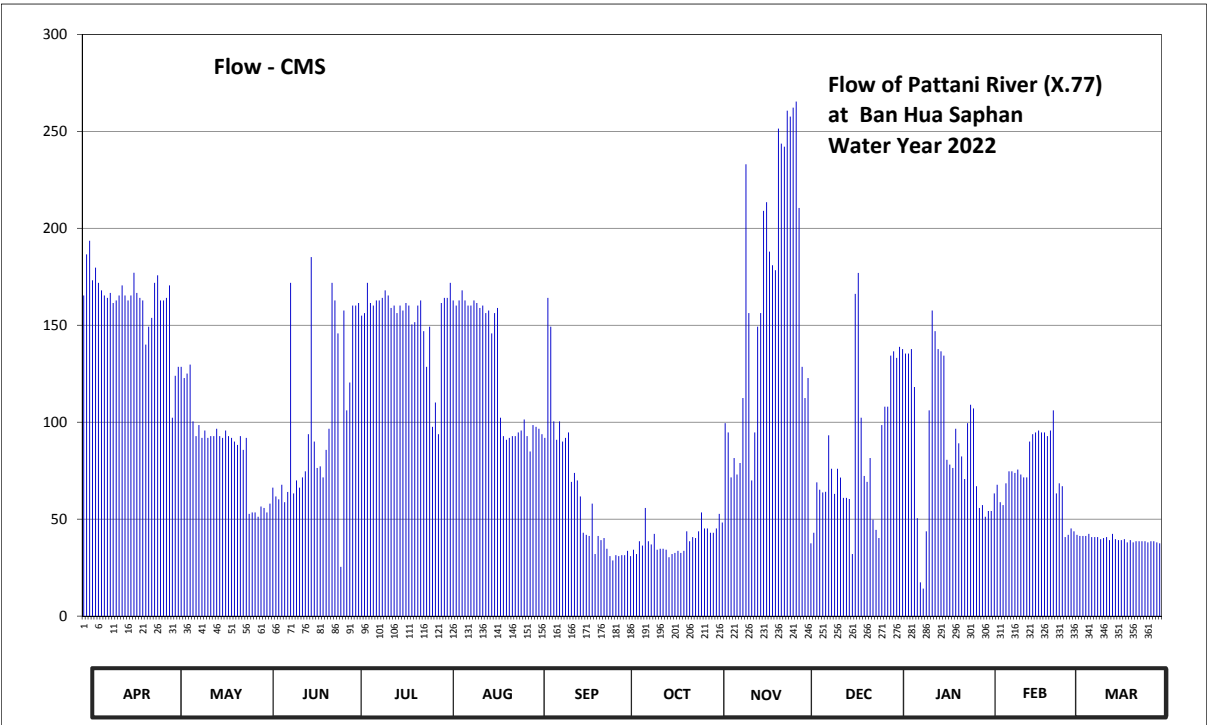
Pattani River at Ban Hua Saphan, Yala (X.77)

Lat 06 - 15 - 43 N Long 101 - 16 - 06 E

Location : on left bank at the bridge .

	Ban	Hua Saphan	Amphoe	Bannang Sata	Changwat	Yala
Drainge Area	2,241	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	on left bank downstream site at the footpath of the bridge.				Elevation	+42.679 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1988 to date					
Rating Operation						
Period of Rating	2022 to date					
Rated by Float	-					
Rated by Current Meter	2022 to date					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair.Stage-discharge relation defined by 20 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	37.08	36.53	35.97	37.04	37.07	36.48	35.59	35.83	36.63	36.81	35.95	35.83	
2	37.24	36.73	35.94	37.04	37.07	36.47	35.63	35.93	36.72	36.86	35.95	35.81	
3	37.29	36.77	36.00	37.05	37.13	36.44	35.58	35.87	35.70	36.85	36.07	35.78	
4	37.14	36.77	36.11	37.00	37.06	36.42	35.64	36.50	35.80	36.83	36.13	35.77	
5	37.19	36.72	36.05	37.01	37.04	37.07	35.60	36.45	36.40	36.83	36.01	35.77	
6	37.13	36.74	36.03	37.13	37.06	36.95	35.72	36.18	36.29	36.85	35.99	35.77	
7	37.10	36.78	36.13	37.05	37.10	36.51	35.68	36.30	36.25	36.68	36.14	35.79	
8	37.08	36.51	36.01	37.04	37.06	36.41	35.97	36.20	36.26	35.90	36.22	35.76	
9	37.07	36.43	36.08	37.06	37.04	36.51	35.72	36.27	37.05	35.31	36.22	35.76	
10	37.09	36.49	37.13	37.06	37.04	36.40	35.69	36.63	36.60	35.23	36.21	35.76	
11	37.05	36.42	36.07	37.07	37.06	36.42	35.79	37.56	36.23	35.81	36.23	35.74	
12	37.06	36.46	36.16	37.10	37.05	36.45	35.64	37.01	36.60	36.57	36.20	35.75	
13	37.08	36.42	36.11	37.08	37.03	36.15	35.65	36.16	36.47	37.02	36.18	35.76	
14	37.12	36.43	36.18	37.03	37.04	36.21	35.65	36.45	36.15	36.93	36.18	35.73	
15	37.08	36.43	36.22	37.04	37.01	36.16	35.64	36.95	36.15	36.85	36.40	35.79	
16	37.06	36.47	36.44	37.01	37.02	36.05	35.57	37.01	36.12	36.84	36.44	35.74	
17	37.08	36.43	37.23	37.04	36.92	35.80	35.60	37.40	35.60	36.82	36.45	35.73	
18	37.17	36.42	36.40	37.02	37.01	35.78	35.61	37.43	38.17	36.29	36.46	35.73	
19	37.09	36.46	36.24	37.05	37.03	35.77	35.63	37.25	38.28	36.26	36.45	35.74	
20	37.07	36.43	36.25	37.04	36.53	36.00	35.61	37.20	36.53	36.24	36.45	35.71	
21	37.06	36.42	36.18	36.96	36.43	35.60	35.63	37.18	36.19	36.47	36.43	35.73	
22	36.87	36.40	36.35	36.97	36.41	35.77	35.81	37.68	36.15	36.39	36.46	35.71	
23	36.95	36.38	36.47	37.04	36.42	35.73	35.72	37.63	36.30	36.31	36.57	35.72	
24	36.99	36.43	37.13	37.06	36.43	35.75	35.76	37.62	35.89	36.17	36.07	35.72	
25	37.13	36.35	37.06	36.93	36.43	35.65	35.75	37.74	35.82	36.50	36.14	35.72	
26	37.16	36.42	36.92	36.77	36.45	35.58	35.81	37.72	35.75	36.60	36.12	35.72	
27	37.06	35.93	35.48	36.95	36.46	35.54	35.94	37.75	36.49	36.58	35.76	35.71	
28	37.06	35.94	37.02	36.48	36.52	35.59	35.83	37.77	36.59	36.12	35.78	35.72	
29	37.07	35.94	36.57	36.61	36.43	35.58	35.83	37.41	36.59	35.97		35.72	
30	37.12	35.91	36.70	36.44	36.34	35.59	35.80	36.77	36.82	35.99		35.71	
31		35.98		37.05	36.49		35.80		36.84	35.91		35.70	
Mean	37.09	36.42	36.35	36.97	36.81	36.09	35.71	36.93	36.43	36.41	36.20	35.75	
Max	37.29	36.78	37.23	37.13	37.13	37.07	35.97	37.77	38.28	37.02	36.57	35.83	38.28
Min	36.87	35.91	35.48	36.44	36.34	35.54	35.57	35.83	35.60	35.23	35.76	35.70	35.23
Annual Max Momentary Gage Height	39.51	m. (MSL.) ,		at 14.00 Hours , on Dec 18, 2022									
Zero Gage at Bottom Elevation	0.00	m. (MSL.) ,		River Bed		34.03	m. (MSL.)						
Left Bank Elevation	40.60	m. (MSL.) ,											
Right Bank Elevation	39.70	m. (MSL.) ,		Drainage Are		2,241	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	165.40	102.35	55.75	160.20	164.10	97.60	31.45	45.25	112.45	133.15	54.25	45.25		
2	186.60	123.95	53.50	160.20	164.10	96.65	33.65	52.75	122.80	138.90	54.25	43.75		
3	193.60	128.55	58.00	161.50	171.90	93.80	30.90	48.25	37.50	137.75	63.25	41.90		
4	173.20	128.55	66.25	155.00	162.80	91.90	34.20	99.50	43.00	135.45	67.75	41.35		
5	179.70	122.80	61.75	156.30	160.20	164.10	32.00	94.75	69.00	135.45	58.75	41.35		
6	171.90	125.10	60.25	171.90	162.80	149.25	38.60	71.50	65.15	137.75	57.25	41.35		
7	168.00	129.70	67.75	161.50	168.00	100.45	36.40	81.50	63.75	118.20	68.50	42.45		
8	165.40	100.45	58.75	160.20	162.80	90.95	55.75	73.00	64.10	50.50	74.70	40.80		
9	164.10	92.85	64.00	162.80	160.20	100.45	38.60	78.95	93.25	17.40	74.70	40.80		
10	166.70	98.55	171.90	162.80	160.20	90.00	36.95	112.45	76.00	14.20	73.85	40.80		
11	161.50	91.90	63.25	164.10	162.80	91.90	42.45	233.00	63.05	43.75	75.55	39.70		
12	162.80	95.70	70.00	168.00	161.50	94.75	34.20	156.30	76.00	106.15	73.00	40.25		
13	165.40	91.90	66.25	165.40	158.90	69.25	34.75	70.00	71.45	157.60	71.50	40.80		
14	170.60	92.85	71.50	158.90	160.20	73.85	34.75	94.75	61.00	146.95	71.50	39.15		
15	165.40	92.85	74.70	160.20	156.30	70.00	34.20	149.25	61.00	137.75	90.00	42.45		
16	162.80	96.65	93.80	156.30	157.60	61.75	30.35	156.30	60.40	136.60	93.80	39.70		
17	165.40	92.85	185.20	160.20	145.80	43.00	32.00	209.00	32.00	134.30	94.75	39.15		
18	177.10	91.90	90.00	157.60	156.30	41.90	32.55	213.50	166.15	80.65	95.70	39.15		
19	166.70	95.70	76.40	161.50	158.90	41.35	33.65	188.00	177.00	78.10	94.75	39.70		
20	164.10	92.85	77.25	160.20	102.35	58.00	32.55	181.00	102.35	76.40	94.75	38.05		
21	162.80	91.90	71.50	150.40	92.85	32.00	33.65	178.40	72.25	96.65	92.85	39.15		
22	140.05	90.00	85.75	151.55	90.95	41.35	43.75	251.40	69.25	89.15	95.70	38.05		
23	149.25	88.30	96.65	160.20	91.90	39.15	38.60	243.65	81.50	82.35	106.15	38.60		
24	153.85	92.85	171.90	162.80	92.85	40.25	40.80	242.10	49.75	70.75	63.25	38.60		
25	171.90	85.75	162.80	146.95	92.85	34.75	40.25	260.70	44.50	99.50	68.50	38.60		
26	175.80	91.90	145.80	128.55	94.75	30.90	43.75	257.60	40.25	109.00	67.00	38.60		
27	162.80	52.75	25.40	149.25	95.70	28.70	53.50	262.25	98.55	107.10	40.80	38.05		
28	162.80	53.50	157.60	97.60	101.40	31.45	45.25	265.35	108.05	67.00	41.90	38.60		
29	164.10	53.50	106.15	110.15	92.85	30.90	45.25	210.50	108.05	55.75		38.60		
30	170.60	51.25	120.50	93.80	84.90	31.45	43.00	128.55	134.30	57.25		38.05		
31		56.50		161.50	98.55		43.00		136.60	51.25		37.50		
Total	5010.35	2896.20	2730.30	4737.55	4187.30	2061.80	1180.75	4709.50	2560.45	3002.75	2078.70	1240.30	36395.95	CMSDAY
Mean	167.01	93.43	91.01	152.82	135.07	68.73	38.09	156.98	82.60	96.86	74.24	40.01	99.71	CMS
Max	193.60	129.70	185.20	171.90	171.90	164.10	55.75	265.35	177.00	157.60	106.15	45.25	265.35	CMS
Min	140.05	51.25	25.40	93.80	84.90	28.70	30.35	45.25	32.00	14.20	40.80	37.50	14.20	CMS
Runoff	432.89	250.23	235.90	409.32	361.78	178.14	102.02	406.90	221.22	259.44	179.60	107.16	3144.61	MCM
Momentary Peak	628.60 CMS. at 39.51 m. (MSL.) at 14.00 Hours , on Dec 18, 2022													
Runoff Yield	44.50	Liters/Second/Square KM.			Momentary Peak Yield			280.50	Liters/Second/Square KM.					

WATER YEAR : 2022**Peninsula - Lower East Coast****Kolok River at Lantu Bridge , Narathiwat (X.119A)**

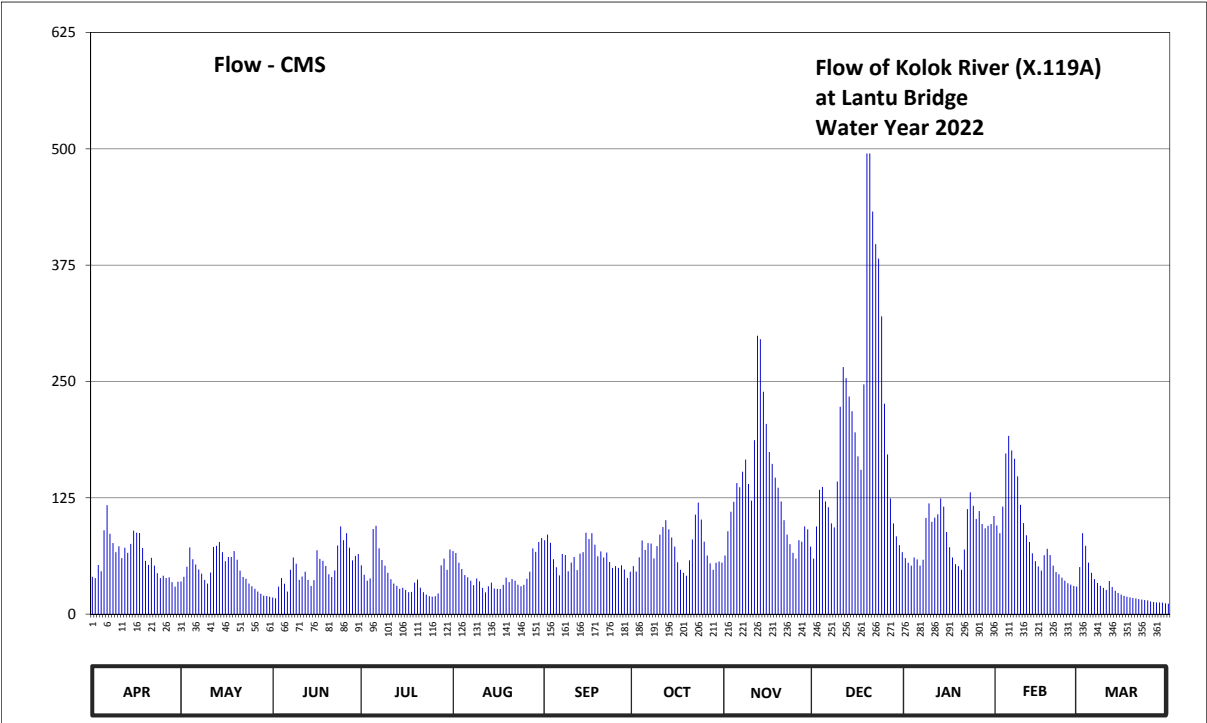
Lat 06 - 01 - 23 N Long 101 - 58 - 31 E

Location : on left bank at the bridge.

	Ban	-	Amphoe	Sungai Kolok	Changwat	Narathiwat
Drainge Area	1,358	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Beside the office of Hydrological Survey.				Elevation	+10.686 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1988 to date					
Rating Operation						
Period of Rating	1988 to date					
Rated by Float	-					
Rated by Current Meter	2004 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +9.800 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 16 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.57	4.40	3.79	4.98	5.49	5.88	4.95	5.33	5.22	5.24	6.38	4.92	
2	4.52	4.57	3.75	4.64	5.42	6.08	4.76	6.20	6.35	5.07	6.13	6.13	
3	4.99	4.93	4.22	4.43	5.07	5.79	5.27	6.80	7.39	4.97	6.96	5.68	
4	4.77	5.62	4.53	4.51	4.85	5.20	5.87	7.09	7.46	5.26	8.21	5.08	
5	6.23	5.20	4.32	6.27	4.63	4.91	5.53	7.55	7.10	5.19	8.53	4.71	
6	7.00	5.01	4.04	6.37	4.55	4.62	5.78	7.45	6.94	4.97	8.27	4.49	
7	6.11	4.83	4.82	5.59	4.43	5.39	5.76	7.82	6.44	5.18	8.10	4.35	
8	5.78	4.68	5.26	5.17	4.27	5.35	5.23	8.08	6.32	6.61	7.71	4.25	
9	5.45	4.46	5.04	4.97	4.51	4.77	5.67	7.53	7.59	7.05	7.01	4.17	
10	5.66	4.33	4.46	4.71	4.41	5.08	6.08	7.12	8.96	6.49	6.45	4.10	
11	5.24	4.72	4.58	4.48	4.17	5.28	6.33	8.46	9.29	6.62	6.06	4.42	
12	5.61	5.64	4.75	4.33	4.01	4.81	6.54	9.49	9.21	6.72	5.82	4.20	
13	5.43	5.68	4.46	4.25	4.23	5.40	6.26	9.47	9.06	7.18	5.41	4.07	
14	5.75	5.82	4.24	4.14	4.36	5.45	5.98	9.10	8.90	6.96	5.13	3.99	
15	6.22	5.45	4.45	4.18	4.15	6.15	5.65	8.72	8.59	6.17	4.94	3.93	
16	6.15	5.13	5.52	4.10	4.14	5.92	5.09	8.24	8.15	5.63	4.79	3.88	
17	6.14	5.28	5.21	4.02	4.13	6.13	4.82	7.99	7.86	5.26	5.34	3.84	
18	5.60	5.28	5.14	4.03	4.28	5.72	4.71	7.68	9.16	5.02	5.57	3.80	
19	5.14	5.49	4.96	4.36	4.54	5.30	4.61	7.44	10.35	4.95	5.35	3.77	
20	5.00	5.18	4.66	4.47	4.38	5.48	5.16	7.10	10.35	4.82	4.97	3.74	
21	5.25	4.79	4.56	4.18	4.49	5.26	5.91	6.54	10.11	5.55	4.74	3.71	
22	4.97	4.56	4.80	4.02	4.43	5.44	6.71	6.08	9.97	6.88	4.66	3.68	
23	4.70	4.50	5.69	3.93	4.29	5.10	7.07	5.74	9.90	7.33	4.54	3.66	
24	4.52	4.33	6.35	3.86	4.23	4.89	6.56	5.43	9.60	6.98	4.43	3.64	
25	4.61	4.23	5.88	3.84	4.28	4.95	5.83	5.22	9.00	6.58	4.34	3.58	
26	4.53	4.14	6.13	3.86	4.50	4.89	5.33	5.88	8.19	6.82	4.29	3.55	
27	4.55	4.04	5.61	3.97	4.75	4.98	5.05	5.83	7.18	6.42	4.24	3.53	
28	4.38	3.96	5.16	4.98	5.59	4.83	4.82	6.35	6.44	6.29	4.22	3.53	
29	4.22	3.89	5.32	5.22	5.46	4.53	5.07	6.26	6.02	6.37		3.52	
30	4.39	3.87	5.39	4.82	5.82	4.75	5.12	5.65	5.70	6.42		3.48	
31		3.84		5.55	5.96		5.08		5.45	6.67		3.46	
Mean	5.25	4.77	4.90	4.59	4.64	5.28	5.57	7.12	8.01	6.05	5.81	4.09	
Max	7.00	5.82	6.35	6.37	5.96	6.15	7.07	9.49	10.35	7.33	8.53	6.13	10.35
Min	4.22	3.84	3.75	3.84	4.01	4.53	4.61	5.22	5.22	4.82	4.22	3.46	3.46
Annual Max Momentary Gage Height	10.45		m. (MSL.) ,			at 03.00 Hours ,	on Dec 20, 2022						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	1.40	m. (MSL.)					
Left Bank Elevation	10.48		m. (MSL.) ,										
Right Bank Elevation	9.79		m. (MSL.) ,			Drainage Are	1,358	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

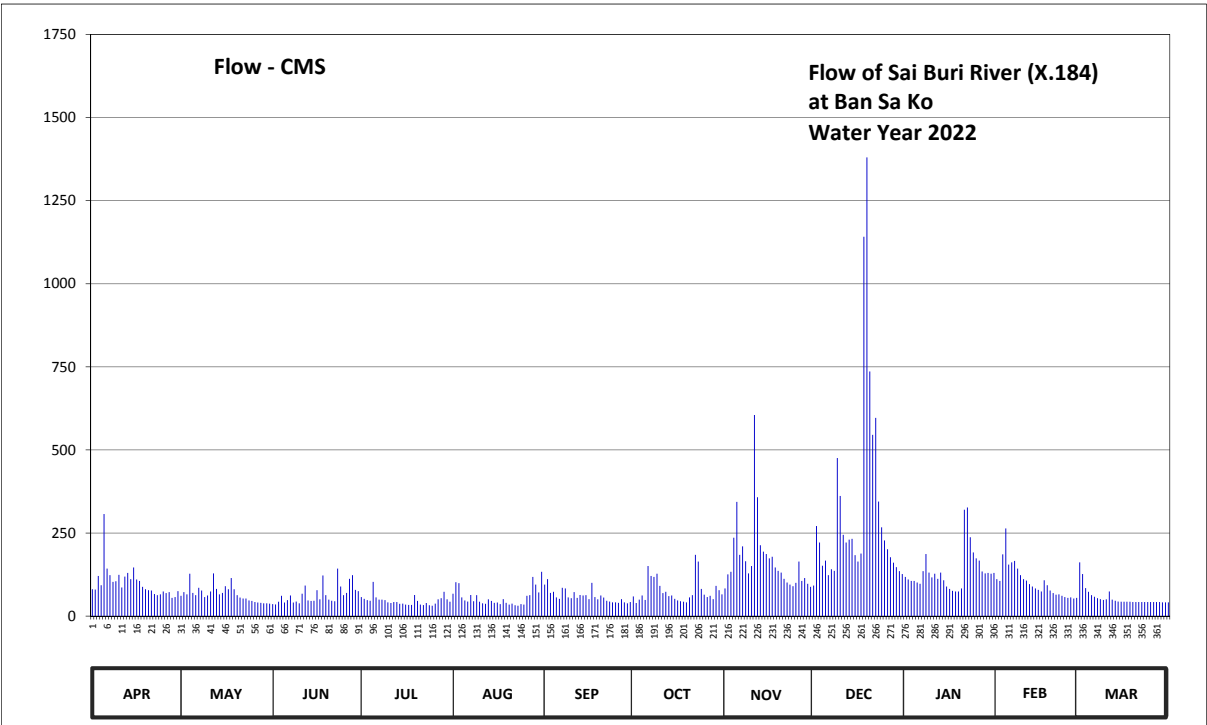
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	40.10	35.00	17.80	52.40	67.70	79.40	51.50	62.90	59.60	60.20	95.30	50.60		
	2	38.60	40.10	17.00	42.20	65.60	85.40	45.80	89.00	94.25	55.10	86.90	86.90		
	3	52.70	50.90	29.60	35.90	55.10	76.70	61.10	110.00	133.55	52.10	115.60	73.40		
	4	46.10	71.60	38.90	38.30	48.50	59.00	79.10	120.60	136.70	60.80	172.55	55.40		
	5	90.05	59.00	32.60	91.45	41.90	50.30	68.90	140.75	121.00	58.70	191.45	44.30		
	6	117.00	53.30	24.20	94.95	39.50	41.60	76.40	136.25	114.90	52.10	175.85	37.70		
	7	86.30	47.90	47.60	70.70	35.90	64.70	75.80	153.00	97.40	58.40	167.00	33.50		
	8	76.40	43.40	60.80	58.10	31.10	63.50	59.90	166.00	93.20	103.35	147.95	30.50		
	9	66.50	36.80	54.20	52.10	38.30	46.10	73.10	139.85	142.55	119.00	117.40	28.10		
	10	72.80	32.90	36.80	44.30	35.30	55.40	85.40	121.80	222.80	99.15	97.75	26.00		
	11	60.20	44.60	40.40	37.40	28.10	61.40	93.55	186.90	265.50	103.70	84.80	35.60		
	12	71.30	72.20	45.50	32.90	23.30	47.30	100.90	299.10	253.50	107.20	77.60	29.00		
	13	65.90	73.40	36.80	30.50	29.90	65.00	91.10	295.30	233.80	124.20	65.30	25.10		
	14	75.50	77.60	30.20	27.20	33.80	66.50	82.40	239.00	218.00	115.60	56.90	22.70		
	15	89.70	66.50	36.50	28.40	27.50	87.50	72.50	204.40	195.35	88.10	51.20	20.90		
	16	87.50	56.90	68.60	26.00	27.20	80.60	55.70	174.20	169.50	71.90	46.70	19.60		
	17	87.20	61.40	59.30	23.60	26.90	86.90	47.60	161.50	155.00	60.80	63.20	18.80		
	18	71.00	61.40	57.20	23.90	31.40	74.60	44.30	146.60	246.80	53.60	70.10	18.00		
	19	57.20	67.70	51.80	33.80	39.20	62.00	41.30	135.80	495.00	51.50	63.50	17.40		
	20	53.00	58.40	42.80	37.10	34.40	67.40	57.80	121.00	495.00	47.60	52.10	16.80		
	21	60.50	46.70	39.80	28.40	37.70	60.80	80.30	100.90	432.60	69.50	45.20	16.20		
	22	52.10	39.80	47.00	23.60	35.90	66.20	106.85	85.40	397.40	112.80	42.80	15.60		
	23	44.00	38.00	73.70	20.90	31.70	56.00	119.80	75.20	382.00	130.85	39.20	15.20		
	24	38.60	32.90	94.25	19.20	29.90	49.70	101.60	65.90	320.00	116.30	35.90	14.80		
	25	41.30	29.90	79.40	18.80	31.40	51.50	77.90	59.60	226.00	102.30	33.20	13.60		
	26	38.90	27.20	86.90	19.20	38.00	49.70	62.90	79.40	171.50	110.70	31.70	13.00		
	27	39.50	24.20	71.30	22.10	45.50	52.40	54.50	77.90	124.20	96.70	30.20	12.60		
	28	34.40	21.80	57.80	52.40	70.70	47.90	47.60	94.25	97.40	92.15	29.60	12.60		
	29	29.60	19.80	62.60	59.60	66.80	38.90	55.10	91.10	83.60	94.95		12.40		
	30	34.70	19.40	64.70	47.60	77.60	45.50	56.60	72.50	74.00	96.70		11.60		
	31		18.80		69.50	81.80		55.40		66.50	105.45		11.20		
Total		1818.65	1429.50	1506.05	1262.50	1307.60	1839.90	2182.70	4006.10	6318.60	2671.50	2286.95	839.10	27469.15	CMSDAY
Mean		60.62	46.11	50.20	40.73	42.18	61.33	70.41	133.54	203.83	86.18	81.68	27.07	75.26	CMS
Max		117.00	77.60	94.25	94.95	81.80	87.50	119.80	299.10	495.00	130.85	191.45	86.90	495.00	CMS
Min		29.60	18.80	17.00	18.80	23.30	38.90	41.30	59.60	59.60	47.60	29.60	11.20	11.20	CMS
Runoff		157.13	123.51	130.12	109.08	112.98	158.97	188.59	346.13	545.93	230.82	197.59	72.50	2373.33	MCM
Momentary Peak		521.00 CMS. at 10.45 m. (MSL.) at 03.00 Hours , on Dec 20, 2022													
Runoff Yield		55.42	Liters/Second/Square KM.				Momentary Peak Yield				383.65	Liters/Second/Square KM.			

Sai Buri River at Ban Sa Ko , Narathiwat (X.184)

Location : on left bank at Ban Sa Ko.

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	23.51	23.30	23.00	23.26	23.37	23.65	23.28	23.53	23.62	23.87	23.81	24.27	
2	23.50	23.42	22.99	23.20	23.72	23.81	23.04	23.94	25.19	23.80	23.76	23.95	
3	23.90	23.35	23.09	23.15	23.69	23.40	23.17	24.01	24.78	23.76	24.48	23.54	
4	23.63	23.96	23.30	23.13	23.25	23.43	23.31	24.90	24.18	23.76	25.13	23.43	
5	25.47	23.40	23.06	23.73	23.14	23.25	23.16	25.75	24.32	23.71	24.21	23.32	
6	24.10	23.32	23.15	23.25	23.10	23.20	24.17	24.47	23.92	23.67	24.27	23.27	
7	23.92	23.55	23.31	23.17	23.33	23.55	23.90	24.68	24.08	24.03	24.31	23.22	
8	23.73	23.47	23.06	23.17	23.11	23.53	23.87	24.30	24.04	24.49	24.10	23.19	
9	23.75	23.26	23.10	23.15	23.32	23.25	23.96	23.97	26.66	23.99	23.92	23.16	
10	23.93	23.31	23.03	23.07	23.09	23.22	23.61	24.17	25.89	23.86	23.81	23.18	
11	23.56	23.44	23.37	23.04	23.03	23.42	23.39	27.44	24.97	23.96	23.77	23.44	
12	23.88	23.97	23.62	23.08	23.01	23.23	23.43	25.86	24.78	23.82	23.66	23.17	
13	23.98	23.52	23.14	23.08	23.18	23.33	23.29	24.71	24.85	23.99	23.59	23.13	
14	23.81	23.35	23.12	23.01	23.12	23.31	23.31	24.55	24.87	23.78	23.53	23.10	
15	24.13	23.40	23.13	23.02	23.05	23.32	23.20	24.49	24.46	23.59	23.49	23.09	
16	23.80	23.60	23.48	22.98	23.06	23.19	23.14	24.38	24.29	23.52	23.44	23.09	
17	23.76	23.51	23.18	22.97	23.00	23.70	23.11	24.42	24.50	23.46	23.78	23.09	
18	23.58	23.84	23.91	22.97	23.19	23.26	23.09	24.13	29.84	23.44	23.63	23.09	
19	23.51	23.51	23.32	23.33	23.05	23.18	23.07	24.04	30.63	23.44	23.47	23.08	
20	23.48	23.32	23.17	23.12	22.98	23.31	23.25	23.99	28.14	23.53	23.39	23.08	
21	23.47	23.24	23.13	22.98	23.02	23.24	23.32	23.82	27.09	25.57	23.34	23.08	
22	23.36	23.21	23.11	22.96	22.95	23.13	24.47	23.71	27.39	25.62	23.35	23.08	
23	23.32	23.21	24.10	23.04	22.93	23.10	24.29	23.65	25.76	24.91	23.30	23.08	
24	23.35	23.14	23.59	22.95	23.00	23.07	23.52	23.60	25.16	24.53	23.26	23.08	
25	23.44	23.12	23.32	22.93	22.98	23.07	23.34	23.70	24.83	24.38	23.23	23.08	
26	23.39	23.08	23.40	23.02	23.30	23.05	23.26	24.29	24.61	24.32	23.25	23.08	
27	23.42	23.06	23.82	23.18	23.32	23.19	23.30	23.76	24.41	24.02	23.21	23.08	
28	23.23	23.05	23.92	23.22	23.87	23.07	23.19	23.84	24.26	23.97	23.23	23.08	
29	23.26	23.03	23.49	23.43	23.65	23.03	23.61	23.67	24.14	23.98		23.07	
30	23.45	23.03	23.45	23.18	23.41	23.08	23.48	23.58	24.03	23.96		23.07	
31		23.02		23.09	24.01		23.35		23.95	23.98		23.07	
Mean	23.69	23.35	23.33	23.12	23.23	23.29	23.45	24.31	25.28	24.02	23.70	23.22	
Max	25.47	23.97	24.10	23.73	24.01	23.81	24.47	27.44	30.63	25.62	25.13	24.27	30.63
Min	23.23	23.02	22.99	22.93	22.93	23.03	23.04	23.53	23.62	23.44	23.21	23.07	22.93
Annual Max Momentary Gage Height	32.03		m. (MSL) , at 11.00 Hours , on Dec 18, 2022										
Zero Gage at Bottom Elevation	0.00		m. (MSL) , River Bed 21.56 m. (MSL.)										
Left Bank Elevation	33.40		m. (MSL) ,										
Right Bank Elevation	31.40		m. (MSL) , Drainage Are 1,241 Square Kilometers										



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	81.00	61.00	36.00	57.40	67.30	95.00	59.20	83.00	92.00	117.70	111.10	161.70		
2	80.00	72.00	35.30	52.00	102.00	111.10	39.20	125.40	270.80	110.00	106.00	126.50		
3	121.00	65.50	43.20	48.00	99.00	70.00	49.60	133.10	221.60	106.00	185.60	84.00		
4	93.00	127.60	61.00	46.40	56.50	73.00	61.90	236.00	151.80	106.00	263.60	73.00		
5	307.10	70.00	40.80	103.00	47.20	56.50	48.80	343.50	167.20	101.00	155.10	62.80		
6	143.00	62.80	48.00	56.50	44.00	52.00	150.70	184.40	123.20	97.00	161.70	58.30		
7	123.20	85.00	61.90	49.60	63.70	85.00	121.00	209.60	140.80	135.30	166.10	53.80		
8	103.00	77.00	40.80	49.60	44.80	83.00	117.70	165.00	136.40	186.80	143.00	51.20		
9	105.00	57.40	44.00	48.00	62.80	56.50	127.60	128.70	475.60	130.90	123.20	48.80		
10	124.30	61.90	38.40	41.60	43.20	53.80	91.00	150.70	361.70	116.60	111.10	50.40		
11	86.00	74.00	67.30	39.20	38.40	72.00	69.10	605.20	244.40	127.60	107.00	74.00		
12	118.80	128.70	92.00	42.40	36.80	54.70	73.00	357.80	221.60	112.20	96.00	49.60		
13	129.80	82.00	47.20	42.40	50.40	63.70	60.10	213.20	230.00	130.90	89.00	46.40		
14	111.10	65.50	45.60	36.80	45.60	61.90	61.90	194.00	232.40	108.00	83.00	44.00		
15	146.30	70.00	46.40	37.60	40.00	62.80	52.00	186.80	183.20	89.00	79.00	43.20		
16	110.00	90.00	78.00	34.60	40.80	51.20	47.20	173.80	163.90	82.00	74.00	43.20		
17	106.00	81.00	50.40	33.90	36.00	100.00	44.80	178.40	188.00	76.00	108.00	43.20		
18	88.00	114.40	122.10	33.90	51.20	57.40	43.20	146.30	1141.20	74.00	93.00	43.20		
19	81.00	81.00	62.80	63.70	40.00	50.40	41.60	136.40	1380.20	74.00	77.00	42.40		
20	78.00	62.80	49.60	45.60	34.60	61.90	56.50	130.90	736.00	83.00	69.10	42.40		
21	77.00	55.60	46.40	34.60	37.60	55.60	62.80	112.20	545.30	320.10	64.60	42.40		
22	66.40	52.90	44.80	33.20	32.50	46.40	184.40	101.00	596.30	326.60	65.50	42.40		
23	62.80	52.90	143.00	39.20	31.10	44.00	163.90	95.00	344.80	237.20	61.00	42.40		
24	65.50	47.20	89.00	32.50	36.00	41.60	82.00	90.00	267.20	191.60	57.40	42.40		
25	74.00	45.60	62.80	31.10	34.60	41.60	64.60	100.00	227.60	173.80	54.70	42.40		
26	69.10	42.40	70.00	37.60	61.00	40.00	57.40	163.90	201.20	167.20	56.50	42.40		
27	72.00	40.80	112.20	50.40	62.80	51.20	61.00	106.00	177.20	134.20	52.90	42.40		
28	54.70	40.00	123.20	53.80	117.70	41.60	51.20	114.40	160.60	128.70	54.70	42.40		
29	57.40	38.40	79.00	73.00	95.00	38.40	91.00	97.00	147.40	129.80		41.60		
30	75.00	38.40	75.00	50.40	71.00	42.40	78.00	88.00	135.30	127.60		41.60		
31		37.60		43.20	133.10		65.50		126.50	129.80		41.60		
Total	3009.50	2081.40	1956.20	1441.20	1756.70	1814.70	2377.90	5149.70	9791.40	4230.60	2868.90	1706.10	38184.30	CMSDAY
Mean	100.32	67.14	65.21	46.49	56.67	60.49	76.71	171.66	315.85	136.47	102.46	55.04	104.61	CMS
Max	307.10	128.70	143.00	103.00	133.10	111.10	184.40	605.20	1380.20	326.60	263.60	161.70	1380.20	CMS
Min	54.70	37.60	35.30	31.10	31.10	38.40	39.20	83.00	92.00	74.00	52.90	41.60	31.10	CMS
Runoff	260.02	179.83	169.02	124.52	151.78	156.79	205.45	444.93	845.98	365.52	247.87	147.41	3299.12	MCM
Momentary Peak	1926.70 CMS. at 32.03 m. (MSL.) at 11.00 Hours , on Dec 18, 2022													
Runoff Yield	84.30	Liters/Second/Square KM.			Momentary Peak Yield			1552.54	Liters/Second/Square KM.					

WATER YEAR : 2022**Peninsula-Lower East Coast****Kolok River at Ban Bu Kae Ta , Narathiwat (X.274)**

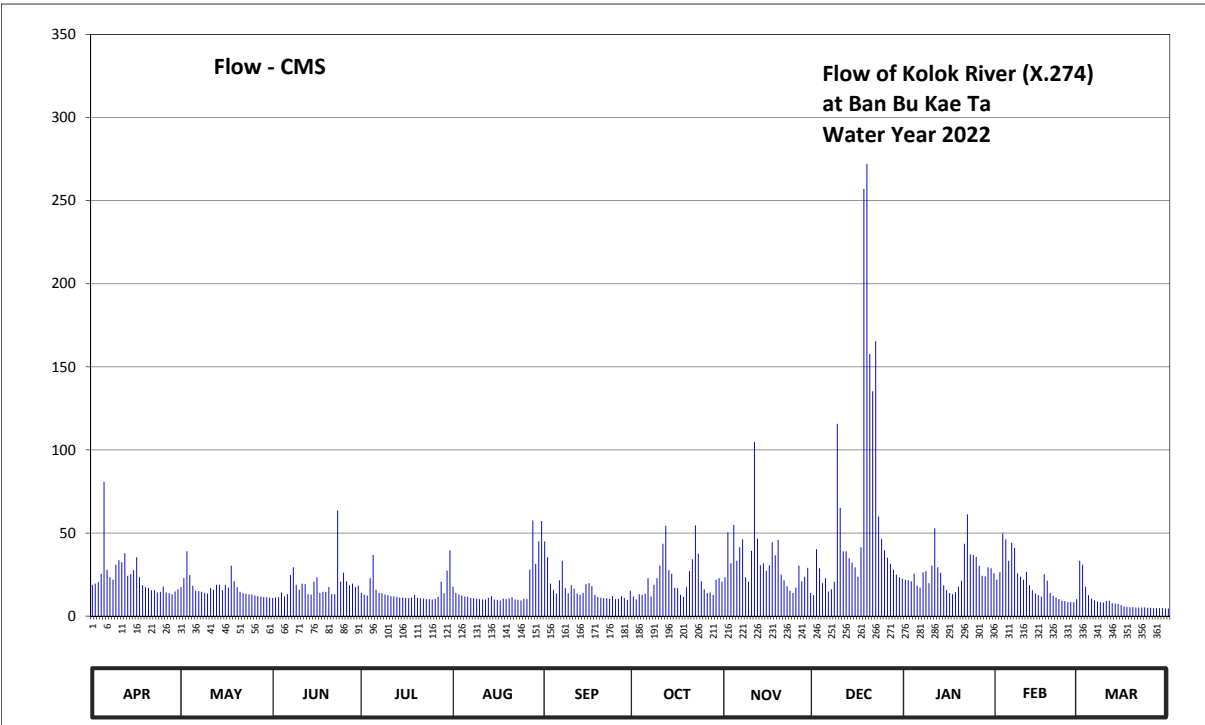
Lat 05 - 50 - 21 N Long 101 - 53 - 32 E

Location : on left bank at Ban Bu Kae Ta.

	Ban	Bu Kae Ta	Amphoe	Waeng	Changwat	Narathiwat
Drainage Area	78	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the automatic gage building.				Elevation	28.193 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2013 to date					
Rating Operation						
Period of Rating	2013 to date					
Rated by Float	-					
Rated by Current Meter	2013 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 24.190 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 30 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	18.93	18.88	18.60	18.75	18.89	19.80	18.64	19.08	18.68	19.03	19.03	19.41	
2	18.95	19.06	18.61	18.70	18.75	19.48	18.55	19.98	19.64	19.02	19.18	19.33	
3	18.98	19.60	18.62	18.67	18.70	18.95	18.71	19.36	19.26	19.00	19.96	18.89	
4	19.15	19.12	18.76	19.06	18.67	18.82	18.69	20.13	18.96	19.15	19.84	18.68	
5	20.82	18.91	18.64	19.53	18.64	18.73	18.72	19.41	19.06	18.91	19.41	18.58	
6	19.23	18.81	18.71	18.83	18.63	19.02	19.06	19.68	18.79	18.87	19.77	18.52	
7	19.08	18.80	19.12	18.75	18.60	19.41	18.64	19.84	18.84	19.18	19.67	18.49	
8	19.03	18.78	19.28	18.74	18.59	18.86	18.93	19.08	18.99	19.20	19.16	18.47	
9	19.33	18.75	18.93	18.70	18.58	18.74	19.06	18.99	21.65	18.96	19.09	18.46	
10	19.42	18.73	18.83	18.68	18.56	18.92	19.31	19.61	20.43	19.31	19.03	18.50	
11	19.38	18.86	18.95	18.65	18.55	18.85	19.75	21.42	19.60	20.06	19.19	18.51	
12	19.56	18.83	18.94	18.64	18.55	18.73	20.11	19.85	19.60	19.28	18.92	18.44	
13	19.11	18.93	18.71	18.63	18.60	18.69	19.22	19.32	19.46	19.17	18.82	18.43	
14	19.14	18.93	18.70	18.61	18.65	18.75	19.15	19.36	19.37	18.92	18.73	18.42	
15	19.22	18.82	18.99	18.61	18.55	18.94	18.87	19.21	19.28	18.82	18.68	18.38	
16	19.48	18.93	19.08	18.60	18.54	18.96	18.86	19.32	19.09	18.75	18.63	18.34	
17	19.08	18.87	18.75	18.59	18.52	18.90	18.69	19.78	19.68	18.71	19.14	18.33	
18	18.92	19.31	18.78	18.61	18.58	18.69	18.63	19.52	23.58	18.77	19.01	18.32	
19	18.88	19.00	18.78	18.69	18.56	18.63	18.88	19.83	23.72	18.89	18.75	18.32	
20	18.86	18.88	18.88	18.60	18.58	18.60	19.20	19.13	22.41	19.01	18.66	18.31	
21	18.82	18.78	18.71	18.59	18.62	18.59	19.44	19.02	22.03	19.75	18.61	18.31	
22	18.82	18.74	18.71	18.58	18.55	18.59	20.12	18.90	22.52	20.33	18.56	18.31	
23	18.76	18.72	20.39	18.56	18.54	18.57	19.55	18.81	20.30	19.54	18.51	18.31	
24	18.78	18.70	18.99	18.56	18.52	18.65	19.00	18.75	19.85	19.53	18.50	18.30	
25	18.89	18.70	19.17	18.55	18.57	18.56	18.84	18.87	19.62	19.49	18.48	18.30	
26	18.76	18.67	19.00	18.57	18.56	18.57	18.75	19.31	19.47	19.31	18.47	18.29	
27	18.74	18.65	18.92	18.63	19.23	18.65	18.76	19.00	19.35	19.11	18.47	18.29	
28	18.71	18.63	18.95	18.99	20.22	18.60	18.69	19.09	19.23	19.10	18.56	18.29	
29	18.79	18.62	18.88	18.74	19.35	18.54	19.03	19.27	19.13	19.28		18.29	
30	18.84	18.62	18.91	19.21	19.80	18.81	19.06	18.75	19.08	19.26		18.28	
31		18.61		19.62	20.21		18.99		19.05	19.16		18.28	
Mean	19.08	18.85	18.91	18.75	18.79	18.82	19.03	19.39	19.99	19.19	18.96	18.46	
Max	20.82	19.60	20.39	19.62	20.22	19.80	20.12	21.42	23.72	20.33	19.96	19.41	23.72
Min	18.71	18.61	18.60	18.55	18.52	18.54	18.55	18.75	18.68	18.71	18.47	18.28	18.28
Annual Max Momentary Gage Height	24.27		m. (MSL.) ,				at 11.00 Hours , on Dec 18, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	18.16	m. (MSL.)					
Left Bank Elevation		24.18	m. (MSL.) ,										
Right Bank Elevation		24.22	m. (MSL.) ,			Drainage Are	78	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	18.90	17.40	11.00	14.00	17.70	45.00	11.80	23.40	12.60	21.90	21.90	33.30	
2	19.50	22.80	11.20	13.00	14.00	35.40	10.00	50.40	40.20	21.60	26.40	30.90	
3	20.40	39.00	11.40	12.40	13.00	19.50	13.20	31.80	28.80	21.00	49.80	17.70	
4	25.50	24.60	14.20	22.80	12.40	15.60	12.80	54.90	19.80	25.50	46.20	12.60	
5	80.80	18.30	11.80	36.90	11.80	13.60	13.40	33.30	22.80	18.30	33.30	10.60	
6	27.90	15.30	13.20	15.90	11.60	21.60	22.80	41.40	14.80	17.10	44.10	9.40	
7	23.40	15.00	24.60	14.00	11.00	33.30	11.80	46.20	16.20	26.40	41.10	8.80	
8	21.90	14.60	29.40	13.80	10.80	16.80	18.90	23.40	20.70	27.00	25.80	8.40	
9	30.90	14.00	18.90	13.00	10.60	13.80	22.80	20.70	115.71	19.80	23.70	8.20	
10	33.60	13.60	15.90	12.60	10.20	18.60	30.30	39.30	65.20	30.30	21.90	9.00	
11	32.40	16.80	19.50	12.00	10.00	16.50	43.50	104.80	39.00	52.80	26.70	9.20	
12	37.80	15.90	19.20	11.80	10.00	13.60	54.30	46.50	39.00	29.40	18.60	7.80	
13	24.30	18.90	13.20	11.60	11.00	12.80	27.60	30.60	34.80	26.10	15.60	7.60	
14	25.20	18.90	13.00	11.20	12.00	14.00	25.50	31.80	32.10	18.60	13.60	7.40	
15	27.60	15.60	20.70	11.20	10.00	19.20	17.10	27.30	29.40	15.60	12.60	6.60	
16	35.40	18.90	23.40	11.00	9.80	19.80	16.80	30.60	23.70	14.00	11.60	5.80	
17	23.40	17.10	14.00	10.80	9.40	18.00	12.80	44.40	41.40	13.20	25.20	5.60	
18	18.60	30.30	14.60	11.20	10.60	12.80	11.60	36.60	257.00	14.40	21.30	5.40	
19	17.40	21.00	14.60	12.80	10.20	11.60	17.40	45.90	272.20	17.70	14.00	5.40	
20	16.80	17.40	17.40	11.00	10.60	11.00	27.00	24.90	157.70	21.30	12.20	5.20	
21	15.60	14.60	13.20	10.80	11.40	10.80	34.20	21.60	135.26	43.50	11.20	5.20	
22	15.60	13.80	13.20	10.60	10.00	10.80	54.60	18.00	165.40	61.20	10.20	5.20	
23	14.20	13.40	63.60	10.20	9.80	10.40	37.50	15.30	60.00	37.20	9.20	5.20	
24	14.60	13.00	20.70	10.20	9.40	12.00	21.00	14.00	46.50	36.90	9.00	5.00	
25	17.70	13.00	26.10	10.00	10.40	10.20	16.20	17.10	39.60	35.70	8.60	5.00	
26	14.20	12.40	21.00	10.40	10.20	10.40	14.00	30.30	35.10	30.30	8.40	4.80	
27	13.80	12.00	18.60	11.60	27.90	12.00	14.20	21.00	31.50	24.30	8.40	4.80	
28	13.20	11.60	19.50	20.70	57.60	11.00	12.80	23.70	27.90	24.00	10.20	4.80	
29	14.80	11.40	17.40	13.80	31.50	9.80	21.90	29.10	24.90	29.40		4.80	
30	16.20	11.40	18.30	27.30	45.00	15.30	22.80	14.00	23.40	28.80		4.60	
31		11.20		39.60	57.30		20.70		22.50	25.80		4.60	
Total	711.60	523.20	562.80	458.20	507.20	495.20	691.30	992.30	1895.17	829.10	580.80	268.90	8515.77 CMSDAY
Mean	23.72	16.88	18.76	14.78	16.36	16.51	22.30	33.08	61.13	26.75	20.74	8.67	23.33 CMS
Max	80.80	39.00	63.60	39.60	57.60	45.00	54.60	104.80	272.20	61.20	49.80	33.30	272.20 CMS
Min	13.20	11.20	11.00	10.00	9.40	9.80	10.00	14.00	12.60	13.20	8.40	4.60	4.60 CMS
Runoff	61.48	45.20	48.63	39.59	43.82	42.79	59.73	85.73	163.74	71.63	50.18	23.23	735.76 MCM
Momentary Peak	338.10 CMS. at 24.27 m. (MSL.) at 11.00 Hours , on Dec 18, 2022												
Runoff Yield	299.11	Liters/Second/Square KM.			Momentary Peak Yield		4334.62	Liters/Second/Square KM.					

WATER YEAR : 2022**PENINSULA - WEST COAST****Trang River at Ban Tha Pradu , Trang (X.56)**

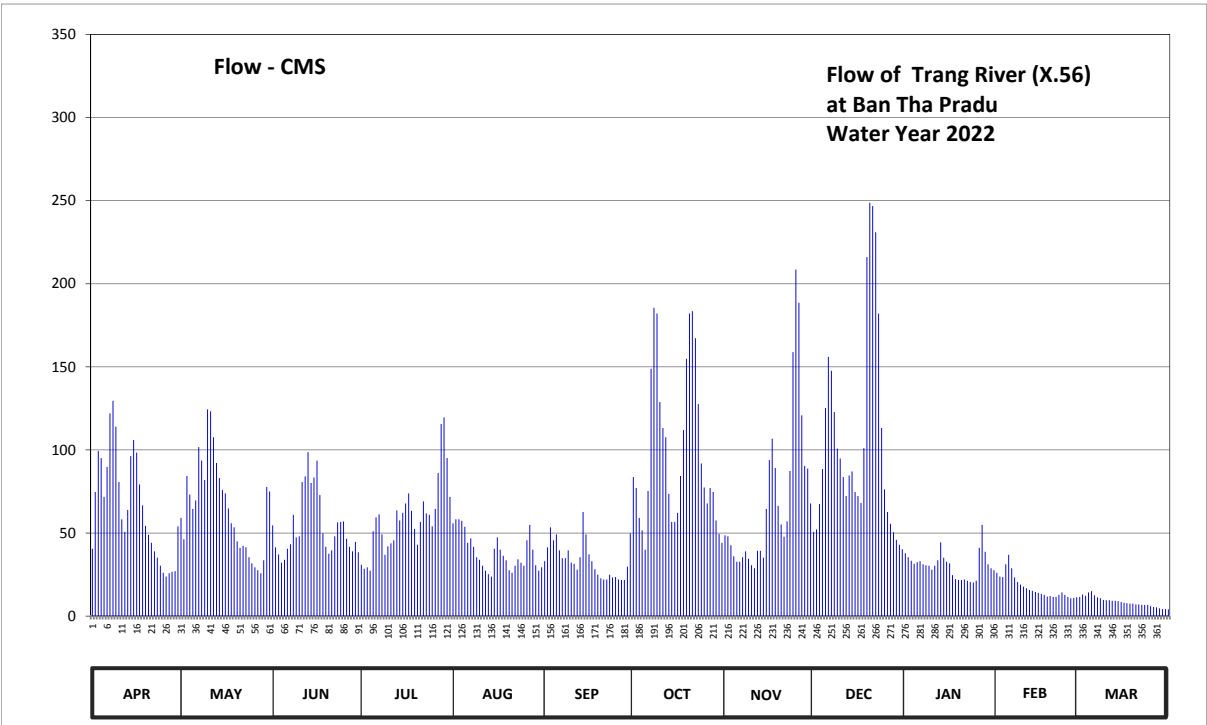
Lat 07 - 46 - 16 N Long 99 - 32 - 14 E

Location : on left bank at Ban Tha Pradu.

	Ban	Tha Pradu	Amphoe	Huai Yot	Changwat	Trang
Drainage Area	1,422	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the top staff gage.				Elevation	+19.962 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2004 to date					
Rating Operation						
Period of Rating	2004 to date					
Rated by Float	-					
Rated by Current Meter	2004 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 13.080 m.(MSL.), records are channel flow only.					
General Description	Records very good. Stage-discharge relation defined by 24 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.55	9.17	9.02	8.23	9.06	8.30	9.99	8.82	8.89	8.46	8.07	7.50	
2	9.69	8.74	8.58	8.15	9.14	8.58	9.77	8.80	8.94	8.38	7.99	7.56	
3	10.51	10.01	8.44	8.18	9.14	8.98	9.17	8.62	9.45	8.31	7.98	7.53	
4	10.37	9.64	8.27	8.11	9.11	8.72	8.92	8.40	10.15	8.25	8.24	7.61	
5	9.59	9.35	8.33	8.90	8.99	8.84	8.53	8.29	11.18	8.28	8.43	7.64	
6	10.19	9.52	8.55	9.18	8.67	8.52	9.71	8.29	11.95	8.30	8.16	7.54	
7	11.10	10.59	8.64	9.24	8.76	8.36	11.77	8.38	11.74	8.24	7.97	7.49	
8	11.29	10.32	9.23	8.84	8.59	8.36	12.61	8.50	11.12	8.22	7.86	7.47	
9	10.90	9.93	8.78	8.43	8.38	8.52	12.54	8.35	10.56	8.21	7.80	7.43	
10	9.89	11.16	8.80	8.60	8.33	8.27	11.27	8.22	10.36	8.13	7.75	7.42	
11	9.14	11.13	9.89	8.66	8.21	8.25	10.88	8.16	9.99	8.21	7.71	7.42	
12	8.89	10.74	10.00	8.72	8.11	8.13	10.74	8.51	9.61	8.32	7.67	7.41	
13	9.33	10.27	10.49	9.32	8.04	8.38	9.65	8.51	10.02	8.68	7.65	7.41	
14	10.41	9.97	9.87	9.12	7.99	9.29	9.09	8.37	10.10	8.37	7.62	7.40	
15	10.70	9.73	9.98	9.27	8.55	8.84	9.09	9.35	9.69	8.29	7.60	7.38	
16	10.48	9.66	10.32	9.46	8.78	8.44	9.27	10.33	9.61	8.26	7.57	7.36	
17	9.84	9.36	9.63	9.66	8.53	8.30	10.01	10.72	9.47	8.02	7.55	7.35	
18	9.42	9.06	8.86	9.31	8.41	8.14	10.85	10.17	10.57	7.93	7.51	7.34	
19	9.01	8.98	8.59	8.95	8.32	8.03	11.92	9.41	13.20	7.91	7.52	7.34	
20	8.83	8.70	8.45	8.63	8.12	7.95	12.54	9.04	13.74	7.91	7.50	7.32	
21	8.67	8.57	8.52	9.09	8.07	7.92	12.57	8.79	13.71	7.92	7.50	7.32	
22	8.50	8.61	8.80	9.50	8.21	7.92	12.23	9.10	13.45	7.89	7.55	7.31	
23	8.37	8.58	9.08	9.26	8.34	8.03	11.24	10.11	12.54	7.86	7.61	7.31	
24	8.21	8.38	9.09	9.23	8.27	7.97	10.26	12.02	10.88	7.85	7.55	7.31	
25	8.07	8.26	9.10	9.00	8.21	7.98	9.78	13.07	9.74	7.89	7.50	7.28	
26	7.99	8.18	8.75	9.35	8.72	7.92	9.46	12.67	9.29	8.57	7.47	7.26	
27	8.06	8.12	8.59	10.07	9.03	7.91	9.77	11.07	9.05	9.03	7.48	7.25	
28	8.09	8.06	8.50	10.94	8.53	7.91	9.69	10.21	8.88	8.49	7.49	7.23	
29	8.10	8.32	8.69	11.04	8.22	8.19	9.12	10.16	8.73	8.24		7.21	
30	9.00	9.79	8.48	10.37	8.11	8.86	8.85	9.46	8.63	8.16		7.21	
31		9.70		9.59	8.18		8.67		8.54	8.12		7.20	
Mean	9.37	9.37	9.01	9.17	8.49	8.33	10.32	9.46	10.44	8.22	7.73	7.38	
Max	11.29	11.16	10.49	11.04	9.14	9.29	12.61	13.07	13.74	9.03	8.43	7.64	13.74
Min	7.99	8.06	8.27	8.11	7.99	7.91	8.53	8.16	8.54	7.85	7.47	7.20	7.20
Annual Max Momentary Gage Height	13.78		m. (MSL.) ,				at 12.00 Hours , on Dec 20, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	6.01	m. (MSL.)					
Left Bank Elevation		13.07	m. (MSL.) ,										
Right Bank Elevation		15.00	m. (MSL.) ,			Drainage Are	1,422	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	40.50	59.10	54.60	30.90	55.80	33.00	83.70	48.60	50.70	37.80	26.10	11.50	
2	74.70	46.20	41.40	28.50	58.20	41.40	77.10	48.00	52.20	35.40	23.75	13.00	
3	99.30	84.30	37.20	29.40	58.20	53.40	59.10	42.60	67.50	33.30	23.50	12.25	
4	95.10	73.20	32.10	27.30	57.30	45.60	51.60	36.00	88.50	31.50	31.20	14.25	
5	71.70	64.50	33.90	51.00	53.70	49.20	39.90	32.70	125.20	32.40	36.90	15.00	
6	89.70	69.60	40.50	59.40	44.10	39.60	75.30	32.70	156.00	33.00	28.80	12.50	
7	122.00	101.70	43.20	61.20	46.80	34.80	148.80	35.40	147.60	31.20	23.25	11.25	
8	129.60	93.60	60.90	49.20	41.70	34.80	185.50	39.00	122.80	30.60	20.50	10.75	
9	114.00	81.90	47.40	36.90	35.40	39.60	182.00	34.50	100.80	30.30	19.00	9.75	
10	80.70	124.40	48.00	42.00	33.90	32.10	128.80	30.60	94.80	27.90	17.75	9.50	
11	58.20	123.20	80.70	43.80	30.30	31.50	113.20	28.80	83.70	30.30	16.75	9.50	
12	50.70	107.60	84.00	45.60	27.30	27.90	107.60	39.30	72.30	33.60	15.75	9.25	
13	63.90	92.10	98.70	63.60	25.20	35.40	73.50	39.30	84.60	44.40	15.25	9.25	
14	96.30	83.10	80.10	57.60	23.75	62.70	56.70	35.10	87.00	35.10	14.50	9.00	
15	106.00	75.90	83.40	62.10	40.50	49.20	56.70	64.50	74.70	32.70	14.00	8.50	
16	98.40	73.80	93.60	67.80	47.40	37.20	62.10	93.90	72.30	31.80	13.25	8.00	
17	79.20	64.80	72.90	73.80	39.90	33.00	84.30	106.80	68.10	24.60	12.75	7.75	
18	66.60	55.80	49.80	63.30	36.30	28.20	112.00	89.10	101.10	22.25	11.75	7.50	
19	54.30	53.40	41.70	52.50	33.60	24.90	154.80	66.30	216.00	21.75	12.00	7.50	
20	48.90	45.00	37.50	42.90	27.60	22.75	182.00	55.20	248.80	21.75	11.50	7.00	
21	44.10	41.10	39.60	56.70	26.10	22.00	183.50	47.70	246.70	22.00	11.50	7.00	
22	39.00	42.30	48.00	69.00	30.30	22.00	167.20	57.00	231.00	21.25	12.75	6.75	
23	35.10	41.40	56.40	61.80	34.20	24.90	127.60	87.30	182.00	20.50	14.25	6.75	
24	30.30	35.40	56.70	60.90	32.10	23.25	91.80	158.80	113.20	20.25	12.75	6.75	
25	26.10	31.80	57.00	54.00	30.30	23.50	77.40	208.50	76.20	21.25	11.50	6.00	
26	23.75	29.40	46.50	64.50	45.60	22.00	67.80	188.50	62.70	41.10	10.75	5.50	
27	25.80	27.60	41.70	86.10	54.90	21.75	77.10	120.80	55.50	54.90	11.00	5.25	
28	26.70	25.80	39.00	115.60	39.90	21.75	74.70	90.30	50.40	38.70	11.25	4.75	
29	27.00	33.60	44.70	119.60	30.60	29.70	57.60	88.80	45.90	31.20		4.25	
30	54.00	77.70	38.40	95.10	27.30	49.80	49.50	67.80	42.90	28.80		4.25	
31		75.00		71.70	29.40		44.10		40.20	27.60		4.00	
Total	1971.65	2034.30	1629.60	1843.80	1197.65	1016.90	3053.00	2113.90	3261.40	949.20	484.00	264.25	19819.65
Mean	65.72	65.62	54.32	59.48	38.63	33.90	98.48	70.46	105.21	30.62	17.29	8.52	54.30
Max	129.60	124.40	98.70	119.60	58.20	62.70	185.50	208.50	248.80	54.90	36.90	15.00	248.80
Min	23.75	25.80	32.10	27.30	23.75	21.75	39.90	28.80	40.20	20.25	10.75	4.00	4.00
Runoff	170.35	175.76	140.80	159.30	103.48	87.86	263.78	182.64	281.78	82.01	41.82	22.83	1712.42
Momentary Peak	CMS. at 13.78 m. (MSL.) at 12.00 Hours , on Dec 20, 2022												
Runoff Yield	38.19	Liters/Second/Square KM.			Momentary Peak Yield			Liters/Second/Square KM.					

WATER YEAR : 2022**PENINSULA - WEST COAST****Khlong Lamphu La at Ban Lamphu La , Trang (X.110)**

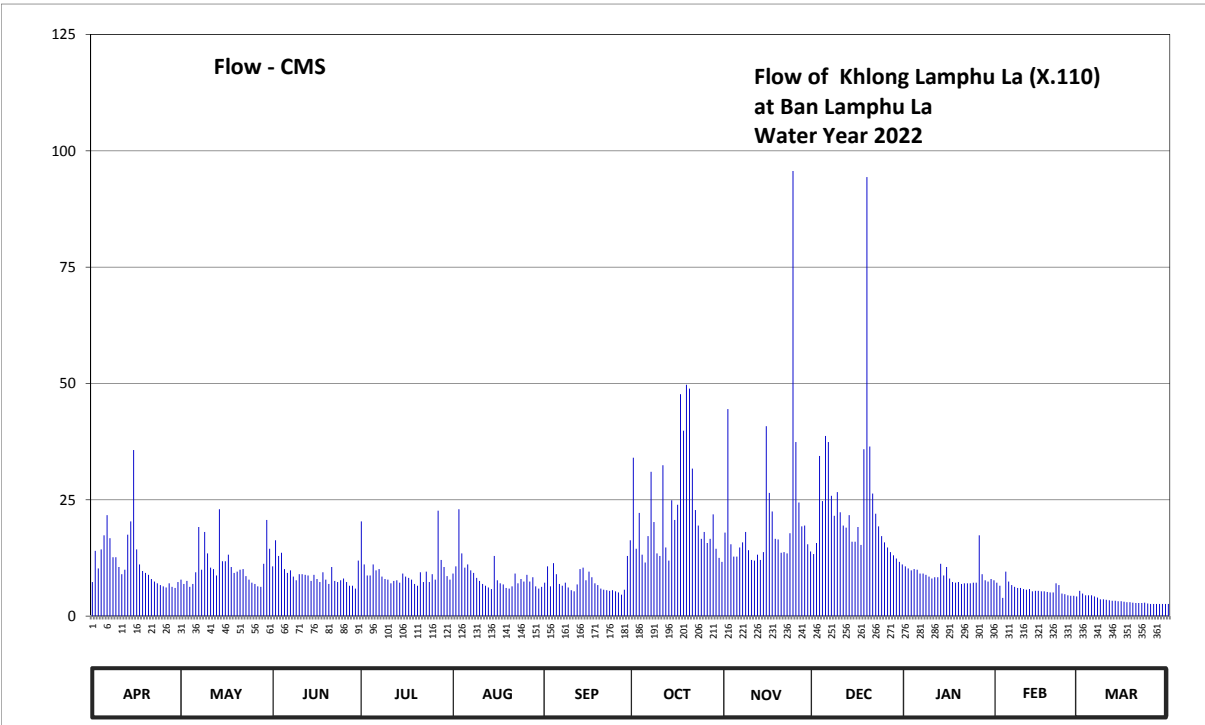
Lat 07 - 40 - 31 N Long 99 - 34 - 55 E

Location : on left bank at Ban Lamphu La.

	Ban	Lamphu La	Amphoe	Huai Yot	Changwat	Trang
Drainage Area	257	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the top staff gage.					Elevation +17.544 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic means of 5 readings					
Period of Available Gage Records	1979-1989 ,2021 to date					
Rating Operation						
Period of Rating	1979-1989 ,2021 to date					
Rated by Float	-					
Rated by Current Meter	1979-1989 ,2021 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 14.690 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 23 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	10.87	10.91	11.12	11.79	11.01	10.86	12.63	11.63	11.31	11.12	10.86	10.72	
2	11.36	10.84	11.52	11.15	11.12	11.12	11.39	13.18	11.48	11.09	10.81	10.67	
3	11.09	10.89	11.28	10.98	11.96	10.80	11.91	11.46	12.65	11.06	10.59	10.64	
4	11.38	10.79	11.33	10.98	11.32	11.17	11.30	11.27	12.07	11.08	11.04	10.64	
5	11.59	10.84	11.08	11.15	11.10	11.00	11.18	11.27	12.88	11.07	10.88	10.64	
6	11.88	11.03	11.02	11.06	11.15	10.84	11.58	11.41	12.81	11.01	10.82	10.62	
7	11.55	11.71	11.06	11.08	11.06	10.81	12.46	11.49	12.14	11.01	10.79	10.60	
8	11.26	11.07	10.96	10.96	11.02	10.86	11.78	11.64	11.87	10.99	10.77	10.56	
9	11.26	11.64	10.90	10.92	10.94	10.78	11.32	11.37	12.19	10.96	10.77	10.56	
10	11.11	11.32	11.00	10.91	10.89	10.73	11.28	11.22	11.92	10.93	10.75	10.55	
11	11.00	11.10	11.00	10.85	10.84	10.71	12.54	11.21	11.73	10.95	10.74	10.54	
12	11.07	11.08	10.99	10.89	10.81	10.83	11.41	11.30	11.70	10.95	10.75	10.53	
13	11.60	10.98	10.98	10.90	10.78	11.08	11.21	11.22	11.88	11.16	10.71	10.53	
14	11.79	11.96	10.89	10.86	10.75	11.10	12.08	11.34	11.50	10.98	10.72	10.52	
15	12.72	11.20	10.99	11.01	11.28	10.90	11.81	12.99	11.50	11.11	10.72	10.52	
16	11.38	11.20	10.92	10.96	10.90	11.04	12.02	12.18	11.71	10.93	10.71	10.51	
17	11.15	11.30	10.87	10.94	10.85	10.95	13.34	11.93	11.45	10.87	10.71	10.50	
18	11.05	11.11	11.03	10.91	10.83	10.85	12.94	11.54	12.73	10.86	10.70	10.50	
19	11.02	11.02	10.91	10.84	10.77	10.82	13.44	11.53	14.69	10.87	10.69	10.49	
20	10.99	11.04	10.84	10.81	10.76	10.76	13.40	11.33	12.76	10.84	10.69	10.48	
21	10.92	11.07	11.11	11.03	10.80	10.74	12.50	11.34	12.17	10.85	10.85	10.48	
22	10.88	11.08	10.89	10.87	11.01	10.73	11.95	11.32	11.90	10.85	10.82	10.48	
23	10.85	10.97	10.87	11.04	10.85	10.72	11.73	11.62	11.72	10.85	10.67	10.49	
24	10.82	10.91	10.90	10.87	10.92	10.73	11.54	14.71	11.58	10.86	10.66	10.47	
25	10.80	10.86	10.93	11.00	10.88	10.71	11.64	12.81	11.49	10.86	10.64	10.46	
26	10.78	10.84	10.87	10.91	10.99	10.69	11.48	12.05	11.41	11.59	10.63	10.46	
27	10.85	10.80	10.81	11.94	10.88	10.65	11.54	11.72	11.34	11.00	10.63	10.46	
28	10.79	10.79	10.81	11.22	10.95	10.74	11.89	11.73	11.29	10.90	10.62	10.46	
29	10.77	11.16	10.76	11.11	10.80	11.28	11.39	11.46	11.24	10.88		10.46	
30	10.87	11.81	11.21	10.97	10.76	11.52	11.25	11.35	11.19	10.92		10.46	
31		11.39		10.91	10.79		11.19		11.15	10.90		10.46	
Mean	11.18	11.12	10.99	11.03	10.96	10.88	11.91	11.75	11.92	10.98	10.74	10.53	
Max	12.72	11.96	11.52	11.94	11.96	11.52	13.44	14.71	14.69	11.59	11.04	10.72	14.71
Min	10.77	10.79	10.76	10.81	10.75	10.65	11.18	11.21	11.15	10.84	10.59	10.46	10.46
Annual Max Momentary Gage Height	15.44		m. (MSL.) ,				at 06.00 Hours , on Nov 24, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	10.02	m. (MSL.)					
Left Bank Elevation		14.85	m. (MSL.) ,										
Right Bank Elevation		14.68	m. (MSL.) ,			Drainage Are	257	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	7.31	7.83	10.68	20.35	9.14	7.18	34.04	17.95	13.34	10.68	7.18	5.44		
2	14.04	6.92	16.30	11.10	10.68	10.68	14.46	44.50	15.72	10.26	6.53	4.84		
3	10.26	7.57	12.92	8.74	22.96	6.40	22.16	15.44	34.40	9.84	3.90	4.48		
4	14.32	6.28	13.62	8.74	13.48	11.38	13.20	12.78	24.72	10.12	9.56	4.48		
5	17.35	6.92	10.12	11.10	10.40	9.00	11.52	12.78	38.72	9.98	7.44	4.48		
6	21.70	9.42	9.28	9.84	11.10	6.92	17.20	14.74	37.39	9.14	6.66	4.24		
7	16.75	19.15	9.84	10.12	9.84	6.53	31.02	15.86	25.84	9.14	6.28	4.00		
8	12.64	9.98	8.48	8.48	9.28	7.18	20.20	18.10	21.55	8.87	6.04	3.60		
9	12.64	18.10	7.70	7.96	8.22	6.16	13.48	14.18	26.64	8.48	6.04	3.60		
10	10.54	13.48	9.00	7.83	7.57	5.56	12.92	12.08	22.32	8.09	5.80	3.50		
11	9.00	10.40	9.00	7.05	6.92	5.32	32.42	11.94	19.45	8.35	5.68	3.40		
12	9.98	10.12	8.87	7.57	6.53	6.79	14.74	13.20	19.00	8.35	5.80	3.30		
13	17.50	8.74	8.74	7.70	6.16	10.12	11.94	12.08	21.70	11.24	5.32	3.30		
14	20.35	22.96	7.57	7.18	5.80	10.40	24.88	13.76	16.00	8.74	5.44	3.20		
15	35.68	11.80	8.87	9.14	12.92	7.70	20.65	40.81	16.00	10.54	5.44	3.20		
16	14.32	11.80	7.96	8.48	7.70	9.56	23.92	26.48	19.15	8.09	5.32	3.10		
17	11.10	13.20	7.31	8.22	7.05	8.35	47.70	22.48	15.30	7.31	5.32	3.00		
18	9.70	10.54	9.42	7.83	6.79	7.05	39.86	16.60	35.87	7.18	5.20	3.00		
19	9.28	9.28	7.83	6.92	6.04	6.66	49.70	16.45	94.35	7.31	5.08	2.90		
20	8.87	9.56	6.92	6.53	5.92	5.92	48.90	13.62	36.44	6.92	5.08	2.80		
21	7.96	9.98	10.54	9.42	6.40	5.68	31.70	13.76	26.32	7.05	7.05	2.80		
22	7.44	10.12	7.57	7.31	9.14	5.56	22.80	13.48	22.00	7.05	6.66	2.80		
23	7.05	8.61	7.31	9.56	7.05	5.44	19.45	17.80	19.30	7.05	4.84	2.90		
24	6.66	7.83	7.70	7.31	7.96	5.56	16.60	95.65	17.20	7.18	4.72	2.70		
25	6.40	7.18	8.09	9.00	7.44	5.32	18.10	37.39	15.86	7.18	4.48	2.60		
26	6.16	6.92	7.31	7.83	8.87	5.08	15.72	24.40	14.74	17.35	4.36	2.60		
27	7.05	6.40	6.53	22.64	7.44	4.60	16.60	19.30	13.76	9.00	4.36	2.60		
28	6.28	6.28	6.53	12.08	8.35	5.68	21.85	19.45	13.06	7.70	4.24	2.60		
29	6.04	11.24	5.92	10.54	6.40	12.92	14.46	15.44	12.36	7.44		2.60		
30	7.31	20.65	11.94	8.61	5.92	16.30	12.50	13.90	11.66	7.96		2.60		
31		14.46		7.83	6.28		11.66		11.10	7.70		2.60		
Total	351.68	333.72	269.87	293.01	265.75	227.00	706.35	636.40	731.26	271.29	159.82	103.26	4349.41	CMSDAY
Mean	11.72	10.77	9.00	9.45	8.57	7.57	22.79	21.21	23.59	8.75	5.71	3.33	11.92	CMS
Max	35.68	22.96	16.30	22.64	22.96	16.30	49.70	95.65	94.35	17.35	9.56	5.44	95.65	CMS
Min	6.04	6.28	5.92	6.53	5.80	4.60	11.52	11.94	11.10	6.92	3.90	2.60	2.60	CMS
Runoff	30.39	28.83	23.32	25.32	22.96	19.61	61.03	54.98	63.18	23.44	13.81	8.92	375.79	MCM
Momentary Peak	156.80 CMS. at 15.44 m. (MSL.) at 06.00 Hours , on Nov 24, 2022													
Runoff Yield	46.37	Liters/Second/Square KM.			Momentary Peak Yield		610.12	Liters/Second/Square KM.						

WATER YEAR : 2022**SOUTHERN PENINSULA WEST COAST****Khlong Palian at Ban Palian Nai , Trang (X.139A)**

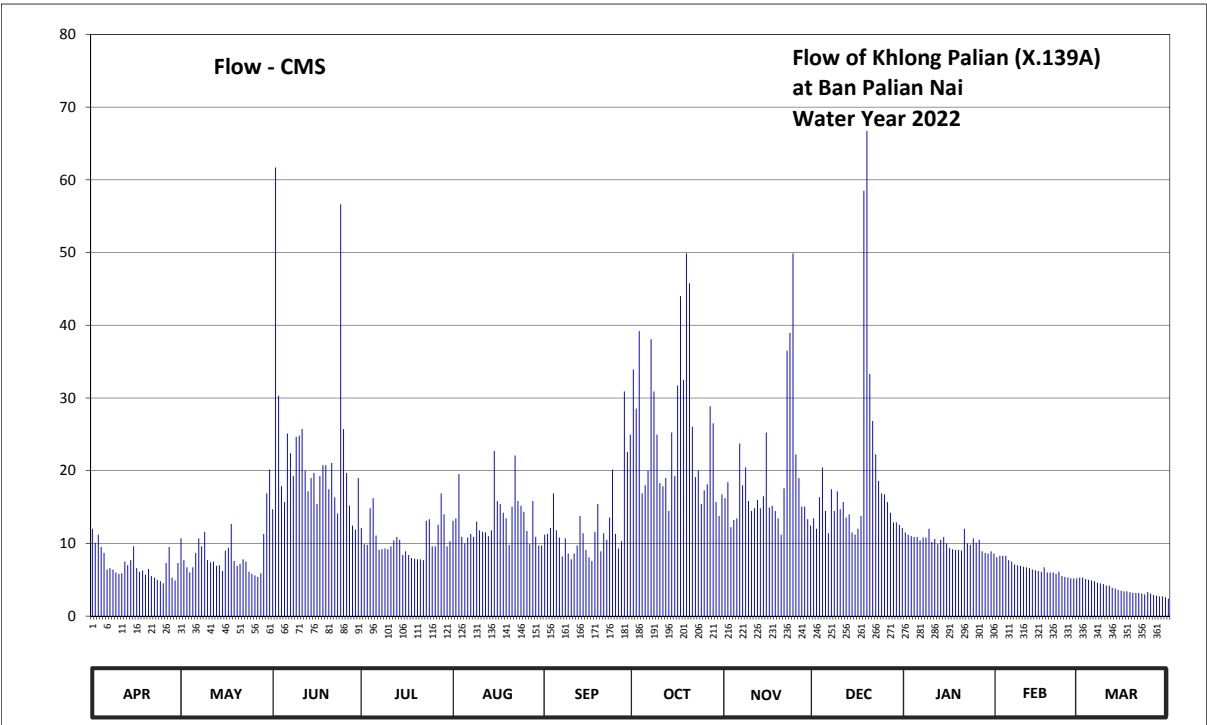
Lat 07 - 19 - 12 N Long 99 - 47 - 45 E

Location : on left bank at the bridge.

	Ban	Palian Nai	Amphoe	Palian	Changwat	Trang
Drainage Area	159	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the abutment of the bridge.				Elevation	+26.751 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2009 to date					
Rating Operation						
Period of Rating	2009 to date					
Rated by Float	-					
Rated by Current Meter	2009 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 25.260 m.(MSL.), records are channel flow only.					
General Description	Records very good. Stage-discharge relation defined by 23 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	20.91	20.78	21.15	20.92	21.01	20.83	22.37	21.27	21.04	20.86	20.52	20.24	
2	20.72	20.48	23.40	20.70	21.04	20.84	22.09	21.43	20.91	20.83	20.54	20.24	
3	20.83	20.38	22.19	20.69	21.51	20.92	22.63	20.93	21.28	20.81	20.54	20.22	
4	20.66	20.31	21.39	21.16	20.80	21.32	21.32	21.02	21.57	20.80	20.54	20.21	
5	20.58	20.38	21.23	21.27	20.71	20.89	21.40	21.04	21.13	20.80	20.48	20.20	
6	20.35	20.58	21.88	20.82	20.79	20.79	21.54	21.79	20.85	20.75	20.46	20.19	
7	20.37	20.78	21.70	20.62	20.84	20.53	22.58	21.40	21.36	20.79	20.42	20.17	
8	20.35	20.67	21.49	20.63	20.80	20.78	22.22	21.57	21.13	20.79	20.41	20.16	
9	20.31	20.87	21.85	20.64	21.00	20.57	21.87	21.24	21.34	20.91	20.40	20.15	
10	20.29	20.48	21.86	20.63	20.89	20.49	21.42	21.13	21.15	20.73	20.39	20.13	
11	20.30	20.45	21.92	20.67	20.87	20.57	21.39	21.16	21.23	20.77	20.38	20.13	
12	20.46	20.46	21.54	20.75	20.86	20.68	21.47	21.25	21.05	20.70	20.37	20.10	
13	20.41	20.40	21.34	20.80	20.81	21.07	21.13	21.16	21.09	20.76	20.35	20.09	
14	20.48	20.41	21.47	20.76	20.89	20.85	21.89	21.29	20.86	20.80	20.34	20.07	
15	20.67	20.33	21.52	20.55	21.72	20.62	21.49	21.89	20.83	20.71	20.33	20.06	
16	20.37	20.61	21.21	20.60	21.24	20.52	22.26	21.17	20.91	20.65	20.32	20.05	
17	20.32	20.65	21.49	20.55	21.21	20.47	22.84	21.19	21.07	20.63	20.38	20.05	
18	20.34	20.97	21.59	20.51	21.11	20.87	22.30	21.13	23.32	20.62	20.31	20.04	
19	20.28	20.47	21.59	20.50	21.04	21.21	23.06	21.04	23.52	20.62	20.31	20.03	
20	20.36	20.40	21.36	20.49	20.69	20.60	22.91	20.83	22.34	20.61	20.31	20.03	
21	20.26	20.43	21.61	20.49	21.18	20.85	21.94	21.37	21.99	20.91	20.29	20.03	
22	20.24	20.49	21.28	20.48	21.68	20.76	21.48	22.50	21.69	20.71	20.32	20.02	
23	20.21	20.46	21.10	21.01	21.24	21.05	21.54	22.62	21.44	20.69	20.26	20.01	
24	20.19	20.32	23.27	21.03	21.19	21.55	21.21	23.06	21.32	20.78	20.25	20.04	
25	20.16	20.29	21.92	20.67	21.12	20.84	21.35	21.69	21.31	20.72	20.24	20.02	
26	20.44	20.27	21.52	20.67	20.88	20.64	21.41	21.47	21.23	20.76	20.23	20.00	
27	20.66	20.25	21.19	20.96	20.70	20.74	22.11	21.18	21.11	20.60	20.23	19.99	
28	20.24	20.30	20.95	21.32	21.24	22.22	21.97	21.18	20.99	20.58	20.23	19.98	
29	20.20	20.84	20.90	21.09	20.80	21.71	21.23	21.03	20.99	20.57		19.98	
30	20.44	21.32	21.47	20.67	20.68	21.87	21.07	20.95	20.96	20.60		19.97	
31		21.55		20.74	20.68		21.31		20.92	20.57		19.95	
Mean	20.41	20.56	21.61	20.75	21.01	20.92	21.83	21.40	21.35	20.72	20.36	20.08	
Max	20.91	21.55	23.40	21.32	21.72	22.22	23.06	23.06	23.52	20.91	20.54	20.24	23.52
Min	20.16	20.25	20.90	20.48	20.68	20.47	21.07	20.83	20.83	20.57	20.23	19.95	19.95
Annual Max Momentary Gage Height	24.91		m. (MSL.) ,				at 18.00 Hours , on Dec 18, 2022						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	19.63	m. (MSL.)					
Left Bank Elevation		25.36	m. (MSL.) ,										
Right Bank Elevation		25.25	m. (MSL.) ,			Drainage Are	159	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	12.01	10.70	14.70	12.12	13.11	11.20	33.90	16.21	13.44	11.50	8.10	5.30		
2	10.10	7.70	61.70	9.90	13.44	11.30	28.53	18.42	12.01	11.20	8.30	5.30		
3	11.20	6.70	30.32	9.80	19.55	12.12	39.18	12.23	16.34	11.00	8.30	5.10		
4	9.50	6.00	17.86	14.82	10.90	16.88	16.88	13.22	20.45	10.90	8.30	5.00		
5	8.70	6.70	15.69	16.21	10.00	11.80	18.00	13.44	14.46	10.90	7.70	4.90		
6	6.40	8.70	25.10	11.10	10.80	10.80	20.00	23.75	11.40	10.40	7.50	4.80		
7	6.60	10.70	22.40	9.10	11.30	8.20	38.10	18.00	17.44	10.80	7.10	4.60		
8	6.40	9.60	19.26	9.20	10.90	10.70	30.90	20.45	14.46	10.80	7.00	4.50		
9	6.00	11.60	24.65	9.30	13.00	8.60	24.95	15.82	17.16	12.01	6.90	4.40		
10	5.80	7.70	24.80	9.20	11.80	7.80	18.28	14.46	14.70	10.20	6.80	4.20		
11	5.90	7.40	25.72	9.60	11.60	8.60	17.86	14.82	15.69	10.60	6.70	4.20		
12	7.50	7.50	20.00	10.40	11.50	9.70	18.98	15.95	13.55	9.90	6.60	3.90		
13	7.00	6.90	17.16	10.90	11.00	13.77	14.46	14.82	13.99	10.50	6.40	3.80		
14	7.70	7.00	18.98	10.50	11.80	11.40	25.25	16.47	11.50	10.90	6.30	3.60		
15	9.60	6.20	19.70	8.40	22.70	9.10	19.26	25.25	11.20	10.00	6.20	3.50		
16	6.60	9.00	15.43	8.90	15.82	8.10	31.70	14.94	12.01	9.40	6.10	3.40		
17	6.10	9.40	19.26	8.40	15.43	7.60	44.00	15.18	13.77	9.20	6.70	3.40		
18	6.30	12.67	20.75	8.00	14.22	11.60	32.50	14.46	58.50	9.10	6.00	3.30		
19	5.70	7.60	20.75	7.90	13.44	15.43	49.88	13.44	66.74	9.10	6.00	3.20		
20	6.50	6.90	17.44	7.80	9.80	8.90	45.77	11.20	33.30	9.00	6.00	3.20		
21	5.50	7.20	21.05	7.80	15.06	11.40	26.04	17.58	26.84	12.01	5.80	3.20		
22	5.30	7.80	16.34	7.70	22.10	10.50	19.12	36.50	22.25	10.00	6.10	3.10		
23	5.00	7.50	14.10	13.11	15.82	13.55	20.00	38.95	18.56	9.80	5.50	3.00		
24	4.80	6.10	56.65	13.33	15.18	20.15	15.43	49.88	16.88	10.70	5.40	3.30		
25	4.50	5.80	25.72	9.60	14.34	11.30	17.30	22.25	16.74	10.10	5.30	3.10		
26	7.30	5.60	19.70	9.60	11.70	9.30	18.14	18.98	15.69	10.50	5.20	2.90		
27	9.50	5.40	15.18	12.56	9.90	10.30	28.88	15.06	14.22	8.90	5.20	2.80		
28	5.30	5.90	12.45	16.88	15.82	30.90	26.52	15.06	12.89	8.70	5.20	2.70		
29	4.90	11.30	11.90	13.99	10.90	22.55	15.69	13.33	12.89	8.60		2.70		
30	7.30	16.88	18.98	9.60	9.70	24.95	13.77	12.45	12.56	8.90		2.60		
31		20.15		10.30	9.70		16.74		12.12	8.60		2.40		
Total	211.01	266.30	663.74	326.02	412.33	378.50	786.01	562.57	583.75	314.22	182.70	115.40	4802.55	CMSDAY
Mean	7.03	8.59	22.12	10.52	13.30	12.62	25.36	18.75	18.83	10.14	6.52	3.72	13.16	CMS
Max	12.01	20.15	61.70	16.88	22.70	30.90	49.88	49.88	66.74	12.01	8.30	5.30	66.74	CMS
Min	4.50	5.40	11.90	7.70	9.70	7.60	13.77	11.20	11.20	8.60	5.20	2.40	2.40	CMS
Runoff	18.23	23.01	57.35	28.17	35.63	32.70	67.91	48.61	50.44	27.15	15.79	9.97	414.94	MCM
Momentary Peak	285.50 CMS. at 24.91 m. (MSL.) at 18.00 Hours , on Dec 18, 2022													
Runoff Yield	82.75	Liters/Second/Square KM.			Momentary Peak Yield		1795.60	Liters/Second/Square KM.						

WATER YEAR : 2022**PENINSULA - WEST COAST****Khlong Lam Lon at Ban U-Dai Tai , Satun (X.148)**

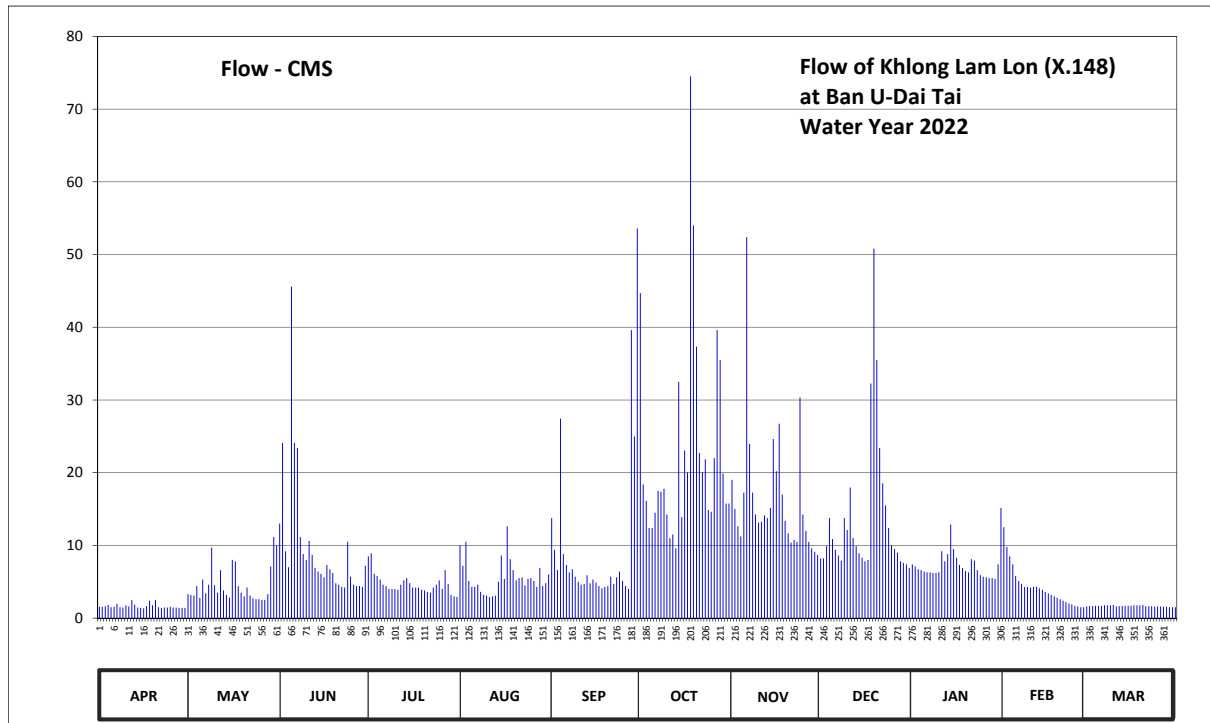
Lat 06 - 55 - 42 N Long 99 - 56 - 09 E

Location : on right bank at Ban U-Dai Tai.

	Ban	U-Dai Tai	Amphoe	Khuan Ka Long	Changwat	Satun
Drainage Area	157	sq.km.				
Type of Gage	Staff gage.					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Beside the teremeter fort.					Elevation +31.806 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic means of 5 readings					
Period of Available Gage Records	1984 to date					
Rating Operation						
Period of Rating	2021 to date					
Rated by Float	-					
Rated by Current Meter	2021 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 22 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	23.51	23.73	24.64	24.25	24.40	24.70	26.29	25.10	24.22	24.14	24.60	23.52	
2	23.51	23.72	25.42	24.29	24.12	24.34	25.06	24.80	24.22	24.11	24.38	23.53	
3	23.52	23.71	24.32	24.01	24.44	24.06	24.89	24.61	24.39	24.07	24.25	23.53	
4	23.56	23.84	24.10	23.98	23.91	25.61	24.59	24.50	24.70	24.06	24.14	23.54	
5	23.50	23.68	26.32	23.93	23.83	24.28	24.59	24.98	24.47	24.04	23.98	23.54	
6	23.51	23.93	25.42	23.86	23.83	24.13	24.76	26.51	24.34	24.03	23.91	23.54	
7	23.59	23.74	25.38	23.84	23.86	24.03	25.00	25.41	24.26	24.03	23.87	23.55	
8	23.50	23.86	24.49	23.80	23.76	24.07	24.99	24.98	24.19	24.02	23.83	23.55	
9	23.49	24.37	24.28	23.80	23.72	23.97	25.02	24.74	24.70	24.02	23.83	23.55	
10	23.55	23.85	24.20	23.80	23.71	23.90	24.74	24.65	24.57	24.03	23.82	23.56	
11	23.52	23.75	24.45	23.79	23.69	23.86	24.48	24.66	25.03	24.32	23.83	23.52	
12	23.65	24.06	24.27	23.86	23.70	23.87	24.52	24.73	24.48	24.18	23.83	23.53	
13	23.57	23.78	24.09	23.92	23.71	23.99	24.36	24.70	24.39	24.28	23.81	23.53	
14	23.49	23.72	24.04	23.95	23.90	23.88	25.85	24.81	24.29	24.63	23.79	23.54	
15	23.48	23.68	24.01	23.88	24.26	23.93	24.71	25.45	24.23	24.35	23.76	23.54	
16	23.47	24.20	23.96	23.82	23.94	23.89	25.36	25.18	24.18	24.23	23.74	23.54	
17	23.53	24.18	24.13	23.82	24.61	23.84	25.17	25.57	24.20	24.13	23.72	23.55	
18	23.64	23.84	24.07	23.82	24.21	23.81	27.02	24.96	25.84	24.09	23.70	23.55	
19	23.55	23.75	24.02	23.79	24.06	23.83	26.55	24.67	26.47	24.05	23.68	23.55	
20	23.65	23.70	23.88	23.78	23.92	23.84	26.04	24.53	25.97	24.03	23.66	23.56	
21	23.50	23.82	23.86	23.76	23.95	23.97	25.34	24.43	25.38	24.21	23.64	23.53	
22	23.48	23.71	23.83	23.75	23.96	23.87	25.17	24.46	25.07	24.19	23.62	23.53	
23	23.49	23.67	23.82	23.82	23.85	23.96	25.29	24.44	24.84	24.06	23.60	23.53	
24	23.49	23.66	24.44	23.86	23.94	24.04	24.79	25.76	24.59	23.99	23.58	23.52	
25	23.51	23.66	23.97	23.92	23.95	23.91	24.77	24.74	24.40	23.97	23.54	23.52	
26	23.49	23.65	23.86	23.80	23.91	23.84	25.30	24.56	24.35	23.96	23.52	23.52	
27	23.49	23.65	23.84	24.06	23.83	23.80	26.12	24.44	24.30	23.95	23.50	23.51	
28	23.48	23.73	23.84	23.87	24.09	26.12	25.97	24.36	24.18	23.95	23.50	23.51	
29	23.48	24.11	23.83	23.72	23.84	25.47	25.16	24.31	24.16	23.94		23.50	
30	23.48	24.49	24.12	23.70	23.88	26.54	24.86	24.27	24.14	24.14		23.50	
31		24.40		23.69	24.00		24.86		24.09	24.81		23.50	
Mean	23.52	23.86	24.30	23.87	23.96	24.24	25.21	24.84	24.60	24.13	23.81	23.53	
Max	23.65	24.49	26.32	24.29	24.61	26.54	27.02	26.51	26.47	24.81	24.60	23.56	27.02
Min	23.47	23.65	23.82	23.69	23.69	23.80	24.36	24.27	24.09	23.94	23.50	23.50	23.47
Annual Max Momentary Gage Height	27.69		m. (MSL.) ,				at 18.00 Hours , on Oct 18, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	22.53	m. (MSL.)					
Left Bank Elevation		29.65	m. (MSL.) ,										
Right Bank Elevation		32.78	m. (MSL.) ,			Drainage Are	157	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.55	3.30	13.00	8.50	10.00	13.75	44.70	19.00	8.20	7.40	12.50	1.60	
2	1.55	3.20	24.10	8.90	7.20	9.40	18.40	15.00	8.20	7.10	9.80	1.65	
3	1.60	3.10	9.20	6.10	10.50	6.60	16.13	12.63	9.90	6.70	8.50	1.65	
4	1.80	4.40	7.00	5.80	5.10	27.43	12.38	11.25	13.75	6.60	7.40	1.70	
5	1.50	2.80	45.60	5.30	4.30	8.80	12.38	17.25	10.88	6.40	5.80	1.70	
6	1.55	5.30	24.10	4.60	4.30	7.30	14.50	52.40	9.40	6.30	5.10	1.70	
7	1.95	3.40	23.40	4.40	4.60	6.30	17.50	23.93	8.60	6.30	4.70	1.75	
8	1.50	4.60	11.13	4.00	3.60	6.70	17.38	17.25	7.90	6.20	4.30	1.75	
9	1.45	9.70	8.80	4.00	3.20	5.70	17.80	14.25	13.75	6.20	4.30	1.75	
10	1.75	4.50	8.00	4.00	3.10	5.00	14.25	13.13	12.13	6.30	4.20	1.80	
11	1.60	3.50	10.63	3.90	2.90	4.60	11.00	13.25	17.95	9.20	4.30	1.60	
12	2.50	6.60	8.70	4.60	3.00	4.70	11.50	14.13	11.00	7.80	4.30	1.65	
13	1.85	3.80	6.90	5.20	3.10	5.90	9.60	13.75	9.90	8.80	4.10	1.65	
14	1.45	3.20	6.40	5.50	5.00	4.80	32.50	15.13	8.90	12.88	3.90	1.70	
15	1.40	2.80	6.10	4.80	8.60	5.30	13.88	24.63	8.30	9.50	3.60	1.70	
16	1.35	8.00	5.60	4.20	5.40	4.90	23.05	20.20	7.80	8.30	3.40	1.70	
17	1.65	7.80	7.30	4.20	12.63	4.40	20.05	26.73	8.00	7.30	3.20	1.75	
18	2.40	4.40	6.70	4.20	8.10	4.10	74.50	17.00	32.25	6.90	3.00	1.75	
19	1.75	3.50	6.20	3.90	6.60	4.30	54.00	13.38	50.80	6.50	2.80	1.75	
20	2.50	3.00	4.80	3.80	5.20	4.40	37.35	11.63	35.50	6.30	2.60	1.80	
21	1.50	4.20	4.60	3.60	5.50	5.70	22.70	10.38	23.40	8.10	2.40	1.65	
22	1.40	3.10	4.30	3.50	5.60	4.70	20.05	10.75	18.55	7.90	2.20	1.65	
23	1.45	2.70	4.20	4.20	4.50	5.60	21.85	10.50	15.50	6.60	2.00	1.65	
24	1.45	2.60	10.50	4.60	5.40	6.40	14.88	30.35	12.38	5.90	1.90	1.60	
25	1.55	2.60	5.70	5.20	5.50	5.10	14.63	14.25	10.00	5.70	1.70	1.60	
26	1.45	2.50	4.60	4.00	5.10	4.40	22.00	12.00	9.50	5.60	1.60	1.60	
27	1.45	2.50	4.40	6.60	4.30	4.00	39.60	10.50	9.00	5.50	1.50	1.55	
28	1.40	3.30	4.40	4.70	6.90	39.60	35.50	9.60	7.80	5.50	1.50	1.55	
29	1.40	7.10	4.30	3.20	4.40	24.98	19.90	9.10	7.60	5.40		1.50	
30	1.40	11.13	7.20	3.00	4.80	53.60	15.75	8.70	7.40	7.40		1.50	
31		10.00		2.90	6.00		15.75		6.90	15.13		1.50	
Total	49.10	142.63	297.86	145.40	174.43	298.46	715.46	492.05	421.14	227.71	116.60	51.45	3132.29 CMSDAY
Mean	1.64	4.60	9.93	4.69	5.63	9.95	23.08	16.40	13.59	7.35	4.16	1.66	8.58 CMS
Max	2.50	11.13	45.60	8.90	12.63	53.60	74.50	52.40	50.80	15.13	12.50	1.80	74.50 CMS
Min	1.35	2.50	4.20	2.90	2.90	4.00	9.60	8.70	6.90	5.40	1.50	1.50	1.35 CMS
Runoff	4.24	12.32	25.74	12.56	15.07	25.79	61.82	42.51	36.39	19.67	10.07	4.45	270.63 MCM
Momentary Peak	108.95 CMS. at 27.69 m. (MSL.) at 18.00 Hours, on Oct 18, 2022												
Runoff Yield	54.66	Liters/Second/Square KM.			Momentary Peak Yield			693.95 Liters/Second/Square KM.					

WATER YEAR : 2022**PENINSULA - WEST COAST****Khlong Langu at Ban Wang Pa Khian , Satun (X.150)**

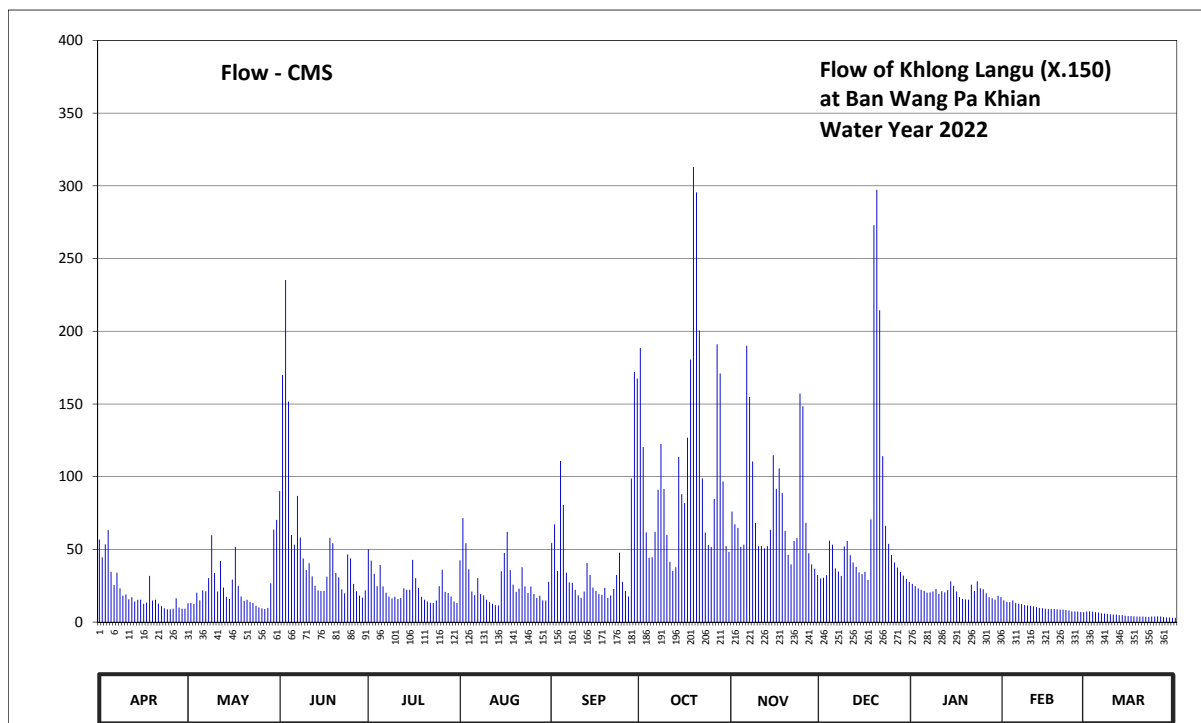
Lat 06 - 56 - 27 N Long 99 - 52 - 22 E

Location : on right bank at Ban Wang Pa Khian.

	Ban	Wang Pa Khian	Amphoe	Langu	Changwat	Satun
Drainage Area	517	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On the footpath on the left side above the water.				Elevation	+16.153 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1984 to date					
Rating Operation						
Period of Rating	1984 to date					
Rated by Float	-					
Rated by Current Meter	1984 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 12.810 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 23 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.67	5.85	8.87	7.40	7.10	7.58	11.49	8.40	6.60	6.45	5.95	5.56	
2	7.18	5.86	11.12	7.09	8.25	8.09	9.88	8.09	6.62	6.39	5.90	5.57	
3	7.54	5.82	12.23	6.73	7.57	6.81	7.87	7.99	6.69	6.33	5.88	5.56	
4	7.93	6.21	10.69	6.39	6.85	9.56	7.17	7.47	7.64	6.29	5.95	5.54	
5	6.78	5.95	7.80	6.97	6.24	8.55	7.18	7.53	7.53	6.26	5.86	5.53	
6	6.42	6.27	7.53	6.38	6.13	6.76	7.88	11.52	6.88	6.21	5.83	5.50	
7	6.76	6.25	8.76	6.21	6.61	6.49	8.90	10.77	6.79	6.22	5.82	5.49	
8	6.33	6.61	7.73	6.08	6.16	6.48	9.95	9.55	6.67	6.24	5.79	5.48	
9	6.11	7.79	7.15	6.01	6.12	6.29	8.92	8.13	7.48	6.31	5.77	5.47	
10	6.15	6.75	6.83	6.07	5.97	6.12	7.80	7.49	7.63	6.17	5.76	5.46	
11	5.98	6.24	7.02	5.99	5.89	6.03	7.06	7.49	7.24	6.25	5.74	5.46	
12	6.06	7.08	6.66	6.03	5.83	6.24	6.81	7.43	7.04	6.22	5.71	5.44	
13	5.91	6.35	6.40	6.33	5.78	7.03	6.91	7.49	6.92	6.28	5.69	5.44	
14	5.97	6.07	6.27	6.29	5.77	6.70	9.65	7.94	6.77	6.52	5.68	5.42	
15	5.97	6.00	6.26	6.29	6.80	6.35	8.80	9.69	6.72	6.40	5.66	5.41	
16	5.83	6.57	6.26	7.11	7.30	6.26	8.60	8.92	6.78	6.24	5.65	5.41	
17	5.87	7.47	6.65	6.61	7.88	6.16	10.07	9.39	6.56	6.06	5.65	5.40	
18	6.67	6.40	7.72	6.34	6.83	6.14	11.33	8.83	8.22	6.00	5.65	5.39	
19	5.94	6.08	7.57	6.07	6.43	6.34	13.14	7.91	12.70	5.98	5.64	5.39	
20	5.97	5.93	6.75	5.97	6.23	6.03	12.95	7.25	12.97	5.97	5.63	5.39	
21	5.84	5.97	6.63	5.91	6.32	6.12	11.71	6.99	11.94	6.43	5.63	5.38	
22	5.75	5.89	6.30	5.86	6.91	6.31	9.16	7.63	9.67	6.26	5.62	5.38	
23	5.68	5.86	6.19	5.86	6.38	6.70	7.86	7.71	8.05	6.52	5.60	5.39	
24	5.64	5.76	7.26	5.94	6.20	7.31	7.52	10.83	7.55	6.33	5.57	5.39	
25	5.64	5.70	7.15	6.39	6.38	6.51	7.47	10.61	7.25	6.30	5.57	5.40	
26	5.66	5.67	6.45	6.84	6.17	6.26	8.69	8.13	7.04	6.19	5.56	5.39	
27	6.02	5.65	6.25	6.23	6.03	6.08	11.54	7.29	6.90	6.06	5.55	5.37	
28	5.70	5.69	6.11	6.20	6.11	9.16	11.14	6.99	6.78	6.02	5.54	5.36	
29	5.66	6.47	6.04	6.08	5.95	11.16	9.09	6.87	6.68	5.97		5.36	
30	5.66	7.95	6.27	5.91	5.94	11.07	7.49	6.70	6.59	6.11		5.35	
31		8.21		5.86	6.51		7.33		6.51	6.06		5.35	
Mean	6.21	6.33	7.36	6.30	6.47	7.09	9.08	8.30	7.66	6.23	5.71	5.43	
Max	7.93	8.21	12.23	7.40	8.25	11.16	13.14	11.52	12.97	6.52	5.95	5.57	13.14
Min	5.64	5.65	6.04	5.86	5.77	6.03	6.81	6.70	6.51	5.97	5.54	5.35	5.35
Annual Max Momentary Gage Height	13.24		m. (MSL.) ,				at 21.00 Hours , on Oct 19, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	4.74	m. (MSL.)					
Left Bank Elevation		12.80	m. (MSL.) ,										
Right Bank Elevation		12.97	m. (MSL.) ,			Drainage Are	517	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	56.75	13.00	90.10	50.00	42.50	54.50	188.50	76.00	30.00	26.25	15.00	7.20		
2	44.50	13.20	170.00	42.25	71.50	67.25	120.40	67.25	30.50	24.75	14.00	7.40		
3	53.50	12.40	235.25	33.25	54.25	35.25	61.75	64.75	32.25	23.25	13.60	7.20		
4	63.25	20.25	151.60	24.75	36.25	110.80	44.25	51.75	56.00	22.25	15.00	6.80		
5	34.50	15.00	60.00	39.25	21.00	80.50	44.50	53.25	53.25	21.50	13.20	6.60		
6	25.50	21.75	53.25	24.50	18.60	34.00	62.00	190.00	37.00	20.25	12.60	6.00		
7	34.00	21.25	86.80	20.25	30.25	27.25	91.00	154.80	34.75	20.50	12.40	5.80		
8	23.25	30.25	58.25	17.60	19.20	27.00	122.50	110.50	31.75	21.00	11.80	5.60		
9	18.20	59.75	43.75	16.20	18.40	22.25	91.60	68.25	52.00	22.75	11.40	5.40		
10	19.00	33.75	35.75	17.40	15.40	18.40	60.00	52.25	55.75	19.40	11.20	5.20		
11	15.60	21.00	40.50	15.80	13.80	16.60	41.50	52.25	46.00	21.25	10.80	5.20		
12	17.20	42.00	31.50	16.60	12.60	21.00	35.25	50.75	41.00	20.50	10.20	4.80		
13	14.20	23.75	25.00	23.25	11.60	40.75	37.75	52.25	38.00	22.00	9.80	4.80		
14	15.40	17.40	21.75	22.25	11.40	32.50	113.50	63.50	34.25	28.00	9.60	4.40		
15	15.40	16.00	21.50	22.25	35.00	23.75	88.00	114.70	33.00	25.00	9.20	4.20		
16	12.60	29.25	21.50	42.75	47.50	21.50	82.00	91.60	34.50	21.00	9.00	4.20		
17	13.40	51.75	31.25	30.25	62.00	19.20	126.80	105.70	29.00	17.20	9.00	4.00		
18	31.75	25.00	58.00	23.50	35.75	18.80	180.50	88.90	70.60	16.00	9.00	3.80		
19	14.80	17.60	54.25	17.40	25.75	23.50	313.00	62.75	273.00	15.60	8.80	3.80		
20	15.40	14.60	33.75	15.40	20.75	16.60	295.50	46.25	297.30	15.40	8.60	3.80		
21	12.80	15.40	30.75	14.20	23.00	18.40	200.60	39.75	214.40	25.75	8.60	3.60		
22	11.00	13.80	22.50	13.20	37.75	22.75	98.80	55.75	114.10	21.50	8.40	3.60		
23	9.60	13.20	19.80	13.20	24.50	32.50	61.50	57.75	66.25	28.00	8.00	3.80		
24	8.80	11.20	46.50	14.80	20.00	47.75	53.00	157.20	53.75	23.25	7.40	3.80		
25	8.80	10.00	43.75	24.75	24.50	27.75	51.75	148.40	46.25	22.50	7.40	4.00		
26	9.20	9.40	26.25	36.00	19.40	21.50	84.70	68.25	41.00	19.80	7.20	3.80		
27	16.40	9.00	21.25	20.75	16.60	17.60	191.00	47.25	37.50	17.20	7.00	3.40		
28	10.00	9.80	18.20	20.00	18.20	98.80	171.00	39.75	34.50	16.40	6.80	3.20		
29	9.20	26.75	16.80	17.60	15.00	172.00	96.70	36.75	32.00	15.40		3.20		
30	9.20	63.75	21.75	14.20	14.80	167.50	52.25	32.50	29.75	18.20		3.00		
31		70.30		13.20	27.75		48.25		27.75	17.20		3.00		
Total	643.20	751.55	1591.30	716.80	845.00	1337.95	3309.85	2300.80	2007.15	649.05	285.00	144.60	14582.25	CMSDAY
Mean	21.44	24.24	53.04	23.12	27.26	44.60	106.77	76.69	64.75	20.94	10.18	4.66	39.95	CMS
Max	63.25	70.30	235.25	50.00	71.50	172.00	313.00	190.00	297.30	28.00	15.00	7.40	313.00	CMS
Min	8.80	9.00	16.80	13.20	11.40	16.60	35.25	32.50	27.75	15.40	6.80	3.00	3.00	CMS
Runoff	55.57	64.93	137.49	61.93	73.01	115.60	285.97	198.79	173.42	56.08	24.62	12.49	1259.91	MCM
Momentary Peak	CMS. at 13.24 m. (MSL.) at 21.00 Hours , on Dec 19, 2022													
Runoff Yield	77.28 Liters/Second/Square KM.				Momentary Peak Yield 624.76				Liters/Second/Square KM.					

WATER YEAR : 2022**PENINSULA - WEST COAST****Khlong Ta Kuaw Pa at Ban Talat Kao , Phangnga (X.186)**

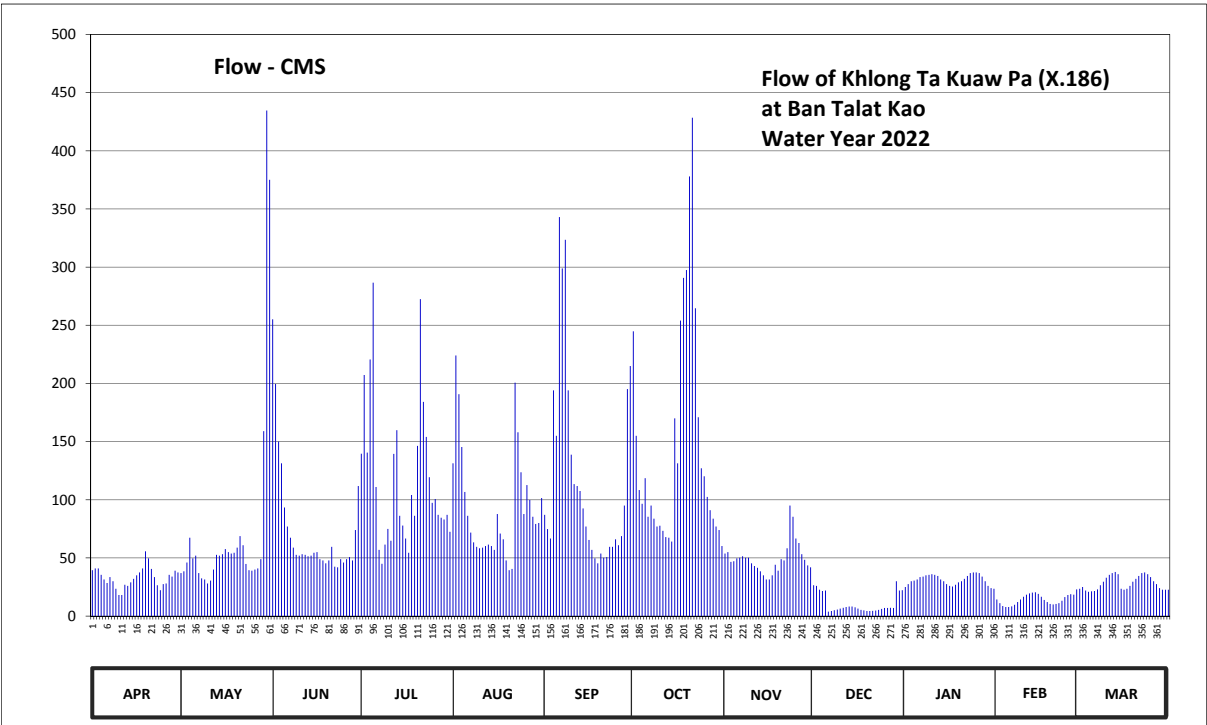
Lat 08 - 49 - 46 N Long 98 - 22 - 09 E

Location : on left bank at Ban Talat Kao.

	Ban	Talat Kao	Amphoe	Ta Kuaw Pa	Changwat	Phangnga
Drainage Area	647	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 10 meters from the top staff gage.				Elevation	+4.980 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1996 to date					
Rating Operation						
Period of Rating	2003 to date					
Rated by Float	-					
Rated by Current Meter	2003 to date					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 23 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	-0.67	-0.72	1.74	0.67	0.58	0.05	1.65	-0.42	-0.93	-0.96	-1.25	-0.99	
2	-0.64	-0.69	1.25	1.32	1.47	-0.11	0.83	-0.40	-0.94	-0.91	-1.34	-0.96	
3	-0.64	-0.55	0.78	0.68	1.17	-0.22	0.31	-0.54	-1.01	-0.86	-1.41	-1.03	
4	-0.75	-0.21	0.58	1.44	0.73	1.20	0.17	-0.53	-1.04	-0.85	-1.44	-1.06	
5	-0.83	-0.49	0.13	2.54	0.29	0.83	0.43	-0.49	-1.03	-0.83	-1.44	-1.05	
6	-0.89	-0.45	-0.08	1.32	0.04	2.40	0.03	-0.48	-1.02	-0.79	-1.42	-1.04	
7	-0.79	-0.72	-0.21	0.63	-0.15	2.08	0.15	-0.46	-0.96	-0.78	-1.38	-1.00	
8	-0.86	-0.81	-0.34	0.40	-0.27	2.26	0.01	-0.48	-0.89	-0.76	-1.31	-0.93	
9	-0.99	-0.83	-0.44	0.70	-0.33	1.20	-0.08	-0.48	-0.84	-0.75	-1.25	-0.87	
10	-1.14	-0.90	-0.45	0.90	-0.35	0.66	-0.07	-0.56	-0.78	-0.74	-1.18	-0.80	
11	-1.14	-0.85	-0.43	0.75	-0.34	0.37	-0.13	-0.60	-0.74	-0.75	-1.13	-0.75	
12	-0.92	-0.66	-0.44	1.57	-0.32	0.35	-0.20	-0.63	-0.71	-0.77	-1.10	-0.72	
13	-0.94	-0.44	-0.46	1.74	-0.30	0.30	-0.21	-0.69	-0.69	-0.83	-1.08	-0.70	
14	-0.88	-0.45	-0.45	1.05	-0.32	0.12	-0.26	-0.76	-0.69	-0.86	-1.07	-0.74	
15	-0.82	-0.43	-0.41	0.94	-0.37	-0.08	0.98	-0.83	-0.72	-0.91	-1.11	-0.99	
16	-0.76	-0.36	-0.40	0.78	0.06	-0.24	0.58	-0.83	-0.78	-0.94	-1.18	-1.01	
17	-0.71	-0.40	-0.50	0.59	-0.16	-0.37	1.73	-0.76	-0.86	-0.95	-1.26	-0.99	
18	-0.64	-0.42	-0.52	0.26	-0.23	-0.49	2.02	-0.58	-0.91	-0.92	-1.31	-0.94	
19	-0.39	-0.41	-0.56	0.04	-0.52	-0.56	2.07	-0.68	-0.96	-0.88	-1.36	-0.87	
20	-0.49	-0.34	-0.52	0.74	-0.67	-0.42	2.64	-0.50	-0.96	-0.86	-1.37	-0.82	
21	-0.65	-0.19	-0.33	1.88	-0.65	-0.48	2.97	-0.52	-0.95	-0.82	-1.36	-0.77	
22	-0.79	-0.31	-0.61	1.11	1.26	-0.47	1.82	-0.35	-0.92	-0.77	-1.34	-0.72	
23	-0.93	-0.57	-0.62	0.82	0.86	-0.33	0.99	0.15	-0.87	-0.72	-1.28	-0.71	
24	-1.02	-0.67	-0.50	0.44	0.49	-0.33	0.53	0.03	-0.79	-0.71	-1.19	-0.74	
25	-0.91	-0.68	-0.55	0.18	0.06	-0.23	0.45	-0.22	-0.75	-0.71	-1.14	-0.79	
26	-0.90	-0.66	-0.50	0.22	0.36	-0.31	0.24	-0.28	-0.75	-0.72	-1.12	-0.86	
27	-0.75	-0.64	-0.47	0.05	0.21	-0.19	0.10	-0.43	-0.74	-0.78	-1.13	-0.91	
28	-0.78	-0.50	-0.52	0.02	0.03	0.15	0.01	-0.51	-0.75	-0.86	-1.00	-0.98	
29	-0.68	0.87	-0.12	0.00	-0.05	1.21	-0.08	-0.59	-0.86	-0.94		-1.01	
30	-0.71	3.01	0.35	0.05	-0.04	1.39	-0.12	-0.62	-1.03	-0.98		-1.01	
31		2.62		-0.14	0.23		-0.32		-1.02	-0.99		-1.01	
Mean	-0.80	-0.29	-0.19	0.76	0.09	0.32	0.62	-0.50	-0.87	-0.84	-1.25	-0.90	
Max	-0.39	3.01	1.74	2.54	1.47	2.40	2.97	0.15	-0.69	-0.71	-1.00	-0.70	3.01
Min	-1.14	-0.90	-0.62	-0.14	-0.67	-0.56	-0.32	-0.83	-1.04	-0.99	-1.44	-1.06	-1.44
Annual Max Momentary Gage Height	3.22		m. (MSL.) ,			at 05.00 Hours , on Oct 21, 2022							
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	-5.96	m. (MSL.)					
Left Bank Elevation		4.40	m. (MSL.) ,										
Right Bank Elevation		3.33	m. (MSL.) ,			Drainage Are	647	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	39.50	37.00	255.10	139.65	131.30	87.00	244.75	53.80	26.50	25.00	14.25	23.50		
2	41.00	38.50	199.50	207.20	224.05	74.75	155.00	55.00	26.00	27.50	11.10	25.00		
3	41.00	46.00	150.10	140.60	190.70	66.70	108.35	46.60	22.65	30.00	8.70	21.95		
4	35.50	67.35	131.30	220.60	145.35	194.00	96.60	47.20	21.60	30.50	7.80	20.90		
5	31.50	49.60	93.40	286.60	106.65	155.00	118.55	49.60	21.95	31.50	7.80	21.25		
6	28.50	52.00	77.00	111.00	86.20	343.00	85.40	50.20	3.80	33.50	8.40	21.60		
7	33.50	37.00	67.35	56.95	71.75	298.80	95.00	51.40	4.40	34.00	9.70	23.00		
8	30.00	32.50	58.90	45.00	63.45	323.40	83.80	50.20	5.10	35.00	12.15	26.50		
9	23.50	31.50	52.60	61.50	59.55	194.00	77.00	50.20	5.60	35.50	14.25	29.50		
10	18.10	28.00	52.00	75.00	58.25	138.70	77.75	45.40	6.40	36.00	16.70	33.00		
11	18.10	30.50	53.20	64.75	58.90	113.45	73.25	43.00	7.20	35.50	18.45	35.50		
12	27.00	40.00	52.60	139.40	60.20	111.75	68.00	41.50	7.80	34.50	19.50	37.00		
13	26.00	52.60	51.40	159.80	61.50	107.50	67.35	38.50	8.20	31.50	20.20	38.00		
14	29.00	52.00	52.00	86.25	60.20	92.60	64.10	35.00	8.20	30.00	20.55	36.00		
15	32.00	53.20	54.40	77.80	56.95	77.00	170.00	31.50	7.60	27.50	19.15	23.50		
16	35.00	57.60	55.00	66.70	87.80	65.40	131.30	31.50	6.40	26.00	16.70	22.65		
17	37.50	55.00	49.00	54.50	71.00	56.95	253.95	35.00	5.40	25.50	13.90	23.50		
18	41.00	53.80	47.80	104.10	66.05	49.60	290.70	44.20	4.90	27.00	12.15	26.00		
19	55.65	54.40	45.40	86.20	47.80	45.40	297.45	39.00	4.40	29.00	10.40	29.50		
20	49.60	58.90	47.80	146.30	39.50	53.80	378.00	49.00	4.40	30.00	10.05	32.00		
21	40.50	68.75	59.55	272.40	40.50	50.20	428.35	47.80	4.50	32.00	10.40	34.50		
22	33.50	60.85	42.50	184.10	200.60	50.80	264.60	58.25	4.80	34.50	11.10	37.00		
23	26.50	44.80	42.00	154.00	158.00	59.55	171.00	95.00	5.30	37.00	13.20	37.50		
24	22.30	39.50	49.00	119.40	123.65	59.55	127.05	85.40	6.20	37.50	16.35	36.00		
25	27.50	39.00	46.00	97.40	87.80	66.05	120.25	66.70	7.00	37.50	18.10	33.50		
26	28.00	40.00	49.00	100.70	112.60	60.85	102.40	62.80	7.00	37.00	18.80	30.00		
27	35.50	41.00	50.80	87.00	99.85	68.75	91.00	53.20	7.20	34.00	18.45	27.50		
28	34.00	49.00	47.80	84.60	85.40	95.00	83.80	48.40	7.00	30.00	23.00	24.00		
29	39.00	159.00	74.00	83.00	79.25	195.10	77.00	43.60	30.00	26.00		22.65		
30	37.50	434.60	111.75	87.00	80.00	214.90	74.00	42.00	21.95	24.00		22.65		
31		375.00		72.50	101.55		60.20		22.30	23.50		22.65		
Total	997.25	2278.95	2218.25	3672.00	2916.35	3569.55	4535.95	1490.95	331.75	968.00	401.30	877.80	24258.10	CMSDAY
Mean	33.24	73.51	73.94	118.45	94.08	118.99	146.32	49.70	10.70	31.23	14.33	28.32	66.46	CMS
Max	55.65	434.60	255.10	286.60	224.05	343.00	428.35	95.00	30.00	37.50	23.00	38.00	434.60	CMS
Min	18.10	28.00	42.00	45.00	39.50	45.40	60.20	31.50	3.80	23.50	7.80	20.90	3.80	CMS
Runoff	86.16	196.90	191.66	317.26	251.97	308.41	391.91	128.82	28.66	83.64	34.67	75.84	2095.90	MCM
Momentary Peak	468.50 CMS. at 3.22 m. (MSL.) at 05.00 Hours , on Oct 21, 2022													
Runoff Yield	102.72	Liters/Second/Square KM.			Momentary Peak Yield			724.11	Liters/Second/Square KM.					

WATER YEAR : 2022**PENINSULA - WEST COAST****Khlong Rommanee at Ban Rommanee , Phangnga (X.188A)**

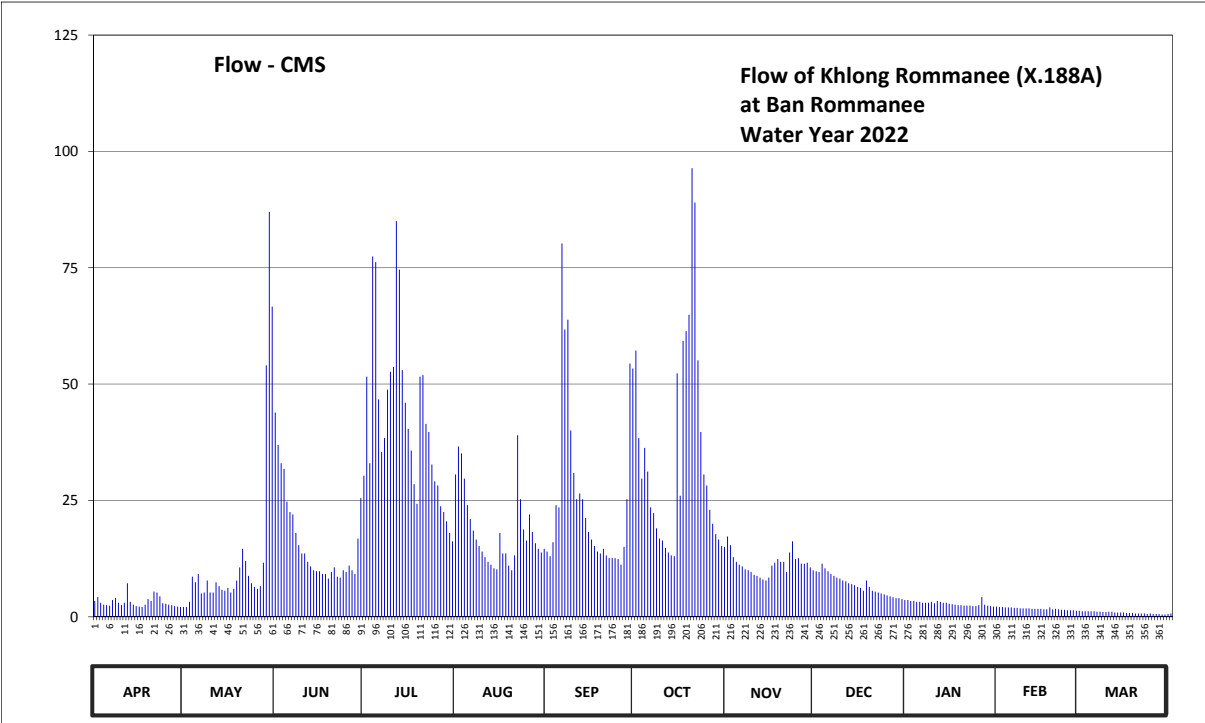
Lat 08 - 50 - 00 N Long 98 - 27 - 31 E

Location : on left bank at the bridge.

	Ban	Rommanee	Amphoe	Kapong	Changwat	Phangnga
Drainge Area	194	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	on righth bank at the bridge of downstream.				Elevation	+18.740 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings					
Period of Available Gage Records	2009 to date					
Rating Operation						
Period of Rating	2009 to date					
Rated by Float	-					
Rated by Current Meter	2009 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 23 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	13.12	13.01	14.74	14.31	14.32	13.65	15.12	13.81	13.44	13.13	13.01	12.92	
2	13.16	13.01	14.53	14.96	14.52	13.60	14.58	13.72	13.43	13.12	13.01	12.92	
3	13.10	13.11	14.40	14.40	14.47	13.75	14.29	13.59	13.52	13.12	13.00	12.92	
4	13.06	13.38	14.36	15.66	14.29	14.08	14.51	13.54	13.47	13.11	13.00	12.92	
5	13.05	13.32	14.11	15.63	14.08	14.06	14.34	13.51	13.44	13.11	13.00	12.92	
6	13.04	13.41	14.02	14.82	13.96	15.73	14.06	13.49	13.41	13.10	12.99	12.91	
7	13.13	13.20	14.00	14.48	13.86	15.25	14.01	13.46	13.39	13.10	12.99	12.91	
8	13.15	13.21	13.84	14.58	13.78	15.31	13.88	13.45	13.37	13.10	12.98	12.90	
9	13.10	13.34	13.72	14.88	13.71	14.63	13.79	13.43	13.36	13.11	12.98	12.90	
10	13.05	13.21	13.63	14.99	13.65	14.33	13.77	13.40	13.34	13.09	12.98	12.91	
11	13.10	13.21	13.63	15.02	13.59	14.13	13.69	13.39	13.33	13.12	12.98	12.91	
12	13.31	13.32	13.54	15.85	13.54	14.18	13.64	13.37	13.31	13.11	12.97	12.89	
13	13.11	13.28	13.49	15.59	13.51	14.13	13.61	13.35	13.30	13.10	12.97	12.89	
14	13.06	13.24	13.45	15.00	13.47	13.97	13.60	13.34	13.29	13.10	12.97	12.89	
15	13.03	13.23	13.44	14.80	13.46	13.85	14.98	13.37	13.27	13.08	12.97	12.89	
16	13.02	13.26	13.44	14.64	13.84	13.78	14.16	13.50	13.26	13.07	12.96	12.88	
17	13.01	13.21	13.41	14.49	13.63	13.71	15.18	13.53	13.23	13.06	12.96	12.88	
18	13.06	13.25	13.41	14.25	13.63	13.65	15.24	13.57	13.34	13.05	13.00	12.88	
19	13.14	13.34	13.36	14.09	13.50	13.63	15.34	13.54	13.27	13.05	12.96	12.87	
20	13.12	13.48	13.43	14.96	13.45	13.68	16.12	13.54	13.23	13.04	12.97	12.87	
21	13.22	13.68	13.48	14.97	13.61	13.61	15.95	13.43	13.22	13.04	12.96	12.87	
22	13.21	13.55	13.38	14.67	14.60	13.58	15.06	13.64	13.21	13.04	12.95	12.87	
23	13.17	13.39	13.37	14.62	14.13	13.58	14.62	13.76	13.20	13.03	12.95	12.86	
24	13.09	13.31	13.45	14.39	13.87	13.58	14.32	13.57	13.19	13.03	12.94	12.87	
25	13.08	13.27	13.43	14.27	13.77	13.57	14.24	13.58	13.18	13.05	12.94	12.86	
26	13.06	13.25	13.50	14.24	14.00	13.51	14.04	13.52	13.17	13.16	12.94	12.86	
27	13.05	13.28	13.45	14.07	13.85	13.70	13.92	13.52	13.16	13.06	12.93	12.86	
28	13.03	13.53	13.41	14.02	13.74	14.13	13.83	13.53	13.15	13.04	12.93	12.85	
29	13.02	15.03	13.79	13.94	13.68	15.04	13.78	13.48	13.15	13.03		12.85	
30	13.01	15.90	14.14	13.84	13.64	15.01	13.71	13.45	13.14	13.02		12.86	
31		15.39		13.76	13.68		13.70		13.13	13.02		12.87	
Mean	13.10	13.50	13.71	14.65	13.83	14.08	14.36	13.51	13.29	13.08	12.97	12.89	
Max	13.31	15.90	14.74	15.85	14.60	15.73	16.12	13.81	13.52	13.16	13.01	12.92	16.12
Min	13.01	13.01	13.36	13.76	13.45	13.51	13.60	13.34	13.13	13.02	12.93	12.85	12.85
Annual Max Momentary Gage Height	17.03		m. (MSL.) ,			at 20.00 Hours , on Jul 4, 2022							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	11.37	m. (MSL.)					
Left Bank Elevation	17.46		m. (MSL.) ,										
Right Bank Elevation	17.72		m. (MSL.) ,			Drainage Are	194	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.40	2.10	43.90	30.30	30.60	14.00	57.20	17.25	9.80	3.60	2.10	1.20	
2	4.20	2.10	36.90	51.60	36.60	13.00	38.40	15.40	9.60	3.40	2.10	1.20	
3	3.00	3.20	33.00	33.00	35.10	16.00	29.70	12.80	11.40	3.40	2.00	1.20	
4	2.60	8.60	31.80	77.40	29.70	24.00	36.30	11.80	10.40	3.20	2.00	1.20	
5	2.50	7.40	24.75	76.20	24.00	23.50	31.20	11.20	9.80	3.20	2.00	1.20	
6	2.40	9.20	22.50	46.70	21.00	80.20	23.50	10.80	9.20	3.00	1.90	1.10	
7	3.60	5.00	22.00	35.40	18.50	61.75	22.25	10.20	8.80	3.00	1.90	1.10	
8	4.00	5.20	18.00	38.40	16.60	63.85	19.00	10.00	8.40	3.00	1.80	1.00	
9	3.00	7.80	15.40	48.80	15.20	40.05	16.80	9.60	8.20	3.20	1.80	1.00	
10	2.50	5.20	13.60	52.65	14.00	30.90	16.40	9.00	7.80	2.90	1.80	1.10	
11	3.00	5.20	13.60	53.70	12.80	25.25	14.80	8.80	7.60	3.40	1.80	1.10	
12	7.20	7.40	11.80	85.00	11.80	26.50	13.80	8.40	7.20	3.20	1.70	0.90	
13	3.20	6.60	10.80	74.60	11.20	25.25	13.20	8.00	7.00	3.00	1.70	0.90	
14	2.60	5.80	10.00	53.00	10.40	21.25	13.00	7.80	6.80	3.00	1.70	0.90	
15	2.30	5.60	9.80	46.00	10.20	18.25	52.30	8.40	6.40	2.80	1.70	0.90	
16	2.20	6.20	9.80	40.40	18.00	16.60	26.00	11.00	6.20	2.70	1.60	0.80	
17	2.10	5.20	9.20	35.70	13.60	15.20	59.30	11.60	5.60	2.60	1.60	0.80	
18	2.60	6.00	9.20	28.50	13.60	14.00	61.40	12.40	7.80	2.50	2.00	0.80	
19	3.80	7.80	8.20	24.25	11.00	13.60	64.90	11.80	6.40	2.50	1.60	0.70	
20	3.40	10.60	9.60	51.60	10.00	14.60	96.40	11.80	5.60	2.40	1.70	0.70	
21	5.40	14.60	10.60	51.95	13.20	13.20	89.00	9.60	5.40	2.40	1.60	0.70	
22	5.20	12.00	8.60	41.45	39.00	12.60	55.10	13.80	5.20	2.40	1.50	0.70	
23	4.40	8.80	8.40	39.70	25.25	12.60	39.70	16.20	5.00	2.30	1.50	0.60	
24	2.90	7.20	10.00	32.70	18.75	12.60	30.60	12.40	4.80	2.30	1.40	0.70	
25	2.80	6.40	9.60	29.10	16.40	12.40	28.20	12.60	4.60	2.50	1.40	0.60	
26	2.60	6.00	11.00	28.20	22.00	11.20	23.00	11.40	4.40	4.20	1.40	0.60	
27	2.50	6.60	10.00	23.75	18.25	15.00	20.00	11.40	4.20	2.60	1.30	0.60	
28	2.30	11.60	9.20	22.50	15.80	25.25	17.75	11.60	4.00	2.40	1.30	0.50	
29	2.20	54.05	16.80	20.50	14.60	54.40	16.60	10.60	4.00	2.30		0.50	
30	2.10	87.00	25.50	18.00	13.80	53.35	15.20	10.00	3.80	2.20		0.60	
31		66.65		16.20	14.60		15.00		3.60	2.20		0.70	
Total	96.00	403.10	483.55	1307.25	575.55	780.35	1056.00	337.65	209.00	87.80	47.90	26.60	5410.75
Mean	3.20	13.00	16.12	42.17	18.57	26.01	34.06	11.26	6.74	2.83	1.71	0.86	14.82
Max	7.20	87.00	43.90	85.00	39.00	80.20	96.40	17.25	11.40	4.20	2.10	1.20	96.40
Min	2.10	2.10	8.20	16.20	10.00	11.20	13.00	7.80	3.60	2.20	1.30	0.50	0.50
Runoff	8.29	34.83	41.78	112.95	49.73	67.42	91.24	29.17	18.06	7.59	4.14	2.30	467.49
Momentary Peak	CMS. at 17.03 m. (MSL.) at 20:00 Hours , on Jul 4, 2022												
Runoff Yield	76.41	Liters/Second/Square KM.			Momentary Peak Yield			730.15	Liters/Second/Square KM.				

WATER YEAR : 2022**PENINSULA - WEST COAST****Khlong Bang Yai at Ban Ket Ho , Phuket (X.190A)**

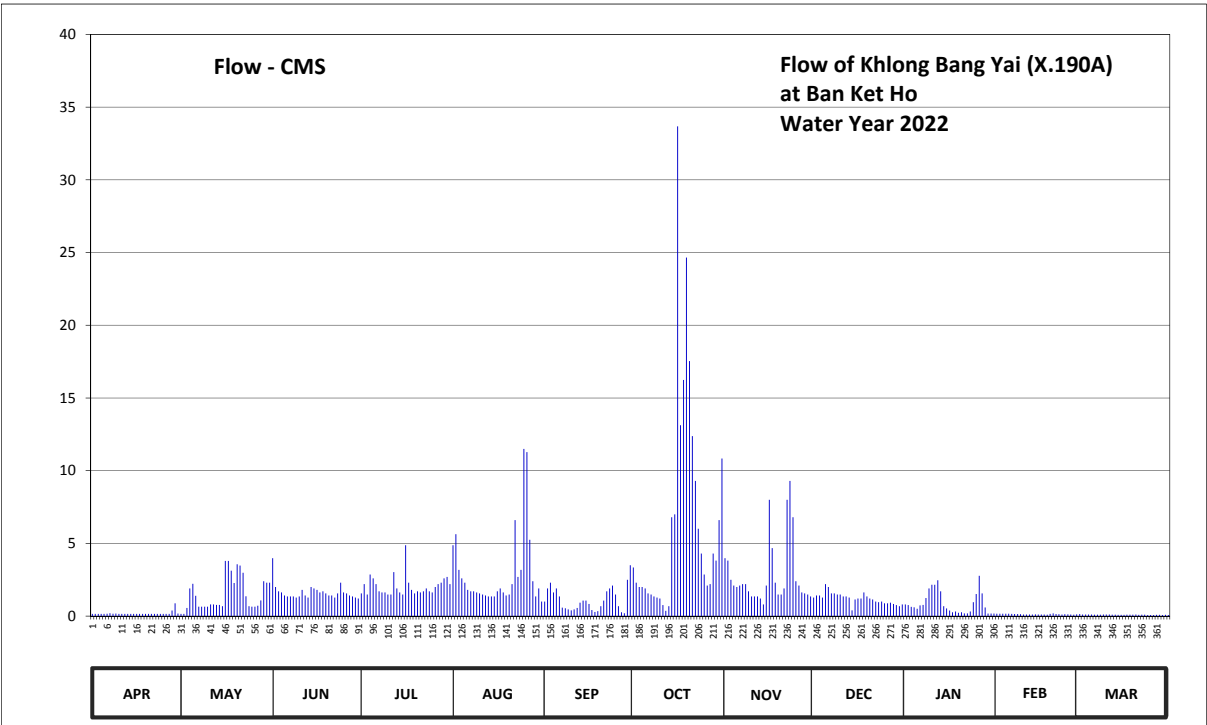
Lat 07 - 54 - 12 N Long 98 - 20 - 59 E

Location : on left bank at Ban Ket Ho.

	Ban	Ket Ho	Amphoe	Kathu	Changwat	Phuket
Drainge Area	30	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the gage site.				Elevation	+17.360 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings					
Period of Available Gage Records	2006 to date					
Rating Operation						
Period of Rating	2006 to date					
Rated by Float	-					
Rated by Current Meter	2006 to date					
Stability of Channel Regimes	Fairly stable because of backwater effect.					
Overbank Flow Conditions	Overbank flow starts at elevation + 17.140 m.(MSL.), records are channel flow only.					
General Description	Records fair. Stage-discharge relation defined by 32 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	14.35	14.35	15.38	15.18	15.43	15.10	15.34	15.38	15.14	15.05	14.36	14.34	
2	14.35	14.35	15.23	15.25	15.47	15.22	15.26	15.37	15.16	15.04	14.36	14.31	
3	14.35	14.52	15.20	15.17	15.33	15.26	15.23	15.28	15.16	15.01	14.36	14.31	
4	14.35	14.86	15.19	15.31	15.29	15.19	15.23	15.24	15.14	15.00	14.36	14.31	
5	14.35	14.92	15.16	15.29	15.26	15.22	15.22	15.23	15.25	14.95	14.36	14.31	
6	14.36	14.75	15.15	15.25	15.21	15.15	15.18	15.24	15.23	14.58	14.35	14.30	
7	14.40	14.55	15.15	15.20	15.20	14.99	15.17	15.25	15.18	14.59	14.34	14.30	
8	14.36	14.55	15.15	15.19	15.20	14.97	15.15	15.25	15.18	14.71	14.34	14.30	
9	14.37	14.55	15.14	15.19	15.19	14.93	15.14	15.20	15.17	14.86	14.33	14.31	
10	14.35	14.55	15.15	15.17	15.18	14.90	15.13	15.15	15.17	14.91	14.31	14.31	
11	14.35	14.60	15.21	15.17	15.17	14.93	15.04	15.15	15.15	14.91	14.31	14.31	
12	14.35	14.60	15.16	15.32	15.16	14.98	14.88	15.15	15.15	14.96	14.31	14.30	
13	14.35	14.59	15.14	15.22	15.15	15.08	15.02	15.13	15.14	14.82	14.31	14.30	
14	14.35	14.59	15.23	15.19	15.15	15.11	15.53	15.05	14.90	14.56	14.32	14.29	
15	14.35	14.56	15.22	15.17	15.15	15.11	15.54	15.24	15.12	14.51	14.31	14.29	
16	14.35	15.15	15.21	15.43	15.20	15.06	16.51	15.59	15.13	14.46	14.31	14.29	
17	14.35	15.15	15.19	15.26	15.22	14.91	15.82	15.42	15.13	14.42	14.31	14.30	
18	14.35	15.06	15.20	15.21	15.19	14.84	15.94	15.26	15.19	14.44	14.30	14.30	
19	14.35	14.93	15.18	15.18	15.16	14.87	16.24	15.17	15.15	14.41	14.35	14.30	
20	14.35	15.12	15.16	15.20	15.17	15.02	15.99	15.17	15.13	14.42	14.39	14.31	
21	14.35	15.11	15.16	15.19	15.25	15.11	15.79	15.22	15.12	14.39	14.34	14.29	
22	14.35	15.04	15.14	15.20	15.52	15.20	15.65	15.59	15.10	14.39	14.33	14.30	
23	14.35	14.74	15.18	15.22	15.30	15.22	15.49	15.65	15.09	14.44	14.31	14.30	
24	14.35	14.56	15.26	15.20	15.33	15.24	15.40	15.53	15.10	14.64	14.33	14.28	
25	14.35	14.55	15.19	15.19	15.75	15.17	15.31	15.27	15.07	14.78	14.32	14.28	
26	14.35	14.55	15.18	15.23	15.74	15.02	15.24	15.24	15.07	15.01	14.31	14.28	
27	14.35	14.57	15.16	15.25	15.45	14.83	15.25	15.19	15.08	14.79	14.30	14.29	
28	14.46	14.67	15.15	15.26	15.27	14.80	15.40	15.18	15.06	14.53	14.32	14.29	
29	14.62	15.27	15.14	15.29	15.15	15.28	15.37	15.17	15.04	14.38		14.28	
30	14.38	15.26	15.13	15.30	15.22	15.35	15.52	15.15	15.02	14.38		14.29	
31		15.26		15.25	15.10		15.72		15.05	14.37		14.28	
Mean	14.37	14.77	15.18	15.23	15.28	15.07	15.44	15.27	15.12	14.67	14.33	14.30	
Max	14.62	15.27	15.38	15.43	15.75	15.35	16.51	15.65	15.25	15.05	14.39	14.34	16.51
Min	14.35	14.35	15.13	15.17	15.10	14.80	14.88	15.05	14.90	14.37	14.30	14.28	14.28
Annual Max Momentary Gage Height	17.47		m. (MSL.) ,			at 06.00 Hours ,	on Oct 16, 2022						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	13.99	m. (MSL.)					
Left Bank Elevation	17.13		m. (MSL.) ,										
Right Bank Elevation	17.23		m. (MSL.) ,			Drainage Are	30	Square Kilometers					

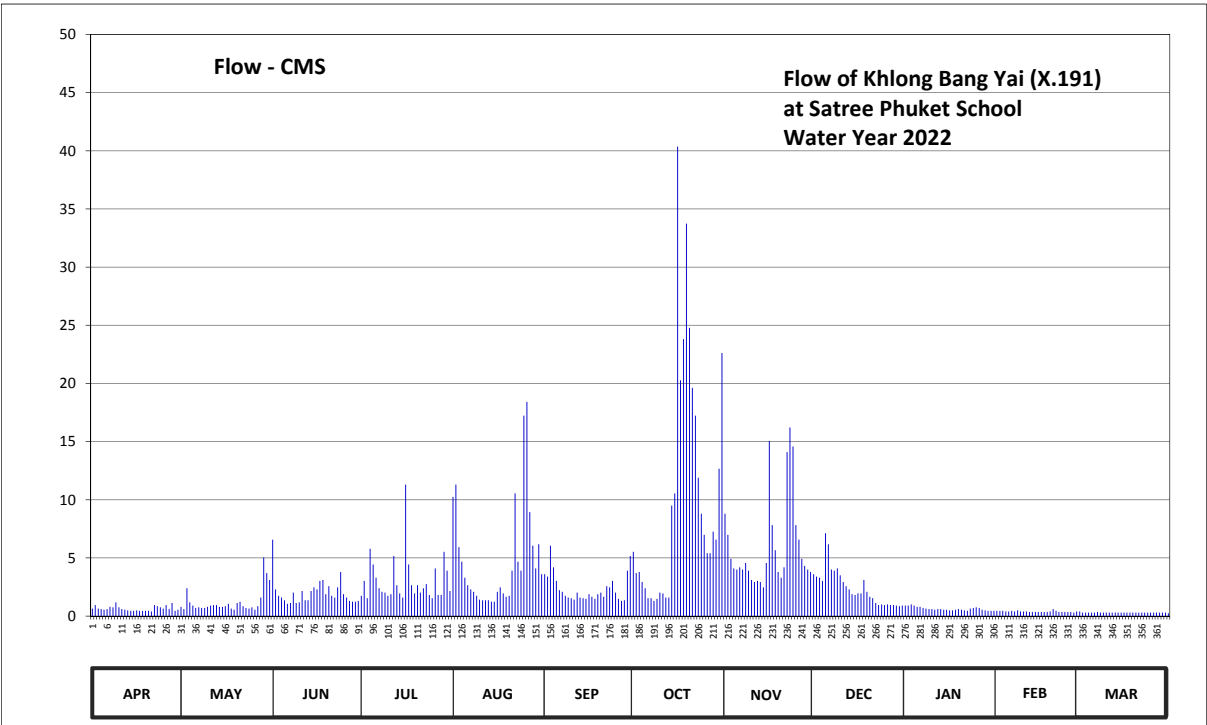


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.15	0.15	3.98	1.56	4.87	1.00	3.34	3.98	1.28	0.80	0.16	0.14	
2	0.15	0.15	2.00	2.20	5.63	1.90	2.30	3.82	1.42	0.76	0.16	0.11	
3	0.15	0.56	1.70	1.49	3.18	2.30	2.00	2.50	1.42	0.64	0.16	0.11	
4	0.15	1.90	1.63	2.86	2.60	1.63	2.00	2.10	1.28	0.60	0.16	0.11	
5	0.15	2.22	1.42	2.60	2.30	1.90	1.90	2.00	2.20	0.50	0.16	0.11	
6	0.16	1.40	1.35	2.20	1.80	1.35	1.56	2.10	2.00	0.74	0.15	0.10	
7	0.20	0.65	1.35	1.70	1.70	0.58	1.49	2.20	1.56	0.77	0.14	0.10	
8	0.16	0.65	1.35	1.63	1.70	0.54	1.35	2.20	1.56	1.24	0.14	0.10	
9	0.17	0.65	1.28	1.63	1.63	0.46	1.28	1.70	1.49	1.90	0.13	0.11	
10	0.15	0.65	1.35	1.49	1.56	0.40	1.21	1.35	1.49	2.16	0.11	0.11	
11	0.15	0.80	1.80	1.49	1.49	0.46	0.76	1.35	1.35	2.16	0.11	0.11	
12	0.15	0.80	1.42	3.02	1.42	0.56	0.36	1.35	1.35	2.46	0.11	0.10	
13	0.15	0.77	1.28	1.90	1.35	0.92	0.68	1.21	1.28	1.70	0.11	0.10	
14	0.15	0.77	2.00	1.63	1.35	1.07	6.80	0.80	0.40	0.68	0.12	0.09	
15	0.15	0.68	1.90	1.49	1.35	1.07	7.00	2.10	1.14	0.53	0.11	0.09	
16	0.15	3.80	1.80	4.87	1.70	0.84	33.68	8.00	1.21	0.38	0.11	0.09	
17	0.15	3.80	1.63	2.30	1.90	0.42	13.12	4.68	1.21	0.26	0.11	0.10	
18	0.15	3.12	1.70	1.80	1.63	0.28	16.24	2.30	1.63	0.32	0.10	0.10	
19	0.15	2.28	1.56	1.56	1.42	0.34	24.66	1.49	1.35	0.23	0.15	0.10	
20	0.15	3.56	1.42	1.70	1.49	0.68	17.54	1.49	1.21	0.26	0.19	0.11	
21	0.15	3.48	1.42	1.63	2.20	1.07	12.38	1.90	1.14	0.19	0.14	0.09	
22	0.15	2.98	1.28	1.70	6.60	1.70	9.30	8.00	1.00	0.19	0.13	0.10	
23	0.15	1.36	1.56	1.90	2.70	1.90	6.01	9.30	0.96	0.32	0.11	0.10	
24	0.15	0.68	2.30	1.70	3.18	2.10	4.30	6.80	1.00	0.96	0.13	0.08	
25	0.15	0.65	1.63	1.63	11.50	1.49	2.86	2.40	0.88	1.52	0.12	0.08	
26	0.15	0.65	1.56	2.00	11.28	0.68	2.10	2.10	0.88	2.77	0.11	0.08	
27	0.15	0.71	1.42	2.20	5.25	0.26	2.20	1.63	0.92	1.56	0.10	0.09	
28	0.38	1.08	1.35	2.30	2.40	0.20	4.30	1.56	0.84	0.59	0.12	0.09	
29	0.88	2.40	1.28	2.60	1.35	2.50	3.82	1.49	0.76	0.18		0.08	
30	0.18	2.30	1.21	2.70	1.90	3.50	6.60	1.35	0.68	0.18		0.09	
31		2.30		2.20	1.00		10.84		0.80	0.17		0.08	
Total	5.58	47.95	48.93	63.68	91.43	34.10	203.98	85.25	37.69	27.72	3.65	3.05	653.01 CMSDAY
Mean	0.19	1.55	1.63	2.05	2.95	1.14	6.58	2.84	1.22	0.89	0.13	0.10	1.79 CMS
Max	0.88	3.80	3.98	4.87	11.50	3.50	33.68	9.30	2.20	2.77	0.19	0.14	33.68 CMS
Min	0.15	0.15	1.21	1.49	1.00	0.20	0.36	0.80	0.40	0.17	0.10	0.08	0.08 CMS
Runoff	0.48	4.14	4.23	5.50	7.90	2.95	17.62	7.37	3.26	2.40	0.32	0.26	56.42 MCM
Momentary Peak	78.91 CMS. at 17.47 m. (MSL.) at 06.00 Hours , on Oct 16, 2022												
Runoff Yield	59.46	Liters/Second/Square KM.			Momentary Peak Yield			2622.47	Liters/Second/Square KM.				

Lat 07 - 53 - 28 N Long 98 - 23 - 30 E

	Ban	-	Amphoe	Mueang	Changwat	Phuket
Drainage Area	56	sq.km.				
Type of Gage	Water	- stage recorder.				
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 8 meters from the top staff gage.				Elevation	+4.964 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings					
Period of Available Gage Records	1996 to date					
Rating Operation						
Period of Rating	1996 to date					
Rated by Float	-					
Rated by Current Meter	1996 to date					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	Overbank flow starts at elevation + 4.910 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 37 discharge measurements made in 2022.					

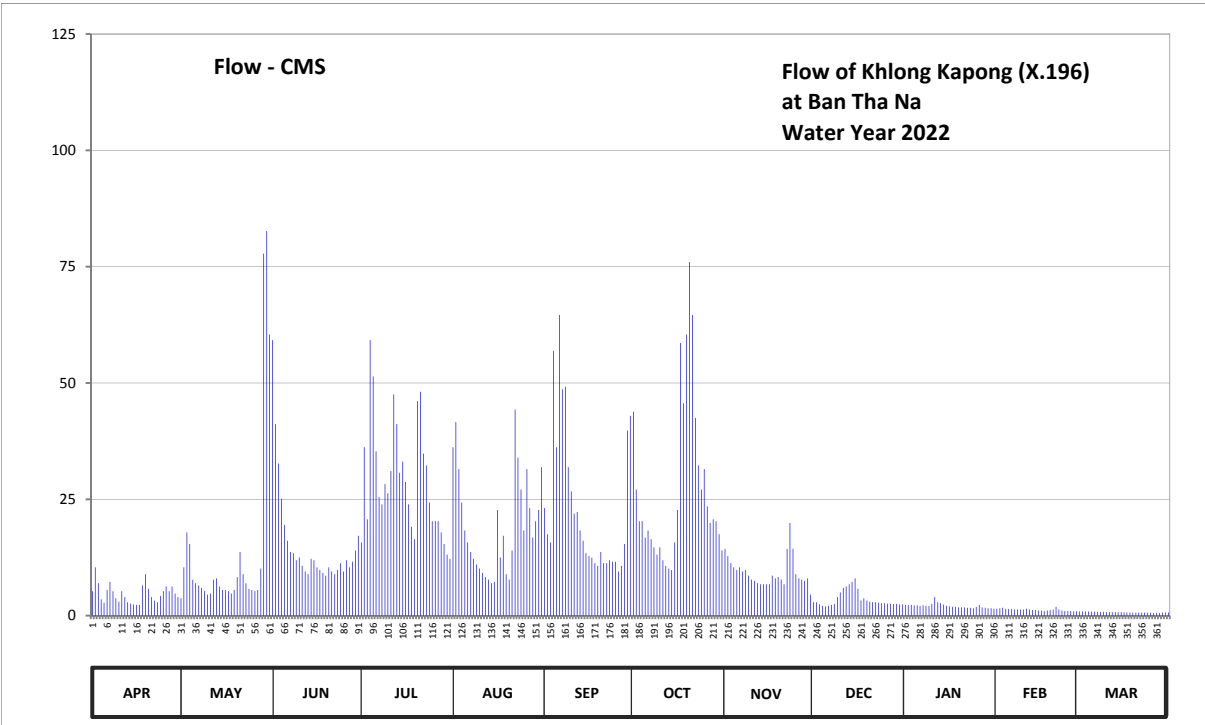
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.43	1.46	2.09	1.62	2.35	1.84	2.01	2.25	1.84	1.48	1.39	1.38	
2	1.49	1.42	1.70	1.78	2.42	1.82	1.85	2.12	1.82	1.48	1.39	1.36	
3	1.43	1.71	1.62	1.59	2.04	2.05	1.86	1.96	1.81	1.50	1.39	1.36	
4	1.42	1.53	1.60	2.03	1.94	1.90	1.77	1.89	1.78	1.48	1.38	1.36	
5	1.41	1.48	1.56	1.92	1.81	1.78	1.71	1.88	2.13	1.46	1.38	1.36	
6	1.42	1.44	1.51	1.81	1.74	1.69	1.59	1.90	2.06	1.46	1.39	1.36	
7	1.46	1.45	1.52	1.71	1.70	1.67	1.59	1.88	1.88	1.44	1.38	1.37	
8	1.45	1.44	1.66	1.67	1.67	1.62	1.55	1.93	1.87	1.43	1.40	1.36	
9	1.53	1.44	1.52	1.66	1.62	1.60	1.58	1.87	1.89	1.42	1.38	1.36	
10	1.45	1.46	1.53	1.62	1.57	1.59	1.66	1.79	1.83	1.42	1.38	1.36	
11	1.42	1.48	1.68	1.64	1.56	1.57	1.65	1.77	1.77	1.41	1.38	1.36	
12	1.41	1.49	1.56	1.98	1.56	1.66	1.60	1.78	1.73	1.42	1.37	1.36	
13	1.40	1.49	1.56	1.74	1.56	1.60	1.60	1.77	1.70	1.42	1.37	1.36	
14	1.39	1.46	1.68	1.65	1.54	1.59	2.30	1.72	1.64	1.41	1.37	1.36	
15	1.39	1.46	1.72	1.60	1.54	1.58	2.37	1.93	1.63	1.41	1.37	1.36	
16	1.40	1.47	1.70	2.42	1.67	1.64	4.33	2.66	1.65	1.40	1.37	1.36	
17	1.39	1.51	1.78	1.92	1.72	1.61	3.09	2.18	1.65	1.40	1.37	1.36	
18	1.39	1.43	1.79	1.74	1.65	1.58	3.35	2.02	1.79	1.41	1.37	1.36	
19	1.39	1.41	1.64	1.65	1.61	1.64	3.99	1.86	1.67	1.42	1.38	1.36	
20	1.39	1.52	1.73	1.74	1.62	1.66	3.42	1.81	1.61	1.41	1.42	1.36	
21	1.38	1.54	1.62	1.66	1.87	1.61	3.04	1.90	1.59	1.40	1.39	1.36	
22	1.49	1.47	1.60	1.71	2.37	1.73	2.79	2.60	1.52	1.39	1.37	1.36	
23	1.47	1.44	1.72	1.75	1.94	1.72	2.46	2.73	1.49	1.43	1.37	1.36	
24	1.45	1.43	1.86	1.63	1.87	1.78	2.25	2.63	1.50	1.44	1.37	1.36	
25	1.43	1.45	1.64	1.59	2.79	1.66	2.12	2.18	1.49	1.45	1.37	1.36	
26	1.49	1.41	1.60	1.89	2.86	1.58	2.00	2.09	1.50	1.44	1.37	1.36	
27	1.42	1.47	1.55	1.63	2.26	1.55	2.00	1.96	1.49	1.41	1.36	1.36	
28	1.52	1.60	1.54	1.63	2.05	1.56	2.14	1.91	1.49	1.40	1.38	1.36	
29	1.39	1.97	1.54	2.01	1.89	1.87	2.09	1.88	1.48	1.39		1.36	
30	1.41	1.85	1.55	1.87	2.06	1.98	2.51	1.86	1.47	1.39		1.36	
31		1.79		1.68	1.84		3.09		1.48	1.39		1.35	
Mean	1.43	1.52	1.65	1.76	1.89	1.69	2.30	2.02	1.69	1.43	1.38	1.36	
Max	1.53	1.97	2.09	2.42	2.86	2.05	4.33	2.73	2.13	1.50	1.42	1.38	



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.65	0.80	6.57	1.74	10.25	3.60	5.53	8.80	3.60	0.90	0.45	0.40	
2	0.95	0.60	2.30	3.02	11.30	3.40	3.70	6.98	3.40	0.90	0.45	0.30	
3	0.65	2.39	1.74	1.54	5.92	6.05	3.80	4.92	3.30	1.00	0.45	0.30	
4	0.60	1.18	1.60	5.79	4.68	4.20	2.93	4.10	3.02	0.90	0.40	0.30	
5	0.55	0.90	1.36	4.44	3.30	3.02	2.39	4.00	7.12	0.80	0.40	0.30	
6	0.60	0.70	1.06	3.30	2.66	2.23	1.54	4.20	6.18	0.80	0.45	0.30	
7	0.80	0.75	1.12	2.39	2.30	2.09	1.54	4.00	4.00	0.70	0.40	0.35	
8	0.75	0.70	2.02	2.09	2.09	1.74	1.30	4.56	3.90	0.65	0.50	0.30	
9	1.18	0.70	1.12	2.02	1.74	1.60	1.48	3.90	4.10	0.60	0.40	0.30	
10	0.75	0.80	1.18	1.74	1.42	1.54	2.02	3.11	3.50	0.60	0.40	0.30	
11	0.60	0.90	2.16	1.88	1.36	1.42	1.95	2.93	2.93	0.55	0.40	0.30	
12	0.55	0.95	1.36	5.16	1.36	2.02	1.60	3.02	2.57	0.60	0.35	0.30	
13	0.50	0.95	1.36	2.66	1.36	1.60	1.60	2.93	2.30	0.60	0.35	0.30	
14	0.45	0.80	2.16	1.95	1.24	1.54	9.50	2.48	1.88	0.55	0.35	0.30	
15	0.45	0.80	2.48	1.60	1.24	1.48	10.55	4.56	1.81	0.55	0.35	0.30	
16	0.50	0.85	2.30	11.30	2.09	1.88	40.36	15.06	1.95	0.50	0.35	0.30	
17	0.45	1.06	3.02	4.44	2.48	1.67	20.27	7.82	1.95	0.50	0.35	0.30	
18	0.45	0.65	3.11	2.66	1.95	1.48	23.80	5.66	3.11	0.55	0.35	0.30	
19	0.45	0.55	1.88	1.95	1.67	1.88	33.73	3.80	2.09	0.60	0.40	0.30	
20	0.45	1.12	2.57	2.66	1.74	2.02	24.78	3.30	1.67	0.55	0.60	0.30	
21	0.40	1.24	1.74	2.02	3.90	1.67	19.62	4.20	1.54	0.50	0.45	0.30	
22	0.95	0.85	1.60	2.39	10.55	2.57	17.23	14.10	1.12	0.45	0.35	0.30	
23	0.85	0.70	2.48	2.75	4.68	2.48	11.90	16.21	0.95	0.65	0.35	0.30	
24	0.75	0.65	3.80	1.81	3.90	3.02	8.80	14.58	1.00	0.70	0.35	0.30	
25	0.65	0.75	1.88	1.54	17.23	2.02	6.98	7.82	0.95	0.75	0.35	0.30	
26	0.95	0.55	1.60	4.10	18.42	1.48	5.40	6.57	1.00	0.70	0.35	0.30	
27	0.60	0.85	1.30	1.81	8.94	1.30	5.40	4.92	0.95	0.55	0.30	0.30	
28	1.12	1.60	1.24	1.81	6.05	1.36	7.26	4.32	0.95	0.50	0.40	0.30	
29	0.45	5.04	1.24	5.53	4.10	3.90	6.57	4.00	0.90	0.45		0.30	
30	0.55	3.70	1.30	3.90	6.18	5.16	12.66	3.80	0.85	0.45		0.30	
31		3.11		2.16	3.60		22.61		0.90	0.45		0.25	
Total	19.60	37.19	60.65	94.15	149.70	71.42	318.80	180.65	75.49	19.55	11.05	9.40	1047.65 CMSDAY
Mean	0.65	1.20	2.02	3.04	4.83	2.38	10.28	6.02	2.44	0.63	0.39	0.30	2.87 CMS
Max	1.18	5.04	6.57	11.30	18.42	6.05	40.36	16.21	7.12	1.00	0.60	0.40	40.36 CMS
Min	0.40	0.55	1.06	1.54	1.24	1.30	1.30	2.48	0.85	0.45	0.30	0.25	0.25 CMS
Runoff	1.69	3.21	5.24	8.13	12.93	6.17	27.54	15.61	6.52	1.69	0.95	0.81	90.52 MCM
Momentary Peak	68.63 CMS. at 4.91 m. (MSL.) at 11.00 Hours , on Oct 16, 2022												
Runoff Yield	51.25	Liters/Second/Square KM.		Momentary Peak Yield		1225.54	Liters/Second/Square KM.						

	Ban	Tha Na	Amphoe	Kapong	Changwat	Phang Nga
Drainage Area	131	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the top staff gage.				Elevation	+20.086 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings					
Period of Available Gage Records	1999 to date					
Rating Operation						
Period of Rating	2003 to date					
Rated by Float	-					
Rated by Current Meter	2003 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 26 discharge measurements made in 2022.					

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	14.89	14.83	16.22	15.25	15.76	15.44	15.93	15.21	14.79	14.73	14.65	14.58	
	2	15.08	15.08	15.87	15.76	15.88	15.30	15.54	15.16	14.79	14.73	14.66	14.58	
	3	14.96	15.31	15.68	15.38	15.65	15.25	15.37	15.11	14.74	14.73	14.67	14.58	
	4	14.82	15.24	15.49	16.22	15.47	16.18	15.37	15.08	14.71	14.72	14.65	14.58	
	5	14.78	14.99	15.35	16.08	15.32	15.76	15.28	15.06	14.70	14.72	14.64	14.57	
	6	14.90	14.96	15.26	15.74	15.25	16.31	15.32	15.08	14.71	14.71	14.64	14.57	
	7	14.97	14.94	15.19	15.50	15.19	16.03	15.27	15.05	14.73	14.72	14.63	14.56	
	8	14.89	14.92	15.18	15.46	15.14	16.04	15.22	15.06	14.75	14.71	14.63	14.56	
	9	14.83	14.89	15.13	15.57	15.10	15.66	15.17	15.02	14.84	14.71	14.63	14.56	
	10	14.80	14.86	15.15	15.52	15.07	15.53	15.22	14.99	14.88	14.75	14.63	14.56	
	11	14.89	14.87	15.09	15.64	15.04	15.41	15.13	14.98	14.92	14.84	14.65	14.56	
	12	14.84	14.99	15.05	16.01	15.01	15.42	15.09	14.96	14.93	14.79	14.63	14.55	
	13	14.79	15.00	15.03	15.87	14.99	15.32	15.07	14.95	14.95	14.77	14.62	14.55	
	14	14.76	14.93	15.14	15.63	14.96	15.26	15.06	14.95	14.97	14.74	14.62	14.55	
	15	14.74	14.90	15.13	15.69	14.97	15.18	15.25	14.95	15.00	14.71	14.61	14.55	
	16	14.73	14.90	15.08	15.58	15.43	15.16	15.43	14.95	14.91	14.70	14.61	14.54	
	17	14.73	14.89	15.06	15.46	15.15	15.15	16.21	15.02	14.81	14.69	14.60	14.54	
	18	14.94	14.87	15.04	15.34	15.29	15.11	15.97	15.00	14.83	14.69	14.61	14.54	
	19	15.03	14.90	15.02	15.27	15.03	15.09	16.24	15.01	14.81	14.68	14.62	14.53	
	20	14.91	15.01	15.08	15.98	14.99	15.19	16.50	14.99	14.80	14.68	14.63	14.53	
	21	14.84	15.19	15.05	16.02	15.20	15.11	16.31	14.95	14.79	14.68	14.69	14.53	
	22	14.81	15.03	15.03	15.73	15.94	15.11	15.90	15.21	14.79	14.67	14.63	14.53	
	23	14.79	14.96	15.06	15.67	15.71	15.13	15.67	15.36	14.78	14.67	14.61	14.53	
	24	14.85	14.91	15.11	15.47	15.54	15.12	15.54	15.21	14.77	14.66	14.60	14.53	
	25	14.89	14.90	15.05	15.37	15.32	15.12	15.65	15.03	14.77	14.69	14.60	14.53	
	26	14.93	14.89	15.13	15.37	15.65	15.05	15.45	15.00	14.76	14.73	14.60	14.52	
	27	14.89	14.90	15.08	15.37	15.44	15.09	15.36	14.99	14.76	14.68	14.59	14.52	
	28	14.93	15.07	15.12	15.31	15.28	15.24	15.38	14.98	14.75	14.67	14.59	14.52	
	29	14.87	16.53	15.20	15.24	15.37	15.84	15.37	15.00	14.75	14.66		1	



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.25	3.75	59.20	15.75	36.20	23.10	43.85	14.35	2.90	2.30	1.50	0.90	
2	10.40	10.40	41.15	36.20	41.60	17.50	27.10	12.80	2.90	2.30	1.60	0.90	
3	7.00	17.90	32.70	20.70	31.50	15.75	20.30	11.30	2.40	2.30	1.70	0.90	
4	3.50	15.40	25.10	59.20	24.30	56.90	20.30	10.40	2.10	2.20	1.50	0.90	
5	2.80	7.75	19.50	51.40	18.30	36.20	16.80	9.80	2.00	2.20	1.40	0.85	
6	5.50	7.00	16.10	35.30	15.75	64.60	18.30	10.40	2.10	2.10	1.40	0.85	
7	7.25	6.50	13.70	25.50	13.70	48.65	16.45	9.50	2.30	2.20	1.30	0.80	
8	5.25	6.00	13.40	23.90	12.20	49.20	14.70	9.80	2.50	2.10	1.30	0.80	
9	3.75	5.25	11.90	28.30	11.00	31.90	13.10	8.60	4.00	2.10	1.30	0.80	
10	3.00	4.50	12.50	26.30	10.10	26.70	14.70	7.75	5.00	2.50	1.30	0.80	
11	5.25	4.75	10.70	31.10	9.20	21.90	11.90	7.50	6.00	4.00	1.50	0.80	
12	4.00	7.75	9.50	47.55	8.30	22.30	10.70	7.00	6.25	2.90	1.30	0.75	
13	2.90	8.00	8.90	41.15	7.75	18.30	10.10	6.75	6.75	2.70	1.20	0.75	
14	2.60	6.25	12.20	30.70	7.00	16.10	9.80	6.75	7.25	2.40	1.20	0.75	
15	2.40	5.50	11.90	33.10	7.25	13.40	15.75	6.75	8.00	2.10	1.10	0.75	
16	2.30	5.50	10.40	28.70	22.70	12.80	22.70	6.75	5.75	2.00	1.10	0.70	
17	2.30	5.25	9.80	23.90	12.50	12.50	58.60	8.60	3.25	1.90	1.00	0.70	
18	6.50	4.75	9.20	19.10	17.15	11.30	45.65	8.00	3.75	1.90	1.10	0.70	
19	8.90	5.50	8.60	16.45	8.90	10.70	60.40	8.30	3.25	1.80	1.20	0.65	
20	5.75	8.30	10.40	46.10	7.75	13.70	76.00	7.75	3.00	1.80	1.30	0.65	
21	4.00	13.70	9.50	48.10	14.00	11.30	64.60	6.75	2.90	1.80	1.90	0.65	
22	3.25	8.90	8.90	34.85	44.30	11.30	42.50	14.35	2.90	1.70	1.30	0.65	
23	2.90	7.00	9.80	32.30	33.95	11.90	32.30	19.90	2.80	1.70	1.10	0.65	
24	4.25	5.75	11.30	24.30	27.10	11.60	27.10	14.35	2.70	1.60	1.00	0.65	
25	5.25	5.50	9.50	20.30	18.30	11.60	31.50	8.90	2.70	1.90	1.00	0.65	
26	6.25	5.25	11.90	20.30	31.50	9.50	23.50	8.00	2.60	2.30	1.00	0.60	
27	5.25	5.50	10.40	20.30	23.10	10.70	19.90	7.75	2.60	1.80	0.95	0.60	
28	6.25	10.10	11.60	17.90	16.80	15.40	20.70	7.50	2.50	1.70	0.95	0.60	
29	4.75	77.80	14.00	15.40	20.30	39.80	20.30	8.00	2.50	1.60		0.65	
30	4.00	82.65	17.15	13.10	22.70	42.95	17.50	4.50	2.40	1.60		0.70	
31		60.40		12.20	31.90		14.00		2.40	1.50		0.70	
Total	142.75	428.55	460.90	899.45	607.10	699.55	841.10	278.85	110.45	65.00	35.50	22.80	4592.00
Mean	4.76	13.82	15.36	29.01	19.58	23.32	27.13	9.29	3.56	2.10	1.27	0.74	12.58
Max	10.40	82.65	59.20	59.20	44.30	64.60	76.00	19.90	8.00	4.00	1.90	0.90	82.65
Min	2.30	3.75	8.60	12.20	7.00	9.50	9.80	4.50	2.00	1.50	0.95	0.60	0.60
Runoff	12.33	37.03	39.82	77.71	52.45	60.44	72.67	24.09	9.54	5.62	3.07	1.97	396.75
Momentary Peak	169.40 CMS. at 17.76 m. (MSL.) at 23.00 Hours , on May 29, 2022												
Runoff Yield	96.04	Liters/Second/Square KM.				Momentary Peak Yield 1293.13				Liters/Second/Square KM.			

WATER YEAR : 2022**PENINSULA - WEST COAST****Khlong La-Un at Ban La-Un Tai , Ranong (X.205)**

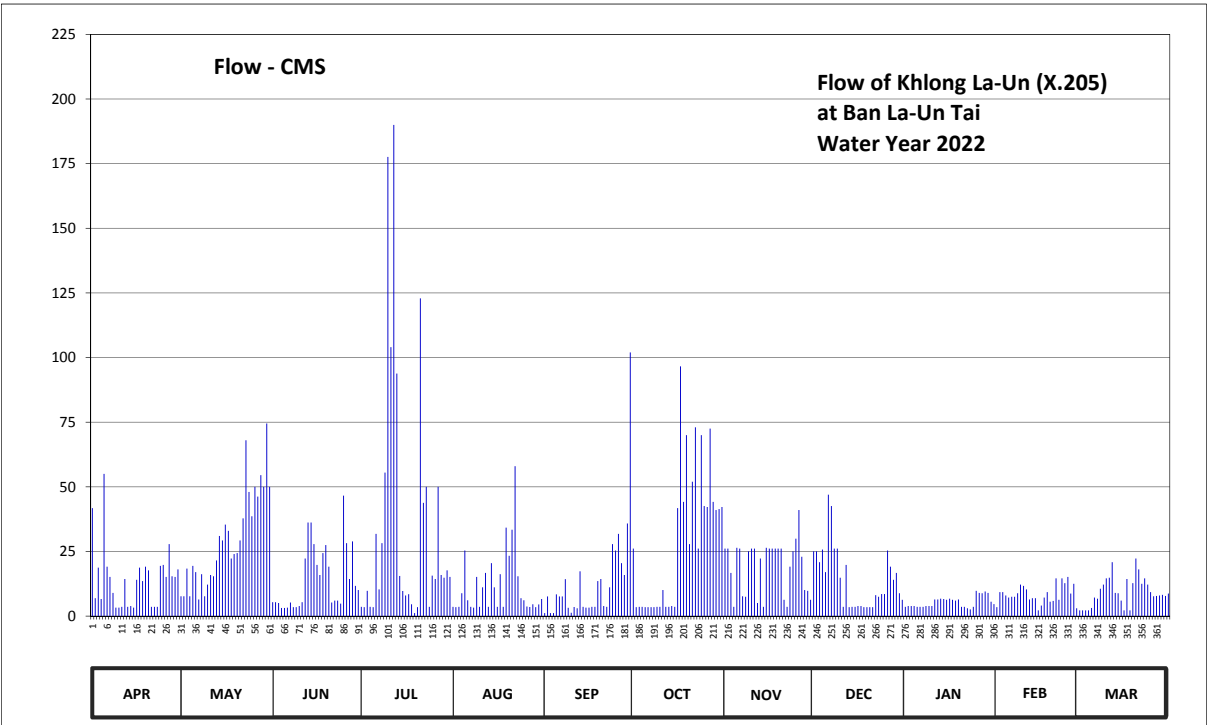
Lat 10 - 06 - 37 N Long 98 - 45 - 32 E

Location : on left bank at the bridge.

	Ban	La-Un Tai	Amphoe	La-un	Changwat	Ranong
Drainge Area	229	sq.km.				
Type of Gage	Staff gage.					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	on righth bank at the bridge of downstream.					Elevation +7.183 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic means of 5 readings					
Period of Available Gage Records	2021 to date.					
Rating Operation						
Period of Rating	2021 to date.					
Rated by Float	-					
Rated by Current Meter	2021 to date.					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	Overbank flow starts at elevation + 3.220 m.(MSL.), records are channel flow only.					
General Description	Records fair. Stage-discharge relation defined by 21 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.47	0.41	0.26	0.14	0.14	0.13	1.06	1.06	1.03	0.14	0.13	0.02	
2	0.36	0.41	0.26	0.13	0.13	1.06	0.13	1.06	1.03	0.16	0.51	0.02	
3	0.85	0.84	0.24	0.53	0.14	0.14	0.14	0.79	0.91	0.16	0.51	0.02	
4	0.34	0.41	0.11	0.14	0.49	0.14	0.14	0.14	1.05	0.16	0.43	0.02	
5	1.76	0.87	0.11	0.13	1.04	1.14	0.13	1.07	0.80	0.14	0.38	0.11	
6	0.86	0.80	0.12	1.22	0.31	1.06	0.13	1.06	1.60	0.14	0.40	0.38	
7	0.73	0.33	0.25	0.55	0.14	1.06	0.13	0.41	1.49	0.14	0.40	0.35	
8	0.50	0.77	0.13	1.12	0.12	1.62	0.13	0.40	1.06	0.16	0.49	0.56	
9	0.12	0.41	0.13	1.77	0.73	0.54	0.14	1.03	1.06	0.16	0.62	0.62	
10	0.12	0.62	0.16	3.72	0.14	0.16	0.14	1.06	0.72	0.16	0.60	0.71	
11	0.14	0.76	0.26	3.73	0.58	0.60	0.54	1.06	0.14	0.33	0.55	0.72	
12	0.70	0.74	0.95	4.43	0.79	0.50	0.14	0.24	0.88	0.33	0.33	0.91	
13	0.14	0.93	1.33	3.61	0.14	0.81	0.14	0.95	0.13	0.35	0.36	0.50	
14	0.16	1.20	1.33	1.70	0.90	0.14	0.16	0.14	0.14	0.34	0.36	0.49	
15	0.12	1.15	1.11	1.27	0.58	0.12	0.14	1.07	0.14	0.32	0.02	0.30	
16	0.69	1.31	0.88	1.10	0.14	0.12	1.47	1.06	0.16	0.35	0.17	0.02	
17	0.85	1.25	0.76	1.15	0.77	0.14	2.56	1.06	0.16	0.32	0.38	0.70	
18	0.67	0.95	1.01	0.76	0.14	0.14	1.53	1.06	0.13	0.30	0.51	0.02	
19	0.86	1.00	1.10	0.14	1.28	0.67	2.06	1.06	0.13	0.33	0.27	0.64	
20	0.82	1.01	0.86	0.13	0.98	0.70	1.11	1.06	0.13	0.14	0.29	0.95	
21	0.14	1.15	0.25	2.97	1.26	0.16	1.70	0.32	0.13	0.14	0.71	0.83	
22	0.14	1.37	0.30	1.52	1.82	0.14	2.12	0.14	0.44	0.10	0.32	0.63	
23	0.14	2.02	0.30	1.66	0.74	0.58	1.06	0.86	0.40	0.06	0.71	0.71	
24	0.87	1.62	0.22	0.14	0.36	1.11	2.06	1.03	0.47	0.14	0.64	0.62	
25	0.88	1.39	1.59	0.75	0.91	1.04	1.49	1.17	0.47	0.53	0.73	0.51	
26	0.73	1.66	1.12	0.70	0.64	1.22	1.48	1.45	1.04	0.50	0.48	0.41	
27	1.11	1.58	0.70	1.66	0.61	0.90	2.11	0.97	0.86	0.49	0.63	0.42	
28	0.74	1.75	1.14	0.76	0.76	0.76	1.53	0.54	0.69	0.52	0.10	0.43	
29	0.73	1.66	0.60	0.72	0.59	1.32	1.45	0.53	0.79	0.50		0.45	
30	0.83	2.15	0.54	0.82	0.75	2.65	1.46	0.32	0.49	0.27		0.42	
31		1.66		0.73	0.96		1.48		0.32	0.21		0.48	
Mean	0.62	1.10	0.60	1.29	0.62	0.70	0.97	0.81	0.61	0.26	0.43	0.45	
Max	1.76	2.15	1.59	4.43	1.82	2.65	2.56	1.45	1.60	0.53	0.73	0.95	4.43
Min	0.12	0.33	0.11	0.13	0.12	0.12	0.13	0.14	0.13	0.06	0.02	0.02	0.02
Annual Max Momentary Gage Height	4.80		m. (MSL.) ,			at 15.00 Hours , on Jul 10, 2022							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed -0.51	m. (MSL.)						
Left Bank Elevation		5.25	m. (MSL.) ,										
Right Bank Elevation		3.21	m. (MSL.) ,			Drainage Are	229	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	41.80	7.65	5.40	3.60	3.60	1.15	26.10	26.10	25.05	3.60	3.45	2.20		
2	6.90	7.65	5.40	3.45	3.45	7.60	3.45	26.10	25.05	3.90	9.27	2.20		
3	18.75	18.40	5.10	9.80	3.60	1.20	3.60	16.73	20.85	3.90	9.27	2.20		
4	6.60	7.65	3.15	3.60	8.85	1.20	3.60	3.60	25.75	3.90	7.95	2.20		
5	55.00	19.45	3.15	3.45	25.40	8.40	3.45	26.45	17.00	3.60	7.20	3.15		
6	19.10	17.00	3.30	31.80	6.15	7.60	3.45	26.10	47.00	3.60	7.50	7.20		
7	15.13	6.45	5.25	10.33	3.60	7.60	3.45	7.65	42.60	3.60	7.50	6.75		
8	9.00	16.20	3.45	28.20	3.30	14.30	3.45	7.50	26.10	3.90	8.85	10.60		
9	3.30	7.65	3.45	55.50	15.13	3.20	3.60	25.05	26.10	3.90	12.20	12.20		
10	3.30	12.20	3.90	177.60	3.60	1.30	3.60	26.10	14.87	3.90	11.67	14.60		
11	3.60	15.93	5.40	104.05	11.13	3.50	10.07	26.10	3.60	6.45	10.33	14.87		
12	14.33	15.40	22.25	190.00	16.73	3.00	3.60	5.10	19.80	6.45	6.45	20.85		
13	3.60	21.55	36.20	93.85	3.60	17.35	3.60	22.25	3.45	6.75	6.90	9.00		
14	3.90	31.00	36.20	15.50	20.50	3.60	3.90	3.60	3.60	6.60	6.90	8.85		
15	3.30	29.25	27.85	9.70	11.13	3.30	3.60	26.45	3.60	6.30	2.20	6.00		
16	14.07	35.40	19.80	8.00	3.60	3.30	41.80	26.10	3.90	6.75	4.05	2.20		
17	18.75	33.00	15.93	8.50	16.20	3.60	96.60	26.10	3.90	6.30	7.20	14.33		
18	13.53	22.25	24.35	4.60	3.60	3.60	44.20	26.10	3.45	6.00	9.27	2.20		
19	19.10	24.00	27.50	1.20	34.20	13.53	70.00	26.10	3.45	6.45	5.55	12.73		
20	17.70	24.35	19.10	3.45	23.30	14.33	27.85	26.10	3.45	3.60	5.85	22.25		
21	3.60	29.25	5.25	122.90	33.40	3.90	52.00	6.30	3.45	3.60	14.60	18.05		
22	3.60	37.80	6.00	43.80	58.00	3.60	73.00	3.60	8.10	3.00	6.30	12.47		
23	3.60	68.00	6.00	50.00	15.40	11.13	26.10	19.10	7.50	2.60	14.60	14.60		
24	19.45	48.00	4.80	3.60	6.90	27.85	70.00	25.05	8.55	3.60	12.73	12.20		
25	19.80	38.60	46.60	15.67	6.10	25.40	42.60	29.95	8.55	9.80	15.13	9.27		
26	15.13	50.00	28.20	14.33	3.70	31.80	42.20	41.00	25.40	9.00	8.70	7.65		
27	27.85	46.20	14.33	50.00	3.55	20.50	72.50	22.95	19.10	8.85	12.47	7.80		
28	15.40	54.50	28.90	15.93	4.60	15.93	44.20	10.07	14.07	9.53	3.00	7.95		
29	15.13	50.00	11.67	14.87	3.45	35.80	41.00	9.80	16.73	9.00		8.25		
30	18.05	74.50	10.07	17.70	4.50	102.00	41.40	6.30	8.85	5.55		7.80		
31		50.00		15.13	6.60		42.20		6.30	4.65		8.70		
Total	432.37	919.28	437.95	1130.11	366.87	400.57	910.17	579.50	449.17	168.63	237.09	291.32	6323.03	CMSDAY
Mean	14.41	29.65	14.60	36.46	11.83	13.35	29.36	19.32	14.49	5.44	8.47	9.40	17.32	CMS
Max	55.00	74.50	46.60	190.00	58.00	102.00	96.60	41.00	47.00	9.80	15.13	22.25	190.00	CMS
Min	3.30	6.45	3.15	1.20	3.30	1.15	3.45	3.60	3.45	2.60	2.20	2.20	1.15	CMS
Runoff	37.36	79.43	37.84	97.64	31.70	34.61	78.64	50.07	38.81	14.57	20.48	25.17	546.31	MCM
Momentary Peak	278.00 CMS. at 4.80 m. (MSL.) at 15.00 Hours , on Jul 10, 2022													
Runoff Yield	75.65	Liters/Second/Square KM.		Momentary Peak Yield		1213.97	Liters/Second/Square KM.							

WATER YEAR : 2022**PENINSULA - WEST COAST****Khlong Kra Buri at Ban Bang Nam Chud , Ranong (X.207)**

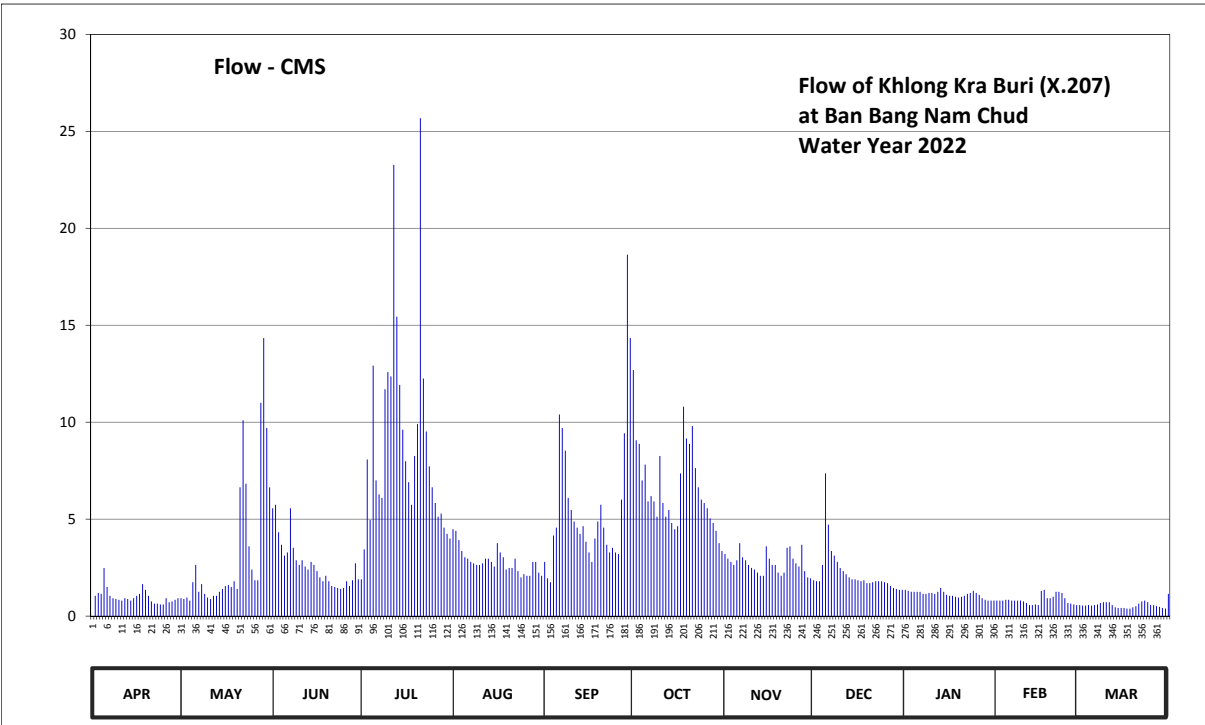
Lat 10 - 24 - 00 N Long 98 - 47 - 11 E

Location : on left bank at the bridge.

	Ban	Bang Nam Chud	Amphoe	Kra buri	Changwat	Ranong
Drainge Area	45	sq.km.				
Type of Gage	Staff gage.					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	on righth bank at the bridge of downstream.				Elevation	+6.407 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic means of 5 readings					
Period of Available Gage Records	2021 to date.					
Rating Operation						
Period of Rating	2021 to date.					
Rated by Float	-					
Rated by Current Meter	2021 to date.					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 5.100 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 24 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1		1.78	2.44	1.98	2.31	2.10	3.19	2.15	1.97	1.87	1.75	1.69	
2	1.81	1.77	2.46	2.18	2.30	1.99	2.83	2.12	1.96	1.86	1.75	1.68	
3	1.84	1.79	2.29	2.72	2.24	1.95	2.81	2.10	1.96	1.85	1.75	1.68	
4	1.83	1.75	2.21	2.37	2.17	2.27	2.60	2.08	2.08	1.85	1.76	1.69	
5	2.06	1.95	2.14	3.21	2.13	2.32	2.69	2.11	2.64	1.85	1.76	1.68	
6	1.90	2.08	2.16	2.60	2.12	2.97	2.48	2.22	2.34	1.85	1.75	1.69	
7	1.81	1.85	2.44	2.52	2.10	2.90	2.51	2.13	2.17	1.83	1.75	1.70	
8	1.78	1.93	2.19	2.50	2.09	2.77	2.48	2.11	2.14	1.83	1.75	1.72	
9	1.77	1.83	2.11	3.10	2.08	2.50	2.39	2.08	2.10	1.84	1.75	1.73	
10	1.76	1.79	2.08	3.18	2.08	2.43	2.74	2.06	2.06	1.84	1.74	1.73	
11	1.75	1.77	2.11	3.16	2.09	2.36	2.47	2.05	2.04	1.83	1.72	1.73	
12	1.78	1.81	2.07	4.09	2.12	2.32	2.39	2.03	2.02	1.85	1.69	1.69	
13	1.77	1.81	2.05	3.44	2.12	2.28	2.43	2.01	2.00	1.89	1.69	1.65	
14	1.75	1.85	2.10	3.12	2.10	2.33	2.35	2.01	1.98	1.85	1.70	1.64	
15	1.78	1.88	2.08	2.89	2.07	2.23	2.31	2.20	1.98	1.82	1.69	1.64	
16	1.81	1.91	2.04	2.71	2.22	2.16	2.33	2.12	1.97	1.81	1.86	1.64	
17	1.83	1.92	2.00	2.59	2.16	2.10	2.64	2.08	1.96	1.81	1.87	1.63	
18	1.93	1.90	1.96	2.46	2.13	2.25	3.01	2.08	1.97	1.80	1.78	1.63	
19	1.87	1.96	2.01	2.74	2.05	2.36	2.84	2.03	1.94	1.79	1.78	1.65	
20	1.81	1.88	1.96	2.92	2.06	2.46	2.81	2.01	1.94	1.80	1.80	1.67	
21	1.74	2.56	1.91	4.27	2.06	2.32	2.91	2.03	1.95	1.81	1.85	1.71	
22	1.71	2.94	1.90	3.15	2.12	2.21	2.67	2.19	1.96	1.83	1.85	1.74	
23	1.71	2.58	1.89	2.88	2.04	2.16	2.56	2.20	1.96	1.84	1.84	1.75	
24	1.70	2.20	1.88	2.68	2.00	2.19	2.49	2.12	1.96	1.86	1.78	1.73	
25	1.70	2.05	1.89	2.56	2.02	2.16	2.47	2.09	1.95	1.84	1.72	1.69	
26	1.78	1.97	1.96	2.47	2.01	2.15	2.44	2.07	1.94	1.82	1.71	1.69	
27	1.73	1.97	1.91	2.39	2.01	2.49	2.38	2.21	1.91	1.78	1.70	1.67	
28	1.74	3.03	1.97	2.41	2.10	2.87	2.35	2.04	1.89	1.76	1.69	1.66	
29	1.76	3.34	2.09	2.32	2.10	3.72	2.30	2.00	1.88	1.75		1.64	
30	1.78	2.90	1.98	2.28	2.03	3.34	2.22	1.99	1.87	1.75		1.63	
31		2.56		2.25	2.01		2.17		1.87	1.75		1.83	
Mean	1.79	2.11	2.08	2.78	2.10	2.42	2.56	2.09	2.01	1.82	1.76	1.69	
Max	2.06	3.34	2.46	4.27	2.31	3.72	3.19	2.22	2.64	1.89	1.87	1.83	4.27
Min	1.70	1.75	1.88	1.98	2.00	1.95	2.17	1.99	1.87	1.75	1.69	1.63	1.63
Annual Max Momentary Gage Height	5.40		m. (MSL.) ,			at 02.00 Hours , on Jul 21, 2022							
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	1.50	m. (MSL.)					
Left Bank Elevation		5.26	m. (MSL.) ,										
Right Bank Elevation		5.09	m. (MSL.) ,			Drainage Are	45	Square Kilometers					

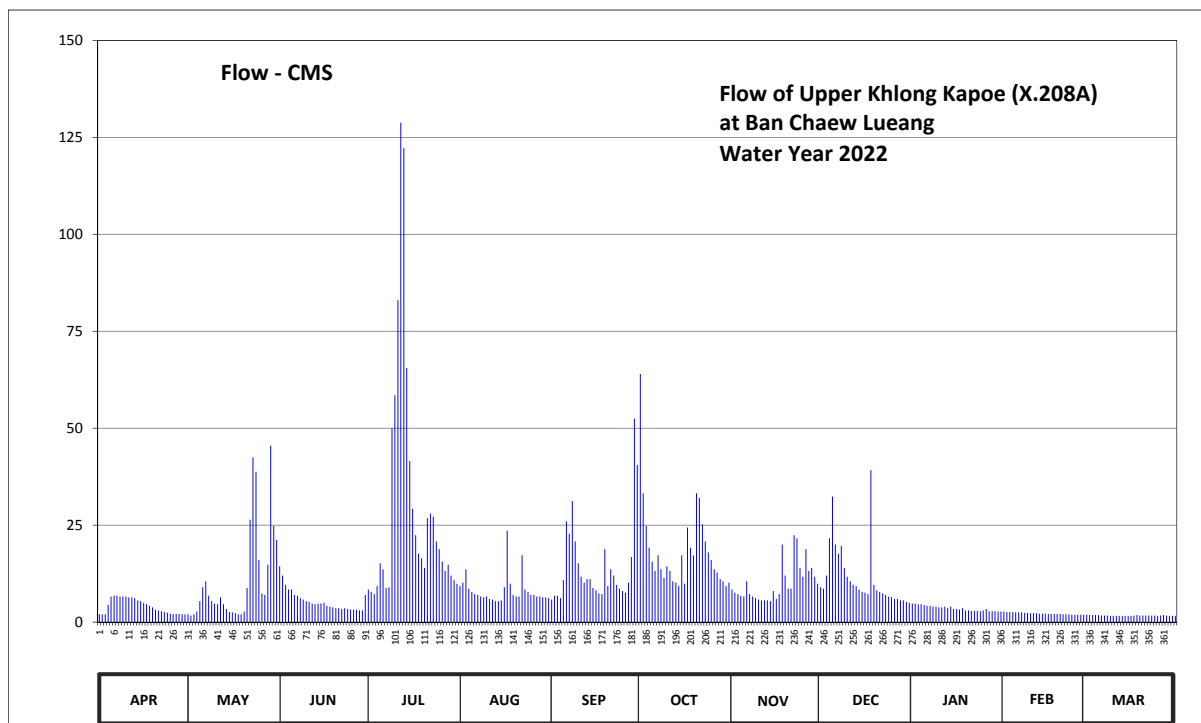


Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1		0.92	5.56	1.90	4.48	2.80	12.69	3.20	1.85	1.35	0.80	0.57	
2	1.05	0.88	5.74	3.44	4.40	1.95	9.07	2.96	1.80	1.30	0.80	0.54	
3	1.20	0.96	4.32	8.08	3.92	1.75	8.89	2.80	1.80	1.25	0.80	0.54	
4	1.15	0.80	3.68	4.96	3.36	4.16	7.00	2.64	2.64	1.25	0.84	0.57	
5	2.48	1.75	3.12	12.91	3.04	4.56	7.81	2.88	7.36	1.25	0.84	0.54	
6	1.50	2.64	3.28	7.00	2.96	10.40	5.92	3.76	4.72	1.25	0.80	0.57	
7	1.05	1.25	5.56	6.28	2.80	9.70	6.19	3.04	3.36	1.15	0.80	0.60	
8	0.92	1.65	3.52	6.10	2.72	8.53	5.92	2.88	3.12	1.15	0.80	0.68	
9	0.88	1.15	2.88	11.70	2.64	6.10	5.12	2.64	2.80	1.20	0.80	0.72	
10	0.84	0.96	2.64	12.58	2.64	5.47	8.26	2.48	2.48	1.20	0.76	0.72	
11	0.80	0.88	2.88	12.36	2.72	4.88	5.83	2.40	2.32	1.15	0.68	0.72	
12	0.92	1.05	2.56	23.27	2.96	4.56	5.12	2.24	2.16	1.25	0.57	0.57	
13	0.88	1.05	2.40	15.44	2.96	4.24	5.47	2.08	2.00	1.45	0.57	0.45	
14	0.80	1.25	2.80	11.92	2.80	4.64	4.80	2.08	1.90	1.25	0.60	0.42	
15	0.92	1.40	2.64	9.61	2.56	3.84	4.48	3.60	1.90	1.10	0.57	0.42	
16	1.05	1.55	2.32	7.99	3.76	3.28	4.64	2.96	1.85	1.05	1.30	0.42	
17	1.15	1.60	2.00	6.91	3.28	2.80	7.36	2.64	1.80	1.05	1.35	0.39	
18	1.65	1.50	1.80	5.74	3.04	4.00	10.80	2.64	1.85	1.00	0.92	0.39	
19	1.35	1.80	2.08	8.26	2.40	4.88	9.16	2.24	1.70	0.96	0.92	0.45	
20	1.05	1.40	1.80	9.90	2.48	5.74	8.89	2.08	1.70	1.00	1.00	0.51	
21	0.76	6.64	1.55	25.68	2.48	4.56	9.80	2.24	1.75	1.05	1.25	0.64	
22	0.64	10.10	1.50	12.25	2.96	3.68	7.63	3.52	1.80	1.15	1.25	0.76	
23	0.64	6.82	1.45	9.52	2.32	3.28	6.64	3.60	1.80	1.20	1.20	0.80	
24	0.60	3.60	1.40	7.72	2.00	3.52	6.01	2.96	1.80	1.30	0.92	0.72	
25	0.60	2.40	1.45	6.64	2.16	3.28	5.83	2.72	1.75	1.20	0.68	0.57	
26	0.92	1.85	1.80	5.83	2.08	3.20	5.56	2.56	1.70	1.10	0.64	0.57	
27	0.72	1.85	1.55	5.12	2.08	6.01	5.04	3.68	1.55	0.92	0.60	0.51	
28	0.76	11.00	1.85	5.29	2.80	9.43	4.80	2.32	1.45	0.84	0.57	0.48	
29	0.84	14.34	2.72	4.56	2.80	18.64	4.40	2.00	1.40	0.80		0.42	
30	0.92	9.70	1.90	4.24	2.24	14.34	3.76	1.95	1.35	0.80		0.39	
31		6.64		4.00	2.08		3.36		1.35	0.80		1.15	
Total	29.04	101.38	80.75	277.20	87.92	168.22	206.25	81.79	68.81	34.77	23.63	17.80	1177.56 CMSDAY
Mean	1.00	3.27	2.69	8.94	2.84	5.61	6.65	2.73	2.22	1.12	0.84	0.57	3.24 CMS
Max	2.48	14.34	5.74	25.68	4.48	18.64	12.69	3.76	7.36	1.45	1.35	1.15	25.68 CMS
Min	0.60	0.80	1.40	1.90	2.00	1.75	3.36	1.95	1.35	0.80	0.57	0.39	0.39 CMS
Runoff	2.51	8.76	6.98	23.95	7.60	14.53	17.82	7.07	5.95	3.00	2.04	1.54	101.74 MCM
Momentary Peak	48.80 CMS. at 5.40 m. (MSL.) at 02.00 Hours , on Jul 21, 2022												
Runoff Yield	71.69	Liters/Second/Square KM.		Momentary Peak Yield		1084.44	Liters/Second/Square KM.						

Lat 09 - 35 - 23 N Long 98 - 37 - 59 E

	Ban	Chaew Lueang	Amphoe	Kapoe	Changwat	Ranong
Drainage Area	189	sq.km.				
Type of Gage	Staff gage.					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On the bridge over the water.				Elevation	+17.664 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic means of 5 readings					
Period of Available Gage Records	2021 to date.					
Rating Operation						
Period of Rating	2021 to date.					
Rated by Float	-					
Rated by Current Meter	2021 to date.					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 21 discharge measurements made in 2022.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	12.00	12.00	12.56	12.37	12.41	12.24	13.68	12.37	12.40	12.19	12.07	11.99	
2	12.00	11.97	12.50	12.34	12.44	12.29	13.03	12.33	12.38	12.19	12.06	11.99	
3	12.00	12.00	12.42	12.31	12.54	12.29	12.82	12.31	12.50	12.18	12.06	11.98	
4	12.17	12.07	12.37	12.41	12.38	12.26	12.68	12.29	12.74	12.18	12.06	11.98	
5	12.28	12.22	12.37	12.58	12.34	12.46	12.59	12.28	13.01	12.17	12.05	11.98	
6	12.29	12.40	12.30	12.54	12.31	12.85	12.53	12.45	12.70	12.16	12.05	11.97	
7	12.29	12.45	12.29	12.39	12.30	12.77	12.63	12.31	12.64	12.16	12.05	11.97	
8	12.28	12.29	12.26	12.40	12.28	12.98	12.54	12.28	12.69	12.15	12.04	11.97	
9	12.28	12.22	12.24	13.40	12.27	12.72	12.48	12.26	12.55	12.15	12.04	11.96	
10	12.28	12.19	12.22	13.57	12.28	12.58	12.56	12.24	12.49	12.14	12.03	11.96	
11	12.27	12.18	12.21	14.06	12.25	12.49	12.53	12.23	12.45	12.14	12.03	11.96	
12	12.27	12.27	12.19	14.88	12.24	12.44	12.45	12.23	12.42	12.15	12.03	11.96	
13	12.26	12.18	12.18	14.77	12.22	12.47	12.44	12.23	12.41	12.13	12.02	11.96	
14	12.23	12.12	12.19	13.71	12.22	12.47	12.41	12.22	12.37	12.15	12.02	11.96	
15	12.22	12.06	12.19	13.23	12.23	12.39	12.63	12.35	12.34	12.12	12.02	11.96	
16	12.20	12.05	12.20	12.93	12.40	12.36	12.43	12.25	12.33	12.12	12.01	11.96	
17	12.18	12.03	12.16	12.76	12.79	12.32	12.81	12.31	12.31	12.11	12.01	11.97	
18	12.16	12.00	12.15	12.64	12.43	12.31	12.68	12.70	13.18	12.13	12.01	11.98	
19	12.14	12.00	12.14	12.61	12.30	12.67	12.63	12.50	12.42	12.10	12.01	11.97	
20	12.11	12.07	12.13	12.55	12.28	12.41	13.03	12.38	12.36	12.10	12.01	11.97	
21	12.10	12.39	12.13	12.87	12.28	12.54	13.00	12.38	12.34	12.09	12.00	11.97	
22	12.08	12.86	12.12	12.90	12.63	12.50	12.83	12.76	12.32	12.09	12.00	11.97	
23	12.06	13.25	12.13	12.88	12.37	12.42	12.72	12.74	12.30	12.09	12.00	11.97	
24	12.04	13.17	12.12	12.72	12.34	12.38	12.65	12.55	12.28	12.08	11.99	11.97	
25	12.02	12.60	12.11	12.67	12.30	12.35	12.60	12.49	12.27	12.10	11.99	11.96	
26	12.01	12.32	12.11	12.59	12.30	12.33	12.54	12.67	12.25	12.12	11.99	11.97	
27	12.01	12.30	12.11	12.53	12.28	12.44	12.52	12.53	12.25	12.08	11.99	11.98	
28	12.01	12.57	12.10	12.57	12.28	12.62	12.47	12.55	12.23	12.08	11.99	11.97	
29	12.00	13.31	12.10	12.50	12.27	13.45	12.45	12.49	12.23	12.08		11.96	
30	12.00	12.82	12.30	12.46	12.27	13.21	12.41	12.43	12.21	12.07</			



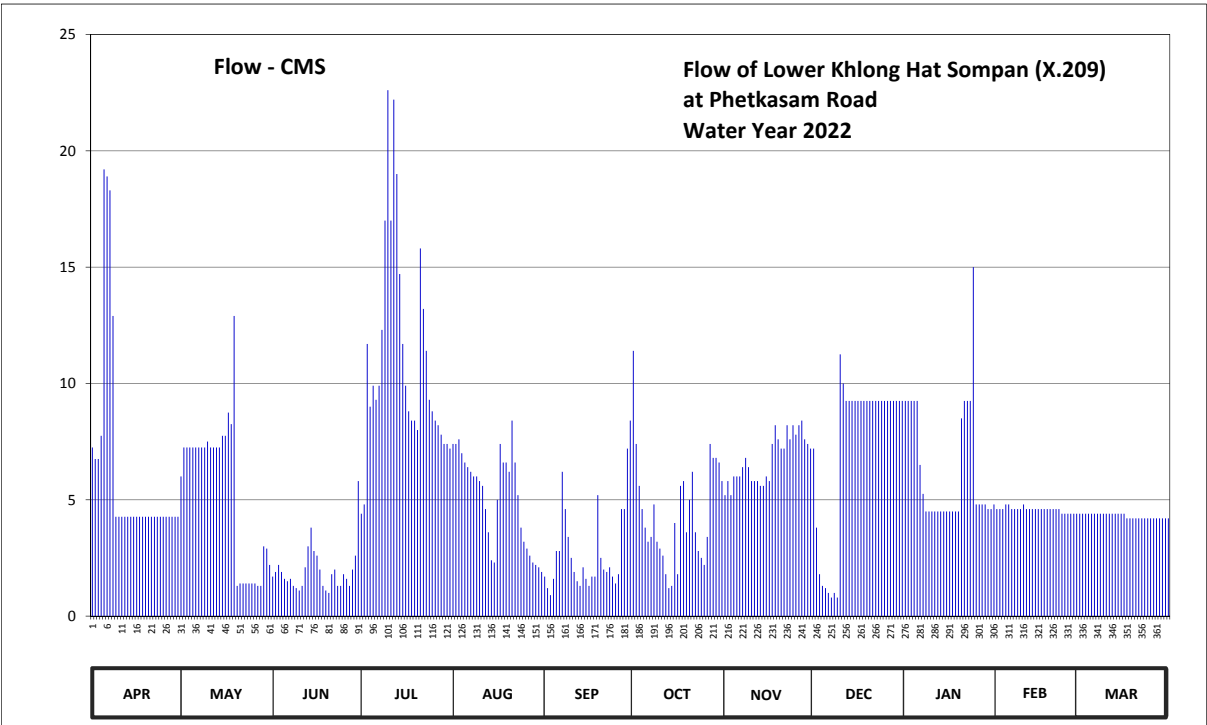
Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.00	2.00	14.40	8.40	9.30	5.80	64.00	8.40	9.00	4.80	2.70	1.90		
2	2.00	1.70	12.00	7.80	10.20	6.80	33.20	7.60	8.60	4.80	2.60	1.90		
3	2.00	2.00	9.60	7.20	13.60	6.80	24.80	7.20	12.00	4.60	2.60	1.80		
4	4.40	2.70	8.40	9.30	8.60	6.20	19.20	6.80	21.60	4.60	2.60	1.80		
5	6.60	5.40	8.40	15.20	7.80	10.80	15.60	6.60	32.40	4.40	2.50	1.80		
6	6.80	9.00	7.00	13.60	7.20	26.00	13.20	10.50	20.00	4.20	2.50	1.70		
7	6.80	10.50	6.80	8.80	7.00	22.80	17.20	7.20	17.60	4.20	2.50	1.70		
8	6.60	6.80	6.20	9.00	6.60	31.20	13.60	6.60	19.60	4.00	2.40	1.70		
9	6.60	5.40	5.80	50.00	6.40	20.80	11.40	6.20	14.00	4.00	2.40	1.60		
10	6.60	4.80	5.40	58.50	6.60	15.20	14.40	5.80	11.70	3.80	2.30	1.60		
11	6.40	4.60	5.20	83.00	6.00	11.70	13.20	5.60	10.50	3.80	2.30	1.60		
12	6.40	6.40	4.80	128.80	5.80	10.20	10.50	5.60	9.60	4.00	2.30	1.60		
13	6.20	4.60	4.60	122.20	5.40	11.10	10.20	5.60	9.30	3.60	2.20	1.60		
14	5.60	3.40	4.80	65.50	5.40	11.10	9.30	5.40	8.40	4.00	2.20	1.60		
15	5.40	2.60	4.80	41.50	5.60	8.80	17.20	8.00	7.80	3.40	2.20	1.60		
16	5.00	2.50	5.00	29.20	9.00	8.20	9.90	6.00	7.60	3.40	2.10	1.60		
17	4.60	2.30	4.20	22.40	23.60	7.40	24.40	7.20	7.20	3.20	2.10	1.70		
18	4.20	2.00	4.00	17.60	9.90	7.20	19.20	20.00	39.20	3.60	2.10	1.80		
19	3.80	2.00	3.80	16.40	7.00	18.80	17.20	12.00	9.60	3.00	2.10	1.70		
20	3.20	2.70	3.60	14.00	6.60	9.30	33.20	8.60	8.20	3.00	2.10	1.70		
21	3.00	8.80	3.60	26.80	6.60	13.60	32.00	8.60	7.80	2.90	2.00	1.70		
22	2.80	26.40	3.40	28.00	17.20	12.00	25.20	22.40	7.40	2.90	2.00	1.70		
23	2.60	42.50	3.60	27.20	8.40	9.60	20.80	21.60	7.00	2.90	2.00	1.70		
24	2.40	38.80	3.40	20.80	7.80	8.60	18.00	14.00	6.60	2.80	1.90	1.70		
25	2.20	16.00	3.20	18.80	7.00	8.00	16.00	11.70	6.40	3.00	1.90	1.60		
26	2.10	7.40	3.20	15.60	7.00	7.60	13.60	18.80	6.00	3.40	1.90	1.70		
27	2.10	7.00	3.20	13.20	6.60	10.20	12.80	13.20	6.00	2.80	1.90	1.80		
28	2.10	14.80	3.00	14.80	6.60	16.80	11.10	14.00	5.60	2.80	1.90	1.70		
29	2.00	45.50	3.00	12.00	6.40	52.50	10.50	11.70	5.60	2.80		1.60		
30	2.00	24.80	7.00	10.80	6.40	40.50	9.30	9.90	5.20	2.70		1.60		
31		21.20		9.90	6.20		10.20		5.00	2.70		1.60		
Total	124.50	336.60	165.40	926.30	253.80	435.60	570.40	302.80	352.50	110.10	62.30	52.40	3692.70	CMSDAY
Mean	4.15	10.86	5.51	29.88	8.19	14.52	18.40	10.09	11.37	3.55	2.23	1.69	10.12	CMS
Max	6.80	45.50	14.40	128.80	23.60	52.50	64.00	22.40	39.20	4.80	2.70	1.90	128.80	CMS
Min	2.00	1.70	3.00	7.20	5.40	5.80	9.30	5.40	5.00	2.70	1.90	1.60	1.60	CMS
Runoff	10.76	29.08	14.29	80.03	21.93	37.64	49.28	26.16	30.46	9.51	5.38	4.53	319.05	MCM
Momentary Peak	CMS. at 15.41 m. (MSL.) at 06.00 Hours , on Jul 13, 2022													
Runoff Yield	53.53 Liters/Second/Square KM.				Momentary Peak Yield 860.85				Liters/Second/Square KM.					

Lat 09 - 57 - 30 N Long 98 - 38 - 55 E

	Ban -	Amphoe	Mueang	Changwat	Ranong
Drainage Area	40	sq.km.			
Type of Gage	Water - stage recorder				
Zero Gage at Bottom	+0.000	m. (MSL.)			
Bench Mark	B.M.-H.D.				
Location BM	On the bridge over the water.			Elevation	+14.555 m. (MSL.)
Gage Reading Frequency	Recording				
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings				
Period of Available Gage Records	2021 to date.				
Rating Operation					
Period of Rating	2021 to date.				
Rated by Float	-				
Rated by Current Meter	2021 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 2022.				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.51	7.46	7.77	7.97	8.12	7.77	8.28	8.01	8.11	7.59	7.98	7.97	
2	7.49	7.51	7.79	7.99	8.12	7.72	8.12	8.04	7.94	7.59	7.98	7.97	
3	7.49	7.51	7.82	8.29	8.13	7.69	8.03	8.01	7.78	7.59	7.98	7.97	
4	7.53	7.51	7.79	8.20	8.10	7.76	7.98	8.05	7.73	7.59	7.99	7.97	
5	7.94	7.51	7.76	8.23	8.08	7.88	7.94	8.05	7.72	7.59	7.99	7.97	
6	7.93	7.51	7.75	8.21	8.07	7.88	7.91	8.05	7.70	7.48	7.98	7.97	
7	7.91	7.51	7.76	8.23	8.06	8.06	7.92	8.07	7.68	7.43	7.98	7.97	
8	7.73	7.51	7.73	8.31	8.05	7.98	7.99	8.09	7.70	7.40	7.98	7.97	
9	7.39	7.51	7.72	8.45	8.05	7.92	7.91	8.07	7.68	7.40	7.98	7.97	
10	7.39	7.52	7.71	8.59	8.04	7.85	7.89	8.04	7.67	7.40	7.99	7.97	
11	7.39	7.51	7.73	8.45	8.03	7.79	7.86	8.04	7.62	7.40	7.98	7.97	
12	7.39	7.51	7.81	8.58	7.98	7.75	7.78	8.04	7.59	7.40	7.98	7.97	
13	7.39	7.51	7.90	8.50	7.93	7.73	7.72	8.03	7.59	7.40	7.98	7.97	
14	7.39	7.51	7.94	8.39	7.84	7.81	7.73	8.03	7.59	7.40	7.98	7.97	
15	7.39	7.53	7.88	8.29	7.83	7.76	7.95	8.05	7.59	7.40	7.98	7.97	
16	7.39	7.53	7.86	8.23	8.00	7.73	7.78	8.04	7.59	7.40	7.98	7.97	
17	7.39	7.57	7.80	8.19	8.12	7.77	8.03	8.12	7.59	7.40	7.98	7.96	
18	7.39	7.55	7.73	8.17	8.08	7.77	8.04	8.16	7.59	7.40	7.98	7.96	
19	7.39	7.73	7.71	8.17	8.08	8.01	7.93	8.13	7.59	7.40	7.98	7.96	
20	7.39	7.73	7.70	8.15	8.06	7.85	8.00	8.11	7.59	7.56	7.98	7.96	
21	7.39	7.74	7.78	8.42	8.17	7.80	8.06	8.11	7.59	7.59	7.98	7.96	
22	7.39	7.74	7.80	8.34	8.08	7.79	7.93	8.16	7.59	7.59	7.98	7.96	
23	7.39	7.74	7.73	8.28	8.01	7.81	7.88	8.13	7.59	7.59	7.97	7.96	
24	7.39	7.74	7.73	8.21	7.94	7.77	7.85	8.16	7.59	7.80	7.97	7.96	
25	7.39	7.74	7.78	8.19	7.91	7.74	7.82	8.14	7.59	7.99	7.97	7.96	
26	7.39	7.74	7.76	8.17	7.89	7.78	7.92	8.16	7.59	7.99	7.97	7.96	
27	7.39	7.73	7.73	8.16	7.86	7.98	8.12	8.17	7.59	7.99	7.97	7.96	
28	7.39	7.73	7.80	8.14	7.83	7.98	8.09	8.13	7.59	7.99	7.97	7.96	
29	7.39	7.90	7.86	8.12	7.82	8.11	8.09	8.12	7.59	7.98		7.96	
30	7.39	7.89	8.04	8.12	7.81	8.17	8.08	8.11	7.59	7.98		7.96	
31		7.82		8.11	7.79		8.04		7.59	7.99		7.96	
Mean	7.47	7.62	7.79	8.25	8.00	7.85	7.96	8.09	7.65	7.60	7.98	7.97	
Max	7.94	7.90	8.04	8.59	8.17	8.17	8.28	8.17	8.11	7.99	7.99	7.97	



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.25	6.00	1.70	4.40	7.40	1.70	11.40	5.20	7.20	9.25	4.60	4.40	
2	6.75	7.25	1.90	4.80	7.40	1.20	7.40	5.80	3.80	9.25	4.60	4.40	
3	6.75	7.25	2.20	11.70	7.60	0.90	5.60	5.20	1.80	9.25	4.60	4.40	
4	7.75	7.25	1.90	9.00	7.00	1.60	4.60	6.00	1.30	9.25	4.80	4.40	
5	19.20	7.25	1.60	9.90	6.60	2.80	3.80	6.00	1.20	9.25	4.80	4.40	
6	18.90	7.25	1.50	9.30	6.40	2.80	3.20	6.00	1.00	6.50	4.60	4.40	
7	18.30	7.25	1.60	9.90	6.20	6.20	3.40	6.40	0.80	5.25	4.60	4.40	
8	12.90	7.25	1.30	12.30	6.00	4.60	4.80	6.80	1.00	4.50	4.60	4.40	
9	4.27	7.25	1.20	17.00	6.00	3.40	3.20	6.40	0.80	4.50	4.60	4.40	
10	4.27	7.50	1.10	22.60	5.80	2.50	2.90	5.80	11.25	4.50	4.80	4.40	
11	4.27	7.25	1.30	17.00	5.60	1.90	2.60	5.80	10.00	4.50	4.60	4.40	
12	4.27	7.25	2.10	22.20	4.60	1.50	1.80	5.80	9.25	4.50	4.60	4.40	
13	4.27	7.25	3.00	19.00	3.60	1.30	1.20	5.60	9.25	4.50	4.60	4.40	
14	4.27	7.25	3.80	14.70	2.40	2.10	1.30	5.60	9.25	4.50	4.60	4.40	
15	4.27	7.75	2.80	11.70	2.30	1.60	4.00	6.00	9.25	4.50	4.60	4.40	
16	4.27	7.75	2.60	9.90	5.00	1.30	1.80	5.80	9.25	4.50	4.60	4.40	
17	4.27	8.75	2.00	8.80	7.40	1.70	5.60	7.40	9.25	4.50	4.60	4.20	
18	4.27	8.25	1.30	8.40	6.60	1.70	5.80	8.20	9.25	4.50	4.60	4.20	
19	4.27	12.90	1.10	8.40	6.60	5.20	3.60	7.60	9.25	4.50	4.60	4.20	
20	4.27	1.30	1.00	8.00	6.20	2.50	5.00	7.20	9.25	8.50	4.60	4.20	
21	4.27	1.40	1.80	15.80	8.40	2.00	6.20	7.20	9.25	9.25	4.60	4.20	
22	4.27	1.40	2.00	13.20	6.60	1.90	3.60	8.20	9.25	9.25	4.60	4.20	
23	4.27	1.40	1.30	11.40	5.20	2.10	2.80	7.60	9.25	9.25	4.40	4.20	
24	4.27	1.40	1.30	9.30	3.80	1.70	2.50	8.20	9.25	15.00	4.40	4.20	
25	4.27	1.40	1.80	8.80	3.20	1.40	2.20	7.80	9.25	4.80	4.40	4.20	
26	4.27	1.40	1.60	8.40	2.90	1.80	3.40	8.20	9.25	4.80	4.40	4.20	
27	4.27	1.30	1.30	8.20	2.60	4.60	7.40	8.40	9.25	4.80	4.40	4.20	
28	4.27	1.30	2.00	7.80	2.30	4.60	6.80	7.60	9.25	4.80	4.40	4.20	
29	4.27	3.00	2.60	7.40	2.20	7.20	6.80	7.40	9.25	4.60		4.20	
30	4.27	2.90	5.80	7.40	2.10	8.40	6.60	7.20	9.25	4.60		4.20	
31		2.20		7.20	1.90		5.80		9.25	4.80		4.20	
Total	191.74	166.30	58.50	343.90	157.90	84.20	137.10	202.40	225.15	196.45	128.20	133.40	2025.24 CMSDAY
Mean	6.39	5.36	1.95	11.09	5.09	2.81	4.42	6.75	7.26	6.34	4.58	4.30	5.55 CMS
Max	19.20	12.90	5.80	22.60	8.40	8.40	11.40	8.40	11.25	15.00	4.80	4.40	22.60 CMS
Min	4.27	1.30	1.00	4.40	1.90	0.90	1.20	5.20	0.80	4.50	4.40	4.20	0.80 CMS
Runoff	16.57	14.37	5.05	29.71	13.64	7.27	11.85	17.49	19.45	16.97	11.08	11.53	174.98 MCM
Momentary Peak	75.40 CMS. at 9.38 m. (MSL.) at 20.00 Hours , on Aug 21, 2022												
Runoff Yield	138.72	Liters/Second/Square KM.		Momentary Peak Yield		1885.00	Liters/Second/Square KM.						

WATER YEAR : 2022**PENINSULA - WEST COAST****Trang River at Ban Klang , Trang (X.228)**

Lat 07 - 38 - 43 N Long 99 - 31 - 57 E

Location : on left bank at Ban Klang.

	Ban Klang	Amphoe Mueang	Changwat Trang
Drainage Area	2,692 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank upstream site at the abutment of the bridge.	Elevation	+12.923 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2003 to date.		
Rating Operation			
Period of Rating	2003 to date.		
Rated by Float	-		
Rated by Current Meter	2003 to date.		
Stability of Channel Regimes	Stable.		
Overbank Flow Conditions	Overbank flow starts at elevation + 7.050 m.(MSL.), records are channel flow only.		
General Description	Records very good. Stage-discharge relation defined by 24 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.57	3.84	5.21	3.93	4.43	3.85	5.54	4.19	4.35	3.58	2.94	2.29	
2	4.16	3.67	4.47	3.55	4.91	4.27	5.79	4.60	4.29	3.49	2.87	2.31	
3	4.97	4.07	4.20	3.44	5.25	4.58	5.39	4.47	5.09	3.40	2.83	2.32	
4	5.13	4.74	3.73	3.27	4.98	4.56	4.84	4.02	5.35	3.34	3.02	2.29	
5	4.66	4.33	3.49	3.95	4.68	4.85	4.48	3.74	5.82	3.31	3.18	2.37	
6	4.71	4.26	3.60	4.58	4.19	4.53	4.83	3.69	6.33	3.30	3.06	2.33	
7	5.19	5.12	3.77	4.72	4.35	3.99	6.12	3.89	6.19	3.27	2.86	2.26	
8	5.50	5.35	4.07	4.44	4.14	3.67	6.88	4.08	5.83	3.22	2.74	2.22	
9	5.48	5.14	3.89	3.83	3.71	3.67	7.11	3.93	5.58	3.21	2.67	2.19	
10	4.96	5.48	3.65	3.78	3.58	3.50	6.86	3.66	5.37	3.17	2.61	2.17	
11	4.24	5.58	4.27	4.02	3.45	3.33	6.51	3.50	5.10	3.22	2.57	2.17	
12	3.78	5.36	4.53	3.85	3.25	3.29	6.07	3.66	4.86	3.28	2.53	2.13	
13	4.08	5.03	4.70	4.34	3.13	3.43	5.27	3.91	4.95	3.41	2.50	2.13	
14	4.67	4.88	4.66	4.49	3.03	4.40	4.77	3.72	5.11	3.62	2.46	2.12	
15	5.28	4.71	4.45	4.40	3.44	4.48	4.47	4.51	4.86	3.39	2.43	2.10	
16	5.19	4.42	4.84	4.42	3.72	3.94	4.72	5.46	4.68	3.28	2.41	2.09	
17	4.75	4.44	4.72	4.66	3.68	3.62	5.86	5.98	4.55	3.07	2.39	2.07	
18	4.27	4.17	4.36	4.42	3.69	3.38	6.64	5.96	5.03	2.92	2.36	2.06	
19	3.95	3.97	3.90	4.06	3.45	3.27	7.41	5.56	7.33	2.87	2.34	2.05	
20	3.72	3.72	3.52	3.71	3.20	3.09	8.07	4.94	7.99	2.83	2.32	2.05	
21	3.51	3.63	3.62	3.98	3.16	2.98	8.16	4.49	7.99	2.84	2.33	2.03	
22	3.32	3.63	3.86	4.32	3.93	2.88	7.86	4.40	7.70	2.82	2.43	2.03	
23	3.16	3.56	4.08	4.40	4.27	3.00	7.27	5.19	7.23	2.79	2.40	2.02	
24	3.04	3.34	4.02	4.40	4.20	3.14	6.35	6.63	6.37	2.77	2.38	2.02	
25	2.91	3.17	4.12	4.27	3.91	3.03	5.64	7.53	5.43	2.79	2.32	2.01	
26	2.82	3.09	3.88	4.39	4.12	2.95	5.30	7.68	4.80	3.38	2.28	1.98	
27	2.91	2.99	3.65	5.01	4.74	2.84	5.12	7.14	4.38	3.82	2.26	1.97	
28	2.93	2.91	3.46	5.68	4.61	2.85	5.15	5.96	4.13	3.57	2.27	1.95	
29	2.91	3.28	3.44	5.92	3.89	3.48	4.68	5.47	3.94	3.20		1.94	
30	3.36	5.01	3.49	5.67	3.45	4.33	4.28	4.98	3.80	3.06		1.92	
31		5.55		4.87	3.41		4.07		3.68	3.00		1.92	
Mean	4.10	4.27	4.06	4.35	3.93	3.64	5.86	4.90	5.42	3.20	2.56	2.11	
Max	5.50	5.58	5.21	5.92	5.25	4.85	8.16	7.68	7.99	3.82	3.18	2.37	8.16
Min	2.82	2.91	3.44	3.27	3.03	2.84	4.07	3.50	3.68	2.77	2.26	1.92	1.92
Annual Max Momentary Gage Height	8.22		m. (MSL.) ,			at 03.00 Hours , on Oct 21, 2022							
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	0.42	m. (MSL.)					
Left Bank Elevation		9.00	m. (MSL.) ,										
Right Bank Elevation		7.04	m. (MSL.) ,			Drainage Are	2,692	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	65.50	79.00	160.70	83.50	111.80	79.50	183.80	97.40	107.00	66.00	38.60	18.25	
2	95.60	70.50	114.20	64.50	140.60	102.20	202.20	122.00	103.40	61.50	35.80	18.75	
3	144.20	90.50	98.00	59.00	163.50	120.80	173.30	114.20	152.30	57.00	34.20	19.00	
4	155.10	130.40	73.50	51.80	144.80	119.60	136.40	88.00	170.50	54.60	41.80	18.25	
5	125.60	105.80	61.50	84.50	126.80	137.00	114.80	74.00	204.60	53.40	48.20	20.25	
6	128.60	101.60	67.00	120.80	97.40	117.80	135.80	71.50	245.40	53.00	43.40	19.25	
7	159.30	154.40	75.50	129.20	107.00	86.50	228.60	81.50	234.20	51.80	35.40	17.50	
8	181.00	170.50	90.50	112.40	94.40	70.50	290.20	91.00	205.40	49.80	31.20	16.50	
9	179.60	155.80	81.50	78.50	72.50	70.50	310.90	83.50	186.60	49.40	29.10	15.80	
10	143.60	179.60	69.50	76.00	66.00	62.00	288.40	70.00	171.90	47.80	27.30	15.40	
11	100.40	186.60	102.20	88.00	59.50	54.20	259.80	62.00	153.00	49.80	26.10	15.40	
12	76.00	171.20	117.80	79.50	51.00	52.60	224.60	70.00	137.60	52.20	24.90	14.60	
13	91.00	148.10	128.00	106.40	46.20	58.50	164.90	82.50	143.00	57.50	24.00	14.60	
14	126.20	138.80	125.60	115.40	42.20	110.00	132.20	73.00	153.70	68.00	22.80	14.40	
15	165.60	128.60	113.00	110.00	59.00	114.80	114.20	116.60	137.60	56.60	21.90	14.00	
16	159.30	111.20	136.40	111.20	73.00	84.00	129.20	178.20	126.80	52.20	21.30	13.80	
17	131.00	112.40	129.20	125.60	71.00	68.00	207.80	217.40	119.00	43.80	20.75	13.40	
18	102.20	96.20	107.60	111.20	71.50	56.20	270.20	215.80	148.10	37.80	20.00	13.20	
19	84.50	85.50	82.00	90.00	59.50	51.80	337.90	185.20	330.70	35.80	19.50	13.00	
20	73.00	73.00	63.00	72.50	49.00	44.60	399.70	142.40	391.00	34.20	19.00	13.00	
21	62.50	68.50	68.00	86.00	47.40	40.20	409.60	115.40	391.00	34.60	19.25	12.60	
22	53.80	68.50	80.00	105.20	83.50	36.20	378.40	110.00	364.00	33.80	21.90	12.60	
23	47.40	65.00	91.00	110.00	102.20	41.00	325.30	159.30	321.70	32.70	21.00	12.40	
24	42.60	54.60	88.00	110.00	98.00	46.60	247.00	269.40	248.60	32.10	20.50	12.40	
25	37.40	47.80	93.20	102.20	82.50	42.20	190.80	348.70	176.10	32.70	19.00	12.20	
26	33.80	44.60	81.00	109.40	93.20	39.00	167.00	362.20	134.00	56.20	18.00	11.60	
27	37.40	40.60	69.50	146.70	130.40	34.60	154.40	313.60	108.80	78.00	17.50	11.40	
28	38.20	37.40	60.00	193.60	122.60	35.00	156.50	215.80	93.80	65.50	17.75	11.00	
29	37.40	52.20	59.00	212.60	81.50	61.00	126.80	178.90	8				

WATER YEAR : 2022**PENINSULA - WEST COAST****Lower Trang River at Ban Sai Han , Trang (X.233)**

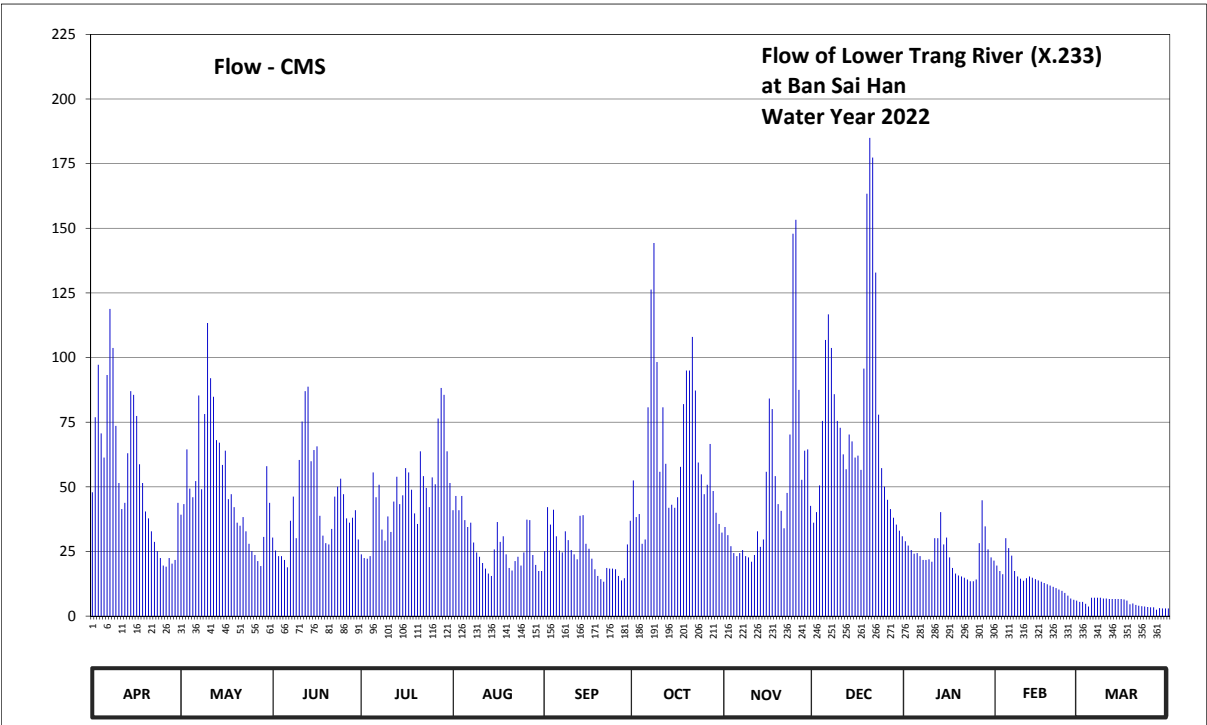
Lat 07 - 54 - 27 N Long 99 - 32 - 33 E

Location : on left bank at BanSai Han.

	Ban	Ban Sai Han	Amphoe	Huai Yot	Changwat	Trang
Drainge Area	940	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the gage site.				Elevation	+23.398 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2004 to date					
Rating Operation						
Period of Rating	2004 to date					
Rated by Float	-					
Rated by Current Meter	2004 to date					
Stability of Channel Regimes	Stable by some scouring.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 22 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	15.35	14.99	14.62	14.35	15.06	14.40	15.54	14.79	14.86	14.56	14.17	13.40	
2	16.56	15.16	14.41	14.29	15.29	15.11	14.95	14.66	15.03	14.49	14.08	13.40	
3	17.39	16.04	14.32	14.28	15.06	14.83	15.00	14.48	15.46	14.42	14.03	13.35	
4	16.30	15.41	14.32	14.32	15.29	15.07	14.52	14.37	16.50	14.36	14.61	13.28	
5	15.91	15.27	14.26	15.67	14.90	14.64	14.59	14.32	17.76	14.37	14.45	13.50	
6	17.23	15.53	14.14	15.27	14.79	14.41	16.72	14.37	18.09	14.32	14.33	13.50	
7	18.16	16.91	14.89	15.47	14.86	14.38	18.41	14.42	17.65	14.26	14.08	13.50	
8	17.65	15.40	15.28	14.75	14.54	14.72	19.01	14.32	16.93	14.26	13.99	13.50	
9	16.42	16.61	14.61	14.57	14.38	14.58	17.43	14.30	16.50	14.27	13.94	13.48	
10	15.50	17.98	15.87	14.96	14.31	14.42	15.68	14.23	16.39	14.23	13.89	13.48	
11	15.08	17.18	16.49	14.71	14.21	14.35	16.72	14.34	15.96	14.61	13.95	13.47	
12	15.18	16.89	16.98	15.20	14.12	14.27	15.81	14.72	15.72	14.61	13.99	13.47	
13	15.98	16.19	17.05	15.60	14.04	14.97	15.10	14.47	16.28	15.03	13.96	13.47	
14	16.98	16.15	15.85	15.16	14.00	14.98	15.15	14.59	16.17	14.51	13.93	13.47	
15	16.92	15.79	16.03	15.30	14.43	14.52	15.10	15.68	15.91	14.62	13.90	13.47	
16	16.58	16.02	16.09	15.74	14.87	14.44	15.27	16.86	15.94	14.30	13.87	13.46	
17	15.80	15.24	14.97	15.67	14.55	14.28	15.76	16.69	15.71	14.13	13.84	13.43	
18	15.50	15.32	14.65	15.39	14.64	14.11	16.77	15.61	17.33	14.04	13.81	13.34	
19	15.04	15.11	14.53	15.01	14.35	14.00	17.30	15.16	19.61	14.01	13.78	13.36	
20	14.93	14.86	14.51	14.84	14.13	13.93	17.30	15.05	20.15	13.99	13.75	13.32	
21	14.72	14.81	14.76	16.01	14.09	13.87	17.80	14.77	19.96	13.96	13.72	13.30	
22	14.55	14.95	15.28	15.61	14.24	14.13	16.99	15.34	18.63	13.92	13.69	13.29	
23	14.40	14.72	15.44	15.42	14.31	14.12	15.83	16.28	16.60	13.88	13.66	13.28	
24	14.29	14.52	15.57	15.11	14.17	14.12	15.64	19.13	15.74	13.88	13.61	13.27	
25	14.17	14.40	15.32	15.59	14.38	14.11	15.32	19.31	15.44	13.92	13.55	13.26	
26	14.15	14.34	14.93	15.48	14.91	14.00	15.47	17.00	15.23	14.53	13.48	13.26	
27	14.29	14.24	14.86	16.54	14.90	13.90	16.13	15.55	15.08	15.22	13.45	13.20	
28	14.20	14.16	14.94	17.03	14.34	13.95	15.37	16.02	14.94	14.80	13.43	13.24	
29	14.26	14.63	15.06	16.92	14.18	14.51	15.02	16.04	14.83	14.43		13.23	
30	15.18	15.77	14.59	16.01	14.08	14.89	14.84	15.13	14.73	14.30		13.23	
31		15.18		15.50	14.08		14.70		14.64	14.25		13.23	
Mean	15.62	15.48	15.15	15.35	14.50	14.40	15.98	15.40	16.44	14.34	13.89	13.37	
Max	18.16	17.98	17.05	17.03	15.29	15.11	19.01	19.31	20.15	15.22	14.61	13.50	20.15
Min	14.15	14.16	14.14	14.28	14.00	13.87	14.52	14.23	14.64	13.88	13.43	13.20	13.20
Annual Max Momentary Gage Height	20.20		m. (MSL.) ,				at 20.00 Hours , on Dec 20, 2022						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	12.59	m. (MSL.)					
Left Bank Elevation		21.74		m. (MSL.) ,									
Right Bank Elevation		21.13		m. (MSL.) ,		Drainage Are	940	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	47.90	39.26	30.38	23.90	40.94	25.10	52.46	34.46	36.14	28.94	19.58	5.50		
2	76.94	43.34	25.34	22.46	46.46	42.14	38.30	31.34	40.22	27.26	17.42	5.50		
3	97.25	64.46	23.18	22.22	40.94	35.42	39.50	27.02	50.54	25.58	16.22	4.75		
4	70.70	49.34	23.18	23.18	46.46	41.18	27.98	24.38	75.50	24.14	30.14	3.70		
5	61.34	45.98	21.74	55.58	37.10	30.86	29.66	23.18	106.80	24.38	26.30	7.10		
6	93.25	52.22	18.86	45.98	34.46	25.34	80.78	24.38	116.70	23.18	23.42	7.10		
7	118.80	85.34	36.86	50.78	36.14	24.62	126.30	25.58	103.75	21.74	17.42	7.10		
8	103.75	49.10	46.22	33.50	28.46	32.78	144.30	23.18	85.82	21.74	15.33	7.10		
9	73.58	78.14	30.14	29.18	24.62	29.42	98.25	22.70	75.50	21.98	14.49	6.78		
10	51.50	113.40	60.38	38.54	22.94	25.58	55.82	21.02	72.86	21.02	13.65	6.78		
11	41.42	92.00	75.26	32.54	20.54	23.90	80.78	23.66	62.54	30.14	14.66	6.62		
12	43.82	84.86	87.02	44.30	18.38	21.98	58.94	32.78	56.78	30.14	15.33	6.62		
13	63.02	68.06	88.75	53.90	16.46	38.78	41.90	26.78	70.22	40.22	14.83	6.62		
14	87.02	67.10	59.90	43.34	15.50	39.02	43.10	29.66	67.58	27.74	14.32	6.62		
15	85.58	58.46	64.22	46.70	25.82	27.98	41.90	55.82	61.34	30.38	13.82	6.62		
16	77.42	63.98	65.66	57.26	36.38	26.06	45.98	84.14	62.06	22.70	13.32	6.46		
17	58.70	45.26	38.78	55.58	28.70	22.22	57.74	80.06	56.54	18.62	12.81	5.98		
18	51.50	47.18	31.10	48.86	30.86	18.14	81.98	54.14	95.75	16.46	12.31	4.60		
19	40.46	42.14	28.22	39.74	23.90	15.50	95.00	43.34	163.40	15.74	11.80	4.90		
20	37.82	36.14	27.74	35.66	18.62	14.32	95.00	40.70	185.00	15.33	11.30	4.30		
21	32.78	34.94	33.74	63.74	17.66	13.32	108.00	33.98	177.40	14.83	10.80	4.00		
22	28.70	38.30	46.22	54.14	21.26	18.62	87.26	47.66	132.90	14.16	10.29	3.85		
23	25.10	32.78	50.06	49.58	22.94	18.38	59.42	70.22	77.90	13.48	9.79	3.70		
24	22.46	27.98	53.18	42.14	19.58	18.38	54.86	147.90	57.26	13.48	8.95	3.55		
25	19.58	25.10	47.18	53.66	24.62	18.14	47.18	153.30	50.06	14.16	7.94	3.40		
26	19.10	23.66	37.82	51.02	37.34	15.50	50.78	87.50	45.02	28.22	6.78	3.40		
27	22.46	21.26	36.14	76.46	37.10	13.82	66.62	52.70	41.42	44.78	6.30	2.50		
28	20.30	19.34	38.06	88.25	23.66	14.66	48.38	63.98	38.06	34.70	5.98	3.10		
29	21.74	30.62	40.94	85.58	19.82	27.74	39.98	64.46	35.42	25.82		2.95		
30	43.82	57.98	29.66	63.74	17.42	36.86	35.66	42.62	33.02	22.70		2.95		
31		43.82		51.50	17.42		32.30		30.86	21.50		2.95		
Total	1637.81	1581.54	1295.93	1483.01	852.50	755.76	1966.11	1492.64	2364.36	735.26	395.30	157.10	14717.32	CMSDAY
Mean	54.59	51.02	43.20	47.84	27.50	25.19	63.42	49.75	76.27	23.72	14.12	5.07	40.32	CMS
Max	118.80	113.40	88.75	88.25	46.46	42.14	144.30	153.30	185.00	44.78	30.14	7.10	185.00	CMS
Min	19.10	19.34	18.86	22.22	15.50	13.32	27.98	21.02	30.86	13.48	5.98	2.50	2.50	CMS
Runoff	141.51	136.65	111.97	128.13	73.66	65.30	169.87	128.96	204.28	63.53	34.15	13.57	1271.58	MCM
Momentary Peak	187.00 CMS. at 20.20 m. (MSL.) at 20.00 Hours , on Dec 20, 2022													
Runoff Yield	42.90	Liters/Second/Square KM.			Momentary Peak Yield			198.94	Liters/Second/Square KM.					

WATER YEAR : 2022**PENINSULA - WEST COAST****Lower Trang River at Ban Pa Mak , Trang (X.234)**

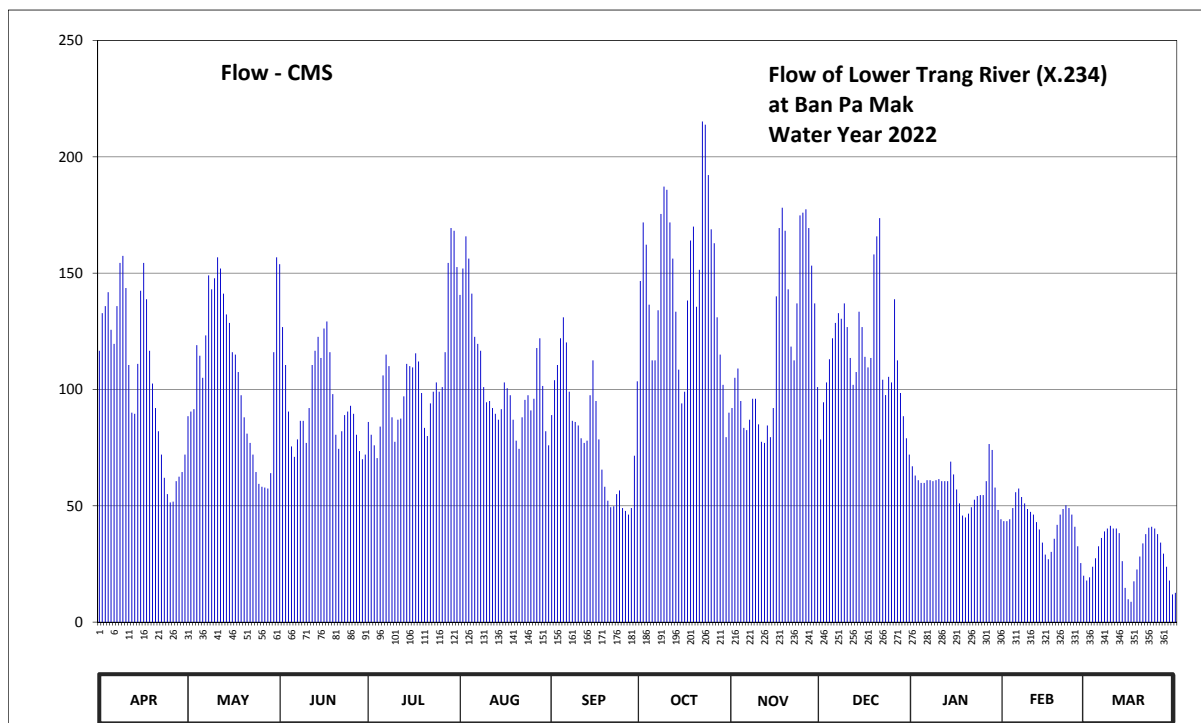
Lat 07 - 35 - 20 N Long 99 - 34 - 37 E

Location : on left bank at Ban Pa Mak.

	Ban Pa Mak	Amphoe Mueang	Changwat Trang
Drainage Area	2,802 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	10 meters from the bridge on the left.	Elevation	+8.281 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2004 to date.		
Rating Operation			
Period of Rating	2004 to date.		
Rated by Float	-		
Rated by Current Meter	2004 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 20 discharge measurements made in 2022.		

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.41	1.85	3.03	1.80	2.81	1.86	2.91	1.92	1.65	1.42	0.86	0.21	
2	2.68	1.89	2.58	1.69	3.00	2.16	3.33	2.18	1.97	1.34	0.86	0.25	
3	2.73	1.91	2.29	1.60	3.23	2.29	3.17	2.26	2.14	1.30	0.88	0.37	
4	2.83	2.45	1.89	1.49	3.07	2.50	2.74	1.98	2.34	1.27	1.00	0.46	
5	2.56	2.37	1.59	1.76	2.82	2.65	2.33	1.75	2.50	1.27	1.17	0.59	
6	2.46	2.18	1.50	2.20	2.51	2.47	2.33	1.73	2.61	1.30	1.21	0.68	
7	2.73	2.52	1.65	2.38	2.46	2.06	2.70	1.82	2.68	1.30	1.12	0.75	
8	3.04	2.95	1.81	2.28	2.41	1.81	3.39	2.00	2.64	1.29	1.05	0.78	
9	3.09	2.85	1.81	1.84	2.10	1.80	3.56	2.00	2.75	1.30	0.99	0.81	
10	2.86	2.93	1.62	1.63	1.97	1.77	3.54	1.78	2.58	1.31	0.96	0.78	
11	2.29	3.08	1.92	1.82	1.98	1.66	3.33	1.63	2.35	1.29	0.93	0.78	
12	1.88	3.00	2.29	1.83	1.92	1.62	3.07	1.62	2.12	1.29	0.85	0.73	
13	1.87	2.82	2.41	2.02	1.87	1.64	2.69	1.77	2.23	1.29	0.77	0.43	
14	2.30	2.67	2.51	2.30	1.82	2.03	2.25	1.67	2.69	1.46	0.63	0.12	
15	2.84	2.61	2.35	2.28	1.91	2.33	1.96	1.92	2.58	1.35	0.50	-0.02	
16	3.04	2.40	2.57	2.27	2.14	1.98	2.06	2.80	2.36	1.20	0.45	-0.05	
17	2.78	2.38	2.62	2.39	2.09	1.65	2.77	3.29	2.27	1.05	0.53	0.20	
18	2.41	2.23	2.40	2.32	2.03	1.39	3.20	3.43	2.35	0.92	0.67	0.34	
19	2.13	2.03	2.04	2.05	1.82	1.23	3.30	3.27	3.10	0.90	0.82	0.48	
20	1.92	1.84	1.69	1.75	1.64	1.08	3.78	2.85	3.23	0.94	0.93	0.62	
21	1.72	1.70	1.57	1.68	1.57	1.01	3.96	2.44	3.36	1.01	0.99	0.72	
22	1.52	1.62	1.72	1.96	1.84	1.02	3.96	2.33	3.32	1.09	1.03	0.79	
23	1.32	1.52	1.86	2.06	1.99	1.15	3.94	2.75	3.21	1.13	1.00	0.80	
24	1.15	1.37	1.89	2.14	2.03	1.19	3.63	3.38	3.34	1.14	0.93	0.78	
25	1.06	1.26	1.94	2.06	1.90	1.00	3.28	3.40	3.30	1.14	0.80	0.72	
26	1.07	1.23	1.87	2.10	2.00	0.97	3.18	3.42	2.78	1.29	0.59	0.63	
27	1.29	1.22	1.69	2.40	2.43	0.93	2.65	3.29	2.33	1.61	0.41	0.51	
28	1.33	1.21	1.55	3.04	2.50	1.00	2.38	3.02	2.05	1.56	0.27	0.37	
29	1.37	1.36	1.48	3.29	2.11	1.51	2.12	2.75	1.85	1.22		0.21	
30	1.52	2.40	1.52	3.27	1.72	2.15	1.67	2.10	1.66	0.98		0.04	
31		3.08		3.01	1.60		1.88		1.52	0.88		0.06	
Mean	2.14	2.16	1.99	2.15	2.17	1.66	2.94	2.42	2.51	1.22	0.83	0.48	
Max	3.09	3.08	3.03	3.29	3.23	2.65	3.96	3.43	3.36	1.61	1.21	0.81	3.96
Min	1.06	1.21	1.48	1.49	1.57	0.93	1.67	1.62	1.52	0.88	0.27	-0.05	-0.05
Annual Max Momentary Gage Height	4.02		m. (MSL.) ,				at 21.00 Hours , on Oct 22, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	-1.52	m. (MSL.)					
Left Bank Elevation		6.39	m. (MSL.) ,										
Right Bank Elevation		4.95	m. (MSL.) ,			Drainage Are	2,802	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	116.60	88.50	153.80	86.00	140.60	89.00	146.60	92.00	78.50	67.00	43.40	17.85		
2	132.80	90.50	126.80	80.50	152.00	104.00	171.80	105.00	94.50	63.00	43.40	19.25		
3	135.80	91.50	110.50	76.00	165.80	110.50	162.20	109.00	103.00	61.00	44.20	23.80		
4	141.80	119.00	90.50	70.50	156.20	122.00	136.40	95.00	113.00	59.80	49.00	27.40		
5	125.60	114.50	75.50	84.00	141.20	131.00	112.50	83.50	122.00	59.80	55.80	32.60		
6	119.60	105.00	71.00	106.00	122.60	120.20	112.50	82.50	128.60	61.00	57.40	36.20		
7	135.80	123.20	78.50	115.00	119.60	99.00	134.00	87.00	132.80	61.00	53.80	39.00		
8	154.40	149.00	86.50	110.00	116.60	86.50	175.40	96.00	130.40	60.60	51.00	40.20		
9	157.40	143.00	86.50	88.00	101.00	86.00	187.20	96.00	137.00	61.00	48.60	41.40		
10	143.60	147.80	77.00	77.50	94.50	84.50	185.80	85.00	126.80	61.50	47.40	40.20		
11	110.50	156.80	92.00	87.00	95.00	79.00	171.80	77.50	113.50	60.60	46.20	40.20		
12	90.00	152.00	110.50	87.50	92.00	77.00	156.20	77.00	102.00	60.60	43.00	38.20		
13	89.50	141.20	116.60	97.00	89.50	78.00	133.40	84.50	107.50	60.60	39.80	26.20		
14	111.00	132.20	122.60	111.00	87.00	97.50	108.50	79.50	133.40	69.00	34.20	14.70		
15	142.40	128.60	113.50	110.00	91.50	112.50	94.00	92.00	126.80	63.50	29.00	9.80		
16	154.40	116.00	126.20	109.50	103.00	95.00	99.00	140.00	114.00	57.00	27.00	8.75		
17	138.80	115.00	129.20	115.50	100.50	78.50	138.20	169.40	109.50	51.00	30.20	17.50		
18	116.60	107.50	116.00	112.00	97.50	65.50	164.00	178.10	113.50	45.80	35.80	22.60		
19	102.50	97.50	98.00	98.50	87.00	58.20	170.00	168.20	158.00	45.00	41.80	28.20		
20	92.00	88.00	80.50	83.50	78.00	52.20	135.50	143.00	165.80	46.60	46.20	33.80		
21	82.00	81.00	74.50	80.00	74.50	49.40	151.40	118.40	173.60	49.40	48.60	37.80		
22	72.00	77.00	82.00	94.00	88.00	49.80	215.20	112.50	104.20	52.60	50.20	40.60		
23	62.00	72.00	89.00	99.00	95.50	55.00	213.80	137.00	97.60	54.20	49.00	41.00		
24	55.00	64.50	90.50	103.00	97.50	56.60	192.10	174.80	105.40	54.60	46.20	40.20		
25	51.40	59.40	93.00	99.00	91.00	49.00	168.80	176.00	103.00	54.60	41.00	37.80		
26	51.80	58.20	89.50	101.00	96.00	47.80	162.80	177.40	138.80	60.60	32.60	34.20		
27	60.60	57.80	80.50	116.00	117.80	46.20	131.00	169.40	112.50	76.50	25.40	29.40		
28	62.50	57.40	73.50	154.40	122.00	49.00	115.00	153.20	98.50	74.00	19.95	23.80		
29	64.50	64.00	70.00	169.40	101.50	71.50	102.00	137.00	88.50	57.80	17.85	17.85		
30	72.00	116.00	72.00	168.20	82.00	103.50	79.50	101.00	79.00	48.20	11.90	11.90		
31		156.80		152.60	76.00		90.00		72.00	44.20		12.60		
Total	3144.90	3270.90	2876.20	3241.60	3272.90	2403.90	4516.60	3596.90	3583.70	1802.10	1180.15	885.00	33774.85	CMSDAY
Mean	104.83	105.51	95.87	104.57	105.58	80.13	145.70	119.90	115.60	58.13	42.15	28.55	92.53	CMS
Max	157.40	156.80	153.80	169.40	165.80	131.00	215.20	178.10	173.60	76.50	57.40	41.40	215.20	CMS
Min	51.40	57.40	70.00	70.50	74.50	46.20	79.50	77.00	72.00	44.20	19.95	8.75	8.75	CMS
Runoff	271.72	282.61	248.50	280.07	282.78	207.70	390.23	310.77	309.63	155.70	101.96	76.46	2918.15	MCM
Momentary Peak		219.50	CMS. at 4.02 m. (MSL.) at 21.00 Hours , on Oct 22, 2022											
Runoff Yield		33.02	Liters/Second/Square KM.				78.34	Liters/Second/Square KM.						

WATER YEAR : 2022**PENINSULA - WEST COAST****Lower Khlong Palian at Ban Yan Ta Khaow , Trang (X.236)**

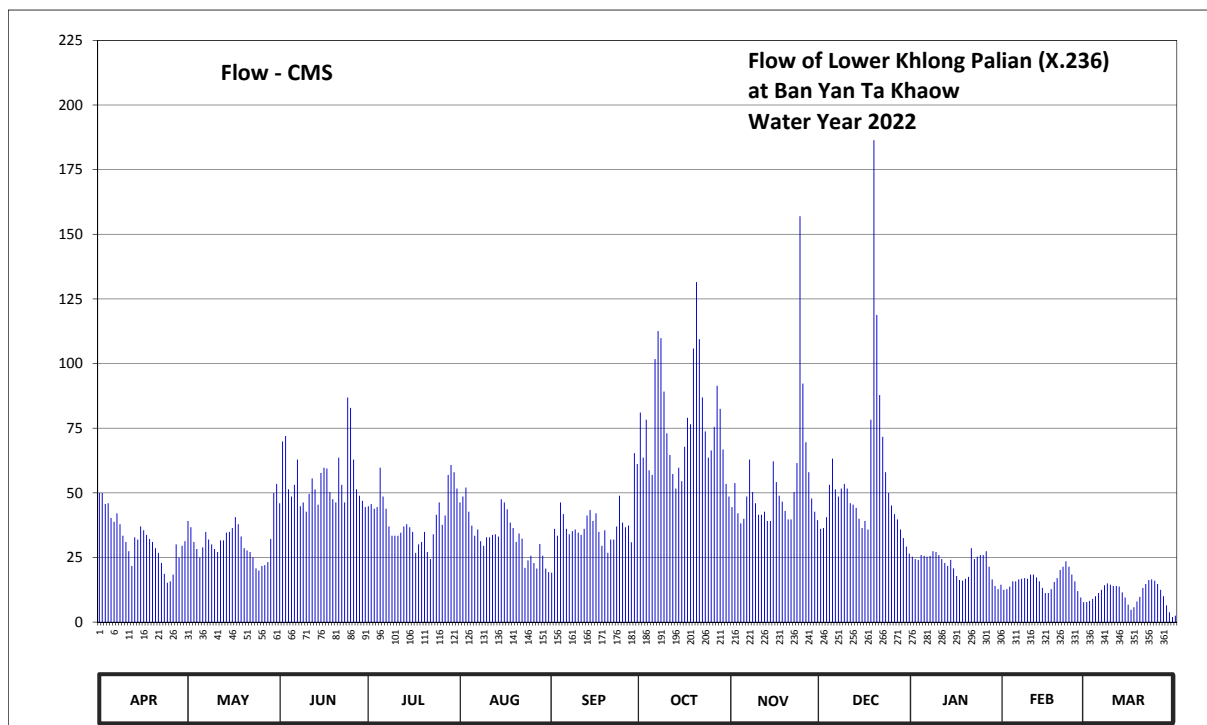
Lat 07 - 22 - 19 N Long 99 - 40 - 37 E

Location : on right bank at Ban Yan Ta Khaow.

	Ban	Yan Ta Khaow	Amphoe	Yan Ta Khaow	Changwat	Trang
Drainage Area	731	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the gage site.				Elevation	+7.546 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings					
Period of Available Gage Records	2004 to date.					
Rating Operation						
Period of Rating	2004 to date.					
Rated by Float	-					
Rated by Current Meter	2004 to date.					
Stability of Channel Regimes	Stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 21 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.57	1.22	1.45	1.41	1.46	1.18	2.46	1.40	1.12	0.76	0.30	0.11	
2	1.57	1.14	2.14	1.44	1.53	1.12	1.96	1.68	1.13	0.73	0.31	0.13	
3	1.44	0.95	2.20	1.38	1.63	1.03	2.38	1.32	1.27	0.72	0.35	0.16	
4	1.45	0.86	1.61	1.40	1.34	1.46	1.82	1.19	1.66	0.78	0.43	0.20	
5	1.26	0.75	1.53	1.85	1.16	1.31	1.77	1.25	1.95	0.77	0.43	0.25	
6	1.21	0.88	1.66	1.53	1.03	1.12	2.95	1.53	1.61	0.76	0.46	0.30	
7	1.32	1.08	1.94	1.38	1.11	1.05	3.19	1.94	1.53	0.77	0.47	0.37	
8	1.18	0.98	1.41	1.15	0.96	1.09	3.13	1.58	1.62	0.83	0.48	0.40	
9	1.03	0.92	1.46	1.03	0.90	1.11	2.67	1.45	1.67	0.82	0.47	0.38	
10	0.95	0.86	1.34	1.03	1.01	1.07	2.23	1.30	1.62	0.78	0.53	0.36	
11	0.83	0.82	1.56	1.03	1.01	1.04	1.99	1.30	1.45	0.73	0.53	0.36	
12	0.64	0.97	1.73	1.07	1.04	1.12	1.78	1.34	1.43	0.68	0.49	0.35	
13	1.01	0.97	1.61	1.15	1.05	1.29	1.62	1.22	1.39	0.64	0.43	0.26	
14	0.98	1.07	1.43	1.18	1.02	1.36	1.85	1.22	1.25	0.72	0.33	0.18	
15	1.15	1.08	1.79	1.14	1.50	1.22	1.70	1.92	1.13	0.61	0.25	0.07	
16	1.10	1.13	1.85	1.08	1.46	1.32	2.08	1.69	1.22	0.51	0.25	-0.01	
17	1.04	1.27	1.84	0.81	1.37	1.08	2.40	1.54	1.11	0.45	0.31	0.03	
18	0.99	1.18	1.58	0.92	1.20	0.90	2.33	1.47	2.38	0.44	0.42	0.12	
19	0.95	1.02	1.50	0.95	1.13	1.10	3.04	1.35	4.54	0.47	0.48	0.19	
20	0.87	0.87	1.46	1.08	0.95	0.81	3.59	1.24	3.33	0.50	0.59	0.33	
21	0.81	0.84	1.96	0.82	1.06	0.98	3.12	1.24	2.64	0.87	0.63	0.39	
22	0.68	0.82	1.66	0.73	1.58	0.98	2.62	1.58	2.19	0.73	0.70	0.45	
23	0.54	0.75	1.46	1.05	1.25	1.15	2.25	1.90	1.80	0.76	0.63	0.46	
24	0.41	0.61	2.62	1.30	1.34	1.54	1.96	4.05	1.57	0.78	0.53	0.44	
25	0.43	0.58	2.51	1.46	1.39	1.20	2.04	2.74	1.42	0.78	0.43	0.39	
26	0.53	0.64	1.94	1.17	1.31	1.14	2.30	2.13	1.31	0.83	0.28	0.30	
27	0.92	0.65	1.61	1.29	1.24	1.16	2.72	1.80	1.24	0.63	0.18	0.20	
28	0.75	0.69	1.54	1.77	1.52	1.54	2.50	1.51	1.11	0.46	0.11	0.06	
29	0.90	0.99	1.48	1.88	1.39	2.01	2.05	1.34	1.00	0.36		-0.05	
30	0.96	1.57	1.40	1.80	1.24	1.89	1.67	1.23	0.89	0.31		-0.12	
31		1.67		1.62	1.19		1.53		0.80	0.38		-0.10	
Mean	0.98	0.96	1.71	1.25	1.24	1.21	2.31	1.61	1.63	0.66	0.42	0.22	
Max	1.57	1.67	2.62	1.88	1.63	2.01	3.59	4.05	4.54	0.87	0.70	0.46	4.54
Min	0.41	0.58	1.34	0.73	0.90	0.81	1.53	1.19	0.80	0.31	0.11	-0.12	-0.12
Annual Max Momentary Gage Height	4.93		m. (MSL.) ,				at 07.00 Hours , on Dec 19, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	-1.30	m. (MSL.)					
Left Bank Elevation		5.70	m. (MSL.) ,										
Right Bank Elevation		5.10	m. (MSL.) ,			Drainage Are	731	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	49.95	39.10	46.00	44.80	46.30	19.10	81.10	44.50	36.10	25.30	12.50	7.75		
2	49.95	36.70	69.90	45.70	48.55	36.10	63.60	53.80	36.40	24.40	12.75	8.25		
3	45.70	31.00	72.00	43.90	52.05	33.40	78.30	42.10	40.60	24.10	13.75	9.00		
4	46.00	28.30	51.35	44.50	42.70	46.30	58.70	38.20	53.10	25.90	15.75	10.00		
5	40.30	25.00	48.55	59.75	37.30	41.80	56.95	40.00	63.25	25.60	15.75	11.25		
6	38.80	28.90	53.10	48.55	33.40	36.10	101.75	48.55	51.35	25.30	16.50	12.50		
7	42.10	34.90	62.90	43.90	35.80	34.00	112.55	62.90	48.55	25.60	16.75	14.25		
8	37.90	31.90	44.80	37.00	31.30	35.20	109.85	50.30	51.70	27.40	17.00	15.00		
9	33.40	30.10	46.30	33.40	29.50	35.80	89.15	46.00	53.45	27.10	16.75	14.50		
10	31.00	28.30	42.70	33.40	32.80	34.60	73.05	41.50	51.70	25.90	18.40	14.00		
11	27.40	27.10	49.60	33.40	32.80	33.70	64.65	41.50	46.00	24.40	18.40	14.00		
12	21.70	31.60	55.55	34.60	33.70	36.10	57.30	42.70	45.40	22.90	17.25	13.75		
13	32.80	31.60	51.35	37.00	34.00	41.20	51.70	39.10	44.20	21.70	15.75	11.50		
14	31.90	34.60	45.40	37.90	33.10	43.30	59.75	39.10	40.00	24.10	13.25	9.50		
15	37.00	34.90	57.65	36.70	47.50	39.10	54.50	62.20	36.40	20.80	11.25	6.75		
16	35.50	36.40	59.75	34.90	46.30	42.10	67.80	54.15	39.10	17.80	11.25	4.75		
17	33.70	40.60	59.40	26.80	43.60	34.90	79.00	48.90	35.80	16.25	12.75	5.75		
18	32.20	37.90	50.30	30.10	38.50	29.50	76.55	46.60	78.30	16.00	15.50	8.00		
19	31.00	33.10	47.50	31.00	36.40	35.50	105.80	43.00	186.40	16.75	17.00	9.75		
20	28.60	28.60	46.30	34.90	31.00	26.80	131.50	39.70	118.85	17.50	20.20	13.25		
21	26.80	27.70	63.60	27.10	34.30	31.90	109.40	39.70	87.80	28.60	21.40	14.75		
22	22.90	27.10	53.10	24.40	32.30	31.90	86.90	50.30	71.65	24.40	23.50	16.25		
23	18.70	25.00	46.30	34.00	21.00	37.00	73.75	61.50	58.00	25.30	21.40	16.50		
24	15.25	20.80	86.90	41.50	23.90	48.90	63.60	157.00	49.95	25.90	18.40	16.00		
25	15.75	19.90	82.85	46.30	25.65	38.50	66.40	92.30	45.10	25.90	15.75	14.75		
26	18.40	21.70	62.90	37.60	22.85	36.70	75.50	69.55	41.80	27.40	12.00	12.50		
27	30.10	22.00	51.35	41.20	20.70	37.30	91.40	58.00	39.70	21.40	9.50	10.00		
28	25.00	23.20	48.90	56.95	30.20	30.90	82.50	47.85	35.80	16.50	7.75	6.50		
29	29.50	32.20	46.90	60.80	25.65	65.35	66.75	42.70	32.50	14.00		3.75		
30	31.30	49.95	44.50	58.00	20.70	61.15	53.45	39.40	29.20	12.75		2.00		
31		53.45		51.70	19.30		48.55		26.50	14.50		2.50		
Total	960.60	973.60	1647.70	1251.75	1043.15	1134.20	2391.75	1583.10	1674.65	691.45	438.20	329.00	14119.15	CMSDAY
Mean	32.02	31.41	54.92	40.38	33.65	37.81	77.15	52.77	54.02	22.30	15.65	10.61	38.68	CMS
Max	49.95	53.45	86.90	60.80	52.05	65.35	131.50	157.00	186.40	28.60	23.50	16.50	186.40	CMS
Min	15.25	19.90	42.70	24.40	19.30	19.10	48.55	38.20	26.50	12.75	7.75	2.00	2.00	CMS
Runoff	83.00	84.12	142.36	108.15	90.13	97.99	206.65	136.78	144.69	59.74	37.86	28.43	1219.89	MCM
Momentary Peak	211.10 CMS. at 4.93 m. (MSL.) at 07.00 Hours , on Dec 19, 2022													
Runoff Yield	52.92	Liters/Second/Square KM.				Momentary Peak Yield		288.78	Liters/Second/Square KM.					

WATER YEAR : 2022**PENINSULA - WEST COAST****Khlong Chalung at Ban Chalung Nuea , Satun (X.239)**

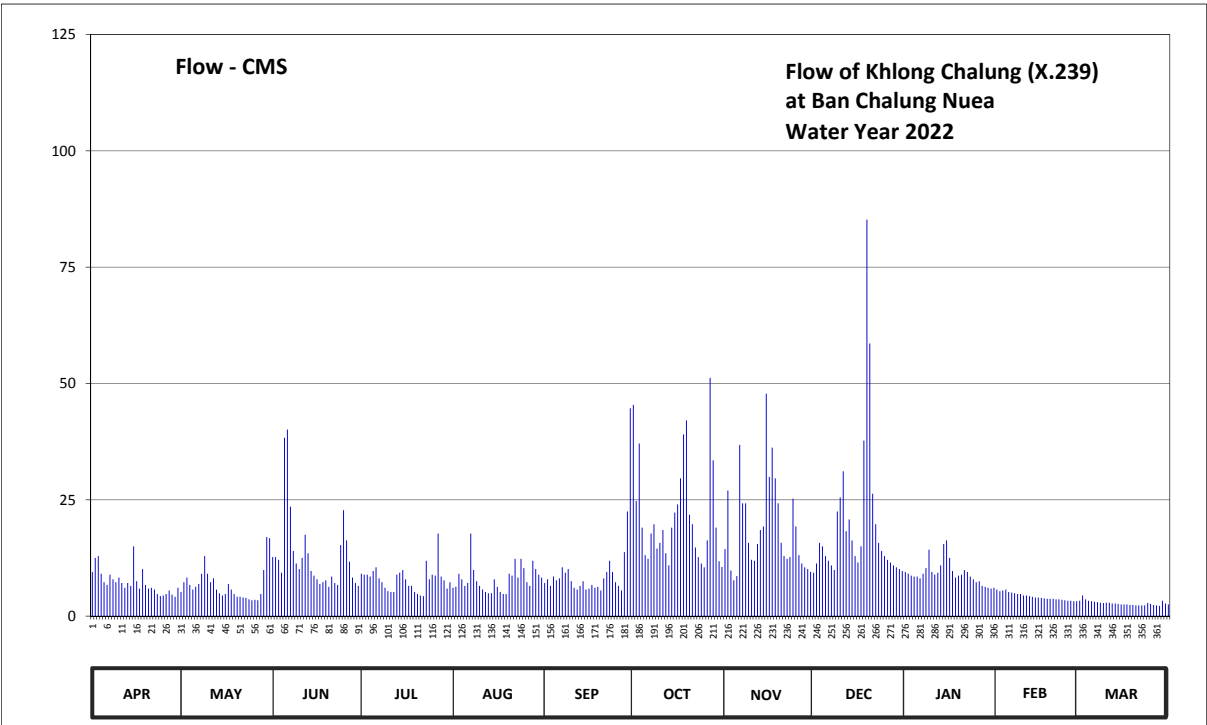
Lat 06 - 43 - 36 N Long 100 - 03 - 46 E

Location : on right bank at Ban Karakat.

	Ban	Chalung Nuea	Amphoe	Mueang	Changwat	Satun
Drainge Area	269	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	on left bank downstream site at the footpath of the bridge.				Elevation	+17.044 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2004 to date.					
Rating Operation						
Period of Rating	2004 to date.					
Rated by Float	-					
Rated by Current Meter	2004 to date.					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow start at elevation + 16.210 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 22 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	13.90	13.68	14.06	13.88	13.73	13.78	15.21	14.47	13.89	13.90	13.71	13.53	
2	14.05	13.79	14.06	13.87	13.74	13.82	14.55	15.02	13.99	13.88	13.69	13.63	
3	14.07	13.84	14.03	13.87	13.88	13.75	14.97	14.22	14.19	13.86	13.70	13.56	
4	13.88	13.76	13.89	13.85	13.82	13.85	14.32	14.08	14.16	13.85	13.71	13.53	
5	13.79	13.71	15.01	13.91	13.75	13.81	14.08	14.14	14.07	13.85	13.68	13.52	
6	13.76	13.74	15.06	13.95	13.78	13.83	14.04	15.38	14.02	13.83	13.67	13.51	
7	13.87	13.77	14.50	13.83	14.27	13.95	14.27	14.53	13.97	13.88	13.66	13.50	
8	13.82	13.88	14.12	13.79	13.92	13.89	14.35	14.53	13.92	13.94	13.65	13.49	
9	13.79	14.07	13.99	13.73	13.80	13.93	14.14	14.19	14.46	14.13	13.65	13.48	
10	13.84	13.88	13.93	13.69	13.75	13.80	14.19	14.03	14.58	13.90	13.63	13.49	
11	13.78	13.79	14.05	13.68	13.71	13.73	14.30	14.02	14.77	13.87	13.63	13.49	
12	13.73	13.83	14.26	13.68	13.68	13.71	14.10	14.18	14.29	13.89	13.62	13.47	
13	13.78	13.71	14.10	13.87	13.66	13.75	13.97	14.30	14.39	13.97	13.61	13.47	
14	13.75	13.66	13.91	13.89	13.66	13.80	14.32	14.33	14.21	14.18	13.60	13.46	
15	14.16	13.63	13.86	13.92	13.82	13.71	14.45	15.27	14.07	14.21	13.60	13.45	
16	13.80	13.65	13.82	13.82	13.74	13.72	14.52	14.73	14.00	14.05	13.59	13.45	
17	13.72	13.77	13.77	13.75	13.68	13.76	14.72	14.94	14.16	13.91	13.58	13.45	
18	13.93	13.71	13.79	13.75	13.65	13.73	15.03	14.72	14.99	13.84	13.57	13.44	
19	13.76	13.65	13.81	13.68	13.65	13.74	15.53	14.53	16.16	13.86	13.57	13.44	
20	13.72	13.61	13.74	13.65	13.88	13.70	14.81	14.19	15.54	13.87	13.57	13.43	
21	13.73	13.61	13.85	13.63	13.86	13.83	14.35	14.07	14.61	13.92	13.56	13.43	
22	13.71	13.60	13.78	13.62	14.04	13.90	14.15	14.04	14.35	13.90	13.56	13.43	
23	13.65	13.59	13.76	14.02	13.84	14.02	14.06	14.06	14.19	13.85	13.55	13.43	
24	13.62	13.56	14.17	13.82	14.04	13.90	13.99	14.57	14.12	13.82	13.54	13.48	
25	13.63	13.54	14.47	13.87	13.94	13.79	13.95	14.33	14.07	13.79	13.53	13.46	
26	13.65	13.55	14.21	13.86	13.79	13.75	14.21	14.08	14.03	13.80	13.53	13.44	
27	13.70	13.54	14.01	14.27	13.75	13.70	15.78	13.99	14.00	13.75	13.52	13.43	
28	13.64	13.65	13.84	13.85	14.02	14.11	15.28	13.95	13.97	13.74	13.52	13.42	
29	13.61	13.92	13.78	13.81	13.93	14.46	14.70	13.93	13.95	13.73		13.53	
30	13.73	14.24	13.75	13.72	13.87	15.19	14.34	13.90	13.93	13.72		13.47	
31		14.23		13.79	13.84		14.27		13.91	13.73		13.45	
Mean	13.79	13.75	14.05	13.82	13.82	13.88	14.48	14.36	14.29	13.88	13.61	13.48	
Max	14.16	14.24	15.06	14.27	14.27	15.19	15.78	15.38	16.16	14.21	13.71	13.63	16.16
Min	13.61	13.54	13.74	13.62	13.65	13.70	13.95	13.90	13.89	13.72	13.52	13.42	13.42
Annual Max Momentary Gage Height	16.25		m. (MSL.) ,				at 16.00 Hours , on Dec 19, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	12.78	m. (MSL.)					
Left Bank Elevation		16.57	m. (MSL.) ,										
Right Bank Elevation		16.20	m. (MSL.) ,			Drainage Are	269	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	9.50	5.20	12.70	9.10	6.10	7.10	45.40	14.40	9.30	9.50	5.70	3.30		
2	12.50	7.30	12.70	8.90	6.30	7.90	24.75	27.00	11.30	9.10	5.35	4.45		
3	12.90	8.30	12.10	8.90	9.10	6.50	37.10	9.80	15.75	8.70	5.50	3.60		
4	9.10	6.70	9.30	8.50	7.90	8.50	19.00	7.70	15.00	8.50	5.70	3.30		
5	7.30	5.70	38.35	9.70	6.50	7.70	13.10	8.60	12.90	8.50	5.20	3.20		
6	6.70	6.30	40.10	10.50	7.10	8.10	12.30	36.80	11.90	8.10	5.05	3.10		
7	8.90	6.90	23.50	8.10	17.75	10.50	17.75	24.25	10.90	9.10	4.90	3.00		
8	7.90	9.10	14.00	7.30	9.90	9.30	19.75	24.25	9.90	10.30	4.75	2.90		
9	7.30	12.90	11.30	6.10	7.50	10.10	14.50	15.75	22.50	14.25	4.75	2.80		
10	8.30	9.10	10.10	5.35	6.50	7.50	15.75	12.10	25.50	9.50	4.45	2.90		
11	7.10	7.30	12.50	5.20	5.70	6.10	18.50	11.90	31.10	8.90	4.45	2.90		
12	6.10	8.10	17.50	5.20	5.20	5.70	13.50	15.50	18.25	9.30	4.30	2.70		
13	7.10	5.70	13.50	8.90	4.90	6.50	10.90	18.50	20.75	10.90	4.15	2.70		
14	6.50	4.90	9.70	9.30	4.90	7.50	19.00	19.25	16.25	15.50	4.00	2.60		
15	15.00	4.45	8.70	9.90	7.90	5.70	22.25	47.80	12.90	16.25	4.00	2.50		
16	7.50	4.75	7.90	7.90	6.30	5.90	24.00	29.90	11.50	12.50	3.90	2.50		
17	5.90	6.90	6.90	6.50	5.20	6.70	29.60	36.20	15.00	9.70	3.80	2.50		
18	10.10	5.70	7.30	6.50	4.75	6.10	39.05	29.60	37.70	8.30	3.70	2.40		
19	6.70	4.75	7.70	5.20	4.75	6.30	42.05	24.25	85.20	8.70	3.70	2.40		
20	5.90	4.15	6.30	4.75	9.10	5.50	21.75	15.75	58.60	8.90	3.70	2.30		
21	6.10	4.15	8.50	4.45	8.70	8.10	19.75	12.90	26.30	9.90	3.60	2.30		
22	5.70	4.00	7.10	4.30	12.30	9.50	14.75	12.30	19.75	9.50	3.60	2.30		
23	4.75	3.90	6.70	11.90	8.30	11.90	12.70	12.70	15.75	8.50	3.50	2.30		
24	4.30	3.60	15.25	7.90	12.30	9.50	11.30	25.25	14.00	7.90	3.40	2.80		
25	4.45	3.40	22.75	8.90	10.30	7.30	10.50	19.25	12.90	7.30	3.30	2.60		
26	4.75	3.50	16.25	8.70	7.30	6.50	16.25	13.10	12.10	7.50	3.30	2.40		
27	5.50	3.40	11.70	17.75	6.50	5.50	51.20	11.30	11.50	6.50	3.20	2.30		
28	4.60	4.75	8.30	8.50	11.90	13.75	33.50	10.50	10.90	6.30	3.20	2.20		
29	4.15	9.90	7.10	7.70	10.10	22.50	19.00	10.10	10.50	6.10		3.30		
30	6.10	17.00	6.50	5.90	8.90	44.65	11.80	9.50	10.10	5.90		2.70		
31		16.75		7.30	8.30		10.55		9.70	6.10		2.50		
Total	218.70	208.55	392.30	245.10	248.25	284.40	671.30	566.20	605.70	286.00	118.15	85.75	3930.40	CMSDAY
Mean	7.29	6.73	13.08	7.91	8.01	9.48	21.65	18.87	19.54	9.23	4.22	2.77	10.77	CMS
Max	15.00	17.00	40.10	17.75	17.75	44.65	51.20	47.80	85.20	16.25	5.70	4.45	85.20	CMS
Min	4.15	3.40	6.30	4.30	4.75	5.50	10.50	7.70	9.30	5.90	3.20	2.20	2.20	CMS
Runoff	18.90	18.02	33.89	21.18	21.45	24.57	58.00	48.92	52.33	24.71	10.21	7.41	339.59	MCM
Momentary Peak	89.50 CMS. at 16.25 m. (MSL.) at 16.00 Hours , on Dec 19, 2022													
Runoff Yield	40.03	Liters/Second/Square KM.		Momentary Peak Yield		332.71	Liters/Second/Square KM.							

WATER YEAR : 2022**PENINSULA - WEST COAST****Khlong Phangnga at Ban Bang Tong , Phangnga (X.245)**

Lat 08 - 30 - 48 N Long 98 - 30 - 13 E

Location : on right bank at Ban Bang Tong.

	Ban	Bang Tong	Amphoe	Mueang	Changwat	Phangnga
Drainage Area	245	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On the footpath on the left side of the downstream bridge.				Elevation	+16.857 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2006 to date.					
Rating Operation						
Period of Rating	2006 to date.					
Rated by Float	-					
Rated by Current Meter	2006 to date.					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 25 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.03	7.86	9.35	8.30	8.91	8.42	9.34	8.49	8.15	7.82	7.71	7.61	
2	8.20	7.96	8.99	9.10	9.38	8.32	8.80	8.43	8.16	7.81	7.72	7.61	
3	8.13	8.15	8.86	8.47	8.96	8.27	8.59	8.29	8.17	7.81	7.75	7.61	
4	7.96	8.05	8.63	9.96	8.78	8.94	8.49	8.24	8.11	7.80	7.72	7.61	
5	7.91	7.98	8.44	9.48	8.57	8.59	8.48	8.21	8.07	7.79	7.70	7.60	
6	7.94	7.95	8.33	8.93	8.46	8.99	8.38	8.20	8.06	7.79	7.70	7.60	
7	8.15	8.00	8.32	8.69	8.38	8.81	8.32	8.19	8.04	7.81	7.68	7.58	
8	8.19	8.01	8.24	8.61	8.32	8.90	8.27	8.22	8.04	7.79	7.68	7.58	
9	8.04	7.96	8.28	8.81	8.28	8.60	8.27	8.18	8.02	7.79	7.68	7.58	
10	7.96	7.90	8.30	8.78	8.26	8.49	8.31	8.13	8.00	7.81	7.68	7.57	
11	7.93	7.91	8.23	8.96	8.22	8.40	8.23	8.11	7.99	7.95	7.69	7.58	
12	7.91	8.03	8.17	9.71	8.19	8.38	8.19	8.13	7.98	7.87	7.67	7.57	
13	7.87	8.16	8.13	9.34	8.15	8.40	8.17	8.11	7.96	7.82	7.67	7.56	
14	7.85	8.07	8.10	8.96	8.12	8.31	8.21	8.07	7.95	7.82	7.66	7.55	
15	7.83	7.99	8.15	9.08	8.11	8.24	8.37	8.09	7.94	7.79	7.65	7.55	
16	7.82	8.05	8.14	8.92	8.21	8.21	8.77	8.08	7.93	7.77	7.65	7.55	
17	7.81	8.00	8.14	8.70	8.30	8.18	9.47	8.10	7.92	7.77	7.65	7.54	
18	7.95	7.97	8.10	8.56	8.40	8.15	9.51	8.09	7.97	7.76	7.66	7.55	
19	8.01	7.97	8.05	8.47	8.17	8.13	9.73	8.13	7.93	7.75	7.64	7.55	
20	7.94	8.16	8.08	9.26	8.18	8.16	10.14	8.14	7.90	7.74	7.64	7.56	
21	7.88	8.27	8.06	9.12	8.29	8.11	9.62	8.07	7.90	7.74	7.67	7.55	
22	7.95	8.17	8.07	8.93	8.63	8.12	9.12	8.49	7.88	7.73	7.67	7.55	
23	7.87	8.07	8.18	8.77	8.56	8.09	8.85	8.88	7.88	7.73	7.65	7.55	
24	7.84	8.01	8.33	8.64	8.46	8.16	8.70	8.89	7.87	7.73	7.63	7.58	
25	7.90	7.99	8.20	8.52	8.31	8.19	8.66	8.37	7.86	7.76	7.63	7.57	
26	7.90	7.99	8.37	8.50	8.70	8.11	8.62	8.29	7.85	7.88	7.64	7.57	
27	7.92	8.11	8.30	8.45	8.48	8.14	8.52	8.23	7.85	7.77	7.63	7.56	
28	7.88	8.31	8.26	8.40	8.37	8.37	8.52	8.19	7.84	7.74	7.62	7.54	
29	7.87	10.38	8.24	8.33	8.33	9.12	8.45	8.23	7.83	7.73		7.56	
30	7.85	9.81	8.25	8.31	8.29	9.30	8.38	8.21	7.83	7.72		7.59	
31		9.24		8.25	8.49		8.35		7.82	7.72		7.60	
Mean	7.94	8.21	8.31	8.82	8.43	8.42	8.70	8.25	7.96	7.78	7.67	7.57	
Max	8.20	10.38	9.35	9.96	9.38	9.30	10.14	8.89	8.17	7.95	7.75	7.61	10.38
Min	7.81	7.86	8.05	8.25	8.11	8.09	8.17	8.07	7.82	7.72	7.62	7.54	7.54
Annual Max Momentary Gage Height	11.81		m. (MSL.) ,				at 21.00 Hours , on May 29, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	6.11	m. (MSL.)					
Left Bank Elevation		15.24	m. (MSL.) ,										
Right Bank Elevation		16.31	m. (MSL.) ,			Drainage Are	245	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	10.60	7.20	77.00	18.00	48.60	22.80	76.20	25.60	13.50	6.40	4.20	2.20	
2	15.00	9.20	53.40	60.00	79.40	18.80	42.00	23.20	13.80	6.20	4.40	2.20	
3	12.90	13.50	45.60	24.80	51.60	17.10	30.50	17.70	14.10	6.20	5.00	2.20	
4	9.20	11.00	32.50	132.00	40.80	50.40	25.60	16.20	12.30	6.00	4.40	2.20	
5	8.20	9.60	23.60	87.40	29.50	30.50	25.20	15.30	11.40	5.80	4.00	2.00	
6	8.80	9.00	19.20	49.80	24.40	53.40	21.20	15.00	11.20	5.80	4.00	2.00	
7	13.50	10.00	18.80	35.50	21.20	42.60	18.80	14.70	10.80	6.20	3.60	1.70	
8	14.70	10.20	16.20	31.50	18.80	48.00	17.10	15.60	10.80	5.80	3.60	1.70	
9	10.80	9.20	17.40	42.60	17.40	31.00	17.10	14.40	10.40	5.80	3.60	1.70	
10	9.20	8.00	18.00	40.80	16.80	25.60	18.40	12.90	10.00	6.20	3.60	1.55	
11	8.60	8.20	15.90	51.60	15.60	22.00	15.90	12.30	9.80	9.00	3.80	1.70	
12	8.20	10.60	14.10	107.90	14.70	21.20	14.70	12.90	9.60	7.40	3.40	1.55	
13	7.40	13.80	12.90	76.20	13.50	22.00	14.10	12.30	9.20	6.40	3.40	1.40	
14	7.00	11.40	12.00	51.60	12.60	18.40	15.30	11.40	9.00	6.40	3.20	1.25	
15	6.60	9.80	13.50	58.80	12.30	16.20	20.80	11.80	8.80	5.80	3.00	1.25	
16	6.40	11.00	13.20	49.20	15.30	15.30	40.20	11.60	8.60	5.40	3.00	1.25	
17	6.20	10.00	13.20	36.00	18.00	14.40	86.60	12.00	8.40	5.40	3.00	1.10	
18	9.00	9.40	12.00	29.00	22.00	13.50	89.90	11.80	9.40	5.20	3.20	1.25	
19	10.20	9.40	11.00	24.80	14.10	12.90	109.70	12.90	8.60	5.00	2.80	1.25	
20	8.80	13.80	11.60	70.20	14.40	13.80	151.40	13.20	8.00	4.80	2.80	1.40	
21	7.60	17.10	11.20	61.20	17.70	12.30	99.80	11.40	8.00	4.80	3.40	1.25	
22	9.00	14.10	11.40	49.80	32.50	12.60	61.20	25.60	7.60	4.60	3.40	1.25	
23	7.40	11.40	14.40	40.20	29.00	11.80	45.00	46.80	7.60	4.60	3.00	1.25	
24	6.80	10.20	19.20	33.00	24.40	13.80	36.00	47.40	7.40	4.60	2.60	1.70	
25	8.00	9.80	15.00	27.00	18.40	14.70	34.00	20.80	7.20	5.20	2.60	1.55	
26	8.00	9.80	20.80	26.00	36.00	12.30	32.00	17.70	7.00	7.60	2.80	1.55	
27	8.40	12.30	18.00	24.00	25.20	13.20	27.00	15.90	7.00	5.40	2.60	1.40	
28	7.60	18.40	16.80	22.00	20.80	20.80	27.00	14.70	6.80	4.80	2.40	1.10	
29	7.40	180.40	16.20	19.20	19.20	61.20	24.00	15.90	6.60	4.60		1.40	
30	7.00	117.00	16.50	18.40	17.70	73.00	21.20	15.30	6.60	4.40		1.85	
31		68.80		16.50	25.60		20.00		6.40	4.40		2.00	
Total	268.												

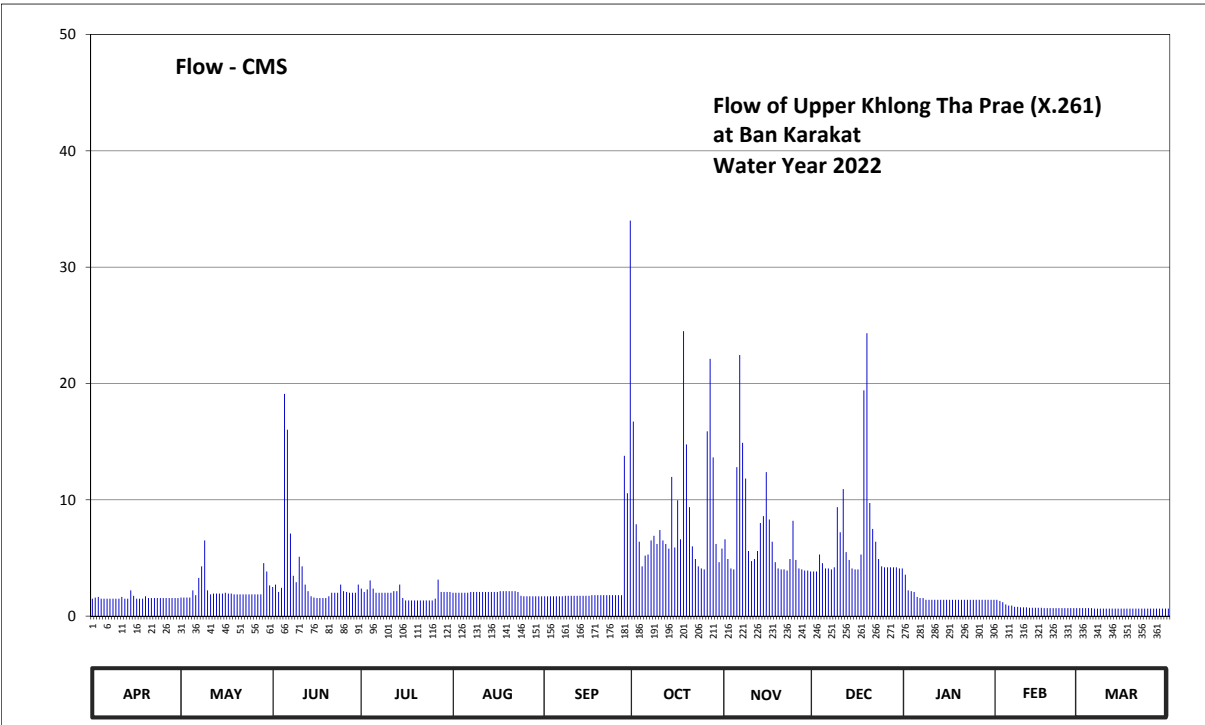
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Location : on right bank at Ban Karakat.

	Ban	Karakat	Amphoe	Khun Kalong	Changwat	Satun
Drainage Area	79	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the top staff gage.				Elevation	+30.451 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	2007 to date.					
Rating Operation						
Period of Rating	2007 to date.					
Rated by Float	-					
Rated by Current Meter	2007 to date.					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	Overbank flow start at elevation + 30.570 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 23 discharge measurements made in 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023

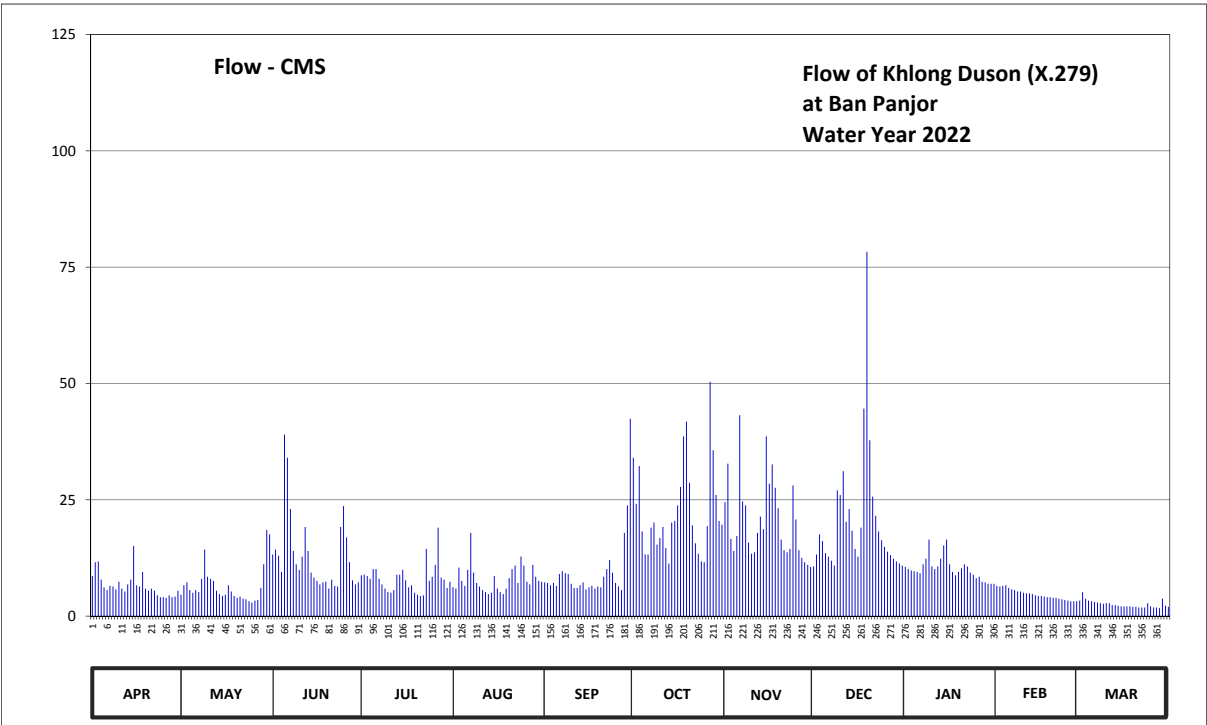
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	26.94	26.96	27.10	27.08	27.03	26.98	28.38	27.56	27.27	27.24	26.92	26.77	
	2	26.96	26.96	27.13	27.04	27.03	26.98	27.69	27.39	27.27	27.06	26.90	26.77	
	3	26.97	26.96	27.04	27.07	27.03	26.98	27.54	27.30	27.43	27.05	26.88	26.77	
	4	26.94	26.96	27.09	27.18	27.03	26.98	27.32	27.29	27.35	27.04	26.84	26.77	
	5	26.94	27.06	28.54	27.08	27.03	26.98	27.42	28.10	27.30	26.97	26.82	26.77	
	6	26.94	27.00	28.33	27.03	27.03	26.98	27.43	28.75	27.30	26.95	26.82	26.76	
	7	26.94	27.21	27.61	27.03	27.04	26.98	27.55	28.25	27.29	26.95	26.80	26.76	
	8	26.94	27.32	27.23	27.03	27.04	26.99	27.59	28.03	27.31	26.92	26.80	26.76	
	9	26.94	27.55	27.16	27.03	27.04	26.99	27.52	27.46	27.83	26.92	26.79	26.76	
	10	26.94	27.06	27.41	27.03	27.04	26.99	27.64	27.37	27.62	26.92	26.79	26.76	
	11	26.97	27.01	27.32	27.03	27.04	26.99	27.55	27.39	27.96	26.92	26.79	26.76	
	12	26.94	27.02	27.13	27.05	27.04	26.99	27.52	27.46	27.45	26.92	26.78	26.76	
	13	26.94	27.02	27.05	27.05	27.04	26.99	27.48	27.70	27.38	26.92	26.78	26.76	
	14	27.06	27.02	26.98	27.13	27.04	26.99	28.04	27.76	27.30	26.92	26.78	26.76	
	15	26.99	27.02	26.96	26.95	27.04	26.99	27.49	28.07	27.29	26.92	26.78	26.76	
	16	26.94	27.03	26.95	26.91	27.04	26.99	27.88	27.73	27.29	26.92	26.78	26.76	
	17	26.94	27.02	26.95	26.91	27.05	27.00	27.56	27.54	27.43	26.92	26.77	26.76	
	18	26.94	27.02	26.95	26.91	27.05	27.00	28.87	27.36	28.56	26.92	26.77	26.76	
	19	26.98	27.01	26.95	26.91	27.05	27.00	28.24	27.30	28.86	26.92	26.77	26.76	
	20	26.95	27.01	26.98	26.91	27.05	27.00	27.83	27.29	27.86	26.92	26.77	26.76	
	21	26.95	27.01	27.03	26.91	27.05	27.00	27.50	27.29	27.65	26.92	26.77	26.76	
	22	26.95	27.01	27.03	26.91	27.05	27.00	27.39	27.28	27.54	26.92	26.77	26.76	
	23	26.95	27.01	27.03	26.91	27.04	27.00	27.32	27.39	27.39	26.92	26.77	26.76	
	24	26.95	27.01	27.13	26.91	26.99	27.00	27.30	27.72	27.32	26.92	26.77	26.76	
	25	26.95	27.01	27.05	26.91	26.98	27.00	27.29	27.38	27.31	26.92	26.77	26.76	
	26	26.95	27.01	27.04	26.94	26.98	27.00	28.32	27.30	27.31	26.92	26.77	26.76	
	27	26.95	27.01	27.03	27.19	26.98	27.00	28.73	27.29	27.31	26.92	26.77	26.76	
	28	26.95	27.01	27.03	27.04	26.98	28.17	28.16	27.28	27.31	26.92	26.77	26.76	
	29	26.95	27.35	27.03	27.04	26.98	27.93	27.52	27.28	27.31	26.92		26.76	
	30	26.95	27.27	27.13	27.04	26.98	29.40	27.36	27.27	27.30	26.92		26.76	
	31		27.12		27.04	26.98		27.48		27.30	26.92		26.76	
Mean		26.95	27.07	27.18	27.01	27.02	27.14	27.71	27.55	27.50	26.95	26.80	26.76	
Max		27.06	27.55	28.54	27.19	27.05	29.40	28.87	28.75	28.86	27.24	26.92	26.77	29.40
Min		26.94	26.96	26.95	26.91	26.98	26.98	27.29	27.27	27.27	26.92	26.77	26.76	26.76
Annual Max Momentary Gage Height		30.61			m. (MSL) , at 02.00 Hours , on Nov 6, 2022									
Zero Gage at Bottom Elevation		0.00			m. (MSL) , River Bed 26.74 m. (MSL.)									
Left Bank Elevation		30.56			m. (MSL) ,									
Right Bank Elevation		31.23			m. (MSL) , Drainage Are 79 Square Kilometers									



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.50	1.60	2.50	2.36	2.01	1.70	16.72	6.60	3.83	3.56	1.40	0.68	
2	1.60	1.60	2.71	2.08	2.01	1.70	7.90	4.91	3.83	2.22	1.30	0.68	
3	1.65	1.60	2.08	2.29	2.01	1.70	6.40	4.10	5.30	2.15	1.20	0.68	
4	1.50	1.60	2.43	3.06	2.01	1.70	4.28	4.01	4.55	2.08	1.00	0.68	
5	1.50	2.22	19.10	2.36	2.01	1.70	5.20	12.80	4.10	1.65	0.90	0.68	
6	1.50	1.80	16.02	2.01	2.01	1.70	5.30	22.45	4.10	1.55	0.90	0.64	
7	1.50	3.29	7.10	2.01	2.08	1.70	6.50	14.90	4.01	1.55	0.80	0.64	
8	1.50	4.28	3.47	2.01	2.08	1.75	6.90	11.82	4.19	1.40	0.80	0.64	
9	1.50	6.50	2.92	2.01	2.08	1.75	6.20	5.60	9.36	1.40	0.76	0.64	
10	1.50	2.22	5.10	2.01	2.08	1.75	7.40	4.73	7.20	1.40	0.76	0.64	
11	1.65	1.87	4.28	2.01	2.08	1.75	6.50	4.91	10.92	1.40	0.76	0.64	
12	1.50	1.94	2.71	2.15	2.08	1.75	6.20	5.60	5.50	1.40	0.72	0.64	
13	1.50	1.94	2.15	2.15	2.08	1.75	5.80	8.00	4.82	1.40	0.72	0.64	
14	2.22	1.94	1.70	2.71	2.08	1.75	11.96	8.60	4.10	1.40	0.72	0.64	
15	1.75	1.94	1.60	1.55	2.08	1.75	5.90	12.38	4.01	1.40	0.72	0.64	
16	1.50	2.01	1.55	1.35	2.08	1.75	9.96	8.30	4.01	1.40	0.72	0.64	
17	1.50	1.94	1.55	1.35	2.15	1.80	6.60	6.40	5.30	1.40	0.68	0.64	
18	1.50	1.94	1.55	1.35	2.15	1.80	24.49	4.64	19.40	1.40	0.68	0.64	
19	1.70	1.87	1.55	1.35	2.15	1.80	14.76	4.10	24.32	1.40	0.68	0.64	
20	1.55	1.87	1.70	1.35	2.15	1.80	9.36	4.01	9.72	1.40	0.68	0.64	
21	1.55	1.87	2.01	1.35	2.15	1.80	6.00	4.01	7.50	1.40	0.68	0.64	
22	1.55	1.87	2.01	1.35	2.15	1.80	4.91	3.92	6.40	1.40	0.68	0.64	
23	1.55	1.87	2.01	1.35	2.08	1.80	4.28	4.91	4.91	1.40	0.68	0.64	
24	1.55	1.87	2.71	1.35	1.75	1.80	4.10	8.20	4.28	1.40	0.68	0.64	
25	1.55	1.87	2.15	1.35	1.70	1.80	4.01	4.82	4.19	1.40	0.68	0.64	
26	1.55	1.87	2.08	1.50	1.70	1.80	15.88	4.10	4.19	1.40	0.68	0.64	
27	1.55	1.87	2.01	3.13	1.70	1.80	22.11	4.01	4.19	1.40	0.68	0.64	
28	1.55	1.87	2.01	2.08	1.70	13.78	13.64	3.92	4.19	1.40	0.68	0.64	
29	1.55	4.55	2.01	2.08	1.70	10.56	6.20	3.92	4.19	1.40		0.64	
30	1.55	3.83	2.71	2.08	1.70	34.00	4.64	3.83	4.10	1.40		0.64	
31		2.64		2.08	1.70		5.80		4.10	1.40		0.64	
Total	47.12	71.95	105.48	59.22	61.49	105.79	265.90	204.50	194.81	48.36	22.34	20.04	1207.00 CMSDAY
Mean	1.57	2.32	3.52	1.91	1.98	3.53	8.58	6.82	6.28	1.56	0.80	0.65	3.31 CMS
Max	2.22	6.50	19.10	3.13	2.15	34.00	24.49	22.45	24.32	3.56	1.40	0.68	34.00 CMS
Min	1.50	1.60	1.55	1.35	1.70	1.70	4.01	3.83	3.83	1.40	0.68	0.64	0.64 CMS
Runoff	4.07	6.22	9.11	5.12	5.31	9.14	22.97	17.67	16.83	4.18	1.93	1.73	104.28 MCM
Momentary Peak	68.64 CMS. at 30.61 m. (MSL.) at 02.00 Hours , on Nov 6, 2022												
Runoff Yield	41.86	Liters/Second/Square KM.			Momentary Peak Yield			868.86	Liters/Second/Square KM.				

	Ban	Amphoe	Khuan Don	Changwat	Satun
Drainage Area	232	sq.km.			
Type of Gage	Water	- stage recorder			
Zero Gage at Bottom	+18.423	m. (MSL.)			
Bench Mark	B.M.-H.D.				
Location BM	On right bank near the top staff gage.			Elevation	+25.537 m. (MSL.)
Gage Reading Frequency	Recording				
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings				
Period of Available Gage Records	2011 to date.				
Rating Operation					
Period of Rating	2011 to date.				
Rated by Float	-				
Rated by Current Meter	2011 to date.				
Stability of Channel Regimes	Stable.				
Overbank Flow Conditions	No overbank flow.				
General Description	Records good. Stage-discharge relation defined by 23 discharge measurements made in 2022.				

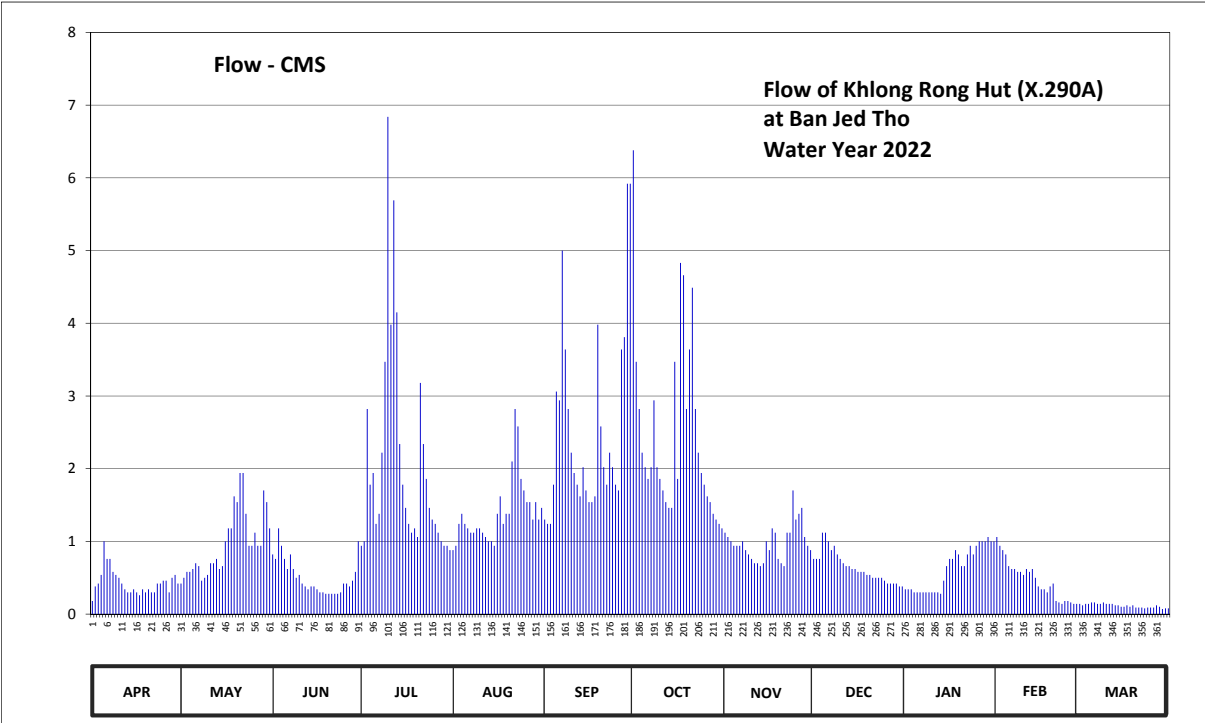
Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023														
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	19.72	19.45	20.03	19.73	19.56	19.63	21.28	20.74	19.86	19.85	19.58	19.36	
	2	19.92	19.59	20.10	19.74	19.54	19.62	20.72	21.21	20.03	19.82	19.57	19.49	
	3	19.93	19.63	20.01	19.72	19.84	19.59	21.18	20.25	20.31	19.80	19.58	19.39	
	4	19.67	19.52	19.78	19.68	19.65	19.62	20.35	20.08	20.22	19.79	19.59	19.36	
	5	19.56	19.48	21.54	19.82	19.58	19.58	20.03	20.29	20.05	19.78	19.55	19.35	
	6	19.52	19.52	21.28	19.82	19.81	19.75	20.03	21.75	20.00	19.76	19.53	19.34	
	7	19.58	19.49	20.65	19.68	20.33	19.79	20.40	20.75	19.94	19.89	19.52	19.33	
	8	19.57	19.68	20.08	19.60	19.77	19.76	20.47	20.70	19.87	19.97	19.50	19.32	
	9	19.53	20.10	19.89	19.54	19.62	19.75	20.17	20.20	20.89	20.24	19.50	19.31	
	10	19.64	19.71	19.81	19.49	19.57	19.61	20.26	20.04	20.83	19.86	19.48	19.32	
	11	19.54	19.68	20.00	19.48	19.52	19.55	20.41	20.06	21.12	19.82	19.47	19.32	
	12	19.50	19.65	20.41	19.52	19.49	19.55	20.12	20.33	20.48	19.86	19.47	19.29	
	13	19.60	19.51	20.08	19.74	19.46	19.59	19.90	20.55	20.65	19.97	19.46	19.29	
	14	19.67	19.46	19.77	19.74	19.48	19.63	20.47	20.38	20.36	20.16	19.44	19.28	
	15	20.15	19.43	19.70	19.81	19.72	19.53	20.49	21.52	20.11	20.24	19.43	19.27	
	16	19.59	19.45	19.65	19.66	19.54	19.56	20.70	20.97	20.00	19.89	19.43	19.27	
	17	19.57	19.59	19.60	19.56	19.49	19.58	20.93	21.20	20.40	19.78	19.42	19.27	
	18	19.78	19.50	19.63	19.59	19.46	19.54	21.52	20.92	21.82	19.73	19.41	19.27	
	19	19.54	19.43	19.64	19.48	19.54	19.57	21.68	20.66	23.14	19.78	19.41	19.26	
	20	19.51	19.40	19.54	19.45	19.69	19.56	20.98	20.24	21.48	19.83	19.40	19.26	
	21	19.54	19.42	19.67	19.43	19.82	19.71	20.43	20.09	20.81	19.89	19.40	19.25	
	22	19.51	19.39	19.58	19.44	19.87	19.82	20.19	20.06	20.56	19.86	19.39	19.25	
	23	19.44	19.38	19.57	20.11	19.62	19.95	20.04	20.11	20.35	19.77	19.38	19.25	
	24	19.41	19.35	20.41	19.65	20.00	19.77	19.93	20.95	20.23	19.74	19.37	19.32	
	25	19.41	19.33	20.69	19.71	19.87	19.62	19.92	20.51	20.14	19.69	19.36	19.27	
	26	19.40	19.36	20.27	19.88	19.64	19.57	20.42	20.09	20.07	19.71	19.35	19.25	
	27	19.44	19.37	19.92	20.40	19.60	19.52	22.08	19.98	20.02	19.64	19.35	19.25	
	28	19.41	19.55	19.66	19.70	19.88	20.33	21.37	19.92	19.97	19.63	19.35	19.24	
	29	19.42	19.89	19.60	19.67	19.71	20.70	20.83	19.88	19.93	19.61		19.39	
	30	19.51	20.37	19.63	19.55	19.65	21.71	20.49	19.85	19.90	19.61		19.28	
31		20.31		19.64	19.64		20.44		19.87	19.61		19.26		
Mean	19.59	19.58	20.01	19.68	19.68	19.77	20.59	20.48	20.43	19.83	19.45	19.30		
Max	20.15	20.37	21.54	20.40	20.33	21.71	22.08	21.75	23.14	20.24	19.59	19.49	23.14	
Min	19.40	19.33	19.54	19.43	19.46	19.52	19.90	19.85	19.86	19.61	19.35	19.24	19.24	
Annual Max Momentary Gage Height			23.69	m. (MSL.) ,				at 04.00 Hours , on Dec 19, 2022						
Zero Gage at Bottom Elevation			18.42	m. (MSL.) ,		River Bed		18.21	m. (MSL.)					
Left Bank Elevation			24.10	m. (MSL.) ,										
Right Bank Elevation			23.96	m. (MSL.) ,		Drainage Are		232	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	8.60	4.60	13.25	8.75	6.20	7.25	34.04	24.48	10.70	10.55	6.50	3.34		
2	11.60	6.65	14.30	8.90	5.90	7.10	24.14	32.78	13.25	10.10	6.35	5.16		
3	11.75	7.25	12.95	8.60	10.40	6.65	32.24	16.60	17.56	9.80	6.50	3.76		
4	7.85	5.60	9.50	8.00	7.55	7.10	18.20	14.00	16.12	9.65	6.65	3.34		
5	6.20	5.02	39.00	10.10	6.50	6.50	13.25	17.24	13.55	9.50	6.05	3.20		
6	5.60	5.60	34.04	10.10	9.95	9.05	13.25	43.20	12.80	9.20	5.75	3.06		
7	6.50	5.16	23.00	8.00	17.88	9.65	19.00	24.65	11.90	11.15	5.60	2.92		
8	6.35	8.00	14.00	6.80	9.35	9.20	20.12	23.80	10.85	12.35	5.30	2.78		
9	5.75	14.30	11.15	5.90	7.10	9.05	15.35	15.80	27.03	16.44	5.30	2.64		
10	7.40	8.45	9.95	5.16	6.35	6.95	16.76	13.40	26.01	10.70	5.02	2.78		
11	5.90	8.00	12.80	5.02	5.60	6.05	19.16	13.70	31.16	10.10	4.88	2.78		
12	5.30	7.55	19.16	5.60	5.16	6.05	14.60	17.88	20.28	10.70	4.88	2.37		
13	6.80	5.45	14.00	8.90	4.74	6.65	11.30	21.40	23.00	12.35	4.74	2.37		
14	7.85	4.74	9.35	8.90	5.02	7.25	20.12	18.68	18.36	15.20	4.46	2.24		
15	15.05	4.32	8.30	9.95	8.60	5.75	20.44	38.60	14.45	16.44	4.32	2.11		
16	6.65	4.60	7.55	7.70	5.90	6.20	23.80	28.46	12.80	11.15	4.32	2.11		
17	6.35	6.65	6.80	6.20	5.16	6.50	27.74	32.60	19.00	9.50	4.18	2.11		
18	9.50	5.30	7.25	6.65	4.74	5.90	38.60	27.56	44.60	8.75	4.04	2.11		
19	5.90	4.32	7.40	5.02	5.90	6.35	41.80	23.16	78.30	9.50	4.04	1.98		
20	5.45	3.90	5.90	4.60	8.15	6.20	28.64	16.44	37.80	10.25	3.90	1.98		
21	5.90	4.18	7.85	4.32	10.10	8.45	19.48	14.15	25.67	11.15	3.90	1.85		
22	5.45	3.76	6.50	4.46	10.85	10.10	15.65	13.70	21.56	10.70	3.76	1.85		
23	4.46	3.62	6.35	14.45	7.10	12.05	13.40	14.45	18.20	9.35	3.62	1.85		
24	4.04	3.20	19.16	7.55	12.80	9.35	11.75	28.10	16.28	8.90	3.48	2.78		
25	4.04	2.92	23.64	8.45	10.85	7.10	11.60	20.76	14.90	8.15	3.34	2.11		
26	3.90	3.34	16.92	11.00	7.40	6.35	19.32	14.15	13.85	8.45	3.20	1.85		
27	4.46	3.48	11.60	19.00	6.80	5.60	50.34	12.50	13.10	7.40	3.20	1.85		
28	4.04	6.05	7.70	8.30	11.00	17.88	35.66	11.60	12.35	7.25	3.20	1.72		
29	4.18	11.15	6.80	7.85	8.45	23.80	26.01	11.00	11.75	6.95		3.76		
30	5.45	18.52	7.25	6.05	7.55	42.40	20.44	10.55	11.30	6.95		2.24		
31		17.56		7.40	7.40		19.64		10.85	6.95		1.98		
Total	198.27	203.24	393.42	247.68	246.45	284.48	695.84	615.39	629.33	315.58	130.48	78.98	4039.14	CMSDAY
Mean	6.61	6.56	13.11	7.99	7.95	9.48	22.45	20.51	20.30	10.18	4.66	2.55	11.07	CMS
Max	15.05	18.52	39.00	19.00	17.88	42.40	50.34	43.20	78.30	16.44	6.65	5.16	78.30	CMS
Min	3.90	2.92	5.90	4.32	4.74	5.60	11.30	10.55	10.70	6.95	3.20	1.72	1.72	CMS
Runoff	17.13	17.56	33.99	21.40	21.29	24.58	60.12	53.17	54.37	27.27	11.27	6.82	348.98	MCM
Momentary Peak	96.15 CMS. at 23.69 m. (MSL.) at 04.00 Hours , on Dec 19, 2022													
Runoff Yield	47.70	Liters/Second/Square KM.			Momentary Peak Yield			414.44	Liters/Second/Square KM.					

	Ban	Jed Tho	Amphoe	Mueang	Changwat	Ranong
Drainage Area	10	sq.km.				
Type of Gage	Staff	gage.				
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On the bridge over the water.				Elevation	+18.010 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic means of 5 readings					
Period of Available Gage Records	2021 to date.					
Rating Operation						
Period of Rating	2021 to date.					
Rated by Float	-					
Rated by Current Meter	2021 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 2022.					

Gage Height in Meter (MSL.) Water Year April 1, 2022 to March 31, 2023														
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	14.44	14.53	14.62	14.64	14.63	14.70	15.06	14.67	14.61	14.51	14.66	14.42	
	2	14.52	14.55	14.61	14.65	14.64	14.69	14.91	14.66	14.61	14.51	14.64	14.41	
	3	14.53	14.57	14.68	14.86	14.69	14.69	14.86	14.65	14.61	14.51	14.63	14.42	
	4	14.56	14.57	14.64	14.76	14.71	14.76	14.81	14.64	14.67	14.50	14.62	14.42	
	5	14.65	14.58	14.61	14.78	14.69	14.88	14.79	14.64	14.67	14.50	14.59	14.43	
	6	14.61	14.60	14.58	14.69	14.68	14.87	14.77	14.64	14.65	14.50	14.58	14.43	
	7	14.61	14.59	14.62	14.71	14.67	15.00	14.79	14.65	14.63	14.50	14.58	14.42	
	8	14.57	14.54	14.58	14.81	14.67	14.92	14.87	14.63	14.64	14.50	14.57	14.42	
	9	14.56	14.55	14.55	14.91	14.68	14.86	14.79	14.62	14.62	14.50	14.57	14.43	
	10	14.55	14.56	14.56	15.08	14.68	14.81	14.77	14.61	14.61	14.50	14.56	14.42	
	11	14.53	14.60	14.53	14.94	14.67	14.78	14.75	14.60	14.60	14.50	14.58	14.42	
	12	14.51	14.60	14.52	15.03	14.66	14.76	14.73	14.60	14.59	14.50	14.57	14.42	
	13	14.50	14.61	14.51	14.95	14.65	14.74	14.72	14.59	14.59	14.49	14.58	14.41	
	14	14.50	14.58	14.52	14.82	14.65	14.79	14.72	14.60	14.58	14.54	14.55	14.41	
	15	14.51	14.59	14.52	14.76	14.64	14.75	14.91	14.65	14.58	14.59	14.52	14.40	
	16	14.50	14.65	14.51	14.72	14.71	14.73	14.77	14.63	14.57	14.61	14.51	14.40	
	17	14.48	14.68	14.50	14.69	14.74	14.73	14.99	14.68	14.57	14.61	14.51	14.41	
	18	14.51	14.68	14.50	14.67	14.69	14.74	14.98	14.67	14.57	14.63	14.50	14.40	
	19	14.50	14.74	14.49	14.68	14.71	14.94	14.86	14.61	14.56	14.62	14.52	14.41	
	20	14.51	14.73	14.49	14.66	14.71	14.84	14.92	14.60	14.56	14.59	14.53	14.39	
	21	14.50	14.78	14.49	14.89	14.80	14.79	14.97	14.59	14.55	14.59	14.44	14.39	
	22	14.50	14.78	14.49	14.82	14.86	14.76	14.86	14.67	14.55	14.62	14.43	14.39	
	23	14.53	14.71	14.49	14.77	14.84	14.81	14.81	14.67	14.55	14.64	14.42	14.38	
	24	14.53	14.64	14.50	14.72	14.77	14.79	14.78	14.75	14.55	14.62	14.44	14.39	
	25	14.54	14.64	14.53	14.70	14.75	14.76	14.76	14.70	14.54	14.64	14.44	14.39	
	26	14.54	14.67	14.53	14.69	14.73	14.75	14.74	14.71	14.53	14.65	14.43	14.39	
	27	14.50	14.64	14.52	14.67	14.73	14.92	14.73	14.72	14.53	14.65	14.42	14.41	
	28	14.55	14.64	14.54	14.65	14.70	14.93	14.71	14.66	14.53	14.65	14.42	14.40	
	29	14.56	14.75	14.57	14.64	14.73	15.04	14.70	14.64	14.53	14.66		14.37	
	30	14.53	14.73	14.65	14.64	14.70	15.04	14.69	14.63	14.52	14.65		14.38	
	31		14.68		14.63	14.72		14.68		14.52	14.65		14.38	
Mean		14.53	14.64	14.55	14.76	14.71	14.82	14.81	14.65	14.58	14.57	14.53	14.41	
Max		14.65	14.78	14.68	15.08	14.86	15.04	15.06	14.75	14.67	14.66	14.66	14.43	15.08
Min		14.44	14.53	14.49	14.63	14.63	14.69	14.68	14.59	14.52	14.49	14.42	14.37	14.37
Annual Max Momentary Gage Height		16.38		m. (MSL.) ,		at 16.00 Hours , on Oct 21, 2022								
Zero Gage at Bottom Elevation		0.00		m. (MSL.) ,		River Bed	14.10	m. (MSL.)						
Left Bank Elevation		17.04		m. (MSL.) ,										
Right Bank Elevation		17.00		m. (MSL.) ,		Drainage Are	10	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2022 to March 31, 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.18	0.42	0.82	0.94	0.88	1.30	6.38	1.12	0.76	0.34	1.06	0.14		
2	0.38	0.50	0.76	1.00	0.94	1.24	3.47	1.06	0.76	0.34	0.94	0.12		
3	0.42	0.58	1.18	2.82	1.24	1.24	2.82	1.00	0.76	0.34	0.88	0.14		
4	0.54	0.58	0.94	1.78	1.38	1.78	2.22	0.94	1.12	0.30	0.82	0.14		
5	1.00	0.62	0.76	1.94	1.24	3.06	2.02	0.94	1.12	0.30	0.66	0.16		
6	0.76	0.70	0.62	1.24	1.18	2.94	1.86	0.94	1.00	0.30	0.62	0.16		
7	0.76	0.66	0.82	1.38	1.12	5.00	2.02	1.00	0.88	0.30	0.62	0.14		
8	0.58	0.46	0.62	2.22	1.12	3.64	2.94	0.88	0.94	0.30	0.58	0.14		
9	0.54	0.50	0.50	3.47	1.18	2.82	2.02	0.82	0.82	0.30	0.58	0.16		
10	0.50	0.54	0.54	6.84	1.18	2.22	1.86	0.76	0.76	0.30	0.54	0.14		
11	0.42	0.70	0.42	3.98	1.12	1.94	1.70	0.70	0.70	0.30	0.62	0.14		
12	0.34	0.70	0.38	5.69	1.06	1.78	1.54	0.70	0.66	0.30	0.58	0.14		
13	0.30	0.76	0.34	4.15	1.00	1.62	1.46	0.66	0.66	0.28	0.62	0.12		
14	0.30	0.62	0.38	2.34	1.00	2.02	1.46	0.70	0.62	0.46	0.50	0.12		
15	0.34	0.66	0.38	1.78	0.94	1.70	3.47	1.00	0.62	0.66	0.38	0.10		
16	0.30	1.00	0.34	1.46	1.38	1.54	1.86	0.88	0.58	0.76	0.34	0.10		
17	0.26	1.18	0.30	1.24	1.62	1.54	4.83	1.18	0.58	0.76	0.34	0.12		
18	0.34	1.18	0.30	1.12	1.24	1.62	4.66	1.12	0.58	0.88	0.30	0.10		
19	0.30	1.62	0.28	1.18	1.38	3.98	2.82	0.76	0.54	0.82	0.38	0.12		
20	0.34	1.54	0.28	1.06	1.38	2.58	3.64	0.70	0.54	0.66	0.42	0.09		
21	0.30	1.94	0.28	3.18	2.10	2.02	4.49	0.66	0.50	0.66	0.18	0.09		
22	0.30	1.94	0.28	2.34	2.82	1.78	2.82	1.12	0.50	0.82	0.16	0.09		
23	0.42	1.38	0.28	1.86	2.58	2.22	2.22	1.12	0.50	0.94	0.14	0.08		
24	0.42	0.94	0.30	1.46	1.86	2.02	1.94	1.70	0.50	0.82	0.18	0.09		
25	0.46	0.94	0.42	1.30	1.70	1.78	1.78	1.30	0.46	0.94	0.18	0.09		
26	0.46	1.12	0.42	1.24	1.54	1.70	1.62	1.38	0.42	1.00	0.16	0.09		
27	0.30	0.94	0.38	1.12	1.54	3.64	1.54	1.46	0.42	1.00	0.14	0.12		
28	0.50	0.94	0.46	1.00	1.30	3.81	1.38	1.06	0.42	1.00	0.14	0.10		
29	0.54	1.70	0.58	0.94	1.54	5.92	1.30	0.94	0.42	1.06		0.07		
30	0.42	1.54	1.00	0.94	1.30	5.92	1.24	0.88	0.38	1.00		0.08		
31		1.18		0.88	1.46		1.18		0.38	1.00		0.08		
Total	13.02	30.08	15.36	63.89	43.32	76.37	76.56	29.48	19.90	19.24	13.06	3.57	403.85	CMSDAY
Mean	0.43	0.97	0.51	2.06	1.40	2.55	2.47	0.98	0.64	0.62	0.47	0.12	1.11	CMS
Max	1.00	1.94	1.18	6.84	2.82	5.92	6.38	1.70	1.12	1.06	1.06	0.16	6.84	CMS
Min	0.18	0.42	0.28	0.88	0.88	1.24	1.18	0.66	0.38	0.28	0.14	0.07	0.07	CMS
Runoff	1.12	2.60	1.33	5.52	3.74	6.60	6.61	2.55	1.72	1.66	1.13	0.31	34.89	MCM
Momentary Peak	CMS. at 16.38 m. (MSL.) at 16.00 Hours , on Oct 21, 2022													
Runoff Yield	110.64 Liters/Second/Square KM.				Momentary Peak Yield 4708.00				Liters/Second/Square KM.					

Suspended Sediment Station

Water Year 2022

WATER YEAR : 2022**NAM MAE KOK RIVER BASIN****Nam Mae Lao at Ban Ton Yang , Chiang Rai (G.8)**

Lat 19 - 47 - 37 N Long 99 - 44 - 59 E

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

	Ban	Ton Yang	Amphoe	Mae Lao	Changwat	Chiang Rai
Drainage Area	2,943	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1997-Cont'd					
Actual Measurement	1997-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	34					
R-Square	0.9690					
Remarks	Continued Sediment Station					

$$QS = 1.8644 QW^{1.59790}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.17	41.39	92.73	2554.72	1674.02	837.96	4073.79	488.58	338.37	2.49	1.15	1.47	
2	4.60	62.86	134.63	8794.78	2193.83	741.74	7770.23	432.19	350.76	2.49	1.05	1.47	
3	22.41	127.61	71.29	5386.80	1407.52	658.79	8734.86	432.19	363.31	2.49	1.25	1.47	
4	24.56	124.15	25.66	1867.71	825.69	566.37	8854.86	472.17	357.12	2.02	1.05	1.47	
5	13.93	87.39	20.47	602.71	557.29	1258.78	7922.40	464.16	332.34	1.72	1.25	1.58	
6	6.62	66.91	20.47	496.98	1947.40	2907.75	5719.57	472.17	308.23	1.72	1.25	1.47	
7	4.23	62.86	20.47	357.12	2385.77	1731.29	4352.45	439.99	284.80	1.86	1.05	1.36	
8	3.19	156.53	17.91	338.37	5761.69	1274.84	3221.69	401.07	273.35	1.58	1.05	1.47	
9	3.19	225.74	12.50	363.31	10383.16	1987.70	2854.29	363.31	267.60	1.72	1.05	1.47	
10	5.38	193.16	12.50	225.74	7770.23	2935.79	3517.41	320.20	262.08	1.86	1.15	1.47	
11	3.87	220.92	11.84	302.21	5345.73	6363.39	4352.45	464.16	250.98	1.72	1.15	1.58	
12	3.19	278.96	10.56	401.07	6363.39	8437.57	3547.51	448.07	240.43	1.72	1.05	1.86	
13	2.02	296.43	11.84	566.37	8437.57	7074.81	2992.18	378.21	230.60	1.58	0.87	2.02	
14	1.72	278.96	20.47	938.50	5931.32	6102.78	2653.20	378.21	225.74	1.47	0.87	2.02	
15	2.02	206.69	18.75	1181.92	4042.08	5761.69	2409.64	357.12	216.14	1.47	0.87	2.84	
16	1.86	138.20	25.66	1152.09	2803.50	4783.23	2110.46	338.37	206.69	1.47	1.05	3.19	
17	1.15	87.39	41.39	765.38	2727.96	3517.41	1750.54	488.58	152.80	1.47	1.36	2.33	
18	2.66	250.98	29.08	439.99	2007.97	3978.95	1274.84	789.30	184.77	1.72	1.47	1.86	
19	18.75	602.71	29.08	220.92	1655.09	3608.01	1007.25	887.70	180.63	1.86	2.02	1.72	
20	16.27	488.58	22.41	302.21	1242.45	2603.78	925.70	639.89	172.45	1.86	2.02	1.86	
21	21.36	813.49	15.48	290.49	1828.34	2803.50	875.16	566.37	172.45	1.47	2.02	1.86	
22	21.36	7369.86	15.48	1242.45	4494.35	2506.01	837.96	566.37	168.42	1.86	1.72	1.58	
23	20.47	11275.73	7.60	4317.24	4783.23	4247.14	765.38	505.20	164.42	1.86	1.58	1.47	
24	17.91	9525.69	31.45	3978.95	2385.77	8281.75	850.29	439.99	124.15	1.86	1.72	1.36	
25	11.19	5304.78	31.45	2257.14	1510.22	6232.58	789.30	363.31	44.48	1.58	1.58	1.36	
26	8.16	2828.86	17.08	925.70	1493.09	5593.91	668.19	416.52	32.65	1.58	1.58	1.25	
27	6.62	1580.17	11.19	273.35	3192.65	7419.47	621.20	464.16	27.92	1.58	1.47	1.25	
28	4.60	965.23	8.16	120.73	2364.14	6016.82	621.20	448.07	13.93	1.47	1.47	1.25	
29	3.87	649.18	6.62	62.86	1750.54	4387.76	649.18	439.99	9.94	1.36		1.25	
30	11.19	455.97	240.43	47.64	1291.33	3457.49	602.71	378.21	6.19	1.15		1.15	
31		127.61		488.58	993.17		530.88		2.84	1.15		1.05	
Total	270.52	44894.99	1034.65	41264.03	101550.49	118079.06	87856.77	14043.83	5966.58	53.21	37.17	50.81	415102.11 Tonday
Mean	9.02	1448.23	34.49	1331.10	3275.82	3935.97	2834.09	468.13	192.47	1.72	1.33	1.64	1137.27 Ton/day
Max	24.56	11275.73	240.43	8794.78	10383.16	8437.57	8854.86	887.70	363.31	2.49	2.02	3.19	11275.73 Ton/day
Min	1.15	41.39	6.62	47.64	557.29	566.37	530.88	320.20	2.84	1.15	0.87	1.05	0.87 Ton/day

WATER YEAR : 2022**NAM MAE KOK RIVER BASIN****Nam Mae Suai at Ban Kariang Thung Phrao , Chiang Rai (G.9)**

Lat 19 - 44 - 46 N Long 99 - 30 - 03 E

Location : on right bank at the bridge on road.

	Ban Kariang Thung Phrao Amphoe Mae Suai Changwat Chiang Rai
Drainge Area	388 sq.km.
Method of sampling	Depth Integrating
Instrument Used	US.D-49
Period of Available Records	1998-Cont'd
Actual Measurement	1998-Cont'd
Using Rating Curve Water Year	2022
Number of observation	27
R-Square	0.8607
Remarks	Continued Sediment Station

$$QS = 1.1727 QW^{2.03510}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	16.62	13.81	21.34	13.81	390.66	410.60	1050.06	172.88	26.65	12.51	6.05	4.81	
2	12.51	13.81	21.34	19.70	57.65	164.22	1122.47	200.22	26.65	12.51	6.05	4.81	
3	12.51	13.81	18.13	15.19	66.26	164.22	1501.38	164.22	26.65	12.51	5.41	4.81	
4	13.81	13.81	18.13	18.13	23.04	155.79	1245.59	139.60	26.65	12.51	4.28	3.79	
5	13.81	13.81	18.13	21.34	21.34	147.58	912.60	139.60	26.65	12.51	4.81	3.79	
6	13.81	13.81	18.13	24.81	21.34	241.28	756.47	139.60	26.65	12.51	5.41	3.79	
7	13.81	13.81	16.62	34.13	24.81	190.88	670.65	124.31	26.65	11.57	4.81	3.79	
8	13.81	15.19	13.81	40.21	847.55	352.28	670.65	124.31	24.81	8.99	4.81	3.33	
9	13.81	23.04	13.81	40.21	727.28	410.60	756.47	124.31	23.04	8.99	4.81	2.90	
10	13.81	31.27	13.81	34.13	164.22	164.22	1122.47	117.01	21.34	8.99	4.81	2.90	
11	13.81	24.81	13.81	26.65	87.02	371.22	698.67	92.65	21.34	8.99	4.81	2.90	
12	13.81	19.70	13.81	16.62	1909.60	616.35	590.08	92.65	21.34	8.99	4.81	2.90	
13	13.81	13.81	13.81	11.57	643.21	879.77	540.90	92.65	21.34	8.99	4.81	3.33	
14	13.81	13.81	13.81	21.34	318.39	980.11	473.47	81.56	21.34	8.99	4.28	4.28	
15	13.81	13.81	13.81	21.34	410.60	1085.96	431.05	46.81	19.70	8.99	4.28	4.28	
16	13.81	18.13	13.81	21.34	590.08	1245.59	286.25	46.81	18.13	8.99	6.73	3.79	
17	13.81	37.11	12.51	21.34	495.44	1344.99	286.25	46.81	18.13	8.99	6.73	3.79	
18	16.62	19.70	8.99	21.34	352.28	1501.38	318.39	46.81	18.13	8.99	6.05	3.79	
19	43.45	12.51	6.73	21.34	286.25	1197.34	352.28	46.81	18.13	8.99	6.05	2.90	
20	40.21	31.27	4.81	21.34	286.25	1014.78	318.39	43.45	15.19	8.99	5.41	2.90	
21	26.65	756.47	3.79	61.52	371.22	698.67	302.10	40.21	15.19	8.99	5.41	2.90	
22	18.13	50.29	2.90	200.22	3748.99	786.24	255.84	34.13	15.19	8.20	4.81	2.90	
23	16.62	31.27	2.90	98.47	1245.59	2763.51	155.79	31.27	13.81	6.73	4.81	2.90	
24	15.19	37.11	10.67	24.81	756.47	3455.62	117.01	31.27	13.81	6.73	4.81	2.13	
25	13.81	40.21	3.79	21.34	540.90	2039.04	124.31	31.27	13.81	6.73	4.81	2.13	
26	13.81	34.13	3.79	21.34	540.90	1448.28	227.16	31.27	12.51	6.05	4.81	2.13	
27	13.81	28.55	5.41	21.34	643.21	1197.34	270.82	28.55	10.67	6.05	4.81	2.50	
28	13.81	23.04	6.73	21.34	270.82	980.11	255.84	31.27	12.51	6.05	4.81	2.13	
29	13.81	21.34	7.45	21.34	172.88	727.28	241.28	31.27	12.51	6.05		1.79	
30	13.81	21.34	19.70	1014.78	164.22	847.55	241.28	31.27	12.51	6.05		1.79	
31		21.34		270.82	270.82		200.22		12.51	6.05		1.79	
Total	494.71	1435.92	356.28	2243.20	16449.29	27582.80	16496.19	2404.85	593.54	277.18	144.29	98.67	68576.92 Tonday
Mean	16.49	46.32	11.88	72.36	530.62	919.43	532.14	80.16	19.15	8.94	5.15	3.18	187.88 Ton/day
Max	43.45	756.47	21.34	1014.78	3748.99	3455.62	1501.38	200.22	26.65	12.51	6.73	4.81	3748.99 Ton/day
Min	12.51	12.51	2.90	11.57	21.34	147.58	117.01	28.55	10.67	6.05	4.28	1.79	1.79 Ton/day

WATER YEAR : 2022**NAM MAE ING RIVER BASIN****Nam Mae Ing at Ban Nam Ing , Chiang Rai (I.14)**

Lat 19 - 50 - 00 N Long 100 - 12 - 03 E

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

	Ban Nam Ing	Amphoe Khun Tan	Changwat Chiang Rai
Drainage Area	6,220 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1994-Cont'd		
Actual Measurement	1994-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	24		
R-Square	0.9675		
Remarks	Continued Sediment Station		

$$QS = 1.9387 QW^{1.28620}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	23.95	54.91	941.30	251.58	1588.45	2719.23	4163.14	433.14	35.51	4.43	4.88	2.32	
2	31.51	54.91	1091.95	1031.09	1675.51	2658.12	4163.14	414.94	31.51	4.43	4.88	2.32	
3	57.13	54.91	1389.46	1920.09	1675.51	2493.81	4205.81	396.93	41.13	4.88	4.88	2.32	
4	59.36	50.55	1310.81	2780.66	1675.51	2139.15	4272.06	379.49	66.17	4.88	4.43	2.32	
5	59.36	45.45	923.56	3327.74	1459.85	2205.77	4272.06	351.49	50.55	4.88	4.43	2.32	
6	59.36	45.45	594.34	2902.51	1272.67	2614.65	4238.91	316.21	31.51	4.88	4.43	2.32	
7	59.36	45.45	396.93	2855.02	1228.49	2902.51	4152.84	316.21	26.42	4.88	3.98	2.32	
8	57.13	45.45	231.16	2817.15	1310.81	2826.61	4091.11	327.88	19.34	5.88	3.98	2.32	
9	59.36	38.29	218.24	2798.26	1712.09	2666.83	4039.83	335.71	19.34	5.88	3.98	2.32	
10	61.61	25.17	88.11	2763.08	2264.42	2745.52	3988.69	339.64	15.13	5.88	3.98	2.32	
11	63.88	30.22	18.27	2719.23	2459.52	2969.29	3968.28	304.64	9.93	5.88	3.98	2.32	
12	63.88	45.45	30.22	2727.99	3017.19	3545.08	4029.59	251.58	9.93	5.88	3.98	1.94	
13	63.88	108.96	41.13	2798.26	3856.42	3765.43	4039.83	180.50	9.93	5.88	3.98	1.57	
14	61.61	276.06	45.45	2864.50	4050.07	3181.33	4009.13	94.87	22.73	5.88	3.98	1.57	
15	61.61	272.54	48.39	2921.56	4152.84	3545.08	4009.13	99.52	17.21	5.88	3.55	1.57	
16	61.61	180.50	50.55	2883.49	4227.87	3674.93	4009.13	241.25	22.73	5.88	2.72	1.57	
17	39.70	99.52	66.17	2789.46	4194.79	3765.43	4009.13	347.53	25.17	5.88	2.72	1.57	
18	22.73	70.80	66.17	2605.98	4121.95	3866.56	3836.16	251.58	25.17	4.88	2.72	1.57	
19	22.73	88.11	70.80	2306.53	4019.36	4173.46	3715.09	211.84	21.53	4.88	2.72	1.57	
20	22.73	116.16	77.19	2073.00	3917.34	3968.28	3584.92	211.84	14.11	4.88	2.72	1.57	
21	22.73	272.54	70.80	2331.87	3836.16	3958.08	3386.71	211.84	9.93	4.88	2.72	1.57	
22	22.73	1073.61	66.17	2693.00	3826.04	3968.28	3161.92	165.26	8.72	4.88	2.72	1.57	
23	22.73	1726.77	68.48	2684.27	3876.70	4050.07	2693.00	94.87	5.88	4.43	2.72	1.57	
24	22.73	2247.63	72.92	2826.61	3886.86	4132.24	2264.42	66.17	4.43	4.88	2.32	2.72	
25	31.51	1935.14	75.05	2789.46	3815.92	4173.46	1990.97	48.39	4.43	4.88	2.32	4.88	
26	316.21	1531.00	88.11	2519.59	3715.09	4238.91	1495.33	48.39	4.43	4.88	2.32	4.88	
27	237.83	1323.58	101.86	2348.80	3604.88	4283.13	1241.07	50.55	4.43	4.88	2.32	4.88	
28	237.83	1234.78	77.19	1920.09	3455.80	4294.20	724.75	66.17	4.43	4.88	2.32	4.88	
29	237.83	1165.98	46.92	1860.12	3220.23	4227.87	355.46	54.91	4.43	4.88		4.88	
30	156.27	1079.71	34.13	1355.63	2998.01	4163.14	323.98	38.29	4.43	4.88		4.88	
31		1012.99		1323.58	2807.71		433.14		4.43	4.88		4.88	
Total	2320.89	16352.59	8401.83	74790.20	92924.06	103916.45	98868.73	6651.63	575.02	159.93	96.68	81.61	405139.62 Ton/day
Mean	77.36	527.50	280.06	2412.59	2997.55	3463.88	3189.31	221.72	18.55	5.16	3.45	2.63	1109.97 Ton/day
Max	316.21	2247.63	1389.46	3327.74	4227.87	4294.20	4272.06	433.14	66.17	5.88	4.88	4.88	4294.20 Ton/day
Min	22.73	25.17	18.27	251.58	1228.49	2139.15	323.98	38.29	4.43	4.43	2.32	1.57	1.57 Ton/day

WATER YEAR : 2022**KHONG RIVER BASIN****Nam Mae Kham at Ban Mae Kham Lak Chet , Chiang Rai (Kh.72)**

Lat 20 - 13 - 07 N Long 99 - 51 - 25 E

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

	Ban	Mae Kham Lak Chet	Amphoe	Mae Chan	Changwat	Chiang Rai
Drainge Area	652	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1997-Cont'd					
Actual Measurement	1997-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	31					
R-Square	0.9289					
Remarks	Continued Sediment Station					

$$QS = 1.9351 QW^{1.85580}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.31	2.08	8.93	1589.71	314.25	499.73	985.47	380.25	208.20	38.36	13.69	10.13	
2	2.88	1.86	10.13	8806.94	254.10	406.48	4581.07	397.65	213.82	39.79	13.69	10.13	
3	2.88	2.08	11.40	1003.36	261.30	363.21	7373.92	388.90	226.25	35.56	13.69	10.13	
4	2.08	1.66	12.91	850.12	275.97	607.87	3196.39	363.21	202.64	35.56	13.69	9.52	
5	1.66	1.66	14.50	1093.00	314.25	2319.59	1767.75	330.21	181.11	34.20	13.69	9.52	
6	1.28	1.66	16.18	208.20	363.21	1928.38	1427.20	330.21	165.70	31.55	13.69	8.93	
7	1.46	1.46	17.94	85.48	470.82	645.03	1449.92	322.18	153.34	31.55	12.91	8.36	
8	1.46	1.46	19.79	39.79	3418.72	549.66	4858.75	306.41	145.35	31.55	12.91	5.76	
9	1.46	1.66	21.94	35.56	1589.71	722.39	1742.02	306.41	145.35	28.99	11.40	6.24	
10	1.46	2.31	25.35	53.80	789.94	883.10	1519.07	298.66	137.55	28.99	11.40	6.75	
11	1.46	3.86	28.99	254.10	607.87	6857.94	1272.80	291.01	133.73	28.99	11.40	7.27	
12	2.08	10.76	32.86	191.74	14926.13	6931.27	1167.53	291.01	133.73	30.26	11.40	6.75	
13	2.08	6.75	42.74	1075.05	7915.41	3836.24	1056.59	275.97	126.23	25.35	11.40	6.75	
14	1.86	6.24	52.15	261.30	2492.37	2095.44	968.36	275.97	118.93	23.05	11.40	7.27	
15	1.86	5.76	35.56	213.82	1427.20	1337.98	883.10	291.01	118.93	21.94	11.40	10.13	
16	1.46	4.96	28.99	186.39	916.65	1427.20	817.73	371.68	111.84	23.05	11.40	20.85	
17	2.31	5.35	18.85	191.74	735.68	1519.07	735.68	322.18	104.94	21.94	11.40	15.33	
18	6.24	5.35	12.14	122.56	632.53	1111.76	632.53	338.32	91.76	19.79	11.40	16.18	
19	10.76	4.96	12.91	70.67	620.15	985.47	549.66	346.53	94.98	19.79	12.91	15.33	
20	23.05	4.96	16.18	735.68	452.00	1149.03	519.44	330.21	98.25	20.85	10.76	10.13	
21	18.85	60.65	17.94	762.59	509.54	1093.00	509.54	298.66	88.59	20.85	10.76	7.27	
22	14.50	2980.96	19.79	5168.51	5105.85	1167.53	499.73	233.07	60.65	18.85	10.76	7.27	
23	4.58	122.56	44.25	5358.60	1589.71	5616.96	499.73	208.20	52.15	18.85	10.76	7.27	
24	3.19	36.95	850.12	1519.07	762.59	2388.01	490.00	233.07	42.74	17.94	10.13	6.24	
25	2.31	24.19	55.48	470.82	696.16	1251.41	480.37	247.00	39.79	13.69	10.13	6.24	
26	2.08	11.40	16.18	314.25	789.94	1093.00	461.37	268.59	38.36	13.69	9.52	5.76	
27	1.66	10.76	11.40	233.07	1664.25	900.10	452.00	268.59	34.20	13.69	9.52	5.76	
28	1.66	10.13	5.76	197.15	834.15	776.21	519.44	254.10	35.56	13.69	9.52	5.76	
29	1.28	9.52	4.96	247.00	620.15	620.15	645.03	226.25	38.36	13.69		5.76	
30	1.46	8.93	12.91	595.71	490.00	583.66	595.71	219.51	42.74	13.69		5.76	
31		8.36		470.82	461.37		424.42		39.79	13.69		6.24	
Total	123.66	3361.25	1479.23	32406.60	52301.97	51666.87	43082.32	9015.02	3425.56	743.43	326.73	270.79	198203.43 Tonday
Mean	4.12	108.43	49.31	1045.37	1687.16	1722.23	1389.75	300.50	110.50	23.98	11.67	8.74	543.02 Ton/day
Max	23.05	2980.96	850.12	8806.94	14926.13	6931.27	7373.92	397.65	226.25	39.79	13.69	20.85	14926.13 Ton/day
Min	1.28	1.46	4.96	35.56	254.10	363.21	424.42	208.20	34.20	13.69	9.52	5.76	1.28 Ton/day

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	3.85	38.70	12.97	15.01	31.40	560.54	0.00	0.00	0.00	0.00	0.00	
2	0.00	4.39	64.86	10.35	15.01	47.56	846.16	0.00	0.00	0.00	0.00	0.00	
3	0.00	6.07	46.27	7.85	15.70	94.74	1477.75	0.00	0.00	0.00	0.00	0.00	
4	0.00	7.25	63.49	7.25	16.40	204.03	1558.18	0.00	0.00	0.00	0.00	0.00	
5	0.00	9.08	75.98	11.65	19.25	194.97	1251.28	0.00	0.00	0.00	0.00	0.00	
6	0.00	11.00	63.49	17.10	22.18	137.58	1171.06	0.00	0.00	0.00	0.00	0.00	
7	0.00	12.31	51.45	22.92	29.04	97.70	1013.82	0.00	0.00	0.00	0.00	0.00	
8	0.00	14.33	38.70	30.22	87.43	97.70	706.31	0.00	0.00	0.00	0.00	0.00	
9	0.00	16.40	27.87	39.94	269.59	118.85	423.08	0.00	0.00	0.00	0.00	0.00	
10	0.00	17.81	18.53	50.15	286.51	234.03	274.40	0.00	0.00	0.00	0.00	0.00	
11	0.00	94.74	12.31	68.99	303.62	391.87	181.52	0.00	0.00	0.00	0.00	0.00	
12	0.00	313.48	6.07	132.85	345.94	627.66	114.25	0.00	0.00	0.00	0.00	0.00	
13	0.00	296.26	0.99	231.70	386.71	1029.35	75.98	0.00	0.00	0.00	0.00	0.00	
14	0.00	177.08	0.00	356.05	417.85	1123.44	54.09	0.00	0.00	0.00	0.00	0.00	
15	0.00	121.93	0.00	438.86	338.40	823.76	37.46	0.00	0.00	0.00	0.00	0.00	
16	0.00	102.16	0.00	449.44	224.72	515.26	32.60	0.00	0.00	0.00	0.00	0.00	
17	0.00	81.67	0.60	313.48	145.54	379.00	29.04	0.00	0.00	0.00	0.00	0.00	
18	0.00	56.74	1.41	201.76	148.74	353.52	23.67	0.00	0.00	0.00	0.00	0.00	
19	0.00	39.94	2.33	174.86	174.86	345.94	0.00	0.00	0.00	0.00	0.00	0.00	
20	0.00	33.80	4.39	174.86	213.18	340.91	0.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	43.72	7.25	210.89	248.14	361.13	0.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	62.13	11.00	227.04	276.82	386.71	0.00	0.00	0.00	0.00	0.00	0.00	
23	0.00	87.43	15.01	288.94	245.78	410.02	0.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	80.24	19.25	404.82	142.34	389.29	0.00	0.00	0.00	0.00	0.00	0.00	
25	0.00	68.99	24.42	328.38	100.67	308.54	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.00	56.74	31.40	227.04	147.14	428.33	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	31.40	38.70	140.75	206.31	627.66	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.00	22.92	42.45	75.98	201.76	859.65	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	23.67	19.97	30.22	131.28	749.94	0.00	0.00	0.00	0.00		0.00	
30	0.25	23.67	16.40	22.92	81.67	543.99	0.00	0.00	0.00	0.00		0.00	
31		24.42		17.81	48.85		0.00		0.00	0.00		0.00	

WATER YEAR : 2022**KHONG RIVER BASIN****Loei River at Ban Na Lak , Loei (Kh.28A)**

Lat 17 - 18 - 44 N Long 101 - 46 - 21 E

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

	Ban	Na Lak	Amphoe	Wang Saphung	Changwat	Loei
Drainage Area	1,289	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1998-Cont'd					
Actual Measurement	1998-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	20					
R-Square	0.8992					
Remarks	Continued Sediment Station					

$$QS = 0.4898 QW^{1.76580}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.05	3.27	4.12	3.88	104.10	553.83	25609.98	9.03	7.99	0.28	13.31	19.82	
2	3.99	3.88	3.63	4.91	69.16	409.89	26775.85	8.49	7.64	0.26	19.56	19.82	
3	4.12	3.88	3.39	5.61	93.73	296.13	28743.48	8.67	7.64	0.26	22.38	19.82	
4	3.99	3.51	4.12	6.23	64.78	237.71	31820.90	8.85	7.47	0.31	22.11	19.82	
5	3.88	3.76	3.88	5.61	80.65	268.89	19949.06	8.85	7.47	0.35	21.84	19.82	
6	3.76	3.39	3.27	4.77	60.53	825.63	5952.89	8.49	7.33	0.41	21.84	19.30	
7	3.76	3.88	2.94	4.77	80.65	561.15	3896.13	8.49	7.33	0.38	21.35	19.30	
8	3.76	7.64	3.06	4.91	167.18	318.74	2197.97	8.34	7.33	0.33	21.08	19.30	
9	3.99	10.52	3.76	20.12	285.10	583.36	1329.19	8.67	7.17	0.38	20.56	19.05	
10	3.76	9.56	3.76	20.12	941.77	3998.75	1286.81	7.47	7.00	0.49	20.29	19.05	
11	3.99	7.33	3.63	20.99	3998.75	6805.55	1193.65	9.03	6.84	0.43	20.03	19.05	
12	3.88	6.68	3.06	21.89	1515.89	5917.17	636.62	7.64	7.00	0.41	19.82	19.05	
13	3.88	5.92	2.94	73.66	708.04	2960.68	403.50	8.85	7.17	0.33	19.56	19.05	
14	3.99	5.49	3.51	843.07	253.09	869.52	307.35	7.99	7.00	0.22	19.30	19.05	
15	4.12	5.49	3.88	708.04	175.96	378.40	253.09	7.33	6.84	0.20	19.05	19.05	
16	3.76	4.52	4.25	324.51	142.02	290.59	73.66	7.99	6.68	0.35	19.30	19.05	
17	4.12	6.07	5.05	274.24	189.49	348.02	48.52	7.99	3.51	0.33	19.05	18.80	
18	93.73	7.47	3.99	263.57	258.31	532.13	54.38	7.82	0.41	0.31	18.80	18.80	
19	708.04	5.20	3.39	189.49	158.59	429.30	34.34	7.17	0.55	0.26	18.54	19.05	
20	138.00	5.92	2.94	422.78	130.11	208.21	28.06	6.84	0.61	0.26	18.09	18.80	
21	7.33	12.49	2.83	860.66	409.89	158.59	28.06	6.68	0.58	0.08	17.84	18.80	
22	5.61	10.88	2.94	1113.40	1318.54	134.03	23.71	8.16	0.97	0.14	19.30	18.34	
23	4.52	7.82	3.17	1504.61	774.28	237.71	22.79	7.82	0.97	0.16	20.03	18.09	
24	3.99	5.76	3.63	950.98	253.09	247.92	69.16	8.16	0.55	0.16	20.03	17.84	
25	3.51	5.05	4.38	301.72	208.21	2281.58	126.24	9.75	0.33	0.18	20.03	17.84	
26	3.39	4.25	4.52	158.59	171.54	29814.12	111.27	10.33	0.35	0.43	19.82	17.84	
27	3.27	3.88	3.99	217.85	285.10	15603.14	10.68	9.56	0.35	0.20	19.82	18.54	
28	3.39	3.76	3.63	107.66	307.35	3152.01	9.75	9.94	0.28	0.05	19.82	18.80	
29	3.99	3.17	3.63	83.84	114.94	950.98	9.56	9.22	0.35	0.61		18.54	
30	3.39	3.17	3.76	93.73	130.11	3448.71	9.40	8.49	0.43	2.94		18.54	
31		3.76		93.73	232.67		9.40		0.38	7.64		18.54	
Total	1049.96	177.37	109.05	8709.94	13683.62	82822.44	151025.45	252.11	126.52	19.14	552.55	586.56	259114.71 Tonday
Mean	35.00	5.72	3.63	280.97	441.41	2760.75	4871.79	8.40	4.08	0.62	19.73	18.92	709.90 Ton/day
Max	708.04	12.49	5.05	1504.61	3998.75	29814.12	31820.90	10.33	7.99	7.64	22.38	19.82	31820.90 Ton/day
Min	3.27	3.17	2.83	3.88	60.53	134.03	9.40	6.68	0.28	0.05	13.31	17.84	0.05 Ton/day

WATER YEAR : 2022**KHONG RIVER BASIN****Huai Luang at Ban Nong Wua So , Udon Thani (Kh.53)**

Lat 17 - 15 - 57 N Long 102 - 35 - 33 E

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

	Ban Nong Wua So	Amphoe Nong Wua So	Changwat Udon Thani
Drainage Area	419 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1999-Cont'd		
Actual Measurement	1999-Cont'd		
Using Rating Curve Water Year	1999-2003, 2020-2022		
Number of observation	106		
R-Square	0.7148		
Remarks	Continued Sediment Station		

$$QS = 1.7168 QW^{1.39810}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	2.01	0.00	1.08	35.51	254.89	1.08	0.48	0.00	0.00	0.00	
2	0.00	0.00	1.44	0.00	5.27	35.51	384.82	1.08	0.48	0.00	0.00	0.00	
3	0.00	0.00	0.76	0.00	4.40	77.45	329.97	1.08	0.35	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	3.31	155.45	248.44	1.08	0.13	0.00	0.00	0.00	
5	0.00	0.00	0.13	0.00	4.40	96.90	242.03	1.08	0.05	0.00	0.00	0.00	
6	0.00	0.00	0.13	0.00	4.12	71.00	248.44	1.08	0.05	0.00	0.00	0.00	
7	0.00	0.00	0.13	0.35	2.86	50.18	242.03	0.92	0.05	0.00	0.00	0.00	
8	0.00	0.00	0.05	0.13	2.42	34.49	181.13	0.62	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.35	2.42	51.25	82.83	0.48	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	1.44	11.47	84.65	41.62	0.35	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	2.86	17.16	158.93	22.91	0.35	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	2.01	15.39	92.39	14.23	0.35	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	4.12	17.16	55.72	9.11	0.23	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	7.98	15.97	37.52	5.57	0.23	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	6.88	12.01	32.53	4.40	0.05	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	7.98	8.35	31.59	4.12	0.05	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.35	4.40	6.18	36.48	4.40	0.05	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.92	2.22	4.68	45.84	4.40	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.92	1.08	3.31	41.62	3.84	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.35	0.48	2.86	27.97	3.31	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.13	0.76	17.16	18.99	3.08	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	22.91	22.91	15.97	2.86	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	13.11	20.87	28.72	2.64	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	7.61	20.24	29.69	2.22	0.48	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	4.40	32.53	40.55	1.81	1.08	0.00	0.00	0.00	0.00	
26	0.00	0.05	0.00	2.22	58.00	96.90	2.01	2.64	0.00	0.00	0.00	0.00	
27	0.00	0.13	0.13	1.08	56.89	223.09	1.81	2.22	0.00	0.00	0.00	0.00	
28	0.00	0.05	0.00	0.76	39.55	308.71	1.62	1.44	0.00	0.00	0.00	0.00	
29	0.00	0.23	0.00	0.48	25.04	254.89	1.44	0.92	0.00	0.00		0.00	
30	0.00	0.62	0.00	0.76	18.38	218.31	1.08	0.76	0.00	0.00		0.00	
31		0.62		0.62	14.23		1.08		0.00	0.00		0.00	
Total	0.00	1.70	7.45	96.99	470.62	2488.80	2354.14	19.70	1.59	0.00	0.00	0.00	5440.99 Tonday
Mean	0.00	0.05	0.25	3.13	15.18	82.96	75.94	0.66	0.05	0.00	0.00	0.00	14.91 Ton/day
Max	0.00	0.62	2.01	22.91	58.00	308.71	384.82	2.64	0.48	0.00	0.00	0.00	384.82 Ton/day
Min	0.00	0.00	0.00	0.00	1.08	15.97	1.08	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**KHONG RIVER BASIN****Loei River at Ban Fak loei , Loei (Kh.58A)**

Lat 17 - 29 - 42 N Long 101 - 44 - 04 E

Location : on left bank at the bridge on road.

	Ban Fak Loei	Amphoe Mueang	Changwat Loei
Drainage Area	3,230 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	36		
R-Square	0.9139		
Remarks	Continued Sediment Station		

$$QS = 0.5099 QW^{1.62780}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.05	3.27	4.12	3.88	104.10	553.83	25609.98	9.03	7.99	0.28	13.31	19.82	
2	3.99	3.88	3.63	4.91	69.16	409.89	26775.85	8.49	7.64	0.26	19.56	19.82	
3	4.12	3.88	3.39	5.61	93.73	296.13	28743.48	8.67	7.64	0.26	22.38	19.82	
4	3.99	3.51	4.12	6.23	64.78	237.71	31820.90	8.85	7.47	0.31	22.11	19.82	
5	3.88	3.76	3.88	5.61	80.65	268.89	19949.06	8.85	7.47	0.35	21.84	19.82	
6	3.76	3.39	3.27	4.77	60.53	825.63	5952.89	8.49	7.33	0.41	21.84	19.30	
7	3.76	3.88	2.94	4.77	80.65	561.15	3896.13	8.49	7.33	0.38	21.35	19.30	
8	3.76	7.64	3.06	4.91	167.18	318.74	2197.97	8.34	7.33	0.33	21.08	19.30	
9	3.99	10.52	3.76	20.12	285.10	583.36	1329.19	8.67	7.17	0.38	20.56	19.05	
10	3.76	9.56	3.76	20.12	941.77	3998.75	1286.81	7.47	7.00	0.49	20.29	19.05	
11	3.99	7.33	3.63	20.99	3998.75	6805.55	1193.65	9.03	6.84	0.43	20.03	19.05	
12	3.88	6.68	3.06	21.89	1515.89	5917.17	636.62	7.64	7.00	0.41	19.82	19.05	
13	3.88	5.92	2.94	73.66	708.04	2960.68	403.50	8.85	7.17	0.33	19.56	19.05	
14	3.99	5.49	3.51	843.07	253.09	869.52	307.35	7.99	7.00	0.22	19.30	19.05	
15	4.12	5.49	3.88	708.04	175.96	378.40	253.09	7.33	6.84	0.20	19.05	19.05	
16	3.76	4.52	4.25	324.51	142.02	290.59	73.66	7.99	6.68	0.35	19.30	19.05	
17	4.12	6.07	5.05	274.24	189.49	348.02	48.52	7.99	3.51	0.33	19.05	18.80	
18	93.73	7.47	3.99	263.57	258.31	532.13	54.38	7.82	0.41	0.31	18.80	18.80	
19	708.04	5.20	3.39	189.49	158.59	429.30	34.34	7.17	0.55	0.26	18.54	19.05	
20	138.00	5.92	2.94	422.78	130.11	208.21	28.06	6.84	0.61	0.26	18.09	18.80	
21	7.33	12.49	2.83	860.66	409.89	158.59	28.06	6.68	0.58	0.08	17.84	18.80	
22	5.61	10.88	2.94	1113.40	1318.54	134.03	23.71	8.16	0.97	0.14	19.30	18.34	
23	4.52	7.82	3.17	1504.61	774.28	237.71	22.79	7.82	0.97	0.16	20.03	18.09	
24	3.99	5.76	3.63	950.98	253.09	247.92	69.16	8.16	0.55	0.16	20.03	17.84	
25	3.51	5.05	4.38	301.72	208.21	2281.58	126.24	9.75	0.33	0.18	20.03	17.84	
26	3.39	4.25	4.52	158.59	171.54	29814.12	111.27	10.33	0.35	0.43	19.82	17.84	
27	3.27	3.88	3.99	217.85	285.10	15603.14	10.68	9.56	0.35	0.20	19.82	18.54	
28	3.39	3.76	3.63	107.66	307.35	3152.01	9.75	9.94	0.28	0.05	19.82	18.80	
29	3.99	3.17	3.63	83.84	114.94	950.98	9.56	9.22	0.35	0.61		18.54	
30	3.39	3.17	3.76	93.73	130.11	3448.71	9.40	8.49	0.43	2.94		18.54	
31		3.76		93.73	232.67		9.40		0.38	7.64		18.54	
Total	1049.96	177.37	109.05	8709.94	13683.62	82822.44	151025.45	252.11	126.52	19.14	552.55	586.56	259114.71 Tonday
Mean	35.00	5.72	3.63	280.97	441.41	2760.75	4871.79	8.40	4.08	0.62	19.73	18.92	709.90 Ton/day
Max	708.04	12.49	5.05	1504.61	3998.75	29814.12	31820.90	10.33	7.99	7.64	22.38	19.82	31820.90 Ton/day
Min	3.27	3.17	2.83	3.88	60.53	134.03	9.40	6.68	0.28	0.05	13.31	17.84	0.05 Ton/day

WATER YEAR : 2022**KHONG RIVER BASIN****Loei River at Ban Keng Bong , Loei (Kh.61)**

Lat 17 - 07 - 52 N Long 101 - 40 - 44 E

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

	Ban Keng Bong	Amphoe Phu Luang	Changwat Loei
Drainage Area	595 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.8600		
Remarks	Continued Sediment Station		

$$QS = 1.5984 QW^{1.61290}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	14.36	10.96	13.19	40.77	306.12	391.84	8116.91	15.87	6.56	2.75	2.44	15.87	
2	12.62	12.06	13.19	47.60	258.28	404.43	5507.77	16.80	6.13	2.75	3.41	15.87	
3	13.19	10.96	12.62	63.97	254.73	377.34	5795.29	16.80	6.13	3.07	3.07	15.87	
4	12.62	10.43	12.06	63.97	258.28	373.24	5253.79	14.36	5.70	2.75	3.07	14.95	
5	10.96	10.96	10.96	60.86	254.73	391.84	2408.01	18.73	6.13	2.75	3.07	14.95	
6	10.43	10.96	8.90	59.33	244.19	398.11	1491.47	15.87	6.13	3.07	3.07	14.95	
7	10.43	10.96	10.96	62.41	244.19	377.34	1618.23	15.87	5.70	3.07	2.75	14.36	
8	9.91	10.96	15.87	60.86	313.75	365.08	1113.55	17.76	5.29	2.75	2.75	14.36	
9	9.91	12.62	14.36	59.33	352.97	410.78	790.00	9.91	5.70	2.75	2.75	14.36	
10	9.91	13.19	14.95	60.86	1959.67	603.40	933.42	14.36	5.70	2.75	2.44	14.36	
11	10.43	13.19	13.77	60.86	3162.70	352.97	725.69	13.19	5.70	2.75	2.75	14.36	
12	10.43	13.77	13.19	62.41	950.89	365.08	588.73	20.74	6.13	3.07	3.07	14.36	
13	10.43	12.62	13.77	126.07	717.80	369.15	531.40	13.77	5.70	1.35	2.44	14.36	
14	10.43	11.51	13.19	462.93	443.10	369.15	496.72	7.01	5.70	3.41	3.07	13.77	
15	10.43	12.06	13.19	443.10	443.10	496.72	352.97	13.77	4.12	2.75	3.41	13.77	
16	10.43	12.06	17.76	517.42	430.06	483.10	62.41	14.95	2.44	3.76	3.07	13.77	
17	11.51	12.06	18.73	449.67	449.67	456.28	50.44	13.77	1.60	3.76	2.75	13.77	
18	23.90	11.51	17.76	410.78	423.59	456.28	46.20	6.13	5.29	3.41	2.75	12.62	
19	60.86	11.51	17.76	391.84	398.11	436.56	44.82	7.01	5.70	3.41	2.75	13.77	
20	14.36	21.78	18.73	773.72	385.60	430.06	42.11	6.13	6.13	2.75	3.41	13.77	
21	12.06	53.34	22.83	741.57	831.24	423.59	40.77	10.96	10.96	0.70	19.73	12.06	
22	10.96	19.73	23.90	596.05	1385.49	469.62	39.46	14.36	11.51	0.52	15.87	8.41	
23	10.43	14.95	24.99	640.69	798.18	510.49	39.46	7.93	4.12	4.50	14.95	8.41	
24	9.91	15.87	51.88	610.79	443.10	449.67	38.16	9.40	3.76	5.29	14.95	7.93	
25	9.40	17.76	40.77	510.49	423.59	3773.70	36.88	11.51	3.76	3.76	14.95	8.90	
26	10.96	17.76	53.34	436.56	430.06	6739.84	33.13	10.96	3.41	3.07	14.95	13.19	
27	10.96	14.95	38.16	404.43	907.46	3617.12	18.73	8.90	3.07	2.75	15.87	12.62	
28	10.96	10.43	36.88	381.46	566.97	1132.22	17.76	8.90	3.07	2.75	15.87	14.95	
29	11.51	10.96	38.16	369.15	417.17	781.84	16.80	7.93	3.41	2.75		14.95	
30	12.62	12.62	43.46	361.03	410.78	4786.60	15.87	6.56	3.41	2.14		14.95	
31		13.19		348.97	272.67		16.80		3.07	1.86		15.87	
Total	397.32	447.69	659.28	9679.95	19138.24	30993.44	36283.75	370.21	161.23	88.97	185.43	420.46	98825.97 Tonday
Mean	13.24	14.44	21.98	312.26	617.36	1033.11	1170.44	12.34	5.20	2.87	6.62	13.56	270.76 Ton/day
Max	60.86	53.34	53.34	773.72	3162.70	6739.84	8116.91	20.74	11.51	5.29	19.73	15.87	8116.91 Ton/day
Min	9.40	10.43	8.90	40.77	244.19	352.97	15.87	6.13	1.60	0.52	2.44	7.93	0.52 Ton/day

WATER YEAR : 2022**KHONG RIVER BASIN****Songkhram River at Ban Tha Huai Lua , Sakon Nakhon (Kh.74)**

Lat 17 - 49 - 18 N Long 103 - 23 - 13 E

Location : on left bank at Ban Tha Huai Lua.

	Ban Tha Huai Lua	Amphoe Ban Muang	Changwat Sakon Nakhon
Drainge Area	2,176 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2012-2022		
Number of observation	268		
R-Square	0.5392		
Remarks	Continued Sediment Station		

$$QS = 1.7747 QW^{1.17510}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.42	1.27	97.56	14.29	106.34	402.16	47.70	0.79	4.48	0.00	0.00	0.00	
2	2.42	1.47	94.96	16.30	90.63	376.09	88.91	1.57	4.48	0.00	0.00	0.00	
3	1.99	1.47	77.00	23.31	33.23	344.79	166.96	2.64	4.24	0.00	0.00	0.00	
4	1.99	1.47	69.49	34.20	14.57	308.50	211.57	4.01	4.01	0.00	0.00	0.00	
5	1.99	1.47	76.16	42.60	9.05	272.84	232.68	5.21	4.01	0.00	0.00	0.00	
6	1.77	1.37	82.92	50.85	6.96	244.80	232.68	6.20	3.54	0.00	0.00	0.00	
7	1.77	1.47	88.91	58.85	6.45	214.97	241.33	7.48	3.54	0.00	0.00	0.00	
8	1.77	5.95	94.09	64.55	7.48	185.71	228.67	6.71	4.24	0.00	0.00	0.00	
9	1.67	8.26	97.56	67.84	10.12	151.76	210.42	5.21	4.72	0.00	0.00	0.00	
10	1.67	9.85	95.82	69.49	17.91	119.70	184.62	4.96	4.24	0.00	0.00	0.00	
11	1.67	12.04	92.36	70.32	26.56	98.44	148.53	4.96	4.01	0.00	0.00	0.00	
12	1.47	14.00	87.19	71.98	34.20	88.05	109.88	5.21	3.77	0.00	0.00	0.00	
13	1.37	17.47	82.07	74.49	44.11	85.48	71.15	5.45	3.54	0.00	0.00	0.00	
14	1.37	27.97	77.00	88.91	54.03	84.63	38.61	5.45	3.08	0.00	0.00	0.00	
15	1.37	57.24	73.65	111.65	64.55	86.34	24.70	5.45	2.42	0.00	0.00	0.00	
16	1.37	102.81	70.32	134.63	59.66	88.91	17.17	5.45	1.99	0.00	0.00	0.00	
17	1.37	147.44	67.01	158.25	48.49	94.09	13.72	5.45	1.67	0.00	0.00	0.00	
18	1.47	207.02	67.01	172.44	39.61	101.06	10.12	5.45	1.37	0.00	0.00	0.00	
19	1.47	246.54	64.55	171.36	31.78	106.34	11.49	5.45	0.97	0.00	0.00	0.00	
20	1.47	253.52	60.47	164.79	71.15	107.22	12.60	5.45	0.69	0.00	0.00	0.00	
21	1.37	243.06	57.24	151.76	219.50	108.10	12.88	5.45	0.52	0.00	0.00	0.00	
22	1.37	226.35	54.03	138.89	350.28	108.10	13.44	5.21	0.27	0.00	0.00	0.00	
23	1.37	203.64	50.06	130.55	396.55	103.69	17.91	4.96	0.12	0.00	0.00	0.00	
24	1.27	180.17	44.62	130.55	423.30	93.22	25.16	4.72	0.00	0.00	0.00	0.00	
25	1.27	169.14	40.10	142.10	437.48	78.69	23.77	4.48	0.00	0.00	0.00	0.00	
26	1.17	160.42	37.13	152.81	451.73	62.09	12.60	4.48	0.00	0.00	0.00	0.00	
27	1.17	152.81	31.30	156.06	466.04	47.70	4.72	4.48	0.00	0.00	0.00	0.00	
28	1.07	142.10	22.86	152.81	466.04	40.10	0.69	4.24	0.00	0.00	0.00	0.00	
29	1.17	132.53	17.91	141.01	458.88	35.17	0.00	4.24	0.00	0.00		0.00	
30	1.27	120.59	15.43	125.10	442.22	36.64	0.00	4.24	0.00	0.00		0.00	
31		107.22		115.22	420.94		0.19		0.00	0.00		0.00	
Total	46.36	2958.13	1986.78	3197.96	5309.84	4275.38	2414.87	145.05	65.92	0.00	0.00	0.00	20400.29 Tonday
Mean	1.55	95.42	66.23	103.16	171.29	142.51	77.90	4.84	2.13	0.00	0.00	0.00	55.89 Ton/day
Max	2.42	253.52	97.56	172.44	466.04	402.16	241.33	7.48	4.72	0.00	0.00	0.00	466.04 Ton/day
Min	1.07	1.27	15.43	14.29	6.45	35.17	0.00	0.79	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**KHONG RIVER BASIN****Lam Nam Phung at Ban Tong Khop , Sakon Nakhon (Kh.90)**

Lat 17 - 03 - 10 N Long 104 - 15 - 19 E

Location : on right bank at the bridge on highway.

	Ban Tong Khop	Amphoe Khok Si Suphan	Changwat Sakon Nakhon
Drainge Area	842 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	26		
R-Square	0.8229		
Remarks	Continued Sediment Station		

$$QS = 0.9376 QW^{1.75760}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.69	3.45	71.77	30.12	168.87	168.87	1041.65	2.90	0.94	0.14	0.28	0.11	
2	4.69	5.03	144.92	109.42	85.09	130.76	673.45	1.29	0.72	0.16	0.24	0.16	
3	4.05	15.87	65.48	92.11	71.77	114.61	595.26	0.84	0.63	0.13	0.14	0.45	
4	3.17	13.71	48.13	51.78	61.43	153.72	414.45	0.63	0.63	0.17	0.11	0.43	
5	3.17	6.47	44.59	31.61	109.42	122.57	242.69	0.63	0.63	0.28	0.14	0.36	
6	4.69	4.05	41.16	28.67	147.83	136.35	175.10	0.63	0.63	0.17	0.30	0.30	
7	7.64	3.45	39.49	27.24	235.50	112.00	133.54	0.63	0.63	0.16	0.20	0.43	
8	8.91	3.75	39.49	31.61	446.84	112.00	109.42	0.78	0.87	0.32	0.19	0.69	
9	8.91	4.37	42.86	159.70	136.35	101.85	112.00	2.14	0.63	0.40	0.36	0.75	
10	8.06	4.69	44.59	224.90	128.01	109.42	106.87	28.67	0.63	0.26	0.22	0.36	
11	6.09	5.03	37.86	331.88	99.38	112.00	104.35	3.17	0.63	0.36	0.14	0.13	
12	4.69	8.48	30.12	781.90	80.54	122.57	92.11	0.87	0.63	0.40	0.40	0.11	
13	4.37	37.86	37.86	2241.71	94.51	204.34	78.31	0.63	0.63	0.24	0.22	0.11	
14	3.45	18.17	39.49	1564.61	147.83	156.70	63.44	0.63	0.63	0.14	0.20	0.11	
15	4.05	168.87	42.86	997.36	136.35	171.97	48.13	0.63	0.63	0.11	0.14	0.10	
16	4.69	642.89	39.49	534.92	139.18	99.38	30.12	0.63	0.63	0.14	0.28	0.04	
17	4.05	842.12	39.49	437.48	117.23	153.72	12.68	0.63	0.63	0.40	0.13	0.11	
18	4.69	235.50	28.67	344.39	117.23	211.10	9.35	0.63	0.63	0.32	0.11	0.11	
19	5.03	106.87	30.12	352.84	171.97	171.97	8.48	0.63	0.63	0.28	0.11	0.11	
20	3.75	63.44	41.16	315.51	299.49	191.10	8.06	0.63	0.63	0.22	0.11	0.13	
21	9.35	14.77	44.59	142.04	2740.26	279.99	6.85	0.63	0.63	0.13	0.13	0.40	
22	28.67	17.00	49.94	89.75	2799.62	156.70	6.85	0.61	0.63	0.13	0.26	0.36	
23	24.49	28.67	59.44	65.48	1476.91	147.83	6.85	0.20	0.63	0.43	0.24	0.24	
24	8.91	67.55	142.04	46.34	736.40	178.25	6.85	0.19	0.63	0.26	0.14	0.24	
25	5.37	49.94	253.64	28.67	480.28	456.29	6.85	0.19	0.63	0.24	0.11	0.30	
26	4.69	41.16	221.42	19.37	414.45	494.93	5.73	0.17	0.61	0.20	0.13	0.19	
27	4.69	82.80	94.51	17.00	327.75	242.69	5.03	0.17	0.11	0.19	0.26	0.11	
28	4.69	82.80	42.86	17.00	249.96	165.79	4.05	0.19	0.14	0.14	0.14	0.08	
29	4.37	69.65	27.24	15.87	201.00	257.33	4.37	0.19	0.43	0.14		0.06	
30	3.45	63.44	27.24	12.68	178.25	319.57	4.37	0.36	0.26	0.22		0.06	
31		55.56		101.85	204.34		4.05		0.19	0.28		0.05	
Total	201.52	2767.41	1912.52	9245.81	12804.04	5556.37	4121.31	51.12	18.13	7.16	5.43	7.19	36698.01 Tonday
Mean	6.72	89.27	63.75	298.25	413.03	185.21	132.95	1.70	0.58	0.23	0.19	0.23	100.54 Ton/day
Max	28.67	842.12	253.64	2241.71	2799.62	494.93	1041.65	28.67	0.94	0.43	0.40	0.75	2799.62 Ton/day
Min	3.17	3.45	27.24	12.68	61.43	99.38	4.05	0.17	0.11	0.11	0.11	0.04	0.04 Ton/day

WATER YEAR : 2022**KHONG RIVER BASIN****Huai Chanot at Ban Khon Sawan , Nakhon Phanom (Kh.91)**

Lat 16 - 47 - 54 N Long 104 - 39 - 31 E

Location : on left bank at the bridge on highway.

	Ban Khon Sawan	Amphoe That Phanom	Changwat Nakhon Phanom
Drainage Area	169 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	28		
R-Square	0.6466		
Remarks	Continued Sediment Station		

$$QS = 1.6607 QW^{1.31050}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.09	0.03	4.47	1.02	7.01	2.75	19.34	1.60	0.47	0.21	0.83	0.67	
2	0.09	0.04	3.64	2.32	5.93	2.16	20.20	1.34	0.42	0.18	0.74	0.67	
3	0.08	0.14	3.28	2.65	7.88	2.92	11.40	1.12	0.34	0.14	0.58	0.62	
4	0.05	0.14	4.47	2.32	10.72	4.39	7.50	0.89	0.30	0.14	0.44	0.53	
5	0.05	0.14	8.51	1.24	6.64	3.72	5.46	0.70	0.26	0.14	0.34	0.47	
6	0.04	0.14	5.46	0.89	3.72	4.09	4.47	0.70	0.26	0.14	0.39	0.47	
7	0.04	0.16	3.18	0.76	4.20	2.92	4.01	0.63	0.26	0.14	0.48	0.33	
8	0.04	0.62	1.66	1.34	5.35	2.41	3.10	0.76	0.26	0.14	0.58	0.39	
9	0.04	0.76	1.06	1.24	4.67	2.58	2.58	0.62	0.24	0.14	0.58	0.37	
10	0.04	0.76	0.76	1.02	4.20	2.58	1.93	0.63	0.24	0.14	0.47	0.24	
11	0.04	0.53	0.57	1.20	4.09	3.18	1.53	0.52	0.24	0.14	0.47	0.16	
12	0.04	0.44	0.52	3.18	3.64	3.10	1.34	0.47	0.24	0.14	0.42	0.09	
13	0.04	1.66	0.52	46.53	2.83	3.54	1.16	0.47	0.24	0.18	0.42	0.09	
14	0.07	1.53	0.48	114.04	2.09	3.35	1.06	0.47	0.24	0.18	0.34	0.08	
15	0.11	2.09	1.34	94.49	1.60	3.54	1.53	0.47	0.24	0.18	0.30	0.06	
16	0.14	15.99	2.16	53.50	1.24	4.67	1.86	0.47	0.30	0.18	0.24	0.05	
17	0.14	25.80	1.24	21.55	1.20	15.77	1.86	0.47	0.30	0.14	0.24	0.05	
18	0.11	7.88	0.98	9.55	1.66	10.38	1.53	0.44	0.28	0.26	0.24	0.05	
19	0.07	3.28	0.70	5.46	1.79	6.89	1.34	0.44	0.26	0.39	0.39	0.05	
20	0.08	2.09	0.62	6.04	9.55	6.16	1.20	0.39	0.24	0.48	0.62	0.06	
21	0.07	2.65	0.58	6.40	81.83	6.40	0.93	0.34	0.28	0.58	0.74	0.11	
22	0.07	1.34	0.48	9.29	49.62	5.23	0.89	0.34	0.39	0.85	0.74	0.11	
23	0.07	0.93	0.44	9.42	24.18	7.38	0.93	0.34	0.47	0.93	0.74	0.11	
24	0.07	1.16	1.99	6.76	7.25	9.72	1.34	0.34	0.53	0.93	0.74	0.11	
25	0.07	1.66	3.10	4.01	5.93	11.75	1.34	0.33	0.67	0.93	0.67	0.05	
26	0.05	2.75	2.48	2.83	8.51	16.18	1.66	0.39	0.70	0.89	0.67	0.05	
27	0.04	6.04	2.75	1.86	18.68	10.05	1.79	0.76	0.53	0.83	0.67	0.05	
28	0.04	3.82	1.73	1.20	17.42	7.63	1.73	1.47	0.33	0.83	0.67	0.04	
29	0.04	3.00	0.98	1.12	8.77	10.05	1.66	0.79	0.26	0.83		0.05	
30	0.03	2.48	0.74	1.40	4.47	7.75	1.53	0.62	0.24	0.83		0.05	
31		2.16		1.93	3.46		1.53		0.24	0.83		0.07	
Total	1.95	92.21	60.89	416.56	320.13	183.24	109.73	19.32	10.27	13.04	14.75	6.30	1248.39 Tonday
Mean	0.07	2.97	2.03	13.44	10.33	6.11	3.54	0.64	0.33	0.42	0.53	0.20	3.42 Ton/day
Max	0.14	25.80	8.51	114.04	81.83	16.18	20.20	1.60	0.70	0.93	0.83	0.67	114.04 Ton/day
Min	0.03	0.03	0.44	0.76	1.20	2.16	0.89	0.33	0.24	0.14	0.24	0.04	0.03 Ton/day

WATER YEAR : 2022**KHONG RIVER BASIN****Huai Bang Sai at Ban Kan Luang Dong , Muk Dahan (Kh.92)**

Lat 16 - 44 - 12 N Long 104 - 31 - 10 E

Location : on left bank at the bridge on highway.

	Ban Kan Luang Dong	Amphoe Dong Luang	Changwat Muk Dahan
Drainage Area	1,122 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	28		
R-Square	0.7427		
Remarks	Continued Sediment Station		

$$QS = 3.6728 QW^{1.28020}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.17	6.44	157.53	57.72	120.88	124.12	946.45	50.94	27.07	10.37	8.92	7.24	
2	6.17	7.52	82.06	95.65	82.06	119.27	923.06	50.94	22.50	10.08	8.92	7.52	
3	6.17	7.79	91.07	190.55	124.12	127.39	1135.88	48.28	20.29	10.08	8.92	7.52	
4	6.17	10.37	112.86	159.24	235.12	132.31	386.49	45.65	17.07	10.08	8.92	6.97	
5	7.52	11.87	79.10	147.33	111.27	235.12	272.18	44.35	16.02	10.08	8.92	6.97	
6	7.52	12.48	44.35	143.96	132.31	196.38	211.10	44.35	14.67	10.67	8.92	6.97	
7	5.39	21.39	37.97	173.32	190.55	147.33	184.77	44.35	14.35	10.08	9.21	7.79	
8	6.97	14.99	37.97	505.64	176.17	127.39	149.02	41.77	14.35	9.79	9.50	6.97	
9	6.97	13.41	31.81	356.28	181.89	145.64	142.28	37.97	13.72	9.79	9.79	6.97	
10	6.17	12.79	31.81	176.17	366.29	196.38	142.28	37.97	13.72	10.37	9.79	6.97	
11	4.89	119.27	25.91	193.46	193.46	145.64	133.96	35.48	13.41	9.50	8.92	6.97	
12	4.89	60.49	25.91	127.39	122.50	253.50	127.39	35.48	13.10	9.79	8.92	6.97	
13	4.39	44.35	27.07	1659.07	114.46	164.84	117.66	33.02	12.79	9.79	8.92	6.97	
14	4.89	45.65	31.81	975.87	104.96	143.96	109.69	31.81	12.48	10.37	8.92	6.70	
15	6.17	74.71	190.55	796.76	94.12	187.66	109.69	31.81	12.48	10.37	8.92	6.17	
16	6.17	184.77	247.34	291.14	94.12	154.11	95.65	30.61	12.17	9.50	8.92	6.17	
17	6.17	359.61	83.55	199.30	92.59	140.61	94.12	28.24	11.87	9.79	8.92	6.17	
18	6.17	291.14	66.10	143.96	83.55	149.02	95.65	25.91	11.57	9.79	8.92	6.17	
19	6.17	91.07	39.23	127.39	98.74	130.66	86.54	24.76	11.57	9.21	8.92	6.17	
20	4.89	64.68	37.97	109.69	865.14	303.94	86.54	23.62	11.57	9.21	8.92	6.17	
21	4.89	50.94	37.97	181.89	4693.99	184.77	83.55	21.39	11.57	9.21	8.92	6.17	
22	4.89	44.35	31.81	220.04	2860.11	138.94	79.10	19.20	11.27	8.92	8.92	6.17	
23	6.17	50.94	35.48	135.62	636.82	149.02	71.81	19.20	11.27	8.92	8.92	6.17	
24	6.17	176.17	83.55	103.40	444.99	184.77	64.68	22.50	10.97	8.64	8.64	6.17	
25	7.52	111.27	83.55	83.55	427.60	485.28	64.68	25.91	10.97	8.92	8.35	6.17	
26	7.52	56.35	85.04	77.63	964.08	393.28	64.68	34.25	10.67	8.92	8.35	6.17	
27	7.24	46.96	54.99	70.37	620.74	214.07	57.72	79.10	10.67	8.92	8.35	6.17	
28	6.97	60.49	40.49	66.10	278.47	159.24	57.72	66.10	10.37	7.79	6.44	6.70	
29	6.97	116.06	29.42	73.26	211.10	211.10	54.99	41.77	10.37	7.79		6.17	
30	6.97	88.05	28.24	95.65	181.89	469.59	54.99	31.81	10.08	7.52		6.17	
31		137.28		124.12	145.64		56.35		10.08	7.52		6.17	
Total	185.33	2393.65	1992.51	7861.52	15049.73	5915.33	6260.67	1108.54	415.06	291.78	247.90	204.92	41926.94 Tonday
Mean	6.18	77.21	66.42	253.60	485.48	197.18	201.96	36.95	13.39	9.41	8.85	6.61	114.87 Ton/day
Max	7.52	359.61	247.34	1659.07	4693.99	485.28	1135.88	79.10	27.07	10.67	9.79	7.79	4693.99 Ton/day
Min	4.39	6.44	25.91	57.72	82.06	119.27	54.99	19.20	10.08	7.52	6.44	6.17	4.39 Ton/day

WATER YEAR : 2022**KHONG RIVER BASIN****Songkhram River at Ban Khok Kham Lai, Udon Thani (Kh.93)**

Lat 17 - 33 - 27 N Long 103 - 20 - 07 E

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

	Ban	Khok Kham Lai	Amphoe	Ban Dung	Changwat	Udon Thani
Drainage Area	752	sq.km.				
Method of sampling	Depth	Integrating				
Instrument Used	US.D-49					
Period of Available Records	1998-Cont'd					
Actual Measurement	1998-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	18					
R-Square	0.6420					
Remarks	Continued Sediment Station					

$$QS = 6.6762 QW^{0.86750}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	18.06	6.15	31.04	125.18	68.00	6.15	4.90	1.72	0.00	0.00	
2	0.00	0.00	24.85	8.55	39.22	119.46	82.02	7.37	4.90	4.04	0.00	0.00	
3	0.00	0.00	25.18	8.94	39.22	120.28	98.67	6.56	4.90	2.69	0.00	0.00	
4	0.00	0.00	31.04	9.71	33.28	122.74	106.23	5.74	4.90	2.21	0.00	0.00	
5	0.00	0.00	44.04	8.55	30.72	121.92	110.39	5.74	4.90	1.72	0.00	0.00	
6	0.00	0.00	44.04	7.76	32.32	122.74	112.88	5.74	3.60	0.00	0.00	0.00	
7	0.00	0.00	28.79	7.37	31.04	121.92	112.05	5.74	2.69	0.00	0.00	0.00	
8	0.00	0.00	18.41	8.16	28.46	114.53	103.72	5.32	1.72	0.00	0.00	0.00	
9	0.00	0.00	16.66	8.55	24.85	97.82	83.12	5.32	0.00	0.00	0.00	0.00	
10	0.00	2.21	14.88	10.09	25.84	77.02	53.87	5.32	0.00	0.00	0.00	0.00	
11	0.00	6.96	11.97	9.71	39.67	77.57	30.72	5.32	0.00	0.00	0.00	0.00	
12	0.00	26.83	10.85	21.84	52.60	101.20	22.85	4.90	0.00	0.00	0.00	0.00	
13	0.00	44.04	9.71	91.88	57.64	115.35	19.79	4.90	0.66	0.00	0.00	0.00	
14	0.00	43.17	10.85	107.06	61.12	126.00	17.37	5.32	0.00	0.00	0.00	0.00	
15	0.00	56.39	9.71	113.70	57.64	134.61	14.88	4.90	0.00	0.00	0.00	0.00	
16	0.00	71.97	9.33	115.35	47.07	138.08	14.16	3.60	0.00	0.00	0.00	0.00	
17	0.00	85.32	10.85	112.05	35.17	132.30	11.97	2.69	0.00	0.00	0.00	0.00	
18	0.00	82.57	9.33	105.39	26.50	121.10	12.34	2.69	0.00	0.00	0.00	0.00	
19	0.00	61.12	7.76	84.77	23.18	104.55	11.60	2.69	0.00	0.00	0.00	0.00	
20	0.00	35.80	8.55	49.63	40.55	85.32	10.85	3.60	0.00	0.00	0.00	0.00	
21	0.00	25.18	7.37	29.76	119.46	65.15	10.09	3.60	5.74	0.00	0.00	0.00	
22	0.00	23.52	7.37	44.48	154.09	38.78	9.33	3.60	6.56	0.00	0.00	0.00	
23	0.00	23.18	6.56	86.73	163.16	30.72	8.55	3.60	5.32	0.00	0.00	0.00	
24	0.00	23.18	5.74	104.55	168.76	32.00	8.55	3.60	2.69	0.00	0.00	0.00	
25	0.00	33.28	4.90	103.72	174.34	34.86	8.16	4.04	2.21	0.00	0.00	0.00	
26	0.00	29.11	5.74	87.59	179.92	40.55	8.16	4.90	3.15	0.00	0.00	0.00	
27	0.00	19.79	6.96	53.45	181.00	50.49	7.76	4.47	3.15	0.00	0.00	0.00	
28	0.00	17.37	7.37	28.46	179.92	58.80	6.56	4.90	1.72	0.00	0.00	0.00	
29	0.00	14.88	6.56	21.16	173.25	57.64	5.74	4.90	0.00	0.00		0.00	
30	0.00	12.34	5.74	16.31	162.02	58.22	5.74	4.90	0.00	0.00		0.00	
31		14.53		20.14	148.41		5.74		0.00	0.00		0.00	
Total	0.00	752.74	429.17	1491.56	2561.46	2746.90	1181.86	142.12	63.71	12.38	0.00	0.00	9381.90 Tonday
Mean	0.00	24.28	14.31	48.11	82.63	91.56	38.12	4.74	2.06	0.40	0.00	0.00	25.70 Ton/day
Max	0.00	85.32	44.04	115.35	181.00	138.08	112.88	7.37	6.56	4.04	0.00	0.00	181.00 Ton/day
Min	0.00	0.00	4.90	6.15	23.18	30.72	5.74	2.69	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**KHONG RIVER BASIN****Songkhram River at Ban Tha Kok Daeng , Bueng Kan (Kh.98)**

Lat 17 - 51 - 56 N Long 103 - 46 - 28 E

Location : on right bank at the bridge.

	Ban Tha Kok Daeng	Amphoe Se Ka	Changwat Bueng Kan
Drainage Area	4,428	sq.km.	
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2012-2022		
Number of observation	215		
R-Square	0.7784		
Remarks	Continued Sediment Station		

$$QS = 2.3379 QW^{1.06710}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.65	724.31	151.01	487.10	1396.43	679.67	0.00	80.62	33.73	51.69	18.65	
2	0.00	2.46	765.53	144.21	459.26	1371.84	751.17	0.00	80.62	33.73	51.69	18.65	
3	0.00	4.38	774.51	171.52	449.88	1347.27	892.91	0.00	82.49	33.73	51.09	16.95	
4	0.00	8.09	758.35	234.93	467.44	1318.26	995.51	0.00	86.86	33.73	50.48	15.26	
5	0.00	10.26	747.59	285.93	496.95	1284.85	1048.17	0.00	95.34	33.73	48.07	15.26	
6	0.00	11.36	749.38	337.78	515.03	1251.49	1072.35	0.00	101.97	33.15	43.25	12.47	
7	0.00	13.58	752.97	364.85	557.94	1215.97	1061.36	0.00	106.73	33.15	42.06	11.91	
8	0.00	19.79	752.97	446.82	644.09	1167.24	1021.82	0.00	109.58	32.56	37.88	10.26	
9	0.00	26.12	740.42	551.33	722.52	1105.40	969.25	0.00	110.54	32.56	33.15	8.09	
10	0.00	31.97	704.64	649.41	765.53	1032.79	899.44	0.00	112.44	32.56	30.79	5.55	
11	0.00	45.66	651.19	736.84	790.69	964.88	815.90	0.00	113.40	33.15	28.45	2.84	
12	0.00	59.61	586.11	779.90	850.19	905.97	738.63	0.00	115.31	34.33	28.45	0.65	
13	0.00	78.12	506.81	783.49	916.86	841.16	660.08	0.00	116.27	36.69	27.87	0.00	
14	0.00	93.46	414.82	772.71	988.94	779.90	566.22	0.00	118.18	39.07	27.87	0.00	
15	0.00	121.06	346.79	754.76	1032.79	729.67	469.07	0.00	118.18	39.67	27.87	0.00	
16	0.00	178.39	319.80	756.55	1048.17	699.28	382.98	0.00	120.10	40.26	27.87	0.00	
17	0.00	319.80	324.29	760.14	1054.76	697.50	304.87	0.00	118.18	42.06	27.87	0.00	
18	0.00	419.39	312.33	729.67	1048.17	706.43	253.64	0.00	84.99	43.85	27.87	0.00	
19	0.00	470.71	288.63	704.64	1039.38	727.88	219.96	0.00	63.90	44.45	27.87	0.00	
20	0.00	511.74	261.69	704.64	1100.99	815.90	190.21	0.00	50.48	46.26	26.12	0.00	
21	0.00	538.11	237.93	701.07	1271.50	925.58	164.67	0.00	47.46	48.67	25.54	0.00	
22	0.00	571.19	210.01	690.36	1347.27	995.51	146.15	0.00	42.06	49.88	24.38	0.00	
23	0.00	609.37	183.31	701.07	1378.54	1017.43	133.57	0.00	40.86	51.09	23.23	0.00	
24	0.00	661.86	173.48	720.73	1408.00	1013.04	122.98	0.00	39.07	51.69	23.23	0.00	
25	0.00	708.21	169.56	727.88	1447.21	1004.28	115.31	0.00	38.48	52.30	22.65	0.00	
26	0.00	724.31	180.36	715.36	1465.53	947.40	109.58	0.00	37.29	52.91	20.93	0.00	
27	0.00	720.73	207.04	685.01	1473.38	879.86	110.54	0.00	36.10	52.30	19.79	0.00	
28	0.00	699.28	212.00	642.31	1462.91	797.89	113.40	0.00	36.10	52.91	18.65	0.00	
29	0.00	672.54	195.15	594.41	1452.44	724.31	108.63	0.00	34.33	52.91		0.00	
30	0.00	668.98	180.36	544.71	1436.74	676.10	99.13	0.00	33.73	52.91		0.00	
31		685.01		515.03	1415.83		82.49		33.73	52.30		0.00	
Total	0.00	9686.19	13432.33	18059.07	30996.03	29341.51	15299.66	0.00	2405.39	1302.29	896.66	136.54	121555.67 Tonday
Mean	0.00	312.46	447.74	582.55	999.87	978.05	493.54	0.00	77.59	42.01	32.02	4.40	333.03 Ton/day
Max	0.00	724.31	774.51	783.49	1473.38	1396.43	1072.35	0.00	120.10	52.91	51.69	18.65	1473.38 Ton/day
Min	0.00	0.65	169.56	144.21	449.88	676.10	82.49	0.00	33.73	32.56	18.65	0.00	0.00 Ton/day

WATER YEAR : 2022**KHONG RIVER BASIN****Huai Luang at Ban Non Toom , Udon Thani (Kh.103)**

Lat 17 - 28 - 57 N Long 102 - 47 - 51 E

Location : on right bank at the bridge on highway.

	Ban Non Toom	Amphoe Mueang	Changwat Udon Thani
Drainage Area	1,402 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2004-Cont'd		
Actual Measurement	2004-Cont'd		
Using Rating Curve Water Year	2007-2022		
Number of observation	356		
R-Square	0.7262		
Remarks	Continued Sediment Station		

$$QS = 5.3882 QW^{0.98770}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.99	0.55	18.57	1.86	92.57	246.00	249.25	11.00	4.22	1.86	1.37	1.75	
2	0.99	1.37	17.52	2.39	73.59	206.48	281.69	10.37	3.57	1.64	1.26	1.64	
3	0.94	2.72	21.08	2.18	53.83	188.21	314.09	9.73	2.93	1.59	1.21	1.53	
4	0.94	5.92	40.67	2.39	37.86	180.82	349.69	9.52	2.72	1.53	1.26	1.53	
5	0.94	9.10	72.30	2.50	42.54	170.48	376.15	8.89	2.61	1.37	1.32	1.53	
6	0.88	12.27	99.76	2.61	65.19	157.27	393.56	8.89	2.39	1.15	1.42	1.53	
7	0.88	15.42	84.86	4.00	70.55	120.78	434.15	8.47	2.29	1.10	1.42	1.64	
8	0.83	18.57	57.70	7.19	75.34	75.81	445.73	8.25	2.18	1.10	1.37	1.53	
9	0.83	21.71	33.65	9.73	71.43	52.27	428.35	8.04	1.96	1.15	1.42	1.53	
10	0.77	25.47	19.41	17.10	45.96	50.31	399.36	7.41	1.86	1.10	1.37	1.37	
11	0.77	20.67	11.85	25.79	32.51	76.68	358.73	7.19	1.75	1.04	1.37	1.26	
12	0.72	16.47	6.98	25.79	30.58	103.35	327.04	7.19	1.64	1.10	1.21	1.15	
13	0.72	11.63	4.22	36.20	46.27	106.43	268.72	6.77	1.59	1.10	1.04	1.10	
14	0.66	10.16	2.61	80.23	68.08	105.66	204.80	6.13	1.59	1.10	0.94	1.04	
15	0.66	19.62	2.93	122.62	70.96	118.01	164.56	5.71	1.53	1.10	0.99	0.99	
16	0.61	34.23	6.13	150.12	66.01	105.66	125.38	5.07	1.53	1.04	0.88	0.99	
17	0.61	37.29	11.85	177.87	55.74	93.60	95.65	4.64	1.53	0.99	0.88	0.83	
18	0.55	33.39	18.99	193.04	43.47	81.78	74.06	4.43	1.59	0.99	0.83	0.94	
19	0.55	22.97	16.89	182.30	35.63	58.84	62.35	4.00	1.59	1.15	0.88	0.94	
20	0.55	15.21	12.06	143.59	36.46	39.73	71.43	3.79	1.59	1.15	0.83	0.88	
21	0.50	9.95	7.62	124.46	66.84	29.18	63.95	4.00	1.53	1.26	0.72	0.83	
22	0.50	8.89	4.43	154.41	134.59	22.97	37.29	4.00	1.59	1.32	0.72	0.83	
23	0.50	8.68	2.50	161.61	183.78	19.83	24.38	3.79	2.29	1.37	0.77	0.83	
24	0.50	8.25	2.18	171.96	214.87	19.20	20.25	4.22	2.39	1.53	0.94	0.72	
25	0.50	8.04	1.96	193.04	265.48	23.38	18.78	4.86	2.50	1.59	1.32	1.10	
26	0.44	15.84	1.64	213.19	301.14	53.83	17.94	6.13	2.72	1.53	1.42	1.59	
27	0.39	15.21	1.53	219.90	333.51	118.01	19.62	6.77	3.15	1.59	1.64	1.32	
28	0.39	10.58	1.86	196.40	349.69	174.91	24.64	6.77	3.57	1.59	1.75	1.37	
29	0.33	9.31	2.39	145.83	343.22	211.51	17.73	6.13	3.79	1.64		1.75	
30	0.33	13.53	2.29	98.73	330.28	226.50	13.95	5.28	2.72	1.53		1.48	
31		18.36		103.35	297.90		12.27		2.07	1.48		1.42	
Total	19.77	461.38	588.43	2972.38	3935.87	3237.49	5695.54	197.44	70.98	40.78	32.55	38.94	17291.55 Tonday
Mean	0.66	14.88	19.61	95.88	126.96	107.92	183.73	6.58	2.29	1.32	1.16	1.26	47.37 Ton/day
Max	0.99	37.29	99.76	219.90	349.69	246.00	445.73	11.00	4.22	1.86	1.75	1.75	445.73 Ton/day
Min	0.33	0.55	1.53	1.86	30.58	19.20	12.27	3.79	1.53	0.99	0.72	0.72	0.33 Ton/day

WATER YEAR : 2022**CHI RIVER BASIN****Lam Nam Phong at Ban Tha Mao , Khon Kaen (E.22B)**

Lat 16 - 39 - 16 N Long 102 - 49 - 25 E

Location : on right bank at Ban Tha Mao.

	Ban Tha Mao	Amphoe Nam Phong	Changwat Khon Kaen
Drainage Area	13,617 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2004-Cont'd		
Actual Measurement	2004-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	24		
R-Square	0.8304		
Remarks	Continued Sediment Station		

$$QS = 1.2092 QW^{0.99040}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	37.38	32.26	137.12	25.31	163.45	318.48	522.90	355.54	137.85	161.26	161.99	39.19	
2	45.21	30.45	141.51	27.73	159.80	320.20	530.22	349.51	149.20	160.53	161.26	34.97	
3	52.11	23.80	148.10	27.43	158.70	321.07	546.07	346.92	163.82	159.43	161.63	31.65	
4	32.26	13.19	152.49	26.22	160.17	319.34	568.00	345.20	172.95	154.68	161.63	28.94	
5	28.64	12.58	151.76	25.92	155.41	321.07	586.73	344.34	179.89	151.03	160.90	28.94	
6	27.43	11.97	148.10	25.01	152.12	321.93	607.37	345.20	186.83	148.10	159.80	28.94	
7	26.82	12.27	145.54	26.52	148.47	320.20	615.82	345.20	189.38	146.27	158.70	28.94	
8	29.84	12.27	130.17	32.26	153.22	308.99	624.39	344.34	190.84	148.10	158.34	28.64	
9	39.49	12.88	127.60	51.81	164.92	306.40	633.41	342.61	190.48	148.10	157.61	28.94	
10	52.42	18.65	132.36	63.32	192.66	321.07	638.82	340.03	188.29	141.15	156.88	28.94	
11	56.96	28.64	134.93	62.65	224.79	340.03	658.88	330.55	189.38	123.94	156.51	28.94	
12	51.21	39.19	139.68	57.30	241.50	358.98	674.42	319.34	190.84	107.31	155.78	28.94	
13	33.77	44.90	138.59	58.30	247.14	370.86	682.53	308.13	189.38	97.00	155.05	28.94	
14	32.56	47.61	138.22	68.66	239.54	373.64	682.53	297.78	184.27	91.67	151.39	30.15	
15	32.56	52.11	136.02	85.68	224.79	372.72	685.23	280.51	179.89	90.01	139.68	32.26	
16	32.26	55.96	111.30	95.33	215.50	373.64	687.94	267.58	177.70	88.34	128.33	33.16	
17	30.75	63.65	108.97	90.01	204.25	374.57	682.53	259.13	176.61	86.67	111.97	32.86	
18	25.92	69.33	107.31	82.01	197.27	369.00	679.83	245.03	175.14	86.01	101.32	31.35	
19	18.65	76.34	100.66	83.68	205.41	362.50	666.31	215.50	173.32	88.01	96.00	28.03	
20	15.92	77.34	100.66	90.67	222.61	356.40	648.74	197.27	171.86	92.34	94.00	25.31	
21	15.62	73.00	72.67	104.98	245.73	348.65	628.00	179.16	173.32	99.66	87.34	24.10	
22	15.62	71.33	53.02	127.60	255.60	346.06	619.21	151.76	174.78	110.97	72.67	23.20	
23	15.62	78.34	52.11	168.94	260.54	348.65	607.37	130.53	176.24	134.19	67.66	22.29	
24	15.62	91.01	51.81	191.57	252.78	351.23	557.04	133.09	176.61	151.03	65.32	25.92	
25	15.01	96.33	45.21	199.21	265.47	362.50	515.58	129.07	175.87	157.97	65.32	44.90	
26	14.71	100.33	36.78	197.27	309.85	454.84	479.52	128.70	174.41	163.82	63.65	60.31	
27	16.83	101.66	37.38	187.56	340.03	519.24	453.82	130.17	169.67	167.47	57.97	53.62	
28	21.38	99.66	33.46	174.78	346.06	536.31	436.51	132.36	168.20	167.47	45.81	44.60	
29	26.52	98.00	28.64	164.92	346.06	536.31	416.15	135.66	166.74	165.65		40.39	
30	31.65	97.33	23.80	161.99	325.38	525.34	393.15	136.39	164.92	164.55		35.88	
31		114.29		162.36	315.03		369.93		162.72	163.09		31.05	
Total	890.74	1756.67	3065.97	2947.00	7094.25	11160.22	18098.95	7566.60	5441.40	4115.82	3414.51	1014.29	66566.42 Tonday
Mean	29.69	56.67	102.20	95.06	228.85	372.01	583.84	252.22	175.53	132.77	121.95	32.72	182.37 Ton/day
Max	56.96	114.29	152.49	199.21	346.06	536.31	687.94	355.54	190.84	167.47	161.99	60.31	687.94 Ton/day
Min	14.71	11.97	23.80	25.01	148.47	306.40	369.93	128.70	137.85	86.01	45.81	22.29	11.97 Ton/day

WATER YEAR : 2022**CHI RIVER BASIN****Nam Yang at Ban Kaeng Yao , Kalasin (E.54)**

Lat 16 - 26 - 33 N Long 104 - 01 - 51 E

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

	Ban	Kaeng Yao	Amphoe	Kuchinarai	Changwat	Kalasin
Drainage Area	1,508	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1998-Cont'd					
Actual Measurement	1998-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	18					
R-Square	0.6279					
Remarks	Continued Sediment Station					

$$QS = 2.5664 QW^{1.23090}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.37	0.00	623.05	19.07	147.64	308.88	973.35	13.70	33.18	1.37	3.21	0.00	
2	2.25	3.21	369.67	470.72	157.16	317.43	997.46	15.01	25.21	1.37	3.21	0.00	
3	2.25	8.72	308.88	575.61	187.04	266.77	831.07	20.46	21.86	1.37	3.21	0.00	
4	1.37	12.42	369.67	334.68	242.08	242.08	672.80	19.07	17.70	1.37	3.21	0.00	
5	0.58	11.16	266.77	161.95	326.04	206.29	535.33	17.70	13.70	2.25	3.21	0.00	
6	0.58	8.72	142.93	88.81	352.09	275.10	326.04	15.01	11.16	2.25	3.21	0.00	
7	0.58	7.54	85.14	63.77	317.43	258.49	250.26	15.01	8.72	2.25	3.21	0.00	
8	0.00	9.92	56.91	74.31	420.86	138.24	180.71	11.16	8.72	2.25	3.21	0.00	
9	0.58	15.01	41.53	623.05	559.95	470.72	138.24	11.16	7.54	3.21	3.21	0.00	
10	1.37	20.46	33.18	817.08	579.53	631.03	103.77	11.16	6.40	3.21	3.21	0.00	
11	1.37	17.70	25.21	651.76	525.03	563.86	81.50	11.16	5.29	3.21	4.23	0.00	
12	1.37	13.70	19.07	420.86	308.88	556.05	67.25	8.72	5.29	3.21	4.23	0.00	
13	2.25	16.34	15.01	587.40	233.96	483.35	53.54	8.72	5.29	3.21	4.23	0.00	
14	2.25	19.07	13.70	785.54	180.71	317.43	43.67	8.72	4.23	3.21	4.23	0.00	
15	1.37	29.15	15.01	868.60	133.58	233.96	56.91	12.42	4.23	3.21	4.23	0.00	
16	1.37	88.81	12.42	772.25	128.96	219.31	96.24	11.16	4.23	2.25	3.21	0.00	
17	1.37	225.88	12.42	619.07	180.71	308.88	99.99	8.72	4.23	2.25	3.21	0.00	
18	1.37	180.71	11.16	387.40	147.64	567.77	85.14	6.40	4.23	2.25	3.21	0.00	
19	1.37	111.41	9.92	199.84	119.80	591.34	60.32	7.54	4.23	2.25	2.25	0.00	
20	1.37	81.50	7.54	147.64	212.78	521.60	53.54	7.54	4.23	2.25	2.25	0.00	
21	1.37	60.32	7.54	133.58	1692.65	352.09	46.92	7.54	4.23	2.25	1.37	0.00	
22	1.37	67.25	7.54	157.16	1984.68	250.26	41.53	6.40	3.21	2.25	1.37	0.00	
23	1.37	74.31	6.40	161.95	1720.98	300.37	39.41	6.40	3.21	2.25	1.37	0.00	
24	1.37	107.58	4.23	142.93	1259.52	334.68	37.32	12.42	3.21	2.25	0.58	0.00	
25	0.58	180.71	5.29	142.93	719.52	458.16	29.15	15.01	3.21	2.25	0.58	0.00	
26	0.58	147.64	7.54	128.96	655.96	575.61	23.29	56.91	3.21	2.25	0.00	0.00	
27	0.58	92.51	7.54	119.80	840.43	575.61	21.86	119.80	3.21	2.25	0.00	0.00	
28	0.00	77.89	6.40	103.77	803.32	528.46	19.07	107.58	3.21	2.25	0.00	0.00	
29	0.00	193.42	4.23	77.89	603.20	445.66	17.70	81.50	2.25	2.25		0.00	
30	0.00	706.72	0.00	70.76	352.09	567.77	16.34	43.67	2.25	2.25		0.00	
31		763.41		70.76	242.08		16.34		1.37	2.25		0.00	
Total	33.61	3353.19	2495.90	9979.90	16336.30	11867.25	6016.06	697.77	232.24	72.95	72.65	0.00	51157.82 Tonday
Mean	1.12	108.17	83.20	321.93	526.98	395.58	194.07	23.26	7.49	2.35	2.59	0.00	140.16 Ton/day
Max	2.25	763.41	623.05	868.60	1984.68	631.03	997.46	119.80	33.18	3.21	4.23	0.00	1984.68 Ton/day
Min	0.00	0.00	0.00	19.07	119.80	138.24	16.34	6.40	1.37	1.37	0.00	0.00	0.00 Ton/day

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.21	5.30	58.87	55.67	141.36	250.95	473.02	0.00	0.00	0.00	0.00	0.00	
2	7.59	6.50	57.81	74.94	139.19	278.99	507.10	0.00	0.00	0.00	0.00	0.00	
3	6.82	6.19	60.47	85.97	138.11	267.19	564.62	0.00	0.00	0.00	0.00	0.00	
4	6.19	4.99	75.85	72.20	135.94	245.03	577.66	0.00	0.00	0.00	0.00	0.00	
5	5.88	4.46	78.59	55.14	178.50	230.22	582.87	0.00	0.00	0.00	0.00	0.00	
6	5.30	3.83	68.54	40.65	191.33	230.22	575.05	0.00	0.00	0.00	0.00	0.00	
7	4.99	3.19	58.87	37.12	166.80	228.74	559.40	0.00	0.00	0.00	0.00	0.00	
8	4.67	2.55	51.40	47.84	157.43	219.83	551.56	0.00	0.00	0.00	0.00	0.00	
9	4.46	1.79	44.52	55.14	153.91	259.81	543.73	0.00	0.00	0.00	0.00	0.00	
10	4.25	1.69	41.00	87.88	140.28	310.15	378.47	0.00	0.00	0.00	0.00	0.00	
11	3.93	2.23	39.58	86.92	133.77	365.70	308.04	0.00	0.00	0.00	0.00	0.00	
12	3.62	3.08	38.54	92.66	129.43	413.06	250.49	0.00	0.00	0.00	0.00	0.00	
13	3.30	2.98	38.54	165.63	122.96	398.51	215.75	0.00	0.00	0.00	0.00	0.00	
14	3.08	2.98	38.54	280.46	118.80	383.94	194.82	0.00	0.00	0.00	0.00	0.00	
15	2.76	2.98	41.00	286.72	112.54	470.40	152.74	0.00	0.00	0.00	0.00	0.00	
16	2.55	2.98	45.40	221.32	102.19	457.26	135.80	0.00	0.00	0.00	0.00	0.00	
17	2.33	3.08	49.79	158.60	97.43	447.56	135.80	0.00	0.00	0.00	0.00	0.00	
18	2.23	4.36	59.41	113.58	90.75	416.70	115.95	0.00	0.00	0.00	0.00	0.00	
19	2.23	4.46	54.61	85.01	83.14	373.00	111.21	0.00	0.00	0.00	0.00	0.00	
20	2.01	9.45	47.84	98.38	130.52	342.86	108.37	0.00	0.00	0.00	0.00	0.00	
21	2.01	17.23	44.13	121.92	297.66	317.95	106.94	0.00	0.00	0.00	0.00	0.00	
22	1.90	31.50	41.00	163.29	383.94	305.47	105.51	0.00	0.00	0.00	0.00	0.00	
23	1.79	37.51	39.23	218.35	344.41	303.91	102.66	0.00	0.00	0.00	0.00	0.00	
24	1.79	59.41	38.20	236.15	267.19	308.59	101.23	0.00	0.00	0.00	0.00	0.00	
25	1.69	67.62	38.54	218.35	239.11	349.07	99.81	0.00	0.00	0.00	0.00	0.00	
26	1.36	85.97	56.21	196.69	317.95	422.15	98.38	0.00	0.00	0.00	0.00	0.00	
27	1.25	76.76	77.68	176.16	336.63	494.00	0.00	0.00	0.00	0.00	0.00	0.00	
28	1.25	63.13	65.26	166.80	291.41	512.34	0.00	0.00	0.00	0.00	0.00	0.00	
29	2.01	57.27	53.00	157.43	234.67	504.49	0.00	0.00	0.00	0.00		0.00	
30	4.04	58.87	42.96	149.21	228.74	483.52	0.00	0.00	0.00	0.00		0.00	
31		58.87		144.61	233.19		0.00		0.00	0.00		0.00	
Total	105.49	693.21	1545.38	4150.79	5839.28	10591.61	7656.98	0.00	0.00	0.00	0.00	0.00	30582.74 Monday
Mean	3.52	22.36	51.51	133.90	188.36	353.05	247.00	0.00	0.00	0.00	0.00	0.00	83.79 Ton/day
Max	8.21	85.97	78.59	286.72	383.94	512.34	582.87	0.00	0.00	0.00	0.00	0.00	582.87 Ton/day
Min	1.25	1.69	38.20	37.12	83.14	219.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**CHI RIVER BASIN****Chi River at Ban Muang Lat , Roi Et (E.66A)**

Lat 16 - 12 - 30 N Long 103 - 31 - 40 E

Location : on right bank at the bridge.

	Ban	Muang Lat	Amphoe	Chang Han	Changwat	Roi Et
Drainge Area	31,787	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	2004-Cont'd					
Actual Measurement	2004-Cont'd					
Using Rating Curve Water Year	2004-2022					
Number of observation	401					
R-Square	0.8252					
Remarks	Continued Sediment Station					

$$QS = 5.5731 QW^{1.04360}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	386.19	531.20	1128.51	213.59	2456.94	5397.52	7070.51	9192.66	2415.10	947.05	913.78	377.72	
2	424.38	630.27	1267.83	178.70	2491.83	5379.54	7271.00	9004.43	2171.66	942.30	918.53	342.28	
3	484.07	682.23	1445.04	150.36	2526.74	5343.58	7538.68	8753.70	2005.37	970.85	909.03	322.82	
4	531.20	708.27	1787.30	109.83	2540.71	5316.62	7739.71	8534.56	1894.83	1075.85	909.03	316.35	
5	496.91	574.18	2248.05	94.40	2540.71	5280.68	7918.58	8190.67	1874.14	1118.93	932.79	309.88	
6	415.88	462.72	2352.40	97.48	2562.79	5235.77	8128.21	7940.95	1867.24	1152.48	966.09	290.51	
7	332.55	437.15	1984.63	116.03	2512.77	5217.81	8284.40	7695.01	1860.35	1042.39	989.91	290.51	
8	313.11	445.66	1598.25	140.96	2491.83	5235.77	8378.17	7494.04	1834.70	890.04	951.81	296.96	
9	290.51	466.99	1411.60	188.19	2614.36	5253.74	8471.99	7293.29	1775.46	804.81	899.53	280.84	
10	271.19	445.66	1322.60	245.52	2872.82	5244.75	8597.15	7137.31	1680.85	795.36	909.03	251.93	
11	300.19	398.90	1142.89	466.99	3167.12	5307.64	8973.07	6936.97	1586.47	833.18	909.03	255.13	
12	390.43	424.38	994.68	721.31	3425.45	5379.54	9412.48	6776.00	1495.25	904.28	942.30	300.19	
13	505.47	505.47	918.53	999.44	3578.77	5427.14	10002.55	6626.76	1361.51	852.12	947.05	339.04	
14	531.20	643.24	923.28	1263.01	3675.74	5508.57	10457.94	6477.66	1311.49	734.35	951.81	342.28	
15	449.92	725.66	951.81	1489.67	3700.00	5578.41	10872.65	6328.70	1294.84	638.92	899.53	332.55	
16	319.59	764.83	994.68	1704.49	3708.09	5636.64	11038.72	6163.37	1267.83	643.24	871.07	342.28	
17	274.40	804.81	999.44	1894.83	3732.36	5706.55	9475.32	5998.21	1200.49	630.27	833.18	381.96	
18	245.52	823.72	951.81	1977.71	3878.11	5753.18	8597.15	5823.14	1104.56	638.92	751.76	386.19	
19	251.93	837.91	804.81	1984.63	4097.17	5823.14	8284.40	5578.41	1080.63	677.89	677.89	348.78	
20	277.62	852.12	777.91	1984.63	4365.96	5858.14	8065.77	5343.58	1128.51	630.27	574.18	326.06	
21	242.32	856.85	725.66	2095.37	4670.26	5893.15	8159.44	5154.98	1085.42	569.88	501.19	293.73	
22	223.15	842.65	712.62	2213.31	4940.48	5998.21	8597.15	4931.75	980.38	651.90	479.80	313.11	
23	226.34	818.99	621.63	2422.07	5163.95	6014.72	9192.66	4678.96	890.04	738.71	437.15	352.03	
24	242.32	804.81	345.53	2702.86	5280.68	6080.77	9506.75	4374.64	985.14	791.00	420.13	394.66	
25	271.19	823.72	267.97	2909.83	5397.52	6146.84	9837.16	4114.49	1138.10	856.85	398.90	424.38	
26	300.19	890.04	277.62	3068.64	5438.77	6229.48	9878.50	3983.52	1133.30	956.57	390.43	441.40	
27	309.88	937.54	332.55	3083.78	5427.14	6427.99	9919.84	3797.11	1099.77	1042.39	407.39	449.92	
28	264.76	913.78	316.35	3053.50	5427.14	6527.35	9837.16	3538.39	1023.30	999.44	403.15	454.19	
29	235.92	923.28	293.73	2955.16	5427.14	6659.91	9754.52	3136.81	970.85	956.57		428.63	
30	361.78	947.05	245.52	2769.32	5438.77	6809.19	9548.03	2747.16	923.28	947.05		403.15	
31		999.44		2555.43	5450.40		9349.65		932.79	904.28		381.96	
Total	10170.11	21923.52	30145.23	45851.04	121002.52	171672.34	278159.31	183747.23	43373.65	26338.14	21095.47	10771.42	964249.98 Tonday
Mean	339.00	707.21	1004.84	1479.07	3903.31	5722.41	8972.88	6124.91	1399.15	849.62	753.41	347.47	2641.78 Ton/day
Max	531.20	999.44	2352.40	3083.78	5450.40	6809.19	11038.72	9192.66	2415.10	1152.48	989.91	454.19	11038.72 Ton/day
Min	223.15	398.90	245.52	94.40	2456.94	5217.81	7070.51	2747.16	890.04	569.88	390.43	251.93	94.40 Ton/day

WATER YEAR : 2022**CHI RIVER BASIN****Lam Nam Yang at Ban Kut Kwang , Roi Et (E.70)**

Lat 16 - 17 - 18 N Long 104 - 00 - 18 E

Location : on right bank at the bridge on highway.

	Ban Kut Kwang	Amphoe Phon Thong	Changwat Roi Et
Drainage Area	2,624 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	1998-2007, 2015-2022		
Number of observation	300		
R-Square	0.7616		
Remarks	Continued Sediment Station		

$$QS = 4.6650 QW^{1.16810}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	1318.85	7.49	212.76	674.11	2108.62	47.87	120.52	0.00	0.00	0.00	
2	0.00	0.00	932.04	416.74	299.58	713.50	2495.37	41.98	87.33	0.00	0.00	0.00	
3	0.00	0.00	698.69	1248.41	338.01	569.67	2326.65	45.90	64.07	0.00	0.00	0.00	
4	0.00	0.00	848.74	948.18	410.09	644.77	2108.62	47.87	49.86	0.00	0.00	0.00	
5	0.00	0.00	783.21	507.51	577.51	669.20	1651.44	43.93	36.21	0.00	0.00	0.00	
6	0.00	0.00	526.82	283.78	708.56	605.08	1139.25	41.98	25.29	0.00	0.00	0.00	
7	0.00	0.00	380.36	188.79	601.13	585.37	773.19	36.21	0.00	0.00	0.00	0.00	
8	0.00	0.00	261.86	168.17	605.08	443.49	550.14	34.32	0.00	0.00	0.00	0.00	
9	0.00	0.00	174.03	713.50	813.36	644.77	426.74	28.79	0.00	0.00	0.00	0.00	
10	0.00	0.00	118.26	1528.86	1106.14	1413.62	338.01	28.79	0.00	0.00	0.00	0.00	
11	0.00	0.00	85.17	1413.62	1045.82	1425.53	261.86	25.29	0.00	0.00	0.00	0.00	
12	0.00	16.83	62.01	1067.70	798.26	1283.56	212.76	23.56	0.00	0.00	0.00	0.00	
13	0.00	18.48	45.90	1383.90	581.44	1084.15	168.17	21.85	0.00	0.00	0.00	0.00	
14	0.00	23.56	51.86	2027.93	465.40	778.20	136.50	20.15	0.00	0.00	0.00	0.00	
15	0.00	23.56	51.86	2130.70	354.22	569.67	171.09	20.15	0.00	0.00	0.00	0.00	
16	0.00	104.84	85.17	1853.51	347.72	530.70	357.47	21.85	0.00	0.00	0.00	0.00	
17	0.00	377.08	78.75	1383.90	554.04	798.26	386.94	18.48	0.00	0.00	0.00	0.00	
18	0.00	440.13	83.02	905.24	515.22	1488.30	331.56	16.83	0.00	0.00	0.00	0.00	
19	0.00	305.94	76.63	515.22	420.07	1617.26	271.22	13.60	0.00	0.00	0.00	0.00	
20	0.00	209.74	74.51	423.41	557.94	1254.26	221.85	13.60	0.00	0.00	0.00	0.00	
21	0.00	185.82	62.01	616.95	2892.61	869.06	174.03	13.60	0.00	0.00	0.00	0.00	
22	0.00	147.91	47.87	964.36	4493.46	605.08	134.20	12.03	0.00	0.00	0.00	0.00	
23	0.00	136.50	45.90	953.57	4127.91	723.40	113.76	12.03	0.00	0.00	0.00	0.00	
24	0.00	176.96	38.12	659.41	3258.70	763.20	104.84	12.03	0.00	0.00	0.00	0.00	
25	0.00	302.76	38.12	488.30	2183.42	798.26	89.49	20.15	0.00	0.00	0.00	0.00	
26	0.00	290.08	34.32	406.77	1589.98	969.76	80.88	47.87	0.00	0.00	0.00	0.00	
27	0.00	206.73	28.79	328.34	1875.18	1040.36	76.63	118.26	0.00	0.00	0.00	0.00	
28	0.00	127.33	25.29	264.97	1860.73	932.04	68.22	145.04	0.00	0.00	0.00	0.00	
29	0.00	302.76	21.85	200.72	1413.62	1018.56	57.92	188.79	0.00	0.00		0.00	
30	0.00	1166.95	12.03	153.66	894.55	1207.58	53.86	188.79	0.00	0.00		0.00	
31		1562.77		134.20	573.59		53.86		0.00	0.00		0.00	
Total	0.00	6126.73	7092.04	24287.81	36476.10	26720.77	17445.14	1351.59	383.28	0.00	0.00	0.00	119883.46 Tonday
Mean	0.00	197.64	236.40	783.48	1176.65	890.69	562.75	45.05	12.36	0.00	0.00	0.00	328.45 Ton/day
Max	0.00	1562.77	1318.85	2130.70	4493.46	1617.26	2495.37	188.79	120.52	0.00	0.00	0.00	4493.46 Ton/day
Min	0.00	0.00	12.03	7.49	212.76	443.49	53.86	12.03	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**CHI RIVER BASIN****Lam Chiang at Ban Chiang , Chaiyaphum (E.72)**

Lat 16 - 01 - 03 N Long 101 - 30 - 21 E

Location : on left bank at Ban Chiang School.

	Ban Chiang	Amphoe Phak Di Chumphon	Changwat Chaiyaphum
Drainge Area	331 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2004-Cont'd		
Actual Measurement	2004-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.7358		
Remarks	Continued Sediment Station		

$$QS = 3.5656 QW^{1.13130}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.91	1.26	0.39	11.66	19.89	14.47	581.21	13.76	15.19	12.36	12.12	11.89	
2	0.91	1.26	0.32	13.53	22.82	13.53	400.94	13.76	14.47	12.36	12.12	11.89	
3	0.91	1.26	0.64	13.06	28.86	12.12	308.11	13.76	14.24	12.36	12.12	11.89	
4	0.91	1.19	1.19	11.89	23.17	10.28	189.42	13.76	14.00	12.36	12.12	11.89	
5	0.78	1.19	1.48	11.20	21.18	10.05	140.47	13.53	13.76	12.36	12.12	11.89	
6	0.78	1.12	1.93	10.97	19.89	9.37	103.65	13.53	13.29	12.36	12.12	11.66	
7	0.78	1.12	2.23	11.20	19.55	9.15	51.20	13.53	13.29	12.36	12.36	11.66	
8	0.78	1.12	3.09	12.82	29.53	12.36	27.48	13.53	12.82	12.36	12.36	11.66	
9	0.78	1.34	14.95	12.12	38.86	11.43	25.14	13.53	12.82	12.36	12.36	11.66	
10	0.78	1.48	17.59	11.66	36.42	10.51	24.13	13.53	12.82	12.36	12.36	11.66	
11	0.58	1.93	15.67	11.43	34.32	17.11	22.47	13.53	12.82	12.12	12.12	11.43	
12	0.58	1.70	16.15	11.43	29.89	21.53	21.82	13.29	12.82	12.12	12.12	11.43	
13	0.58	1.41	15.67	11.43	27.83	19.30	20.83	13.29	12.82	12.12	12.12	11.43	
14	0.58	1.34	13.06	11.20	25.80	17.11	20.19	13.29	12.82	12.12	12.12	11.43	
15	0.58	1.26	11.89	11.20	23.17	17.11	18.81	13.29	12.82	12.12	12.12	11.43	
16	0.78	1.26	11.20	10.97	22.82	17.11	18.32	13.29	12.82	12.12	12.12	10.97	
17	0.91	1.12	10.97	11.20	22.17	16.15	16.63	13.29	12.82	12.12	12.12	10.74	
18	0.91	1.12	10.97	11.20	21.82	14.71	15.91	13.29	12.82	12.12	12.12	10.51	
19	0.91	1.12	10.97	11.89	21.18	14.24	15.91	13.29	12.36	11.89	12.12	10.05	
20	0.84	1.12	11.20	18.08	21.18	14.00	15.67	13.29	12.36	11.89	12.12	9.15	
21	0.84	2.30	11.89	33.32	20.83	13.76	15.43	13.06	12.59	12.12	11.89	8.03	
22	0.84	2.23	11.89	32.59	20.53	17.84	15.43	13.06	12.59	12.12	11.89	7.68	
23	0.84	2.15	11.89	28.86	20.53	23.83	15.19	13.06	12.59	12.12	11.89	6.63	
24	0.84	2.00	11.89	25.80	20.19	46.17	15.19	13.06	12.59	12.12	11.89	5.77	
25	0.84	1.70	11.89	22.47	20.19	50.76	14.95	13.06	12.59	12.12	11.89	4.67	
26	0.78	1.63	11.66	19.55	19.89	91.21	14.71	13.29	12.59	12.12	11.89	3.32	
27	0.78	1.34	11.66	18.32	19.89	185.58	14.47	13.76	12.59	12.12	11.89	2.50	
28	0.78	1.05	11.66	17.11	19.30	222.35	14.24	13.76	12.59	12.12	11.89	2.30	
29	0.71	0.71	11.66	15.91	18.57	344.90	14.00	13.76	12.59	12.12		2.00	
30	0.71	0.45	11.66	15.19	17.35	715.46	14.00	15.19	12.36	12.12		1.70	
31		0.39		14.71	16.15		14.00		12.36	12.12		1.63	
Total	23.53	41.67	289.31	483.97	723.77	1993.50	2199.92	404.42	402.01	377.66	338.48	272.55	7550.79 Tonday
Mean	0.78	1.34	9.64	15.61	23.35	66.45	70.97	13.48	12.97	12.18	12.09	8.79	20.69 Ton/day
Max	0.91	2.30	17.59	33.32	38.86	715.46	581.21	15.19	15.19	12.36	12.36	11.89	715.46 Ton/day
Min	0.58	0.39	0.32	10.97	16.15	9.15	14.00	13.06	12.36	11.89	11.89	1.63	0.32 Ton/day

WATER YEAR : 2022**CHI RIVER BASIN****Lam Saphung at Ban Na Charoen , Chaiyaphum (E.83)**

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

Location : on left bank at Ban Na Charoen.

	Ban Na Charoen	Amphoe Nong Bua Daeng Changwat Chaiyaphum
Drainge Area	719 sq.km.	
Method of sampling	Depth Integrating	
Instrument Used	US.D-49	
Period of Available Records	2004-Cont'd	
Actual Measurement	2004-Cont'd	
Using Rating Curve Water Year	2004-2022	
Number of observation	318	
R-Square	0.7796	
Remarks	Continued Sediment Station	

$$QS = 3.3408 QW^{1.13010}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.09	6.09	10.95	1.67	68.28	127.07	1365.10	39.72	30.61	5.76	1.09	0.54	
2	6.09	4.97	19.02	1.49	74.18	141.86	1040.34	39.31	27.51	5.76	1.05	0.51	
3	5.76	3.42	17.92	1.42	99.22	165.50	811.01	37.71	25.21	5.60	1.02	0.45	
4	5.76	1.25	16.00	1.36	126.38	149.44	753.56	35.72	22.09	5.60	1.02	0.39	
5	5.76	10.44	13.32	1.36	107.29	154.01	559.64	33.75	19.85	5.44	1.12	0.33	
6	5.28	7.39	12.79	1.25	112.03	139.60	404.93	32.17	18.19	5.28	1.12	0.25	
7	4.49	6.74	12.00	1.22	125.01	144.13	324.53	30.22	16.55	5.28	1.09	0.25	
8	4.18	6.74	10.95	1.09	92.22	133.58	285.68	27.90	14.39	4.81	1.05	0.22	
9	3.57	6.74	10.44	1.02	71.81	134.33	227.51	24.83	13.32	4.65	1.46	0.22	
10	2.97	6.74	9.41	5.76	56.91	164.73	207.30	22.94	12.53	4.49	3.57	0.19	
11	2.67	6.74	8.06	8.06	51.29	204.75	189.54	22.09	11.48	4.49	3.42	0.19	
12	2.38	6.74	7.06	7.06	46.66	201.36	158.60	20.97	10.95	4.34	3.27	0.17	
13	2.38	7.39	6.41	6.74	44.82	205.60	141.11	20.97	10.44	3.87	2.97	0.14	
14	2.09	6.74	5.12	6.41	42.13	202.21	127.76	20.13	9.67	3.57	2.82	0.14	
15	2.09	5.76	4.34	6.09	40.52	175.30	127.76	20.13	9.41	3.27	2.38	0.11	
16	2.09	5.44	4.18	5.76	47.58	151.72	148.68	20.13	9.07	3.27	2.09	0.11	
17	3.57	5.76	3.72	5.28	49.89	118.84	124.32	19.85	9.07	2.97	1.53	0.11	
18	4.49	7.06	3.72	5.12	67.69	122.95	103.24	19.85	8.90	2.97	1.42	0.11	
19	4.18	9.24	3.57	5.92	87.97	213.99	91.00	20.97	8.73	2.67	1.36	0.11	
20	3.72	11.21	3.42	25.59	83.75	198.82	83.75	20.69	8.73	2.38	1.29	0.11	
21	3.57	28.67	3.42	126.38	208.15	223.34	76.56	20.13	8.56	2.23	1.19	0.09	
22	3.57	31.78	2.67	164.73	206.45	213.99	71.22	20.13	8.56	2.23	1.02	0.09	
23	3.12	29.83	1.81	144.89	150.96	255.88	67.10	19.57	8.23	1.81	0.89	0.09	
24	3.12	29.06	1.42	128.45	109.99	246.38	61.64	19.85	7.89	1.67	0.82	0.14	
25	2.82	27.90	1.36	129.14	260.11	334.33	57.38	22.37	7.73	1.67	0.76	0.11	
26	2.82	25.59	1.29	112.03	401.59	406.05	54.56	22.09	7.39	1.49	0.73	0.11	
27	3.57	18.74	1.25	99.22	344.16	498.63	51.75	24.45	6.90	1.42	0.70	0.17	
28	5.60	13.32	2.52	86.16	257.99	412.74	48.04	28.28	6.74	1.36	0.70	0.17	
29	9.07	11.21	2.52	71.81	194.59	388.25	45.74	29.06	6.25	1.25		0.25	
30	8.40	9.07	2.09	56.91	168.64	1350.02	43.45	34.14	6.09	1.15		0.39	
31		8.56		50.36	135.83		42.13		6.09	1.09		0.33	
Total	125.27	366.33	202.75	1269.75	3934.09	7579.40	7894.93	770.12	377.13	103.84	42.95	6.59	22673.15 Tonday
Mean	4.18	11.82	6.76	40.96	126.91	252.65	254.68	25.67	12.17	3.35	1.53	0.21	62.12 Ton/day
Max	9.07	31.78	19.02	164.73	401.59	1350.02	1365.10	39.72	30.61	5.76	3.57	0.54	1365.10 Ton/day
Min	2.09	1.25	1.25	1.02	40.52	118.84	42.13	19.57	6.09	1.09	0.70	0.09	0.09 Ton/day

WATER YEAR : 2022**CHI RIVER BASIN****Chi River at Ban Nang Dad Khok , Chaiyaphum (E.84)**

Lat 16 - 09 - 13 N Long 101 - 35 - 00 E

Location : on left bank at Ban Nang Dad Khok.

	Ban Nang Dad Khok	Amphoe Nong Bua Daeng	Changwat Chaiyaphum
Drainage Area	491 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2004-Cont'd		
Actual Measurement	2004-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.6214		
Remarks	Continued Sediment Station		

$$QS = 3.8209 QW^{1.13480}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	11.00	14.30	11.89	2.55	34.32	40.00	663.91	20.21	12.79	6.51	3.60	2.34	
2	11.00	10.71	12.19	2.55	33.53	62.52	525.90	18.63	12.79	6.28	3.60	2.34	
3	11.00	9.25	11.60	2.55	32.35	60.59	399.02	18.01	12.49	6.28	3.39	2.34	
4	10.71	8.68	11.30	2.34	33.53	50.99	412.91	17.38	12.49	6.28	3.39	2.34	
5	10.42	8.68	11.00	2.34	33.92	46.77	364.56	17.38	12.19	6.05	3.60	2.14	
6	9.83	7.92	10.71	2.34	28.09	58.13	199.23	16.76	11.60	6.05	5.37	1.94	
7	8.39	7.68	10.12	2.14	25.79	69.45	169.01	16.76	11.30	6.05	5.37	1.94	
8	7.44	7.68	9.54	2.14	61.86	61.86	146.08	16.14	11.30	6.05	5.15	1.94	
9	5.82	7.21	9.25	2.34	71.35	58.13	133.78	15.83	11.30	6.05	4.92	1.74	
10	4.70	7.21	8.96	2.76	49.40	64.40	119.00	15.53	11.00	5.82	4.92	1.54	
11	3.82	6.98	7.92	2.76	42.07	68.84	88.21	15.22	10.42	5.82	4.26	2.97	
12	3.39	7.92	6.98	2.76	34.32	63.73	79.08	15.22	10.12	5.82	4.04	3.39	
13	3.39	17.07	6.28	2.76	30.02	57.47	69.45	14.91	9.83	5.82	3.82	3.39	
14	3.18	15.22	5.15	2.76	27.32	69.45	57.47	14.30	9.54	5.82	3.60	3.39	
15	3.18	8.68	3.18	2.55	28.09	67.56	53.66	14.61	9.25	6.05	3.39	3.18	
16	2.76	7.92	2.76	2.55	60.59	55.80	56.87	18.32	8.68	5.60	3.39	3.18	
17	3.39	7.92	2.76	2.55	56.33	38.97	52.06	17.69	8.68	5.37	3.39	3.18	
18	6.05	12.49	3.39	3.18	40.51	37.94	48.87	16.76	8.39	5.37	3.39	3.18	
19	6.05	18.01	3.18	4.04	33.14	111.72	45.72	15.83	8.39	5.37	3.18	3.18	
20	5.82	25.03	2.97	9.25	30.02	84.94	38.45	15.22	8.39	5.15	2.97	2.76	
21	5.82	33.14	2.76	56.87	31.57	65.67	34.32	14.61	8.15	5.15	2.97	2.55	
22	5.60	33.53	2.55	70.07	46.24	65.00	32.75	14.61	8.15	5.15	2.97	2.34	
23	5.60	26.94	4.48	56.33	34.71	185.42	31.18	18.01	8.15	4.92	2.97	2.14	
24	5.15	19.26	5.15	64.40	32.75	197.50	29.63	17.69	7.92	4.92	2.76	1.74	
25	5.15	11.89	4.70	85.57	101.67	399.02	28.09	16.76	7.68	4.92	2.55	1.74	
26	5.15	8.96	4.48	75.85	121.93	399.02	27.32	16.45	7.68	4.70	2.55	1.74	
27	6.05	8.15	3.82	58.73	100.90	385.19	26.17	14.91	7.68	4.70	2.34	1.54	
28	8.39	7.44	3.18	48.35	77.77	306.50	25.41	13.09	7.44	4.70	2.34	1.35	
29	16.76	6.51	2.76	39.48	63.73	204.44	24.27	12.79	7.21	4.70		1.35	
30	20.53	6.05	2.55	33.53	56.87	855.72	22.77	13.39	7.21	4.48		1.16	
31		6.05		28.86	47.82		20.90		6.98	4.48		1.16	
Total	215.54	384.48	187.56	677.25	1502.51	4292.74	4026.05	483.02	295.19	170.43	100.19	71.21	12406.17 Tonday
Mean	7.18	12.40	6.25	21.85	48.47	143.09	129.87	16.10	9.52	5.50	3.58	2.30	33.99 Ton/day
Max	20.53	33.53	12.19	85.57	121.93	855.72	663.91	20.21	12.79	6.51	5.37	3.39	855.72 Ton/day
Min	2.76	6.05	2.55	2.14	25.79	37.94	20.90	12.79	6.98	4.48	2.34	1.16	1.16 Ton/day

WATER YEAR : 2022**CHI RIVER BASIN****Lam Nam Choen at Ban Non Han , Khon Kaen (E.85)**

Lat 16 - 35 - 26 N Long 101 - 58 - 60 E

Location : on left bank at Ban Non Han.

	Ban Non Han	Amphoe Chum Phae	Changwat Khon Kaen
Drainge Area	1,150 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2005-Cont'd		
Actual Measurement	2005-Cont'd		
Using Rating Curve Water Year	2006-2022		
Number of observation	260		
R-Square	0.7036		
Remarks	Continued Sediment Station		

$$QS = 4.6087 QW^{1.17770}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	63.54	14.78	8.31	4.99	243.63	64.83	1578.81	69.39	31.69	35.79	56.74	45.82	
2	59.53	23.24	39.97	1.57	240.17	57.30	1631.31	115.73	29.16	37.35	56.74	45.28	
3	56.19	56.19	59.53	0.69	257.51	53.98	3001.23	187.42	30.17	38.39	56.19	45.28	
4	52.88	64.83	56.74	0.49	264.50	100.36	3073.49	163.92	34.76	40.49	55.64	44.75	
5	49.06	55.64	55.64	0.14	261.00	185.05	2155.89	147.76	39.44	42.08	55.64	44.75	
6	45.82	50.69	52.33	12.73	196.95	218.64	1269.50	132.14	43.68	43.14	55.64	44.21	
7	46.36	48.52	48.52	46.36	139.56	319.81	779.65	120.69	47.43	43.68	55.08	43.68	
8	47.43	49.06	45.82	44.21	137.92	357.17	589.30	107.30	51.24	44.21	55.08	43.68	
9	43.14	55.08	45.82	53.43	154.20	363.46	494.60	89.39	55.64	44.75	55.08	43.68	
10	32.71	68.73	43.68	70.70	189.80	589.30	494.60	69.39	60.09	45.28	54.53	43.14	
11	11.91	71.35	42.61	98.29	257.51	1474.59	494.60	55.64	64.19	45.28	53.98	43.14	
12	4.07	74.65	28.66	111.51	277.04	2293.78	494.60	44.75	67.43	44.21	53.98	43.14	
13	2.77	77.30	3.81	102.43	243.63	1684.07	494.60	33.73	71.35	45.28	53.43	42.61	
14	2.04	53.98	0.49	196.95	161.60	1422.88	470.52	19.54	76.63	46.36	53.43	42.61	
15	1.57	35.79	0.90	261.00	129.26	1218.98	434.73	15.23	79.96	47.43	52.88	42.08	
16	1.57	34.76	1.80	218.64	142.28	971.25	399.39	13.11	85.33	48.52	52.88	42.08	
17	1.34	43.14	10.67	257.51	299.84	732.78	376.08	11.10	88.71	51.24	52.88	42.61	
18	1.80	61.21	10.67	277.04	434.73	647.27	376.08	11.10	87.36	52.88	51.78	42.61	
19	20.83	79.29	18.20	295.26	513.34	666.77	338.41	13.56	86.01	54.53	51.24	43.14	
20	63.54	122.82	45.82	250.56	482.54	732.78	250.56	17.34	84.66	56.19	51.24	43.14	
21	27.66	148.68	44.75	286.13	399.39	666.77	180.32	20.83	82.64	57.30	50.69	43.68	
22	13.11	152.35	43.14	387.71	399.39	779.65	137.20	25.19	80.63	58.41	50.15	43.68	
23	8.73	140.46	53.43	470.52	411.12	874.66	132.14	55.08	77.30	59.53	49.60	43.14	
24	6.79	106.61	49.60	532.18	357.17	1020.11	132.14	83.31	70.70	59.53	49.06	43.14	
25	4.99	45.28	49.06	570.16	319.81	1168.76	120.69	77.96	64.19	59.53	48.52	42.61	
26	3.54	21.31	72.67	482.54	261.00	3482.81	109.40	68.08	57.30	59.53	47.97	42.61	
27	2.77	15.23	94.85	309.03	139.56	5290.90	99.67	60.09	50.69	60.09	47.43	42.08	
28	2.77	11.48	73.33	209.92	98.29	2155.89	78.63	49.60	44.75	60.65	46.36	42.08	
29	5.32	8.73	33.73	180.32	83.31	1526.56	65.48	36.83	40.49	58.97		41.55	
30	14.39	6.79	12.73	137.92	94.85	1684.07	62.33	34.24	37.87	57.86		41.02	
31		5.71		154.20	86.01		60.09		35.27	57.30		41.02	
Total	698.17	1803.68	1147.28	6025.13	7676.91	32805.23	20376.04	1949.44	1856.76	1555.78	1473.86	1338.04	78706.32 Tonday
Mean	23.27	58.18	38.24	194.36	247.64	1093.51	657.29	64.98	59.90	50.19	52.64	43.16	215.63 Ton/day
Max	63.54	152.35	94.85	570.16	513.34	5290.90	3073.49	187.42	88.71	60.65	56.74	45.82	5290.90 Ton/day
Min	1.34	5.71	0.49	0.14	83.31	53.98	60.09	11.10	29.16	35.79	46.36	41.02	0.14 Ton/day

WATER YEAR : 2022**CHI RIVER BASIN****Lam Pao at Ban Wang Hin , Kalasin (E.87)**

Lat 16 - 20 - 26 N Long 103 - 34 - 37 E

Location : on left bank at Ban Wang Hin.

	Ban Wang Hin	Amphoe Kamalasai	Changwat Kalasin
Drainge Area	7,370 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2004-Cont'd		
Actual Measurement	2004-Cont'd		
Using Rating Curve Water Year	2007-2014, 2020-2022		
Number of observation	199		
R-Square	0.5415		
Remarks	Continued Sediment Station		

$$QS = 6.0408 QW^{0.98920}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	204.90	173.25	508.77	263.75	242.24	437.67	621.37	187.36	12.41	58.98	187.64	334.36	
2	176.13	222.14	483.15	247.98	286.68	436.64	666.80	166.62	9.38	76.68	181.89	348.26	
3	168.93	268.05	445.53	237.94	300.37	436.64	716.73	145.86	7.06	105.16	181.89	357.52	
4	168.93	276.65	489.98	223.58	295.73	436.64	764.36	125.64	5.68	119.17	184.76	362.15	
5	161.72	262.32	551.45	204.90	300.37	436.64	801.19	103.08	5.20	164.60	187.64	369.86	
6	147.30	243.68	571.93	184.76	305.01	436.64	761.53	86.84	73.36	212.09	210.65	392.99	
7	129.34	212.09	571.93	173.25	289.54	435.61	761.53	77.55	70.05	174.69	219.27	399.15	
8	120.44	181.89	534.39	166.05	269.49	434.59	732.61	70.57	63.41	170.37	217.83	399.15	
9	116.62	191.96	484.86	155.96	275.22	434.59	662.26	63.59	60.09	153.07	216.40	389.91	
10	112.80	202.03	448.96	177.57	357.52	439.72	582.73	56.30	62.30	144.59	213.52	391.45	
11	110.26	183.33	436.13	260.89	404.41	449.75	487.13	50.17	47.90	147.30	210.65	394.53	
12	108.98	153.07	420.73	283.82	409.26	463.43	427.86	46.67	45.68	186.20	217.83	397.61	
13	107.71	131.89	405.32	322.01	410.80	477.34	379.91	43.16	44.56	214.96	220.71	400.70	
14	107.71	133.16	400.70	369.86	409.26	487.13	359.35	40.82	44.56	190.52	220.71	402.24	
15	112.80	139.51	411.48	401.89	406.23	491.69	345.63	39.65	44.56	173.25	219.27	400.70	
16	110.26	144.59	420.73	406.80	404.23	493.97	345.63	38.48	44.56	171.81	226.45	397.61	
17	102.61	177.57	428.43	407.72	403.09	495.11	345.63	37.31	42.34	171.81	247.98	385.28	
18	100.06	183.33	423.81	409.26	402.24	492.83	311.30	36.02	40.12	170.37	255.15	376.03	
19	111.53	202.03	409.94	407.54	401.89	493.97	256.30	34.55	35.67	166.05	258.02	365.23	
20	126.80	249.41	399.15	402.58	403.32	495.11	213.24	32.62	26.75	161.72	255.15	359.06	
21	130.61	279.52	389.91	400.01	410.40	492.83	176.99	30.45	21.45	157.40	242.24	348.26	
22	129.34	265.19	385.28	402.58	417.76	497.39	156.24	28.86	18.79	173.25	247.98	337.45	
23	115.35	214.96	382.20	406.97	424.43	505.36	151.05	27.45	15.25	174.69	270.92	332.82	
24	125.53	166.05	369.86	406.40	428.54	521.87	161.43	26.04	13.47	179.01	273.79	331.27	
25	139.51	129.34	357.52	402.92	430.77	537.52	176.99	24.33	11.69	206.34	275.22	329.73	
26	147.30	112.80	345.17	400.87	433.56	551.45	197.71	22.80	11.69	227.89	278.09	323.55	
27	148.75	114.08	337.45	396.07	438.18	563.40	208.06	21.45	13.47	235.07	282.38	317.37	
28	139.51	112.80	323.55	357.52	440.75	569.37	213.24	20.15	25.86	217.83	318.92	314.28	
29	128.07	122.98	308.10	311.19	441.26	581.31	213.24	18.26	32.32	203.46		323.55	
30	131.89	297.28	289.54	269.49	440.75	597.22	213.24	15.54	40.12	193.40		315.83	
31		466.05		245.11	439.72		202.89		46.79	191.96		305.01	
Total	3941.69	6213.00	12735.95	9707.24	11723.02	14623.43	12614.17	1718.19	1036.54	5293.69	6522.95	11202.91	97332.78 Tonday
Mean	131.39	200.42	424.53	313.14	378.16	487.45	406.91	57.27	33.44	170.76	232.96	361.38	266.67 Ton/day
Max	204.90	466.05	571.93	409.26	441.26	597.22	801.19	187.36	73.36	235.07	318.92	402.24	801.19 Ton/day
Min	100.06	112.80	289.54	155.96	242.24	434.59	151.05	15.54	5.20	58.98	181.89	305.01	5.20 Ton/day

WATER YEAR : 2022**CHI RIVER BASIN****Chi River at Ban Don Khanuan , Maha Sarakham (E.91)**

Lat 16 - 21 - 58 N Long 102 - 56 - 59 E

Location : on left bank at Ban Kui Chuak.

	Ban Don Khanuan	Amphoe Kosum Phisai	Changwat Maha Sarakham
Drainage Area	28,958 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2004-Cont'd		
Actual Measurement	2004-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	28		
R-Square	0.6625		
Remarks	Continued Sediment Station		

$$QS = 0.6141 QW^{1.33570}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	94.62	113.20	535.54	44.56	1403.70	3404.76	7385.64	6185.59	654.07	459.27	456.50	72.96	
2	116.13	117.60	617.63	44.56	1380.83	3381.58	7621.41	6023.09	660.89	464.82	475.96	60.19	
3	151.12	122.04	705.64	45.72	1399.12	3358.45	7859.03	5838.71	691.79	475.96	495.63	43.41	
4	184.85	103.09	841.34	44.56	1426.67	3343.04	8436.70	5633.02	737.05	453.74	495.63	34.48	
5	157.44	78.24	879.85	44.56	1440.50	3335.35	9176.64	5429.21	751.12	434.52	467.60	34.48	
6	116.13	82.26	797.30	46.89	1394.54	3350.74	9806.54	5166.78	761.72	399.38	448.23	33.40	
7	66.50	98.83	614.64	44.56	1376.27	3366.16	10317.93	4929.65	765.26	394.04	439.99	28.39	
8	55.25	84.97	576.22	38.88	1463.61	3389.31	10576.05	4695.36	775.90	394.04	423.63	24.59	
9	61.44	78.24	532.66	67.78	1666.15	3420.24	10770.69	4418.04	761.72	394.04	418.21	22.38	
10	80.92	91.83	434.52	186.64	1845.55	3563.18	11294.04	4155.27	705.64	394.04	420.92	22.38	
11	98.83	93.22	418.21	244.26	2115.40	3759.17	12033.53	3941.70	654.07	370.24	420.92	22.38	
12	116.13	120.56	380.77	434.52	2249.07	3972.04	12105.36	3734.52	638.60	320.31	429.06	22.38	
13	128.04	160.62	380.77	439.99	2249.07	4165.51	12033.53	3451.23	667.72	281.10	437.25	23.85	
14	97.42	160.62	412.81	501.28	2209.42	4278.56	11961.80	3167.21	654.07	242.34	418.21	26.85	
15	67.78	143.32	407.42	647.64	2140.85	4350.90	11890.18	2932.95	620.61	217.76	402.06	40.00	
16	66.50	147.99	420.92	841.34	2084.97	4433.33	11624.28	2713.03	605.72	195.67	372.87	54.04	
17	65.22	168.92	349.41	938.42	2357.58	4525.38	11031.58	2444.14	570.36	201.13	315.89	32.33	
18	66.50	195.67	302.73	938.42	2857.06	4648.84	10640.83	2271.81	579.15	214.04	276.83	23.11	
19	61.44	195.67	296.20	895.38	2913.93	4804.34	10317.93	2084.97	567.44	204.80	234.71	19.51	
20	51.63	197.49	255.85	922.71	2977.44	4945.37	9997.55	1816.15	518.34	199.31	210.33	33.40	
21	42.26	202.97	255.85	1005.92	3144.45	5024.17	9743.08	1556.99	448.23	206.64	197.49	62.69	
22	36.66	215.90	165.43	1136.09	3350.74	5071.59	9490.28	1303.77	453.74	225.25	179.50	89.07	
23	35.56	250.04	87.70	1362.60	3459.00	5119.13	9176.64	1030.02	535.54	270.44	155.86	114.66	
24	35.56	274.70	72.96	1666.15	3490.37	5150.88	8803.81	822.45	582.09	329.19	141.77	126.53	
25	35.56	313.69	66.50	1801.49	3443.48	5204.98	8485.30	829.88	547.08	363.05	120.56	93.22	
26	34.48	349.41	74.28	1850.46	3443.48	5633.02	8098.47	797.30	529.79	380.77	117.60	94.62	
27	34.48	356.21	76.92	1806.37	3482.30	6023.09	7763.77	702.17	506.95	402.06	108.83	120.56	
28	35.56	353.94	74.28	1704.55	3514.60	6370.95	7385.64	667.72	489.99	426.34	83.61	97.42	
29	56.48	351.67	63.95	1571.13	3522.68	6735.56	7058.72	626.59	492.80	453.74		86.33	
30	111.74	380.77	51.63	1449.73	3514.60	7105.19	6735.56	647.64	504.11	464.82		100.24	
31		434.52		1367.15	3459.00		6370.95		481.56	459.27		116.13	
Total	2362.23	6038.20	11149.93	24134.31	76776.43	135234.81	295993.46	90016.96	18913.12	10692.12	9165.65	1775.98	682253.20 Ton/day
Mean	78.74	194.78	371.66	778.53	2476.66	4507.83	9548.18	3000.57	610.10	344.91	327.34	57.29	1869.19 Ton/day
Max	184.85	434.52	879.85	1850.46	3522.68	7105.19	12105.36	6185.59	775.90	475.96	495.63	126.53	12105.36 Ton/day
Min	34.48	78.24	51.63	38.88	1376.27	3335.35	6370.95	626.59	448.23	195.67	83.61	19.51	19.51 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Mun River at Ban Dan Taka, Nakhon Ratchasima (M.2A)**

Lat 14 - 58 - 05 N Long 102 - 14 - 16 E

Location : on left bank at Ban Dan Taka.

	Ban Dan Taka	Amphoe Chaloem Phra Kia Changwat Nakhon Ratchasima
Drainge Area	4,724 sq.km.	
Method of sampling	Depth Integrating	
Instrument Used	US.D-49	
Period of Available Records	2002-Cont'd	
Actual Measurement	2002-Cont'd	
Using Rating Curve Water Year	2022	
Number of observation	20	
R-Square	0.8475	
Remarks	Continued Sediment Station	

$$QS = 0.9215 QW^{1.39710}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.23	68.09	22.35	10.23	256.48	76.99	1021.28	86.90	199.20	3.50	6.39	3.50	
2	18.02	76.99	21.72	7.30	325.82	80.41	1137.33	86.90	159.49	3.88	8.25	3.88	
3	22.99	95.45	21.72	4.68	391.00	102.75	1247.84	85.50	114.74	2.34	8.73	3.13	
4	54.31	120.87	22.99	2.43	437.02	127.09	1394.11	84.10	79.26	2.34	9.22	3.50	
5	78.12	139.80	25.44	2.01	434.80	131.82	1583.26	81.56	54.31	2.34	10.74	4.28	
6	94.01	149.55	29.66	2.26	369.61	128.66	1805.65	79.26	39.57	1.85	12.87	4.28	
7	94.01	166.21	31.40	2.43	275.81	130.24	1886.09	76.99	27.95	1.93	13.42	2.43	
8	91.15	178.17	27.11	2.26	217.23	147.91	1899.60	72.50	22.35	2.01	12.87	2.01	
9	88.31	178.17	21.72	1.62	200.98	195.65	1832.35	72.50	19.23	1.93	12.87	0.77	
10	82.71	178.17	18.02	2.43	171.31	303.52	1765.80	74.74	16.83	1.93	12.87	2.77	
11	71.39	181.63	16.25	2.77	152.85	373.86	1713.07	76.99	13.97	1.93	9.22	5.09	
12	64.83	173.02	13.42	4.28	111.71	428.14	1660.80	76.99	9.72	2.01	8.25	5.95	
13	61.62	161.16	12.33	6.39	82.71	473.04	1608.99	76.99	7.30	2.18	8.73	5.95	
14	59.50	141.41	12.33	6.39	68.09	502.89	1570.43	85.50	6.84	3.50	8.73	5.09	
15	45.31	114.74	12.33	5.52	51.26	516.84	1544.88	135.00	8.25	5.09	8.73	3.88	
16	37.71	91.15	13.42	5.09	56.37	507.53	1519.45	162.84	5.52	4.28	8.73	3.13	
17	31.40	125.53	12.33	6.84	102.75	482.17	1481.53	156.16	2.26	2.77	8.73	3.88	
18	33.17	195.65	12.87	10.74	146.28	452.68	1431.39	136.59	3.88	2.26	8.25	4.28	
19	41.46	283.65	11.79	15.10	169.61	425.93	1369.42	114.74	4.68	2.34	8.25	2.77	
20	42.41	356.94	9.72	47.27	162.84	414.93	1296.09	89.72	3.88	3.13	9.22	3.13	
21	36.79	388.85	5.52	190.36	135.00	378.13	1191.24	62.68	4.68	4.28	8.25	2.26	
22	30.53	404.00	3.88	382.40	120.87	317.66	945.62	48.26	2.34	4.68	7.30	2.01	
23	27.95	421.52	11.79	505.21	84.10	301.52	632.24	40.51	2.77	3.13	6.39	2.01	
24	27.11	410.55	13.97	554.57	64.83	336.11	327.87	59.50	4.28	2.18	4.68	2.09	
25	27.11	359.04	13.97	568.91	53.29	397.49	178.17	305.53	2.34	1.85	2.77	3.88	
26	27.11	258.39	12.33	556.95	50.25	475.31	128.66	498.26	2.01	1.70	2.26	5.95	
27	25.44	133.40	9.72	523.86	50.25	552.19	105.71	537.97	2.01	1.78	2.26	6.84	
28	27.95	76.99	8.25	454.93	52.27	634.71	89.72	482.17	2.26	2.26	3.50	7.77	
29	34.07	52.27	9.22	369.61	57.41	720.41	80.41	354.84	2.34	2.26		8.73	
30	55.34	36.79	10.74	305.53	61.62	868.93	85.50	241.31	2.26	2.34		10.74	
31		27.95		254.57	68.09		88.31		3.13	4.68		14.53	
Total	1451.06	5746.10	468.31	4814.94	4982.51	10985.51	34622.81	4543.50	829.65	84.68	232.48	140.51	68902.06 Tonday
Mean	48.37	185.36	15.61	155.32	160.73	366.18	1116.86	151.45	26.76	2.73	8.30	4.53	188.77 Ton/day
Max	94.01	421.52	31.40	568.91	437.02	868.93	1899.60	537.97	199.20	5.09	13.42	14.53	1899.60 Ton/day
Min	18.02	27.95	3.88	1.62	50.25	76.99	80.41	40.51	2.01	1.70	2.26	0.77	0.77 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Mun River at Ban Phong Sawai, Surin (M.4)**

Lat 15 - 19 - 46 N Long 103 - 40 - 57 E

Location : on left bank at the bridge on highway.

	Ban	Phong Sawai	Amphoe	Tha Tum	Changwat	Surin
Drainage Area	34,623	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1997-Cont'd					
Actual Measurement	1997-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	43					
R-Square	0.8021					
Remarks	Continued Sediment Station					

$$QS = 2.9828 QW^{1.12690}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	217.59	193.23	1226.67	131.59	2342.37	5135.70	12847.45	7792.44	1011.79	175.58	123.38	72.65		
2	236.75	177.71	1216.08	97.14	2411.55	5364.96	14016.75	7296.13	975.59	175.58	121.34	71.20		
3	250.54	179.84	1221.38	75.54	2491.72	5562.36	15066.25	6896.81	965.27	173.45	117.26	66.89		
4	258.86	181.97	1247.88	61.20	2572.17	5729.82	15737.91	6524.04	965.27	171.33	115.23	64.04		
5	270.00	175.58	1289.74	54.16	2622.60	5865.46	16758.10	6125.88	944.68	171.33	111.18	68.33		
6	289.62	164.98	1301.73	45.85	2663.02	5967.41	18601.56	5763.70	934.40	171.33	109.16	78.45		
7	303.73	167.09	1295.74	58.37	2693.38	6125.88	20080.88	5463.56	949.82	169.21	109.16	89.22		
8	298.08	181.97	1277.77	74.09	2723.78	6245.03	21446.45	5135.70	970.43	169.21	107.15	91.19		
9	245.02	190.54	1253.85	64.04	2754.22	6364.44	22444.99	4810.18	1006.61	164.98	103.13	77.00		
10	198.61	195.92	1231.97	103.13	2815.21	6524.04	22913.93	4562.28	1027.36	158.65	99.13	64.04		
11	201.31	188.39	1205.51	117.26	2855.95	6724.16	22601.18	4303.68	1037.74	154.45	95.15	59.78		
12	225.78	236.75	1179.11	75.54	2896.76	6896.81	21858.07	4090.77	1037.74	148.18	91.19	61.20		
13	236.75	298.08	1152.78	111.18	2947.86	7029.63	21172.53	3872.32	1022.17	144.01	87.25	59.78		
14	223.04	337.88	1116.03	253.31	2995.40	7118.34	20216.98	3629.80	996.26	141.93	85.77	55.56		
15	242.26	416.12	1068.98	478.75	3032.76	7207.17	19268.29	3373.51	939.54	139.85	91.19	54.16		
16	272.80	535.09	1006.61	761.69	3070.17	7340.65	18468.53	3132.64	867.90	137.78	89.22	52.76		
17	286.81	573.83	908.76	919.00	3070.17	7563.73	17675.33	2855.95	766.71	135.71	85.77	51.37		
18	303.73	598.20	771.74	1042.94	3070.17	7699.56	16644.39	2592.33	647.27	133.65	81.37	49.99		
19	306.56	632.50	632.50	1163.30	3070.17	7838.92	16077.17	2333.12	568.97	131.59	81.37	48.60		
20	281.19	681.87	470.42	1301.73	3120.14	8025.18	15066.25	2093.98	487.10	131.59	82.84	47.22		
21	236.75	741.64	303.73	1394.74	3220.33	8166.01	14411.06	1848.87	427.86	129.53	79.91	45.85		
22	236.75	832.32	156.55	1475.60	3360.16	8451.78	13623.69	1663.45	378.22	129.53	78.45	44.48		
23	275.59	944.68	107.15	1550.16	3507.35	8748.55	12944.09	1509.44	332.16	131.59	77.00	43.12		
24	264.43	1032.55	135.71	1625.13	3615.59	9056.41	11999.40	1394.74	286.81	131.59	79.91	41.76		
25	228.51	1105.56	148.18	1688.14	3729.45	9369.62	11134.29	1313.74	264.43	133.65	79.91	41.76		
26	212.14	1163.30	156.55	1787.28	3872.32	9699.05	10572.38	1253.85	247.78	135.71	75.54	40.40		
27	204.01	1200.22	137.78	1884.97	4030.16	10168.25	9899.83	1226.67	236.75	135.71	74.09	40.40		
28	228.51	1189.66	111.18	1984.62	4197.07	10572.38	9369.62	1189.66	220.31	131.59	72.65	40.40		
29	231.25	1194.94	121.34	2093.98	4396.06	11212.40	9056.41	1158.04	195.92	127.48		40.40		
30	206.72	1216.08	146.09	2158.08	4648.34	11760.88	8547.28	1084.64	186.25	127.48		40.40		
31		1226.67		2231.59	4891.33		8166.01		177.71	123.38		39.05		
Total	7473.69	18155.16	23599.51	26864.10	99687.73	229534.58	488687.05	106291.92	21076.82	4536.63	2604.70	1741.45	1030253.34	Ton/day
Mean	249.12	585.65	786.65	866.58	3215.73	7651.15	15764.10	3543.06	679.90	146.34	93.02	56.18	2822.61	Ton/day
Max	306.56	1226.67	1301.73	2231.59	4891.33	11760.88	22913.93	7792.44	1037.74	175.58	123.38	91.19	22913.93	Ton/day
Min	198.61	164.98	107.15	45.85	2342.37	5135.70	8166.01	1084.64	177.71	123.38	72.65	39.05	39.05	Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Mun River at Ban Satuk, Buri Ram (M.6A)**

Lat 15 - 18 - 00 N Long 103 - 17 - 32 E

Location : on right bank at Satuk.

	Ban Satuk	Amphoe Satuk	Changwat Buri Ram
Drainage Area	28,357 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2000-Cont'd		
Actual Measurement	2000-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	37		
R-Square	0.9159		
Remarks	Continued Sediment Station		

$$QS = 9.4738 QW^{0.86030}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	122.53	151.07	804.98	82.64	1597.02	2410.23	3837.93	2883.81	703.26	75.71	53.01	27.83	
2	126.82	143.24	820.80	74.55	1591.35	2421.50	4052.17	2775.27	689.07	75.71	53.01	39.78	
3	130.03	138.50	827.11	72.21	1585.67	2455.26	4270.64	2648.41	683.37	74.55	57.90	48.35	
4	128.96	141.66	842.87	73.38	1568.62	2500.14	4559.14	2536.36	686.22	74.55	71.04	45.52	
5	128.96	143.24	861.71	73.38	1551.54	2500.14	5048.27	2421.50	689.07	72.21	60.32	36.85	
6	123.61	146.38	880.48	74.55	1534.43	2466.49	5625.28	2297.07	689.07	66.31	27.83	32.89	
7	111.70	155.22	889.84	73.38	1517.29	2432.76	6115.94	2185.01	689.07	62.73	25.08	37.83	
8	97.35	165.51	899.19	71.04	1517.29	2410.23	6726.77	2072.69	694.75	60.32	23.68	39.78	
9	92.86	181.78	899.19	90.61	1523.01	2432.76	6903.21	1952.52	706.10	59.11	22.97	37.83	
10	100.69	221.47	883.60	93.99	1540.14	2455.26	6852.88	1829.74	711.76	59.11	22.27	27.83	
11	123.61	238.47	883.60	96.23	1545.84	2444.01	6726.77	1723.83	714.59	55.77	23.68	23.68	
12	146.38	278.96	867.97	109.51	1557.24	2444.01	6524.20	1614.02	706.10	53.93	28.86	21.55	
13	175.71	390.95	823.96	267.16	1557.24	2466.49	6269.54	1505.85	686.22	53.93	28.86	20.12	
14	197.81	386.49	754.00	597.02	1551.54	2477.72	5987.46	1406.53	628.90	53.01	29.88	19.03	
15	211.66	397.62	677.67	657.66	1545.84	2586.26	5780.95	1310.46	579.51	53.01	31.89	18.67	
16	219.03	419.74	591.19	706.10	1545.84	2623.58	5547.18	1226.56	499.59	51.15	33.89	18.30	
17	221.47	435.11	491.02	760.40	1551.54	2660.82	5416.62	1141.72	410.92	51.15	34.88	17.94	
18	216.58	444.28	406.49	830.27	1540.14	2735.04	5232.97	1046.73	339.14	49.29	34.88	17.94	
19	197.81	465.15	286.01	902.30	1528.72	2852.87	5021.79	973.42	300.01	51.15	37.83	17.57	
20	189.82	493.59	147.94	984.93	1545.84	2991.69	4782.47	927.14	255.27	52.08	52.08	18.67	
21	195.82	550.13	140.08	1096.65	1614.02	3084.93	4630.79	880.48	189.82	52.08	59.11	20.12	
22	207.72	576.58	128.96	1195.42	1666.96	3151.07	4511.26	855.43	173.68	53.93	48.35	19.03	
23	205.75	620.23	128.96	1253.15	1742.72	3184.05	4246.45	830.27	159.35	53.93	40.74	18.30	
24	181.78	640.43	119.30	1297.27	1808.92	3216.98	4052.17	820.80	143.24	54.85	34.88	17.94	
25	169.60	637.55	109.51	1332.39	1889.22	3252.38	3859.44	811.31	127.89	54.85	32.89	17.94	
26	165.51	680.53	106.21	1354.27	1993.62	3328.03	3646.54	792.28	116.05	47.41	29.88	17.57	
27	163.46	683.37	122.53	1391.32	2166.13	3422.21	3515.96	776.37	104.01	46.47	27.15	17.57	
28	165.51	683.37	123.61	1446.97	2245.51	3459.76	3403.41	757.20	95.11	46.47	25.77	18.30	
29	167.56	717.41	107.31	1505.85	2255.57	3572.02	3290.24	737.15	86.07	46.47		17.94	
30	159.35	745.58	91.74	1534.43	2319.77	3683.71	3167.57	720.24	76.87	49.29		17.94	
31		773.18		1574.31	2342.44		2976.31		76.87	51.15		17.94	
Total	4845.45	12846.79	15717.83	21673.34	53041.02	84122.40	152582.32	44460.17	13410.95	1761.68	1052.61	768.55	406283.11 Tondays
Mean	161.52	414.41	523.93	699.14	1711.00	2804.08	4922.01	1482.01	432.61	56.83	37.59	24.79	1113.10 Ton/day
Max	221.47	773.18	899.19	1574.31	2342.44	3683.71	6903.21	2883.81	714.59	75.71	71.04	48.35	6903.21 Ton/day
Min	92.86	138.50	91.74	71.04	1517.29	2410.23	2976.31	720.24	76.87	46.47	22.27	17.57	17.57 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Mun River at Ban Chumchondeengam, Ubon Ratchathani (M.7)**

Lat 15 - 13 - 21 N Long 104 - 51 - 33 E

Location : on left bank at Seri Prachathipatai Bridge.

	Ban Chumchondeengam	Amphoe Warin Chamrap	Changwat Ubon Ratchathani
Drainage Area	107,238 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2010-Cont'd		
Actual Measurement	2010-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.9070		
Remarks	Continued Sediment Station		

$$QS = 1.4449 QW^{1.25490}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1146.90	885.45	3405.60	1001.09	9041.54	21964.17	55310.93	48938.61	10523.83	1001.09	1171.59	773.45	
2	1321.89	954.08	3508.63	1049.25	8890.86	21836.04	59438.06	46970.58	9904.94	862.80	1146.90	709.04	
3	1196.38	1073.50	3856.47	1001.09	8740.69	21644.15	63976.11	45155.66	9547.49	817.88	1171.59	625.83	
4	954.08	1146.90	4390.30	773.45	8690.75	21452.59	68060.72	43367.21	9243.25	751.42	1049.25	646.44	
5	977.19	1296.59	5024.93	605.36	8941.03	21388.82	71875.93	41672.45	8890.86	667.17	931.09	730.17	
6	908.21	1606.52	5496.72	688.04	9041.54	21580.26	74564.18	40121.94	8392.35	795.60	954.08	730.17	
7	840.28	1768.65	5775.82	751.42	9496.65	22285.14	76857.03	38583.50	7704.46	840.28	931.09	795.60	
8	862.80	1975.42	5936.56	795.60	10316.69	23124.05	78645.24	37060.28	6753.30	885.45	908.21	885.45	
9	817.88	2066.22	6098.18	908.21	10627.71	23773.62	79543.29	35583.61	5655.86	954.08	977.19	840.28	
10	840.28	1797.90	6383.12	1001.09	11309.05	24263.17	80263.22	34349.36	4947.15	977.19	977.19	817.88	
11	730.17	1632.94	6465.02	1146.90	12012.44	24551.32	80804.03	33241.16	4390.30	840.28	1025.11	862.80	
12	605.36	1886.24	6179.32	1712.73	12449.53	24767.88	80804.03	32206.91	4139.43	667.17	1073.50	862.80	
13	544.81	2035.34	5735.78	2966.57	12559.29	25057.23	80623.68	31140.83	3997.44	605.36	1025.11	840.28	
14	505.18	2005.33	4644.12	3926.83	12669.25	25426.47	80623.68	30175.06	4175.09	646.44	885.45	795.60	
15	544.81	1915.87	3751.42	4534.98	13277.47	25902.81	80443.41	29128.62	4390.30	688.04	908.21	751.42	
16	625.83	1886.24	3133.97	5299.10	13667.51	26301.13	79903.09	28003.53	4103.84	751.42	1025.11	795.60	
17	709.04	2005.33	2637.53	5695.79	13947.50	26620.68	79183.82	27021.20	3577.66	840.28	931.09	862.80	
18	730.17	2005.33	2768.20	5896.29	14510.91	27583.96	78107.40	26061.99	3167.67	862.80	840.28	885.45	
19	751.42	2316.64	3100.34	5815.92	14922.19	28868.19	76857.03	25057.23	2768.20	773.45	862.80	885.45	
20	730.17	2867.04	2801.07	6301.44	16297.57	29825.41	75092.04	24047.52	2540.38	730.17	954.08	840.28	
21	709.04	3508.63	2572.68	8046.91	18250.83	30876.82	73183.17	23124.05	2348.34	688.04	931.09	885.45	
22	667.17	3646.96	2443.98	9395.12	19119.21	32024.11	71237.14	22092.44	2253.49	773.45	931.09	931.09	
23	625.83	3612.28	2159.44	9445.86	19431.31	33149.15	69169.11	20943.48	2066.22	751.42	931.09	931.09	
24	564.85	3577.66	1768.65	9496.65	19431.31	34349.36	66326.35	19431.31	1606.52	862.80	862.80	885.45	
25	544.81	3716.53	1501.72	9395.12	19431.31	35696.77	63820.04	17696.96	1449.87	817.88	773.45	862.80	
26	646.44	3681.71	1372.79	9243.25	19807.19	37291.40	61804.57	16660.36	1449.87	730.17	751.42	840.28	
27	751.42	3646.96	1171.59	9243.25	20500.06	38701.41	59726.95	15876.38	1347.29	751.42	840.28	862.80	
28	773.45	3751.42	977.19	8991.26	21134.11	41194.10	57571.91	14510.91	1271.38	817.88	751.42	840.28	
29	795.60	3646.96	977.19	8991.26	21644.15	47231.04	55592.55	12834.55	1246.28	885.45		885.45	
30	795.60	3405.60	977.19	8941.03	21900.09	51538.00	53068.58	11740.89	1271.38	1025.11		840.28	
31		3405.60		8941.03	21964.17		50983.69		1146.90	1122.32		625.83	
Total	23217.06	74727.84	107015.52	152001.89	454023.91	870269.25	2183460.98	872798.58	136271.34	25184.31	26521.56	25327.59	4950819.83 Tonday
Mean	773.90	2410.58	3567.18	4903.29	14645.93	29008.97	70434.23	29093.29	4395.85	812.40	947.20	817.02	13563.89 Ton/day
Max	1321.89	3751.42	6465.02	9496.65	21964.17	51538.00	80804.03	48938.61	10523.83	1122.32	1171.59	931.09	80804.03 Ton/day
Min	505.18	885.45	977.19	605.36	8690.75	21388.82	50983.69	11740.89	1146.90	605.36	751.42	625.83	505.18 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Huai Samran at Ban Saphan Khao Community, Si Sa ket (M.9)**

Lat 15 - 07 - 05 N Long 104 - 19 - 07 E

Location : on right bank at the bridge on Highway.

	Ban Saphan Khao Community	Amphoe Mueang	Changwat Si Sa Ket
Drainage Area	3,042 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	24		
R-Square	0.9288		
Remarks	Continued Sediment Station		

$$QS = 3.1096 QW^{0.97320}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	12.92	6.88	14.25	105.54	1569.01	103.89	7.64	6.19	7.05	0.00	
2	0.00	0.00	12.92	6.88	13.96	104.72	1577.68	94.54	7.73	6.16	7.08	0.00	
3	0.00	0.00	12.92	6.82	13.85	104.72	1595.01	85.16	7.82	6.10	7.11	0.00	
4	0.00	0.00	13.50	6.82	13.79	105.54	1642.65	76.86	7.91	6.08	7.14	0.00	
5	0.00	0.00	13.85	6.82	13.61	113.77	1655.63	69.65	7.97	6.02	7.17	0.00	
6	0.00	0.00	13.85	6.82	13.38	121.17	1446.24	60.19	8.06	5.99	7.20	0.00	
7	0.00	0.00	13.56	7.59	13.38	137.55	1278.84	50.68	8.15	5.96	7.23	0.00	
8	0.00	0.00	13.15	8.59	13.79	162.85	1110.84	45.35	8.23	5.93	7.26	0.00	
9	0.00	0.00	12.80	10.17	14.31	202.88	1059.33	39.43	8.29	5.90	7.32	0.00	
10	0.00	0.00	12.45	10.64	14.78	229.81	1018.07	32.64	8.38	5.87	7.38	0.00	
11	0.00	0.00	12.16	11.46	15.76	240.56	987.61	30.37	8.47	5.96	7.41	0.00	
12	0.00	0.00	12.22	12.63	17.78	252.36	957.38	26.96	8.56	6.05	7.38	0.00	
13	0.00	0.00	12.63	19.51	18.65	264.15	917.04	23.53	8.59	6.13	7.32	0.00	
14	0.00	0.00	11.81	20.95	16.34	277.00	866.54	20.09	8.35	6.25	7.38	0.00	
15	0.00	0.00	10.99	21.52	16.34	288.76	836.20	17.55	8.12	6.37	7.35	0.00	
16	0.00	0.00	10.23	21.24	18.36	306.90	785.57	16.86	7.88	6.49	7.35	0.00	
17	0.00	10.06	9.70	22.38	22.38	333.54	714.54	16.17	7.64	6.58	7.41	0.00	
18	0.00	13.56	9.47	25.24	39.29	357.46	643.31	15.47	7.41	6.67	7.44	0.00	
19	0.00	17.21	9.23	26.53	35.90	385.32	562.69	14.78	7.20	6.70	7.41	0.00	
20	0.00	14.89	9.00	30.80	40.56	411.80	532.77	14.08	6.99	6.76	7.38	0.00	
21	0.00	14.54	8.76	34.63	51.80	440.07	479.11	13.21	6.79	6.82	7.41	0.00	
22	0.00	14.66	8.53	34.20	61.86	471.73	422.11	12.36	6.58	6.85	7.38	0.00	
23	0.00	14.66	8.47	34.20	61.30	512.53	351.36	11.66	6.37	6.88	7.32	0.00	
24	0.00	14.49	8.06	38.87	59.07	587.85	313.30	10.96	6.22	6.91	7.35	0.00	
25	0.00	14.20	7.47	31.22	62.97	725.22	266.29	10.26	6.22	6.94	7.41	0.00	
26	0.00	13.91	7.17	26.53	74.09	892.97	224.97	9.56	6.22	6.96	7.32	0.00	
27	0.00	13.73	7.05	22.96	91.51	1093.33	194.25	8.97	6.19	6.99	7.26	0.00	
28	0.00	13.73	7.05	20.09	99.77	1245.75	173.15	8.41	6.19	7.02	7.29	0.00	
29	0.00	13.32	6.88	18.36	103.07	1392.04	151.98	7.94	6.19	7.05		0.00	
30	0.00	13.15	6.82	14.78	102.24	1521.31	129.09	7.70	6.19	7.05		0.00	
31		12.92		14.14	102.24		116.79		6.19	7.05		0.00	
Total	0.00	209.03	315.62	580.27	1250.38	13389.20	24579.35	955.28	228.74	200.68	204.51	0.00	41913.06 Tonday
Mean	0.00	6.74	10.52	18.72	40.33	446.31	792.88	31.84	7.38	6.47	7.30	0.00	114.83 Ton/day
Max	0.00	17.21	13.85	38.87	103.07	1521.31	1655.63	103.89	8.59	7.05	7.44	0.00	1655.63 Ton/day
Min	0.00	0.00	6.82	6.82	13.38	104.72	116.79	7.70	6.19	5.87	7.05	0.00	0.00 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Mun River at Ban Pho Tak, Ubon Ratchathani (M.11B)**

Lat 15 - 14 - 59 N Long 105 - 14 - 21 E

Location : on right bank at the bridge on road.

	Ban Pho Tak	Amphoe Phibul Mangsahan	Changwat Ubon Ratchathani
Drainage Area	116,341 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2009-Cont'd		
Actual Measurement	2009-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.9015		
Remarks	Continued Sediment Station		

$$QS = 4.0499 QW^{1.08010}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1822.07	1091.75	3288.05	1332.06	8803.60	20754.98	44533.60	35544.37	12492.59	1224.82	1657.49	1224.82	
2	2043.22	1171.46	3834.01	1385.93	8877.09	20425.51	46691.70	34319.42	11858.82	1091.75	1657.49	1012.47	
3	1548.44	1439.95	4143.95	1224.82	8950.63	20260.92	49503.01	33191.57	11326.03	973.00	1767.08	933.65	
4	1385.93	1602.90	4643.41	855.32	9024.22	19767.75	52008.53	32066.54	11026.90	777.53	1548.44	894.43	
5	1439.95	1932.41	5463.47	585.66	9097.85	19603.56	53386.21	31037.84	10504.87	777.53	1385.93	1012.47	
6	1278.36	2322.17	5976.55	623.70	9171.52	19932.04	54421.22	30198.04	9910.62	1012.47	1602.90	1052.06	
7	1091.75	2490.76	6044.21	700.30	9984.76	20837.41	55112.03	29173.98	9097.85	1091.75	1439.95	1171.46	
8	1091.75	2660.19	5976.55	855.32	11176.39	21935.99	55572.94	28165.22	8144.24	1131.55	1332.06	1332.06	
9	973.00	2773.60	6111.93	1131.55	11400.91	22370.78	55918.80	27457.72	7202.66	1278.36	1439.95	1224.82	
10	1052.06	2490.76	6247.53	1439.95	11937.91	22457.81	56380.19	26663.41	6247.53	1439.95	1657.49	1171.46	
11	933.65	2322.17	6519.39	1548.44	12571.98	22457.81	56495.59	25958.82	5526.95	1052.06	1548.44	1332.06	
12	777.53	2773.60	6044.21	2434.46	13208.43	22544.87	56264.82	25255.65	5336.67	816.36	1602.90	1385.93	
13	661.92	3001.45	5590.48	4019.76	13288.14	22893.35	55803.49	24553.92	5336.67	700.30	1548.44	1224.82	
14	661.92	2944.36	4706.14	5273.36	13288.14	23329.50	55342.45	23853.69	5654.07	777.53	1494.12	1224.82	
15	777.53	2773.60	3895.85	6179.70	14087.25	23504.13	54996.85	23154.97	5908.94	855.32	1224.82	1091.75	
16	816.36	2830.44	3345.60	6587.49	14488.08	23941.13	54651.42	22631.95	5210.10	1012.47	1494.12	1131.55	
17	1012.47	3115.86	2887.36	6860.40	14728.98	24291.16	54076.05	21849.11	4081.82	1091.75	1494.12	1385.93	
18	933.65	2944.36	2830.44	6860.40	15534.05	25694.96	53271.31	21249.92	3525.92	1091.75	1171.46	1385.93	
19	933.65	3230.58	3115.86	6723.84	15856.96	26927.99	52237.95	20507.84	3173.18	973.00	1171.46	1385.93	
20	973.00	4019.76	3001.45	6860.40	17722.90	27634.47	51091.56	19932.04	3058.61	933.65	1385.93	1278.36	
21	933.65	4643.41	2773.60	8803.60	20014.22	27811.30	49832.73	19275.49	2830.44	894.43	1332.06	1385.93	
22	894.43	4580.75	2603.62	10356.07	20178.66	28253.75	48295.42	18538.85	2887.36	1052.06	1332.06	1494.12	
23	816.36	4143.95	2266.17	10058.94	19849.88	29453.01	47006.87	17722.90	2547.14	973.00	1332.06	1494.12	
24	661.92	4081.82	1932.41	9836.52	19603.56	30198.04	45747.15	16747.45	2154.48	1012.47	1171.46	1385.93	
25	738.84	4393.16	1548.44	9614.47	19521.50	31037.84	44633.91	16018.59	1932.41	1131.55	1012.47	1332.06	
26	933.65	4019.76	1439.95	9245.24	19603.56	31972.92	43244.17	15534.05	1932.41	1012.47	1012.47	1332.06	
27	1091.75	4081.82	1224.82	8950.63	20178.66	32816.24	42001.01	15131.12	1712.22	933.65	1385.93	1278.36	
28	1012.47	4580.75	1012.47	8803.60	20507.84	35450.03	40665.26	14407.85	1494.12	1052.06	1224.82	1332.06	
29	1052.06	3772.24	1224.82	8583.39	21084.84	40855.89	39332.77	13049.10	1439.95	1224.82		1548.44	
30	1012.47	2716.86	1332.06	8656.75	21249.92	42478.83	38098.43	12969.48	1494.12	1548.44		1171.46	
31		2547.14		8656.75	21002.34		36867.06		1439.95	1712.22		585.66	
Total	31355.81	93493.79	111024.80	165048.82	465994.77	781893.97	1543484.50	696160.90	166489.64	32650.07	39427.92	38196.98	4165221.97 Tonday
Mean	1045.19	3015.93	3700.83	5324.16	15032.09	26063.13	49789.82	23205.36	5370.63	1053.23	1408.14	1232.16	11411.57 Ton/day
Max	2043.22	4643.41	6519.39	10356.07	21249.92	42478.83	56495.59	35544.37	12492.59	1712.22	1767.08	1548.44	56495.59 Ton/day
Min	661.92	1091.75	1012.47	585.66	8803.60	19603.56	36867.06	12969.48	1439.95	700.30	1012.47	585.66	585.66 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Lam Se Bai at Ban Chiang Pheng, Yasothon (M.32)**

Lat 15 - 50 - 24 N Long 104 - 27 - 21 E

Location : on right bank at Phawaphutanon bridge.

	Ban Chiang Pheng	Amphoe Pa Tiu	Changwat Yasothon
Drainage Area	1,648 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.7779		
Remarks	Continued Sediment Station		

$$QS = 6.0149 QW^{0.92160}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	9.28	79.22	116.40	1104.12	79.22	79.22	13.48	0.00	0.00	
2	0.00	0.00	70.27	37.10	75.65	113.38	1019.15	79.22	73.86	11.39	0.00	0.00	
3	0.00	0.00	88.08	63.04	81.00	104.28	963.86	79.22	68.47	11.39	0.00	0.00	
4	0.00	0.00	110.36	64.86	95.12	98.18	877.86	77.44	66.66	11.39	0.00	0.00	
5	0.00	0.00	166.85	61.22	119.42	101.24	757.40	75.65	64.86	11.39	0.00	0.00	
6	0.00	0.00	181.42	57.57	128.42	125.42	585.89	73.86	63.04	7.12	0.00	0.00	
7	0.00	0.00	149.21	61.22	116.40	131.40	418.43	72.07	61.22	4.90	0.00	0.00	
8	0.00	0.00	116.40	66.66	140.33	113.38	315.25	70.27	59.40	2.59	0.00	0.00	
9	0.00	0.00	93.36	72.07	158.05	122.42	251.33	68.47	57.57	2.59	0.00	0.00	
10	0.00	0.00	79.22	77.44	264.21	166.85	198.77	68.47	53.91	0.00	0.00	0.00	
11	0.00	0.00	70.27	82.77	378.08	172.69	149.21	64.86	53.91	0.00	0.00	0.00	
12	0.00	0.00	57.57	82.77	368.71	155.11	107.33	63.04	55.74	0.00	0.00	0.00	
13	0.00	0.00	53.91	86.32	273.84	128.42	95.12	63.04	55.74	0.00	0.00	0.00	
14	0.00	0.00	52.06	128.42	169.77	113.38	89.84	61.22	52.06	0.00	0.00	0.00	
15	0.00	0.00	55.74	143.30	149.21	113.38	104.28	61.22	52.06	0.00	0.00	0.00	
16	0.00	0.00	48.36	131.40	264.21	169.77	152.16	57.57	52.06	0.00	0.00	0.00	
17	0.00	0.00	44.63	119.42	305.74	207.40	160.99	57.57	50.21	0.00	0.00	0.00	
18	0.00	0.00	44.63	104.28	270.64	210.27	146.26	55.74	48.36	0.00	0.00	0.00	
19	0.00	0.00	44.63	91.60	244.86	190.11	128.42	55.74	48.36	0.00	0.00	0.00	
20	0.00	0.00	42.76	84.55	305.74	158.05	113.38	55.74	44.63	0.00	0.00	0.00	
21	0.00	0.00	42.76	84.55	540.68	140.33	101.24	53.91	40.88	0.00	0.00	0.00	
22	0.00	0.00	42.76	98.18	546.73	163.92	91.60	52.06	38.99	0.00	0.00	0.00	
23	0.00	0.00	38.99	116.40	489.05	280.25	91.60	53.91	35.19	0.00	0.00	0.00	
24	0.00	0.00	38.99	107.33	449.25	540.68	88.08	52.06	33.28	0.00	0.00	0.00	
25	0.00	0.00	37.10	93.36	415.34	708.77	86.32	53.91	29.43	0.00	0.00	0.00	
26	0.00	0.00	33.28	84.55	381.19	795.53	82.77	73.86	25.53	0.00	0.00	0.00	
27	0.00	0.00	27.49	79.22	343.64	852.43	77.44	101.24	23.56	0.00	0.00	0.00	
28	0.00	0.00	21.58	75.65	315.25	898.16	75.65	113.38	19.58	0.00	0.00	0.00	
29	0.00	0.00	15.54	72.07	244.86	1024.17	77.44	98.18	17.57	0.00		0.00	
30	0.00	0.00	13.48	75.65	169.77	1104.12	79.22	84.55	15.54	0.00		0.00	
31		0.00		79.22	125.42		79.22		15.54	0.00		0.00	
Total	0.00	0.00	1881.70	2591.47	8009.80	9319.89	8669.63	2076.69	1456.43	76.24	0.00	0.00	34081.85 Tonday
Mean	0.00	0.00	62.72	83.60	258.38	310.66	279.67	69.22	46.98	2.46	0.00	0.00	93.37 Ton/day
Max	0.00	0.00	181.42	143.30	546.73	1104.12	1104.12	113.38	79.22	13.48	0.00	0.00	1104.12 Ton/day
Min	0.00	0.00	0.00	9.28	75.65	98.18	75.65	52.06	15.54	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Lam Takhong at Ban Tha Maprang, Nakhon Ratchasima (M.43A)**

Lat 14 - 30 - 43 N Long 101 - 22 - 49 E

Location : on left bank about 2 kilometers downstream from M.43

	Ban	Tha Maprang	Amphoe	Pak Chong	Changwat	Nakhon Ratchasima
Drainage Area	153	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1999-Cont'd					
Actual Measurement	1999-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	22					
R-Square	0.9319					
Remarks	Continued Sediment Station					

$$QS = 3.3058 QW^{1.34510}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.41	2.16	3.17	2.78	6.48	129.09	300.06	8.40	4.95	2.66	1.70	0.84	
2	1.81	4.22	3.17	2.91	10.73	117.28	205.54	7.84	4.46	2.66	1.70	0.81	
3	1.48	3.31	3.17	5.70	58.81	64.46	214.57	7.84	4.22	2.66	1.70	0.74	
4	1.37	2.29	8.40	4.70	32.74	45.29	192.18	7.84	4.22	2.66	1.93	0.74	
5	1.27	1.93	21.34	3.99	14.49	28.03	113.41	7.84	3.99	2.53	2.05	0.74	
6	1.06	1.70	32.74	3.76	8.12	21.34	121.18	7.56	3.76	2.41	2.78	0.74	
7	0.93	1.93	13.21	3.31	58.81	23.52	223.70	7.56	3.53	2.41	2.41	0.74	
8	0.93	2.16	7.29	3.04	70.24	210.04	170.45	7.29	3.53	2.41	2.29	0.74	
9	0.93	1.81	5.96	3.04	280.44	149.40	133.09	7.29	3.31	2.41	2.05	0.71	
10	0.87	2.66	7.56	3.99	83.70	67.33	196.61	7.29	3.31	2.29	1.93	0.68	
11	0.87	2.66	7.29	3.99	80.15	45.29	161.94	7.02	3.17	2.29	1.81	0.68	
12	0.96	2.66	5.45	3.76	73.18	42.70	94.57	7.02	3.17	2.29	1.81	0.68	
13	0.96	3.04	4.95	3.99	113.41	45.29	64.46	6.48	3.04	2.29	1.70	0.68	
14	1.16	2.16	4.95	3.76	40.15	98.26	45.29	5.70	2.91	2.16	1.70	0.68	
15	1.16	1.81	4.95	3.53	19.91	94.57	35.17	5.45	2.91	2.16	1.70	0.68	
16	1.37	2.05	4.70	3.17	166.18	37.64	35.17	4.95	2.91	2.16	1.70	0.68	
17	1.37	2.05	4.22	2.91	183.41	40.15	30.36	4.95	2.91	2.05	1.70	0.41	
18	1.48	2.05	3.76	2.41	109.57	28.03	23.52	7.02	2.91	2.05	1.70	0.28	
19	1.59	2.66	4.46	2.16	42.70	17.15	28.03	7.56	2.91	2.05	1.70	0.30	
20	1.93	3.31	3.99	3.17	23.52	23.52	21.34	5.45	2.91	1.93	1.59	0.30	
21	1.81	9.55	3.76	17.15	23.52	23.52	18.52	4.95	2.91	1.93	1.48	0.28	
22	1.48	61.62	3.99	117.28	58.81	23.52	19.91	4.70	2.91	1.93	1.37	0.38	
23	1.16	7.02	3.76	21.34	35.17	28.03	18.52	4.22	2.91	1.93	1.27	0.41	
24	1.06	5.96	3.76	8.40	19.91	37.64	15.80	5.96	2.78	1.93	1.16	0.46	
25	0.96	17.15	3.99	8.12	105.77	47.92	13.21	6.48	2.91	1.93	1.16	0.46	
26	0.93	6.48	4.46	7.84	376.55	70.24	11.95	5.20	2.78	1.93	0.96	0.46	
27	0.81	15.80	4.22	15.80	382.56	73.18	87.28	4.95	2.78	1.81	0.87	0.46	
28	0.68	6.75	3.53	35.17	157.73	50.59	21.34	8.12	2.78	1.81	0.84	0.60	
29	1.93	5.96	3.17	25.75	187.78	376.55	14.49	6.48	2.78	1.81		0.71	
30	2.66	4.46	2.91	8.40	161.94	388.59	11.95	5.45	2.78	1.70		0.71	
31		3.31		7.56	170.45		9.55		2.78	1.70		0.71	
Total	39.39	192.68	192.28	342.88	3156.93	2448.16	2653.16	194.86	100.13	66.94	46.76	18.49	9452.66 Tonday
Mean	1.31	6.22	6.41	11.06	101.84	81.61	85.59	6.50	3.23	2.16	1.67	0.60	25.90 Ton/day
Max	2.66	61.62	32.74	117.28	382.56	388.59	300.06	8.40	4.95	2.66	2.78	0.84	388.59 Ton/day
Min	0.68	1.70	2.91	2.16	6.48	17.15	9.55	4.22	2.78	1.70	0.84	0.28	0.28 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Huai Khayung at Ban Wang Chom Pu, Si Sa Ket (M.66)**

Lat 14 - 38 - 36 N Long 104 - 39 - 34 E

Location : on right bank about 50 meters upstream from the bridge of Kantharalak - Det Udom Road.

	Ban	Wang Chom Pu	Amphoe	Kantharalak	Changwat	Si Sa Ket
Drainage Area	551	sq.km.				
Method of sampling	Depth	Integrating				
Instrument Used	US.D-49					
Period of Available Records	2002-Cont'd					
Actual Measurement	2002-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	20					
R-Square	0.9397					
Remarks	Continued Sediment Station					

$$QS = 2.9304 QW^{1.25480}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.23	9.72	32.48	8.79	65.54	178.14	1975.29	35.50	21.53	26.60	27.18	10.43	
2	1.23	10.43	29.51	8.33	63.48	158.06	1778.63	34.28	20.98	26.60	31.88	9.72	
3	1.23	11.15	26.60	7.88	65.54	312.34	1597.53	33.08	19.89	26.03	36.72	9.25	
4	1.23	12.12	23.19	7.43	121.02	379.15	1425.67	31.88	18.81	26.03	41.70	9.02	
5	1.23	14.62	19.89	6.99	454.60	442.34	1291.38	30.69	17.74	26.03	46.81	8.56	
6	1.23	16.69	16.17	6.56	306.65	587.16	1111.77	29.51	16.69	26.03	52.69	7.88	
7	1.23	16.69	14.11	5.91	286.93	391.03	881.30	28.34	15.65	25.45	56.02	6.99	
8	1.32	17.74	13.11	5.29	352.70	261.97	692.51	27.76	14.62	25.45	58.03	6.56	
9	1.32	19.35	12.12	6.56	278.56	402.99	535.86	27.18	13.61	25.45	56.02	5.91	
10	1.32	20.98	11.39	20.98	332.39	232.12	421.06	26.60	12.61	25.45	52.69	5.49	
11	1.32	22.08	10.91	33.08	306.65	186.64	303.82	26.03	13.61	26.03	49.41	5.29	
12	1.32	23.75	10.43	36.11	295.35	292.54	233.91	25.45	15.13	27.18	46.16	5.08	
13	1.32	24.88	9.95	50.71	239.29	571.03	186.64	24.88	16.69	27.18	42.97	5.29	
14	1.32	25.45	9.49	63.48	188.36	427.12	161.37	24.32	18.27	26.60	39.82	5.49	
15	1.32	26.03	9.49	46.81	181.53	606.64	144.95	23.75	19.89	26.60	36.72	4.87	
16	1.38	27.18	9.25	45.52	209.13	399.99	132.08	23.19	20.98	26.60	33.68	4.47	
17	1.38	27.76	9.25	81.09	246.50	343.96	117.90	22.64	21.53	26.03	30.69	4.07	
18	1.38	27.76	9.25	169.71	451.53	488.64	108.63	22.08	22.08	26.03	27.76	3.88	
19	1.38	28.34	9.25	73.94	476.20	675.82	87.64	21.53	22.64	26.03	24.88	3.49	
20	1.38	28.92	9.25	52.69	352.70	773.75	70.42	20.98	23.19	26.03	22.08	2.93	
21	1.48	29.51	9.25	51.37	825.44	685.83	62.79	19.89	24.32	25.45	19.35	2.86	
22	1.48	30.10	9.25	149.84	1942.22	545.40	56.02	19.35	25.45	25.45	16.69	2.68	
23	1.71	30.69	9.25	190.07	820.81	402.99	52.69	19.35	26.60	25.45	13.61	2.39	
24	2.04	31.28	9.25	117.90	554.98	542.22	48.75	19.89	27.76	25.45	11.63	2.04	
25	2.39	31.88	9.25	159.71	952.14	639.40	46.16	19.89	27.76	25.45	11.15	1.97	
26	3.49	32.48	9.25	113.25	1367.79	655.90	42.97	20.43	27.18	25.45	10.67	1.71	
27	5.49	33.08	9.25	352.70	830.06	1121.60	41.08	20.98	27.18	24.88	10.67	2.04	
28	7.43	33.68	9.25	212.64	494.89	976.00	37.96	21.53	27.18	24.88	10.67	2.32	
29	8.79	33.68	9.25	140.09	323.76	2433.72	36.11	22.08	26.60	24.88		2.50	
30	9.49	33.68	9.25	86.17	230.33	2698.57	34.89	22.08	26.60	24.88		2.50	
31		33.08		68.32	198.69		34.89		26.60	24.88		2.68	
Total	69.86	764.78	387.59	2379.92	13815.76	18813.06	13752.67	745.14	659.37	800.53	918.35	150.36	53257.39 Tonday
Mean	2.33	24.67	12.92	76.77	445.67	627.10	443.63	24.84	21.27	25.82	32.80	4.85	145.91 Ton/day
Max	9.49	33.68	32.48	352.70	1942.22	2698.57	1975.29	35.50	27.76	27.18	58.03	10.43	2698.57 Ton/day
Min	1.23	9.72	9.25	5.29	63.48	158.06	34.89	19.35	12.61	24.88	10.67	1.71	1.23 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Lam Takhong at Vaccine Serum Office, Nakhon Ratchasima (M.89)**

Lat 14 - 41 - 52 N Long 101 - 24 - 55 E

Location : on left bank at the bridge infront of Vaccine Serum Office.

	Ban	-	Amphoe	Pak Chong	Changwat	Nakhon Ratchasima
Drainage Area	680	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1981 - 1988,1991,1997 - Cont'd					
Actual Measurement	1981 - 1988,1991,1997 - Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	21					
R-Square	0.8872					
Remarks	Continued Sediment Station					

$$QS = 4.2911 QW^{1.28870}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	9.81	24.79	24.79	6.50	63.58	358.50	877.66	65.61	51.71	19.99	13.98	7.24	
2	8.50	80.21	23.16	6.50	63.58	365.97	594.49	61.57	47.88	19.99	13.98	6.99	
3	8.50	44.12	18.44	6.26	82.35	203.80	589.49	59.56	44.12	19.99	9.81	6.74	
4	6.99	24.79	23.16	9.81	86.66	143.70	604.53	57.58	42.26	19.99	9.81	6.50	
5	6.50	16.92	47.88	9.81	73.87	122.81	373.47	55.61	40.43	19.99	19.99	6.50	
6	6.26	11.16	61.57	7.24	55.61	102.13	289.33	55.61	38.61	19.99	12.55	6.50	
7	6.02	9.81	65.61	6.99	57.58	102.13	292.89	53.65	38.61	19.99	12.55	6.50	
8	6.02	13.98	44.12	6.50	93.22	365.97	569.58	51.71	36.81	18.44	11.16	6.74	
9	5.78	18.44	33.27	6.99	190.76	696.47	303.62	49.79	35.03	18.44	13.98	6.50	
10	5.54	21.56	26.44	6.50	285.79	240.61	539.99	47.88	33.27	18.44	18.44	6.50	
11	5.31	21.56	31.53	6.74	143.70	184.32	486.70	45.99	33.27	19.99	15.43	6.74	
12	5.31	24.79	29.81	8.50	120.47	200.52	343.66	45.99	31.53	19.99	11.16	6.50	
13	5.54	19.99	23.16	7.24	149.80	174.75	240.61	44.12	29.81	19.99	9.81	6.74	
14	5.54	19.99	16.92	8.50	131.67	174.75	190.76	45.99	29.81	19.99	9.81	6.74	
15	6.02	13.98	13.98	8.50	95.43	296.46	162.16	47.88	28.11	18.44	9.81	6.99	
16	5.31	12.55	15.43	12.55	152.87	155.95	146.74	45.99	28.11	18.44	9.81	6.99	
17	6.99	29.81	13.98	9.81	268.21	118.14	152.87	44.12	28.11	18.44	9.81	7.24	
18	31.53	71.79	13.98	6.74	200.52	111.21	128.70	44.12	26.44	16.92	8.50	6.74	
19	11.16	80.21	9.81	6.74	140.67	97.65	111.21	59.56	26.44	18.44	8.50	6.02	
20	6.74	35.03	9.81	11.16	99.88	108.93	102.13	53.65	24.79	18.44	7.24	5.78	
21	6.74	38.61	8.50	59.56	86.66	104.38	97.65	45.99	24.79	16.92	7.24	6.02	
22	6.99	137.65	6.99	82.35	99.88	207.09	93.22	44.12	24.79	15.43	6.99	5.78	
23	8.50	84.50	6.99	143.70	97.65	604.53	88.83	42.26	24.79	15.43	6.99	5.78	
24	6.74	51.71	7.24	111.21	82.35	203.80	82.35	97.65	23.16	15.43	6.99	6.02	
25	6.26	53.65	12.55	99.88	73.87	181.12	78.08	88.83	23.16	15.43	6.99	6.02	
26	5.78	55.61	13.98	65.61	197.26	407.65	75.97	65.61	21.56	13.98	6.99	6.02	
27	6.02	45.99	13.98	99.88	505.94	411.49	102.13	55.61	21.56	13.98	6.99	6.02	
28	5.54	59.56	9.81	102.13	377.23	217.03	113.51	59.56	21.56	12.55	7.24	6.50	
29	6.02	40.43	6.99	95.43	240.61	812.65	82.35	65.61	19.99	12.55		6.74	
30	6.02	36.81	6.50	84.50	296.46	1651.01	73.87	55.61	19.99	13.98		6.99	
31		29.81		61.57	525.34		69.72		19.99	13.98		7.24	
Total	223.98	1229.81	640.38	1165.40	5139.47	9125.52	8058.27	1656.83	940.49	543.99	292.55	202.32	29219.01 Tonday
Mean	7.47	39.67	21.35	37.59	165.79	304.18	259.94	55.23	30.34	17.55	10.45	6.53	80.05 Ton/day
Max	31.53	137.65	65.61	143.70	525.34	1651.01	877.66	97.65	51.71	19.99	19.99	7.24	1651.01 Ton/day
Min	5.31	9.81	6.50	6.26	55.61	97.65	69.72	42.26	19.99	12.55	6.99	5.78	5.31 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Huai Ta Thieo at Ban Na Hai, Ubon Ratchathani (M.127)**

Lat 15 - 38 - 42 N Long 104 - 55 - 43 E

Location : on left bank at the bridge on road.

	Ban Na Hai	Amphoe Trakan Phutphon	Changwat Ubon Ratchathani
Drainage Area	425 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1997-Cont'd		
Actual Measurement	1997-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	24		
R-Square	0.7991		
Remarks	Continued Sediment Station		

$$QS = 11.0970 QW^{0.79090}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	37.10	23.27	71.80	68.57	488.07	26.46	0.00	0.00	0.00	0.00	
2	0.00	0.00	36.46	23.99	63.08	57.47	325.82	26.46	0.00	0.00	0.00	0.00	
3	0.00	0.00	34.52	25.05	58.61	50.54	247.76	26.46	0.00	0.00	0.00	0.00	
4	0.00	2.48	35.17	25.41	65.29	58.61	212.32	26.46	0.00	0.00	0.00	0.00	
5	0.00	4.28	38.37	25.76	50.54	52.88	160.24	26.46	0.00	0.00	0.00	0.00	
6	0.00	5.38	32.56	25.41	46.98	60.86	119.57	26.11	0.00	0.00	0.00	0.00	
7	0.00	5.90	26.11	24.34	55.19	80.24	89.47	24.70	0.00	0.00	0.00	0.00	
8	0.00	7.41	65.29	26.11	71.80	67.48	74.99	0.00	0.00	0.00	0.00	0.00	
9	0.00	8.37	74.99	63.08	73.93	64.19	64.19	0.00	0.00	0.00	0.00	0.00	
10	0.00	8.37	57.47	78.16	130.67	59.73	54.04	0.00	0.00	0.00	0.00	0.00	
11	0.00	8.37	54.04	59.73	132.49	50.54	48.17	0.00	0.00	0.00	0.00	0.00	
12	0.00	10.21	44.57	46.98	114.86	44.57	44.57	0.00	0.00	0.00	0.00	0.00	
13	0.00	18.44	37.10	64.19	103.35	64.19	42.12	0.00	0.00	0.00	0.00	0.00	
14	0.00	22.54	30.56	68.57	81.28	95.48	37.74	0.00	0.00	0.00	0.00	0.00	
15	0.00	40.26	27.15	55.19	96.48	166.70	66.39	0.00	0.00	0.00	0.00	0.00	
16	0.00	66.39	27.84	54.04	144.87	141.53	97.46	0.00	0.00	0.00	0.00	0.00	
17	0.00	49.36	42.73	45.78	120.50	156.98	89.47	0.00	0.00	0.00	0.00	0.00	
18	0.00	38.37	50.54	40.88	109.14	141.53	73.93	0.00	0.00	0.00	0.00	0.00	
19	0.00	33.22	40.26	35.17	87.44	253.54	63.08	0.00	0.00	0.00	0.00	0.00	
20	0.00	37.10	30.56	32.56	301.33	273.48	50.54	0.00	0.00	0.00	0.00	0.00	
21	0.00	31.90	26.11	42.73	516.26	302.24	46.98	0.00	0.00	0.00	0.00	0.00	
22	0.00	27.15	23.99	104.32	403.42	294.89	43.96	0.00	0.00	0.00	0.00	0.00	
23	0.00	25.76	22.91	79.20	269.71	420.63	41.50	0.00	0.00	0.00	0.00	0.00	
24	0.00	23.99	22.18	65.29	159.15	494.52	38.37	0.00	0.00	0.00	0.00	0.00	
25	0.00	23.99	21.81	48.17	127.00	374.28	36.46	0.00	0.00	0.00	0.00	0.00	
26	0.00	23.63	19.58	39.63	148.20	287.49	35.17	0.00	0.00	0.00	0.00	0.00	
27	0.00	22.91	24.70	57.47	220.32	291.20	34.52	0.00	0.00	0.00	0.00	0.00	
28	0.00	33.87	26.46	45.17	218.33	315.00	33.22	0.00	0.00	0.00	0.00	0.00	
29	0.00	80.24	24.34	44.57	141.53	735.87	29.21	0.00	0.00	0.00		0.00	
30	0.00	60.86	23.27	67.48	104.32	751.47	27.84	0.00	0.00	0.00		0.00	
31		45.78		76.05	85.40		26.46		0.00	0.00		0.00	
Total	0.00	766.53	1058.74	1513.75	4373.27	6276.70	2843.63	183.11	0.00	0.00	0.00	0.00	17015.73 Tonday
Mean	0.00	24.73	35.29	48.83	141.07	209.22	91.73	6.10	0.00	0.00	0.00	0.00	46.62 Ton/day
Max	0.00	80.24	74.99	104.32	516.26	751.47	488.07	26.46	0.00	0.00	0.00	0.00	751.47 Ton/day
Min	0.00	0.00	19.58	23.27	46.98	44.57	26.46	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Lam Phra Phloeng at Ban Wang Takian Thong, Nakhon Ratchasima (M.145)**

Lat 14 - 29 - 33 N Long 101 - 41 - 00 E

Location : on right bank at Ban Wang Takian Thong.

	Ban	Wang Takian Thong	Amphoe	Pak Chong	Changwat	Nakhon Ratchasima
Drainage Area	338	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1996-Cont'd					
Actual Measurement	1996-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	24					
R-Square	0.8883					
Remarks	Continued Sediment Station					

$$QS = 24.9560 QW^{1.29460}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.61	75.85	51.50	12.33	155.54	253.85	2065.62	28.23	96.39	8.62	5.25	3.51	
2	18.09	874.57	44.01	10.17	85.98	182.50	860.08	35.05	38.58	8.62	5.25	3.51	
3	19.61	190.16	40.37	10.17	47.72	262.64	1470.12	33.31	26.58	8.62	5.25	3.51	
4	29.91	55.34	91.15	9.65	45.86	197.88	1960.34	29.91	23.35	8.12	7.13	3.51	
5	22.72	40.37	57.29	9.65	24.96	213.55	710.71	29.91	21.15	8.12	6.65	3.11	
6	19.61	31.60	47.72	9.13	21.77	101.70	582.04	24.31	20.22	8.12	8.62	2.71	
7	17.20	61.22	42.18	8.62	20.22	155.54	420.46	18.69	21.15	8.12	7.62	3.51	
8	15.73	101.70	38.58	8.12	21.15	750.42	671.50	18.69	24.31	7.62	6.17	3.51	
9	14.29	57.29	35.05	8.12	51.50	2469.34	420.46	16.60	21.77	7.62	5.71	3.11	
10	12.33	142.93	33.31	8.12	61.22	645.64	2394.23	15.73	20.22	7.62	5.71	2.71	
11	11.51	53.41	31.60	7.62	36.80	431.55	1225.95	15.15	15.73	7.62	6.17	2.33	
12	10.97	49.60	42.18	8.12	28.23	903.71	522.56	15.15	13.72	7.62	5.25	2.33	
13	10.17	33.31	49.60	8.12	38.58	1082.95	289.44	15.15	12.33	7.62	4.80	2.33	
14	13.72	44.01	149.21	8.62	53.41	607.30	190.16	16.60	12.33	7.62	4.80	2.33	
15	14.29	101.70	35.05	8.12	174.91	522.56	142.93	20.22	12.33	7.62	4.80	2.33	
16	10.97	55.34	23.35	9.65	737.12	229.48	130.56	20.22	11.51	7.13	4.80	1.96	
17	19.61	182.50	21.15	8.62	545.91	142.93	161.94	18.09	11.51	7.13	7.13	1.96	
18	66.02	431.55	22.72	8.12	271.51	289.44	107.07	18.09	10.97	6.65	6.17	1.96	
19	22.72	487.97	22.72	6.65	124.47	409.43	80.88	20.22	10.97	7.62	5.25	1.60	
20	19.61	229.48	23.35	8.62	66.02	213.55	66.02	18.69	10.97	6.65	4.80	2.33	
21	15.15	197.88	22.72	80.88	75.85	136.71	57.29	18.69	10.17	6.17	4.80	2.33	
22	49.60	658.54	26.58	66.02	118.45	289.44	49.60	18.09	10.17	5.71	4.80	1.60	
23	42.18	168.40	18.69	42.18	85.98	316.81	36.80	17.20	10.17	5.71	4.36	1.96	
24	23.35	80.88	35.05	26.58	55.34	205.68	33.31	326.05	10.17	5.71	4.36	2.33	
25	18.69	168.40	21.77	31.60	85.98	1098.21	28.23	130.56	9.65	5.71	4.36	2.33	
26	15.73	91.15	19.61	18.69	205.68	1206.39	24.96	61.22	9.65	5.71	3.93	2.33	
27	18.09	61.22	18.09	182.50	398.47	1082.95	26.58	36.80	9.65	5.71	3.93	1.10	
28	53.41	57.29	23.35	31.60	168.40	398.47	35.05	47.72	9.13	5.71	3.51	0.80	
29	112.50	53.41	18.09	155.54	136.71	4172.92	33.31	45.86	9.13	5.25		1.27	
30	49.60	47.72	14.29	221.48	289.44	5164.79	29.91	59.25	9.13	5.25		14.29	
31		45.86		53.41	442.71		26.58		9.13	4.80		12.33	
Total	786.99	4930.65	1120.33	1086.82	4675.89	24138.33	14854.69	1189.45	542.24	215.92	151.38	96.83	53789.52 Tonday
Mean	26.23	159.05	37.34	35.06	150.84	804.61	479.18	39.65	17.49	6.97	5.41	3.12	147.37 Ton/day
Max	112.50	874.57	149.21	221.48	737.12	5164.79	2394.23	326.05	96.39	8.62	8.62	14.29	5164.79 Ton/day
Min	10.17	31.60	14.29	6.65	20.22	101.70	24.96	15.15	9.13	4.80	3.51	0.80	0.80 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Huai La - ong at Ban Na Phu, Amnart Charoen (M.155)**

Lat 16 - 00 - 21 N Long 104 - 38 - 23 E

Location : on left bank at the bridge on road.

	Ban Na Phu	Amphoe Mueang	Changwat Amnart Charoen
Drainage Area	218 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1999-Cont'd		
Actual Measurement	1999-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.8771		
Remarks	Continued Sediment Station		

$$QS = 4.6314 QW^{1.12660}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.76	12.42	24.27	295.52	7.31	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.55	0.97	10.11	18.69	130.02	8.98	0.00	0.00	0.00	0.00	
3	0.00	0.00	1.65	0.97	10.11	15.37	207.31	8.98	0.00	0.00	0.00	0.00	
4	0.00	0.00	4.11	0.97	12.42	18.69	174.03	8.42	0.00	0.00	0.00	0.00	
5	0.00	0.00	37.49	0.97	15.97	20.53	98.62	9.54	0.00	0.00	0.00	0.00	
6	0.00	0.00	23.33	0.97	18.69	29.99	56.43	7.86	0.00	0.00	0.00	0.00	
7	0.00	0.00	12.42	0.76	18.69	25.21	52.30	8.98	0.00	0.00	0.00	0.00	
8	0.00	0.00	6.22	0.97	76.84	22.39	38.82	8.98	0.00	0.00	0.00	0.00	
9	0.00	0.00	4.11	0.76	98.62	32.91	31.93	7.86	0.00	0.00	0.00	0.00	
10	0.00	0.00	3.60	11.26	361.21	45.50	27.11	7.31	0.00	0.00	0.00	0.00	
11	0.00	0.00	2.85	16.87	253.43	34.86	20.53	6.77	0.00	0.00	0.00	0.00	
12	0.00	0.00	2.12	14.77	148.38	28.07	16.87	5.69	0.00	0.00	0.00	0.00	
13	0.00	0.00	2.12	34.86	78.99	23.33	14.77	4.37	0.00	0.00	0.00	0.00	
14	0.00	0.00	2.12	28.07	45.50	41.48	14.18	3.10	0.00	0.00	0.00	0.00	
15	0.00	0.00	2.60	18.69	64.09	20.53	28.07	1.88	0.00	0.00	0.00	0.00	
16	0.00	0.00	2.12	24.27	212.11	32.91	40.14	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	2.12	17.78	132.30	34.86	38.82	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	2.12	13.59	100.83	33.88	33.88	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	2.12	11.26	68.31	34.86	26.16	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	2.12	8.98	216.93	36.18	20.53	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	1.88	10.68	270.68	33.88	16.87	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	1.65	66.19	183.47	53.67	17.78	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	1.42	57.81	81.14	361.21	15.97	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	1.19	50.93	44.16	674.41	14.77	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.97	30.96	38.82	606.32	13.59	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.97	17.78	55.05	407.50	13.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.97	14.18	66.19	268.20	11.84	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.76	11.26	53.67	258.34	15.37	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.76	8.42	33.88	919.95	13.59	0.00	0.00	0.00		0.00	
30	0.00	0.00	0.76	10.68	27.11	652.53	11.26	0.00	0.00	0.00		0.00	
31		0.00		13.00	24.27		8.98		0.00	0.00		0.00	
Total	0.00	0.00	127.22	500.39	2834.39	4810.52	1519.06	106.03	0.00	0.00	0.00	0.00	9897.61 Tonday
Mean	0.00	0.00	4.24	16.14	91.43	160.35	49.00	3.53	0.00	0.00	0.00	0.00	27.12 Ton/day
Max	0.00	0.00	37.49	66.19	361.21	919.95	295.52	9.54	0.00	0.00	0.00	0.00	919.95 Ton/day
Min	0.00	0.00	0.00	0.76	10.11	15.37	8.98	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Huai Lam Phong at Ban Nikhom, Yasothon (M.157)**

Lat 15 - 48 - 23 N Long 104 - 19 - 41 E

Location : on right bank at the bridge of Arun Prasoet road.

	Ban Nikhom	Amphoe Pa Tio	Changwat Yasothon
Drainage Area	731 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1997, 2002 - Cont'd		
Actual Measurement	1997 – 1998,2000 - Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.9597		
Remarks	Continued Sediment Station		

$$QS = 2.2186 QW^{1.16990}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	17.35	0.00	23.80	48.23	311.91	23.80	24.90	9.29	0.00	0.00	
2	0.00	0.00	26.01	0.00	21.62	50.67	324.99	22.70	23.80	7.40	0.00	0.00	
3	0.00	0.00	33.96	0.00	19.46	51.90	341.92	22.70	19.46	6.79	0.00	0.00	
4	0.00	0.00	37.46	0.00	18.40	60.95	366.59	23.80	18.40	6.79	0.00	0.00	
5	0.00	0.00	43.39	0.00	17.35	70.59	376.14	21.62	17.35	6.18	0.00	0.00	
6	0.00	0.00	44.59	0.00	16.30	72.01	370.41	21.62	16.30	5.58	0.00	0.00	
7	0.00	0.00	42.20	0.00	17.35	66.45	357.07	20.54	15.27	4.41	0.00	0.00	
8	0.00	0.00	37.46	0.00	20.54	58.23	338.14	20.54	15.27	4.13	0.00	0.00	
9	0.00	0.00	28.25	0.00	22.70	59.57	298.90	19.46	14.24	4.13	0.00	0.00	
10	0.00	0.00	23.80	0.00	24.90	63.69	229.82	20.54	14.24	4.13	0.00	0.00	
11	0.00	0.00	20.54	0.00	30.52	60.95	97.77	20.54	14.24	3.84	0.00	0.00	
12	0.00	0.00	19.46	0.00	32.81	63.69	55.61	20.54	15.27	3.57	0.00	0.00	
13	0.00	0.00	17.35	0.00	29.38	66.45	47.01	18.40	15.27	3.29	0.00	0.00	
14	0.00	0.00	15.27	19.46	27.13	62.30	38.64	17.35	16.30	3.02	0.00	0.00	
15	0.00	0.00	15.27	23.80	27.13	62.30	42.20	16.30	15.27	2.75	0.00	0.00	
16	0.00	0.00	15.27	21.62	32.81	66.45	49.45	15.27	14.24	2.48	0.00	0.00	
17	0.00	0.00	16.30	19.46	31.66	89.06	49.45	15.27	13.23	2.48	0.00	0.00	
18	0.00	0.00	17.35	18.40	32.81	111.02	47.01	15.27	12.22	2.48	0.00	0.00	
19	0.00	0.00	15.27	18.40	32.81	125.36	43.39	15.27	12.22	2.48	0.00	0.00	
20	0.00	0.00	13.23	20.54	76.20	102.14	41.00	15.27	12.22	2.48	0.00	0.00	
21	0.00	0.00	11.23	23.80	222.71	66.45	37.46	14.24	12.22	2.22	0.00	0.00	
22	0.00	0.00	8.02	26.01	258.59	62.30	33.96	14.24	12.22	1.71	0.00	0.00	
23	0.00	0.00	5.58	26.01	273.15	70.59	28.25	14.24	12.22	1.22	0.00	0.00	
24	0.00	0.00	4.13	24.90	262.22	86.18	26.01	15.27	12.22	0.76	0.00	0.00	
25	0.00	0.00	3.29	22.70	240.55	111.02	23.80	16.30	11.23	0.44	0.00	0.00	
26	0.00	0.00	2.22	21.62	210.34	143.49	23.80	17.35	11.23	0.34	0.00	0.00	
27	0.00	0.00	1.58	20.54	165.36	165.36	30.52	18.40	11.23	0.34	0.00	0.00	
28	0.00	0.00	1.10	18.40	117.23	182.47	30.52	20.54	11.23	0.34	0.00	0.00	
29	0.00	0.00	0.65	18.40	74.81	240.55	29.38	28.25	11.23	0.24		0.00	
30	0.00	0.00	0.15	18.40	58.23	282.31	27.13	26.01	10.58	0.15		0.00	
31		0.00		21.62	47.01		26.01		10.58	0.07		0.00	
Total	0.00	0.00	537.73	384.08	2485.88	2822.73	4144.26	571.64	445.90	95.53	0.00	0.00	11487.75 Tonday
Mean	0.00	0.00	17.92	12.39	80.19	94.09	133.69	19.05	14.38	3.08	0.00	0.00	31.47 Ton/day
Max	0.00	0.00	44.59	26.01	273.15	282.31	376.14	28.25	24.90	9.29	0.00	0.00	376.14 Ton/day
Min	0.00	0.00	0.15	0.00	16.30	48.23	23.80	14.24	10.58	0.07	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Lam Chi at Ban Lum Din, Surin (M.159)**

Lat 15 - 08 - 28 N Long 103 - 25 - 45 E

Location : on right bank at Ban Lum Din.

	Ban	Lum Din	Amphoe	Chom Phra	Changwat	Surin
Drainge Area	4,765	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	2008-Cont'd					
Actual Measurement	2008-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	34					
R-Square	0.7382					
Remarks	Continued Sediment Station					

$$QS = 12.1730 QW^{0.74810}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	22.25	24.74	201.89	81.02	279.01	654.77	1664.02	123.77	28.92	17.79	23.58	23.72	
2	23.58	25.87	202.95	81.02	284.70	664.74	1691.76	112.75	29.60	19.52	24.02	23.58	
3	26.16	25.45	205.07	81.98	300.62	661.89	1753.62	106.23	28.92	21.36	23.87	23.43	
4	26.72	25.02	211.37	83.89	309.85	647.61	1841.71	100.83	28.10	22.25	23.72	23.58	
5	26.58	25.17	219.67	95.05	318.08	625.99	1915.15	95.05	28.24	21.96	23.58	22.99	
6	25.31	25.59	207.18	99.58	327.14	608.51	1941.62	89.16	27.97	21.51	23.29	21.51	
7	20.75	25.87	192.26	91.38	333.44	607.04	1908.52	85.78	27.28	20.90	22.99	19.68	
8	18.10	25.45	176.95	88.60	337.91	636.11	1848.43	82.74	25.87	20.14	22.40	18.42	
9	19.83	25.59	158.89	88.60	351.20	692.72	1760.45	79.47	24.30	20.14	22.11	19.05	
10	24.59	26.30	151.93	88.60	359.10	747.36	1677.91	75.77	23.43	19.52	21.96	19.98	
11	27.00	28.10	144.87	88.60	368.67	778.10	1572.93	73.79	22.85	19.21	22.25	20.60	
12	26.58	27.69	140.10	111.03	370.40	797.78	1453.92	71.59	22.25	19.37	22.55	21.21	
13	26.58	27.97	135.27	117.03	374.72	815.53	1392.71	67.95	21.05	19.21	22.99	21.51	
14	28.24	148.42	127.91	136.08	382.45	833.15	1323.21	64.03	19.83	19.05	23.87	21.36	
15	29.20	197.63	117.88	179.17	390.12	852.39	1258.30	59.82	18.90	19.52	24.16	21.51	
16	29.06	129.56	107.55	193.34	385.86	859.35	1199.38	55.72	17.30	19.83	24.16	21.66	
17	27.28	121.26	100.47	214.50	375.58	859.35	1139.47	50.85	15.32	20.45	23.87	21.36	
18	25.87	131.20	81.98	231.94	370.40	873.21	1058.90	45.34	14.64	21.05	23.72	21.36	
19	24.16	135.27	65.33	243.98	369.54	916.92	962.86	41.06	16.16	21.66	23.58	21.36	
20	23.58	153.10	44.17	248.95	379.88	954.91	875.81	38.12	16.65	22.40	23.43	21.36	
21	25.73	192.26	42.39	243.98	412.02	988.66	760.97	34.34	16.65	22.55	23.43	21.21	
22	25.87	229.91	82.94	243.98	443.88	1023.68	635.39	32.53	17.62	22.85	23.58	21.66	
23	23.87	259.75	108.42	242.99	457.91	1065.98	500.75	29.60	17.62	22.40	24.02	21.66	
24	24.16	276.15	108.42	241.99	468.61	1109.71	407.00	29.60	19.98	20.29	25.17	21.66	
25	25.45	288.47	110.16	254.86	482.92	1167.01	327.44	29.74	20.45	19.21	25.31	21.66	
26	26.16	293.16	104.03	273.28	509.06	1237.61	280.91	29.60	19.21	19.05	25.02	21.66	
27	26.44	288.47	103.15	290.35	534.75	1317.44	244.65	29.06	18.42	19.37	24.59	21.66	
28	24.59	277.10	108.42	295.03	546.17	1389.75	217.61	28.65	17.79	20.14	24.16	21.81	
29	23.87	256.82	102.26	284.70	573.77	1503.31	192.26	26.86	16.98	21.36		21.96	
30	24.02	233.96	87.66	272.32	601.17	1608.06	160.80	26.72	16.49	22.40		22.11	
31		210.32		271.36	628.89		136.08		17.14	23.29		22.11	
Total	751.58	4161.62	3951.54	5559.18	12627.82	27498.64	34104.54	1816.52	655.93	639.75	661.38	668.39	93096.89 Tonday
Mean	25.05	134.25	131.72	179.33	407.35	916.62	1100.15	60.55	21.16	20.64	23.62	21.56	255.06 Ton/day
Max	29.20	293.16	219.67	295.03	628.89	1608.06	1941.62	123.77	29.60	23.29	25.31	23.72	1941.62 Ton/day
Min	18.10	24.74	42.39	81.02	279.01	607.04	136.08	26.72	14.64	17.79	21.96	18.42	14.64 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Lam Dom Yai at Ban Kham Samran, Ubon Ratchathani (M.170)**

Lat 14 - 47 - 27 N Long 105 - 06 - 10 E

Location : on right bank at the bridge.

	Ban Kham Samran	Amphoe Det Udom	Changwat Ubon Ratchathani
Drainage Area	1,744 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2002-Cont'd		
Actual Measurement	2002-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	24		
R-Square	0.7948		
Remarks	Continued Sediment Station		

$$QS = 4.5522 QW^{1.04030}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.27	12.30	60.38	40.12	153.37	529.25	4946.35	65.89	58.81	19.26	10.83	8.39	
2	12.79	18.75	54.89	34.72	138.21	437.34	3760.33	56.46	54.89	18.75	11.32	7.91	
3	181.69	160.98	52.55	39.34	157.71	400.10	2809.60	82.50	48.65	18.25	11.81	7.42	
4	336.11	349.54	62.74	45.54	200.30	515.59	2283.21	81.71	44.76	17.76	12.79	7.42	
5	202.49	287.58	93.66	57.24	386.59	537.79	2065.50	80.12	43.21	14.77	13.78	6.94	
6	112.90	200.30	81.71	50.99	500.24	505.36	1888.15	78.54	27.83	7.91	15.27	6.94	
7	80.92	204.68	73.78	37.03	568.59	519.00	1716.20	76.95	35.49	5.50	14.77	6.94	
8	59.60	165.33	64.31	33.19	630.38	500.24	1520.00	75.36	37.80	4.55	14.27	6.46	
9	43.21	116.12	58.81	51.77	669.98	398.41	1314.75	74.57	37.03	4.46	12.30	6.46	
10	31.65	88.08	54.89	89.67	718.31	334.43	1150.61	72.99	33.19	4.46	10.34	6.46	
11	25.80	76.95	50.99	189.34	793.94	373.10	1074.44	71.41	28.34	14.27	13.78	5.98	
12	22.27	69.04	43.99	400.10	1118.36	484.91	1021.82	71.41	30.89	20.26	13.29	5.50	
13	19.26	61.17	41.66	508.77	1816.42	604.60	963.48	70.62	28.34	51.77	13.29	5.50	
14	17.26	54.89	41.66	546.34	1730.50	685.50	853.01	68.25	24.29	72.99	12.79	5.50	
15	15.27	47.09	40.89	556.61	1466.66	770.81	666.53	63.52	20.76	57.24	12.30	5.50	
16	15.76	51.77	36.26	490.02	1191.72	821.72	505.36	40.89	26.82	41.66	13.29	5.03	
17	19.26	98.46	40.89	334.43	1033.50	810.14	442.43	39.34	22.27	32.42	13.29	5.03	
18	20.26	180.59	48.65	280.91	861.72	796.25	378.16	62.74	15.76	27.83	12.30	5.03	
19	19.76	211.27	40.89	277.57	683.78	780.06	315.99	60.38	20.76	25.30	11.32	4.55	
20	17.76	245.99	36.26	236.05	602.89	768.50	262.60	57.24	22.27	23.28	10.83	4.55	
21	15.76	361.32	32.42	203.59	642.42	784.68	210.17	54.89	22.27	21.26	10.83	4.55	
22	14.27	327.72	33.19	201.39	702.76	824.03	182.78	44.76	22.27	19.76	10.83	4.55	
23	12.79	231.09	31.65	250.97	780.06	876.23	167.51	31.65	20.76	19.26	10.34	4.46	
24	12.30	175.14	30.89	224.48	908.18	943.09	156.63	46.32	23.28	17.76	10.34	4.46	
25	12.79	136.04	46.32	178.41	1036.42	978.05	149.03	62.74	22.77	16.26	9.85	4.46	
26	10.83	108.88	49.43	158.80	1077.36	998.47	138.21	76.16	20.76	15.27	9.36	4.46	
27	12.30	92.86	54.89	182.78	1059.81	1013.06	127.41	70.62	20.26	14.27	9.36	4.36	
28	16.76	80.92	50.99	216.22	1004.30	1100.78	120.95	64.31	20.26	13.29	8.88	4.36	
29	13.78	72.99	55.68	209.08	902.37	2395.39	116.12	58.81	19.76	12.30		4.36	
30	11.81	69.83	52.55	201.39	759.26	4856.98	107.27	54.89	19.76	11.81		4.27	
31		65.89		180.59	628.66		76.16		19.26	11.32		4.27	
Total	1391.68	4423.56	1517.87	6507.45	24924.77	26343.86	31490.76	1916.04	893.57	655.25	333.75	172.07	100570.63 Tonday
Mean	46.39	142.70	50.60	209.92	804.02	878.13	1015.83	63.87	28.82	21.14	11.92	5.55	275.54 Ton/day
Max	336.11	361.32	93.66	556.61	1816.42	4856.98	4946.35	82.50	58.81	72.99	15.27	8.39	4946.35 Ton/day
Min	4.27	12.30	30.89	33.19	138.21	334.43	76.16	31.65	15.76	4.46	8.88	4.27	4.27 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Lam Phra Phloeng at Ban Non Sao - E, Nakhon Ratchasima (M.171)**

Lat 14 - 30 - 05 N Long 101 - 46 - 07 E

Location : on right bank at Ban Non Sao - E.

	Ban	Non Sao - E	Amphoe	Wang Nam Khieo	Changwat	Nakhon Ratchasima
Drainage Area	561	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	2001-Cont'd					
Actual Measurement	2001-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	22					
R-Square	0.6233					
Remarks	Continued Sediment Station					

$$QS = 12.7920 QW^{1.32360}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	67.15	143.14	107.67	32.02	552.44	389.16	2160.83	107.67	107.67	25.82	5.80	0.53	
2	48.80	774.41	107.67	27.85	469.06	269.49	1123.16	125.10	107.67	25.82	5.80	0.53	
3	48.80	237.86	99.20	27.85	168.08	343.04	2425.69	113.41	86.83	25.82	5.80	0.53	
4	67.15	131.04	131.04	19.97	187.41	404.85	2160.83	113.41	86.83	25.82	25.82	0.53	
5	74.88	103.42	137.06	19.97	119.22	420.68	858.59	107.67	67.15	25.82	12.79	0.53	
6	48.80	86.83	107.67	12.79	103.42	298.39	665.59	103.42	67.15	23.83	38.52	0.53	
7	41.88	103.42	103.42	12.79	86.83	389.16	612.73	82.80	67.15	21.88	21.88	0.53	
8	32.02	137.06	95.03	12.79	86.83	1665.90	746.83	82.80	67.15	19.97	21.88	0.53	
9	32.02	113.41	86.83	12.79	125.10	2836.51	569.51	78.81	67.15	18.10	12.79	0.45	
10	27.85	143.14	82.80	12.79	217.33	746.83	2766.96	74.88	67.15	19.97	11.29	0.45	
11	25.82	107.67	82.80	12.79	131.04	586.70	1577.39	67.15	63.37	19.97	8.43	0.45	
12	27.85	90.91	143.14	12.79	107.67	830.30	665.59	70.99	59.64	19.97	7.09	0.45	
13	32.02	78.81	217.33	12.79	137.06	1361.46	452.79	70.99	48.80	19.97	9.84	0.45	
14	32.02	74.88	283.85	19.97	217.33	502.01	343.04	70.99	32.02	19.97	9.84	0.45	
15	32.02	155.48	125.10	12.79	485.47	586.70	269.49	82.80	32.02	19.97	16.28	0.45	
16	23.83	103.42	78.81	90.91	1533.59	358.25	258.84	95.03	32.02	12.79	19.97	0.38	
17	23.83	197.26	82.80	82.80	858.59	269.49	269.49	82.80	32.02	12.79	9.84	0.38	
18	168.08	569.51	90.91	38.52	404.85	502.01	237.86	74.88	32.02	12.79	9.84	0.38	
19	82.80	518.69	125.10	38.52	298.39	887.12	207.23	86.83	32.02	12.79	9.84	0.38	
20	55.97	283.85	103.42	373.63	207.23	404.85	187.41	86.83	32.02	12.79	9.84	0.38	
21	38.52	327.99	78.81	452.79	217.33	665.59	177.68	82.80	32.02	12.79	7.09	0.31	
22	168.08	612.73	86.83	283.85	227.54	420.68	161.75	82.80	32.02	11.29	5.80	0.31	
23	137.06	248.30	48.80	168.08	207.23	569.51	143.14	74.88	32.02	11.29	5.80	0.31	
24	78.81	155.48	107.67	131.04	197.26	373.63	137.06	639.02	32.02	9.84	5.80	0.31	
25	52.36	187.41	95.03	161.75	197.26	1153.60	131.04	358.25	29.92	9.84	5.80	0.24	
26	29.92	149.28	55.97	99.20	358.25	1938.27	119.22	237.86	29.92	9.84	5.80	0.24	
27	25.82	131.04	38.52	227.54	502.01	1319.22	119.22	155.48	25.82	9.84	0.53	0.24	
28	113.41	125.10	59.64	119.22	298.39	485.47	131.04	155.48	25.82	9.84	0.53	0.24	
29	168.08	119.22	74.88	177.68	343.04	11370.24	125.10	137.06	25.82	8.43		0.24	
30	107.67	143.14	45.31	343.04	612.73	5647.22	119.22	131.04	25.82	7.09		0.24	
31		99.20		313.10	830.30		113.41		25.82	5.80		21.88	
Total	1913.32	6453.10	3083.11	3364.41	10488.28	37996.33	20037.73	3833.93	1504.87	502.54	310.33	33.85	89521.80 Ton/day
Mean	63.78	208.16	102.77	108.53	338.33	1266.54	646.38	127.80	48.54	16.21	11.08	1.09	245.27 Ton/day
Max	168.08	774.41	283.85	452.79	1533.59	11370.24	2766.96	639.02	107.67	25.82	38.52	21.88	11370.24 Ton/day
Min	23.83	74.88	38.52	12.79	86.83	269.49	113.41	67.15	25.82	5.80	0.53	0.24	0.24 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Khlong Phai at Ban Non Sao - E, Nakhon Ratchasima (M.172)**

Lat 14 - 29 - 21 N Long 101 - 46 - 34 E

Location : on right bank at the bridge.

	Ban Non Sao - E	Amphoe Wang Nam Khieo	Changwat Nakhon Ratchasima
Drainage Area	143 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2001-Cont'd		
Actual Measurement	2001-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.8045		
Remarks	Continued Sediment Station		

$$QS = 10.8020 QW^{1.26380}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.18	6.88	4.50	4.27	82.58	40.58	193.29	13.60	15.05	0.59	0.59	0.59	
2	3.18	132.07	4.27	3.39	40.58	35.26	98.53	12.18	15.05	0.59	0.98	0.59	
3	3.39	30.10	3.72	2.87	35.26	35.26	308.86	10.80	12.18	0.59	0.98	0.59	
4	3.39	18.03	4.50	2.36	40.58	22.70	193.29	10.80	10.80	0.59	0.98	0.44	
5	2.87	13.60	4.27	1.87	27.59	40.58	93.15	9.46	9.46	0.59	1.69	0.44	
6	1.87	9.46	3.94	1.69	20.34	43.30	62.29	9.46	8.15	0.98	1.69	0.44	
7	0.98	5.66	3.39	1.69	16.53	93.15	52.61	9.46	6.88	1.24	1.69	0.25	
8	0.44	5.66	3.18	1.69	16.53	244.43	87.83	8.15	6.88	1.24	1.69	0.13	
9	0.25	4.50	2.66	1.87	32.66	276.25	62.29	8.15	9.46	1.41	1.69	0.13	
10	0.13	3.94	2.36	2.36	30.10	120.66	331.02	6.88	8.15	1.69	1.41	0.00	
11	0.13	3.94	2.16	2.16	22.70	93.15	223.67	6.88	6.88	1.69	1.41	0.00	
12	9.46	3.72	35.26	1.87	25.12	77.39	82.58	8.15	6.88	1.69	1.41	0.00	
13	3.72	3.39	22.70	2.16	37.90	62.29	52.61	5.66	5.66	1.69	1.41	0.00	
14	2.36	3.18	13.60	2.87	40.58	43.30	37.90	6.88	5.66	1.69	1.24	0.00	
15	1.24	3.39	5.66	2.36	126.34	35.26	32.66	8.15	4.27	1.69	1.24	0.00	
16	0.44	2.87	3.94	32.66	537.10	27.59	32.66	10.80	3.94	1.69	1.24	0.00	
17	1.24	35.26	3.18	25.12	149.56	25.12	35.26	10.80	3.94	1.41	1.24	0.00	
18	0.82	62.29	4.27	12.18	72.28	47.91	30.10	9.46	3.72	1.41	1.24	0.00	
19	3.39	43.30	120.66	12.18	47.91	331.02	25.12	13.60	3.72	1.41	1.24	0.00	
20	0.98	27.59	22.70	223.67	35.26	62.29	20.34	12.18	3.39	1.41	1.24	0.00	
21	0.82	52.61	16.53	200.80	32.66	599.54	22.70	10.80	3.39	1.41	0.98	0.00	
22	37.90	62.29	9.46	57.41	43.30	103.98	25.12	9.46	3.18	1.41	0.98	0.00	
23	12.18	27.59	9.46	40.58	32.66	171.14	22.70	8.15	3.18	1.41	0.98	0.00	
24	4.50	18.03	13.60	27.59	32.66	93.15	20.34	87.83	2.87	1.24	0.82	0.00	
25	3.72	13.60	18.03	32.66	37.90	72.28	18.03	87.83	2.87	1.24	0.82	0.00	
26	3.18	10.80	10.80	22.70	67.25	287.04	15.05	40.58	2.66	1.24	0.82	0.00	
27	2.66	6.88	6.88	30.10	67.25	149.56	15.05	25.12	3.39	0.98	0.59	0.00	
28	2.66	8.15	9.46	20.34	40.58	72.28	15.05	20.34	1.87	0.98	0.59	0.00	
29	13.60	10.80	9.46	52.61	57.41	4058.86	13.60	16.53	0.82	0.98		0.00	
30	12.18	6.88	5.66	40.58	109.48	647.28	12.18	15.05	0.82	0.98		0.00	
31		4.50		143.68	72.28		12.18		0.59	0.98		0.00	
Total	136.86	640.96	380.26	1010.34	2030.93	8012.60	2248.06	513.19	175.76	38.14	32.88	3.60	15223.58 Ton/day
Mean	4.56	20.68	12.68	32.59	65.51	267.09	72.52	17.11	5.67	1.23	1.17	0.12	41.71 Ton/day
Max	37.90	132.07	120.66	223.67	537.10	4058.86	331.02	87.83	15.05	1.69	1.69	0.59	4058.86 Ton/day
Min	0.13	2.87	2.16	1.69	16.53	22.70	12.18	5.66	0.59	0.59	0.59	0.00	0.00 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Mun River at Ban Non Sa - at, Nakhon Ratchasima (M.173)**

Lat 14 - 44 - 42 N Long 102 - 12 - 42 E

Location : on right bank at Ban Non Sa - at.

	Ban Non Sa - at	Amphoe Chok Chai	Changwat Nakhon Ratchasima
Drainage Area	4,222 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2019-Cont'd		
Actual Measurement	2019-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.8314		
Remarks	Continued Sediment Station		

$$QS = 10.9470 QW^{0.87920}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	55.06	175.03	53.91	47.43	269.62	171.08	947.72	177.66	225.40	61.94	70.36	56.76	
2	52.74	202.37	56.22	41.48	301.16	179.62	985.16	176.34	191.37	57.91	73.34	56.76	
3	87.25	236.79	60.20	35.40	324.36	199.79	1072.81	173.71	157.81	57.91	72.59	56.76	
4	150.45	265.77	63.61	32.93	326.77	210.08	1283.37	168.44	123.23	59.66	76.29	56.76	
5	180.93	281.23	71.11	37.28	304.21	206.23	1350.65	165.13	96.59	56.76	78.50	57.37	
6	185.51	295.78	82.16	37.85	268.87	206.87	1283.37	161.14	77.03	56.76	79.97	56.76	
7	179.62	304.21	73.34	36.06	243.91	211.37	1201.98	153.13	66.47	56.76	77.03	56.76	
8	172.40	301.89	62.47	35.40	245.48	227.94	1162.02	152.46	63.08	56.76	76.29	56.76	
9	168.44	301.16	55.60	36.63	242.34	279.69	1123.91	153.80	60.20	56.76	74.82	57.91	
10	153.80	301.89	52.12	35.40	232.88	318.61	1123.91	157.14	59.05	56.76	66.47	56.76	
11	137.61	294.25	49.24	39.06	204.94	375.19	1098.40	159.81	58.52	56.76	62.47	58.52	
12	129.42	271.16	46.88	45.06	163.13	428.87	1085.62	163.13	57.91	56.76	61.94	60.20	
13	132.16	247.05	46.88	45.06	144.39	459.25	1072.81	159.14	57.37	59.05	61.94	57.91	
14	112.12	220.31	48.61	44.51	116.31	459.25	1034.78	190.72	57.37	64.21	61.34	56.76	
15	98.01	185.51	51.58	43.32	98.01	451.18	997.60	215.21	57.37	61.94	61.94	56.76	
16	87.25	153.13	51.58	45.70	157.14	438.04	960.22	213.29	57.37	57.37	62.47	56.76	
17	83.62	180.93	48.61	47.43	217.12	410.50	898.53	189.42	59.66	57.37	60.80	56.76	
18	105.10	226.67	46.88	49.24	240.76	385.24	813.39	165.79	61.34	57.37	60.80	56.76	
19	115.61	296.58	45.06	55.06	235.22	344.81	682.48	142.36	60.20	57.91	62.47	56.76	
20	106.51	352.59	37.28	203.66	206.23	316.37	540.11	110.02	61.94	59.66	57.91	56.76	
21	90.85	395.14	28.59	336.41	197.85	295.05	413.60	83.62	56.76	61.34	56.76	56.76	
22	80.70	410.50	48.61	523.74	169.10	296.58	318.61	76.29	59.66	58.52	56.76	56.76	
23	79.97	370.15	52.74	598.28	136.93	313.34	259.55	66.47	62.47	56.76	56.76	56.76	
24	77.77	317.10	53.91	569.30	117.00	332.80	213.93	165.13	57.37	56.76	56.76	56.76	
25	79.97	272.71	51.58	547.43	105.10	400.25	189.42	354.38	57.37	56.76	56.76	59.05	
26	76.29	206.23	48.06	487.36	108.62	447.13	171.08	392.02	56.76	56.76	56.76	61.34	
27	77.77	144.39	43.87	395.14	119.78	514.68	165.13	334.01	56.76	56.76	56.76	64.21	
28	87.25	103.69	47.43	335.21	133.53	569.30	165.79	295.78	56.76	56.76	56.76	65.34	
29	127.37	71.11	51.58	307.26	137.61	682.48	166.45	258.74	56.76	56.76		69.62	
30	161.14	62.47	50.96	281.97	152.46	862.18	174.37	249.37	58.52	62.47		79.97	
31		56.22		257.18	165.79		175.69		60.20	65.87		85.80	
Total	3432.69	7504.01	1580.67	5633.24	6086.62	10993.77	23132.46	5623.65	2348.67	1811.90	1813.82	1855.68	71817.18 Ton/day
Mean	114.42	242.06	52.69	181.72	196.34	366.46	746.21	187.45	75.76	58.45	64.78	59.86	196.76 Ton/day
Max	185.51	410.50	82.16	598.28	326.77	862.18	1350.65	392.02	225.40	65.87	79.97	85.80	1350.65 Ton/day
Min	52.74	56.22	28.59	32.93	98.01	171.08	165.13	66.47	56.76	56.76	56.76	56.76	28.59 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Huai Khayung at Ban Non Si Khlai, Si Sa Ket (M.176)**

Lat 15 - 00 - 23 N Long 104 - 38 - 00 E

Location : on left bank at Ban Non Si Khlai.

	Ban Non Si Khlai	Amphoe Kanthararom	Changwat Si Sa Ket
Drainage Area	3,007 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2002-Cont'd		
Actual Measurement	2002-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	31		
R-Square	0.7127		
Remarks	Continued Sediment Station		

$$QS = 12.6560 QW^{0.84770}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	30.25	20.14	90.10	31.62	223.85	806.48	3003.61	185.90	48.83	43.37	43.88	40.01	
2	30.65	58.43	90.71	56.36	215.02	575.87	2892.80	167.25	51.68	43.37	43.74	39.78	
3	31.06	60.48	88.25	73.72	223.85	514.70	2728.17	148.04	53.09	43.37	43.74	39.63	
4	31.06	61.16	90.10	47.17	236.45	528.88	2613.52	134.88	53.79	43.00	43.51	39.25	
5	30.65	66.52	96.19	54.28	265.84	578.94	2508.17	126.49	53.93	43.00	43.37	39.02	
6	34.24	69.16	95.59	65.19	344.40	626.05	2326.44	116.81	54.28	43.00	43.14	38.64	
7	39.02	79.49	102.19	27.96	426.11	732.20	2152.06	109.85	54.28	43.00	43.00	38.49	
8	37.88	88.87	99.20	32.02	469.11	842.97	1992.00	102.78	54.49	42.77	43.00	38.11	
9	36.34	102.19	85.15	65.86	502.81	917.52	1863.86	94.98	54.63	42.77	42.77	37.72	
10	35.02	96.19	72.43	65.86	623.04	955.57	1726.93	87.63	54.98	42.77	42.63	37.72	
11	34.00	88.25	63.18	158.78	719.16	971.76	1624.01	84.08	55.32	43.14	42.63	37.49	
12	35.02	79.49	60.48	285.29	775.28	983.85	1543.70	82.52	55.53	43.74	42.40	37.34	
13	35.17	67.85	43.51	463.03	828.98	990.56	1448.65	80.94	55.32	44.62	42.40	37.34	
14	35.02	61.83	37.88	506.38	834.59	982.51	1369.61	79.36	54.49	44.47	42.03	36.57	
15	35.02	61.83	39.02	504.00	796.59	990.56	1268.67	77.77	53.44	44.47	42.25	36.73	
16	35.17	61.83	35.17	469.11	733.65	998.59	1195.14	76.17	51.82	44.47	42.25	36.57	
17	34.78	86.39	34.39	388.35	572.80	1001.26	1146.33	74.56	49.69	44.47	41.88	36.18	
18	35.02	138.20	34.39	367.84	515.89	1011.94	1115.89	72.95	48.47	44.47	41.88	36.18	
19	33.21	166.19	34.39	381.97	520.62	1071.79	1081.63	70.15	47.39	44.25	41.66	35.80	
20	32.02	166.19	32.02	378.13	535.94	1166.95	1039.82	66.19	46.66	44.25	41.51	35.80	
21	29.84	172.48	29.19	340.46	583.54	1245.97	1001.26	62.71	46.08	44.25	41.28	35.41	
22	28.62	176.64	31.62	315.20	621.53	1324.99	737.98	60.14	45.57	44.25	41.28	35.17	
23	26.96	154.51	34.78	323.23	664.87	1365.91	585.08	58.64	44.84	44.25	40.91	35.02	
24	25.03	130.99	33.61	363.96	717.71	1358.49	497.63	57.05	44.25	44.25	40.91	34.63	
25	24.00	116.81	30.82	363.96	792.34	1362.20	411.11	55.88	44.25	44.25	40.91	34.39	
26	24.00	107.51	27.96	344.40	862.45	1406.51	349.65	54.49	44.10	44.10	40.91	34.39	
27	23.31	106.92	26.29	341.78	898.34	1494.10	303.96	53.09	43.88	44.10	40.38	34.24	
28	21.92	113.35	28.78	347.03	914.78	1676.46	276.54	51.47	43.74	44.10	40.16	33.84	
29	21.30	106.92	31.62	358.77	929.79	2178.44	246.98	50.40	43.51	44.10		33.61	
30	20.68	93.16	33.21	301.70	932.51	2728.17	220.92	46.81	43.37	44.10		33.21	
31		86.39		249.83	909.31		209.08		43.37	44.10		33.05	
Total	926.26	3046.36	1632.22	8073.24	19191.15	33390.19	41481.20	2589.98	1539.07	1358.62	1180.41	1131.33	115540.03 Tonday
Mean	30.88	98.27	54.41	260.43	619.07	1113.01	1338.10	86.33	49.65	43.83	42.16	36.49	316.55 Ton/day
Max	39.02	176.64	102.19	506.38	932.51	2728.17	3003.61	185.90	55.53	44.62	43.88	40.01	3003.61 Ton/day
Min	20.68	20.14	26.29	27.96	215.02	514.70	209.08	46.81	43.37	42.77	40.16	33.05	20.14 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Lam Sa Bai at Ban Pa Kor, Ubon Ratchathani (M.179A)**

Lat 15 - 30 - 11 N Long 104 - 35 - 44 E

Location : on right bank at the bridge.

	Ban Pa Kor	Amphoe Khueang Nai	Changwat Ubon Ratchathani
Drainage Area	3,551 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2013-Cont'd		
Actual Measurement	2013-Cont'd		
Using Rating Curve Water Year	2013-2022		
Number of observation	270		
R-Square	0.8271		
Remarks	Continued Sediment Station		

$$QS = 3.1094 QW^{1.03940}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	93.76	1.83	46.15	734.41	1221.33	76.17	28.05	0.00	0.00	0.00	
2	0.00	0.00	91.92	0.89	29.11	692.71	1261.48	59.10	24.55	0.00	0.00	0.00	
3	0.00	0.00	82.38	0.28	27.70	653.09	1350.47	50.10	23.36	0.00	0.00	0.00	
4	0.00	0.00	76.54	0.00	49.02	605.66	1484.98	43.86	23.67	0.00	0.00	0.00	
5	0.00	0.00	108.51	0.00	78.00	552.47	1599.48	40.22	23.36	0.00	0.00	0.00	
6	0.00	0.00	110.36	0.00	78.00	491.63	1673.25	37.45	21.83	0.00	0.00	0.00	
7	0.00	0.00	85.31	0.00	95.60	429.14	1721.27	34.47	22.11	0.00	0.00	0.00	
8	0.00	0.00	141.96	0.00	62.72	380.55	1743.45	32.10	22.80	0.00	0.00	0.00	
9	0.00	0.00	215.43	1.20	78.00	370.86	1732.89	29.81	23.22	0.00	0.00	0.00	
10	0.00	200.27	224.92	1.83	153.19	303.32	1697.33	27.70	23.67	0.00	0.00	0.00	
11	0.00	207.84	166.32	2.47	168.20	247.77	1626.23	25.77	24.20	0.00	0.00	0.00	
12	0.00	205.95	156.94	22.80	166.32	245.87	1541.09	24.72	24.55	0.00	0.00	0.00	
13	0.00	207.84	121.48	71.43	224.92	270.70	1429.90	23.50	24.72	0.00	0.00	0.00	
14	0.00	209.74	110.36	117.77	240.15	303.32	1283.40	22.11	0.00	0.00	0.00	0.00	
15	0.00	207.84	75.08	85.31	230.63	334.13	1177.59	20.99	0.00	0.00	0.00	0.00	
16	0.00	198.38	51.17	83.85	276.45	359.25	1047.54	20.72	0.00	0.00	0.00	0.00	
17	0.00	188.93	36.88	88.25	312.93	349.58	926.92	20.58	0.00	0.00	0.00	0.00	
18	0.00	187.04	34.75	91.92	337.99	353.45	811.69	20.44	0.00	0.00	0.00	0.00	
19	0.00	183.26	32.63	130.77	330.27	370.86	674.87	19.88	0.00	0.00	0.00	0.00	
20	0.00	168.20	30.52	187.04	359.25	407.73	544.60	19.33	0.00	0.00	0.00	0.00	
21	0.00	168.20	27.70	213.53	458.39	450.59	452.93	18.77	0.00	0.00	0.00	0.00	
22	0.00	168.20	24.90	194.59	501.43	493.59	369.70	18.22	0.00	0.00	0.00	0.00	
23	0.00	171.96	22.11	138.23	530.85	556.40	304.08	18.22	0.00	0.00	0.00	0.00	
24	0.00	160.69	18.64	104.81	542.64	585.93	261.14	18.77	0.00	0.00	0.00	0.00	
25	0.00	128.91	15.88	99.28	599.74	580.02	215.81	19.61	0.00	0.00	0.00	0.00	
26	0.00	114.06	13.14	110.36	700.65	623.43	176.10	20.58	0.00	0.00	0.00	0.00	
27	0.00	102.97	11.09	83.85	798.92	680.82	149.07	21.69	0.00	0.00	0.00	0.00	
28	0.00	99.28	8.39	106.66	832.45	806.10	128.17	22.38	0.00	0.00	0.00	0.00	
29	0.00	99.28	5.73	99.28	839.65	1138.76	113.69	23.36	0.00	0.00		0.00	
30	0.00	93.76	3.11	86.78	818.08	1197.02	100.38	26.47	0.00	0.00		0.00	
31		93.76		90.08	779.79		90.45		0.00	0.00		0.00	
Total	0.00	3566.36	2197.91	2215.09	10747.19	15569.16	28911.28	857.09	310.09	0.00	0.00	0.00	64374.17 Tonday
Mean	0.00	115.04	73.26	71.45	346.68	518.97	932.62	28.57	10.00	0.00	0.00	0.00	176.37 Ton/day
Max	0.00	209.74	224.92	213.53	839.65	1197.02	1743.45	76.17	28.05	0.00	0.00	0.00	1743.45 Ton/day
Min	0.00	0.00	3.11	0.00	27.70	245.87	90.45	18.22	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Huai Hin Lap at Ban Khlong Hin Lap, Nakhon Ratchasima (M.183B)**

Lat 14 - 43 - 43 N Long 101 - 33 - 51 E

Location : on left bank at the bridge on highway.

	Ban Khlong Hin Lap	Amphoe Pak Chong	Changwat Nakhon Ratchasima
Drainage Area	234 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2021-Cont'd		
Actual Measurement	2021-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	23		
R-Square	0.9656		
Remarks	Continued Sediment Station		

$$QS = 10.5840 QW^{1.50920}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.14	8.43	4.65	3.72	209.97	25.70	367.98	26.57	31.04	9.03	6.72	5.91	
2	6.99	704.73	5.65	3.50	217.90	14.64	352.23	28.33	34.79	9.03	6.72	5.40	
3	7.27	82.54	6.18	3.50	79.37	55.55	536.51	27.44	37.69	9.03	6.72	5.40	
4	8.14	31.96	5.40	3.28	99.03	30.13	528.12	28.33	37.69	8.73	9.03	5.40	
5	6.99	17.59	5.14	3.28	32.90	28.33	150.25	26.57	25.70	8.73	13.24	5.40	
6	6.45	12.56	4.65	3.07	16.83	18.35	194.42	27.44	25.70	8.73	11.89	5.40	
7	5.65	11.89	4.41	3.07	23.16	13.24	137.92	29.22	23.16	8.73	9.95	5.40	
8	5.14	10.58	4.41	3.07	17.59	347.03	579.11	24.84	16.09	8.73	9.95	5.40	
9	4.90	9.95	3.94	3.07	45.81	2885.76	229.98	21.51	16.83	8.14	9.95	5.40	
10	4.65	36.72	3.72	3.28	46.86	125.94	2270.28	20.71	16.83	8.14	9.95	5.40	
11	4.65	9.33	3.50	3.28	26.57	70.11	311.38	20.71	15.36	7.84	10.58	4.90	
12	4.41	8.43	3.50	3.50	13.94	259.00	134.89	21.51	13.94	7.56	10.27	4.90	
13	4.41	7.27	3.50	3.94	22.33	900.63	93.98	20.71	13.24	7.56	9.33	4.90	
14	4.18	5.91	3.50	5.14	36.72	82.54	77.80	23.16	10.58	7.56	7.56	4.90	
15	4.41	6.18	5.40	4.65	23.99	84.15	68.60	27.44	10.27	7.56	7.56	4.90	
16	4.18	10.58	5.65	4.41	1419.09	43.73	67.11	27.44	10.58	7.56	8.43	5.40	
17	6.45	150.25	4.65	4.65	100.73	30.13	71.62	23.16	10.58	7.56	7.56	6.18	
18	61.24	352.23	6.45	4.18	35.75	27.44	62.69	18.35	10.58	7.56	7.56	6.18	
19	29.22	296.51	4.90	3.94	16.83	41.68	50.06	19.13	10.58	7.27	7.56	5.91	
20	9.03	55.55	4.18	9.64	11.23	27.44	43.73	19.13	10.58	7.27	6.99	4.90	
21	10.58	23.99	3.72	85.76	11.23	22.33	41.68	18.35	10.58	7.27	6.99	4.90	
22	112.92	19.91	3.72	186.79	9.95	19.91	33.84	17.59	9.95	7.27	6.45	4.90	
23	53.33	11.89	3.50	341.86	9.64	20.71	39.67	27.44	9.95	7.27	6.45	4.90	
24	10.27	11.89	8.43	120.10	9.64	84.15	38.68	89.02	9.95	7.27	6.18	4.90	
25	6.45	97.33	11.23	51.14	11.89	316.40	37.69	183.02	9.64	7.27	6.18	4.90	
26	5.14	23.99	5.14	42.70	22.33	1241.27	35.75	111.15	9.64	6.99	6.18	4.90	
27	4.90	9.64	4.90	1158.53	100.73	486.86	37.69	67.11	9.64	6.99	5.91	5.65	
28	7.84	7.56	4.65	85.76	112.92	134.89	38.68	65.62	9.33	6.99	5.91	6.45	
29	7.56	6.18	4.65	62.69	76.24	6074.21	31.96	68.60	9.03	6.72		5.91	
30	6.72	5.65	3.94	120.10	70.11	3579.92	27.44	38.68	9.03	6.99		5.91	
31		5.14		32.90	59.80		24.84		9.03	6.99		5.65	
Total	422.21	2052.36	147.26	2368.50	2991.08	17092.17	6716.58	1168.28	487.58	240.34	227.77	166.55	34080.68 Tonday
Mean	14.07	66.21	4.91	76.40	96.49	569.74	216.66	38.94	15.73	7.75	8.13	5.37	93.37 Ton/day
Max	112.92	704.73	11.23	1158.53	1419.09	6074.21	2270.28	183.02	37.69	9.03	13.24	6.45	6074.21 Ton/day
Min	4.18	5.14	3.50	3.07	9.64	13.24	24.84	17.59	9.03	6.72	5.91	4.90	3.07 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Mun River at Ban Cum, Nakhon Ratchasima (M.184)**

Lat 15 - 13 - 12 N Long 102 - 25 - 42 E

Location : on right at the bridge on highway.

	Ban Cum	Amphoe Phimai	Changwat	Nakhon Ratchasima
Drainage Area	11,476 sq.km.			
Method of sampling	Depth Integrating			
Instrument Used	US.D-49			
Period of Available Records	2008-Cont'd			
Actual Measurement	2008-Cont'd			
Using Rating Curve Water Year	2022			
Number of observation	20			
R-Square	0.9379			
Remarks	Continued Sediment Station			

$$QS = 4.8868 QW^{1.05010}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	104.64	168.98	500.99	81.02	657.57	305.99	981.80	587.09	509.96	54.84	43.39	34.32	
2	89.84	190.92	319.13	81.02	634.90	323.52	1001.64	536.89	505.47	45.67	57.15	34.32	
3	95.75	212.98	258.04	75.74	624.55	354.30	1021.49	487.56	465.21	38.84	66.42	30.95	
4	129.11	227.75	238.86	54.84	616.79	389.63	1034.74	425.12	416.23	38.84	61.77	28.72	
5	176.27	246.28	235.15	41.11	619.37	398.49	1041.37	394.06	363.12	36.58	54.84	25.37	
6	212.98	262.39	253.71	32.07	629.72	416.23	1054.63	394.06	279.79	36.58	54.84	25.37	
7	227.75	284.15	279.79	29.83	639.43	438.47	1074.53	367.53	227.75	30.95	61.77	27.60	
8	227.75	301.62	275.43	29.83	648.50	474.15	1103.75	327.91	154.42	29.83	68.74	27.60	
9	246.28	332.30	238.86	29.83	648.50	514.44	1151.65	310.37	129.11	30.95	75.74	27.60	
10	238.86	341.09	183.59	47.95	639.43	563.89	1207.66	301.62	129.11	32.07	68.74	25.37	
11	231.45	349.89	158.05	50.25	621.96	580.64	1265.12	284.15	121.92	32.07	64.09	22.05	
12	216.67	358.71	139.93	57.15	607.10	601.28	1317.35	284.15	104.64	30.95	66.42	22.05	
13	183.59	367.53	107.61	95.75	599.35	614.20	1326.06	284.15	86.89	30.95	64.09	23.16	
14	179.93	367.53	81.02	143.55	583.22	690.68	1299.93	284.15	81.02	36.58	54.84	28.72	
15	190.92	358.71	52.54	129.11	559.39	742.76	1273.82	284.15	73.41	38.84	52.54	30.95	
16	179.93	336.69	64.09	114.76	492.04	774.10	1239.71	301.62	71.07	45.67	47.95	29.83	
17	168.98	332.30	89.84	104.64	451.83	795.02	1199.65	332.30	64.09	45.67	50.25	26.49	
18	165.33	376.36	101.67	95.75	429.57	815.97	1167.64	341.09	47.95	47.95	52.54	26.49	
19	172.62	416.23	107.61	111.18	434.02	815.97	1119.71	341.09	45.67	45.67	52.54	27.60	
20	187.25	483.09	98.70	125.52	456.29	836.95	1095.78	336.69	57.15	36.58	50.25	25.37	
21	205.61	550.39	89.84	183.59	478.62	848.76	1074.53	314.75	64.09	32.07	50.25	25.37	
22	201.93	575.49	81.02	284.15	487.56	842.85	1054.63	275.43	61.77	32.07	47.95	23.16	
23	190.92	591.60	73.41	358.71	460.75	836.95	1034.74	209.29	54.84	38.84	43.39	23.16	
24	179.93	611.62	81.02	438.47	420.68	831.70	1008.26	201.93	68.74	45.67	36.58	25.37	
25	172.62	632.31	83.95	550.39	451.83	836.95	981.80	212.98	71.07	38.84	32.07	23.16	
26	158.05	657.57	78.09	587.09	407.36	836.95	937.57	262.39	59.46	29.83	32.07	25.37	
27	147.17	685.48	83.95	605.16	354.30	842.85	878.31	336.69	59.46	26.49	34.32	28.72	
28	139.93	695.88	92.79	624.55	327.91	854.66	815.97	402.92	59.46	23.16	34.32	34.32	
29	139.93	695.88	95.75	643.96	297.24	925.71	768.87	465.21	52.54	26.49		38.84	
30	158.05	675.74	92.79	662.11	279.79	961.99	695.88	500.99	52.54	36.58		41.11	
31		616.79		662.11	292.88		634.90		54.84	38.84		43.39	
Total	5320.04	13304.25	4637.22	7131.19	15852.45	20066.05	32863.49	10388.33	4592.79	1134.96	1479.86	881.90	117652.53 Tonday
Mean	177.33	429.17	154.57	230.04	511.37	668.87	1060.11	346.28	148.15	36.61	52.85	28.45	322.34 Ton/day
Max	246.28	695.88	500.99	662.11	657.57	961.99	1326.06	587.09	509.96	54.84	75.74	43.39	1326.06 Ton/day
Min	89.84	168.98	52.54	29.83	279.79	305.99	634.90	201.93	45.67	23.16	32.07	22.05	22.05 Ton/day

WATER YEAR : 2022**MUN RIVER BASIN****Huai Samran at Ban Khwaw, Si Sa Ket (M.190)**

Lat 15 - 00 - 38 N Long 104 - 07 - 42 E

Location : on right at the bridge on highway.

	Ban Khwaw	Amphoe Uthumphon Phisa	Changwat Si Sa Ket
Drainage Area	2,371 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2011-Cont'd		
Actual Measurement	2011-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.9739		
Remarks	Continued Sediment Station		

$$QS = 8.0983 QW^{1.00880}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	49.36	17.94	56.01	379.37	2667.96	181.40	124.40	0.00	0.00	0.00	
2	0.00	0.00	47.70	16.30	56.01	360.79	2598.36	166.29	111.86	0.00	0.00	0.00	
3	0.00	0.00	46.04	16.30	59.33	331.24	2528.78	149.52	103.50	0.00	0.00	0.00	
4	0.00	0.00	49.36	15.88	52.68	351.50	2495.28	136.96	90.98	0.00	0.00	0.00	
5	0.00	0.00	46.04	15.88	49.36	344.75	2461.79	120.22	82.64	0.00	0.00	0.00	
6	0.00	0.00	46.04	19.59	46.04	351.50	2417.14	107.68	75.97	0.00	0.00	0.00	
7	0.00	0.00	41.07	17.94	56.01	444.47	2375.93	90.98	65.98	0.00	0.00	0.00	
8	0.00	0.00	39.41	17.94	90.98	630.89	2355.33	86.81	56.01	0.00	0.00	0.00	
9	0.00	0.00	37.76	19.59	82.64	593.56	2324.43	72.64	49.36	0.00	0.00	0.00	
10	0.00	0.00	36.10	19.59	103.50	257.07	2276.37	72.64	46.04	0.00	0.00	0.00	
11	0.00	2.81	32.79	26.18	111.86	304.25	2200.86	65.98	42.73	0.00	0.00	0.00	
12	0.00	5.65	31.14	32.79	136.96	338.00	2097.08	56.01	37.76	0.00	0.00	0.00	
13	0.00	9.32	29.48	62.66	124.40	435.17	2012.20	47.70	32.79	0.00	0.00	0.00	
14	0.00	13.42	27.83	59.33	107.68	528.29	1921.35	39.41	22.88	0.00	0.00	0.00	
15	0.00	21.23	26.18	62.66	95.15	817.80	1836.53	32.79	15.47	0.00	0.00	0.00	
16	0.00	36.10	24.53	69.31	79.31	962.50	1751.75	46.04	13.01	0.00	0.00	0.00	
17	0.00	42.73	24.53	111.86	90.98	988.05	1622.51	62.66	10.55	0.00	0.00	0.00	
18	0.00	46.04	24.53	120.22	136.96	1103.12	1503.62	72.64	7.69	0.00	0.00	0.00	
19	0.00	52.68	24.53	153.72	157.91	1124.44	1350.64	86.81	5.24	0.00	0.00	0.00	
20	0.00	62.66	24.53	191.47	171.33	1192.69	1154.29	103.50	2.81	0.00	0.00	0.00	
21	0.00	69.31	22.88	201.55	201.55	1269.51	855.23	116.04	0.79	0.00	0.00	0.00	
22	0.00	82.64	22.88	223.41	211.64	1452.33	243.60	116.04	0.00	0.00	0.00	0.00	
23	0.00	82.64	22.88	223.41	206.59	1929.06	75.97	107.68	0.00	0.00	0.00	0.00	
24	0.00	79.31	22.88	201.55	211.64	2334.73	37.76	107.68	0.00	0.00	0.00	0.00	
25	0.00	72.64	21.23	181.40	236.87	2484.12	8.10	116.04	0.00	0.00	0.00	0.00	
26	0.00	72.64	21.23	157.91	331.24	2551.97	36.10	120.22	0.00	0.00	0.00	0.00	
27	0.00	69.31	19.59	132.77	360.79	2598.36	360.79	128.59	0.00	0.00	0.00	0.00	
28	0.00	62.66	19.59	120.22	360.79	2563.57	324.49	124.40	0.00	0.00	0.00	0.00	
29	0.00	56.01	17.94	99.33	360.79	2691.16	270.54	132.77	0.00	0.00		0.00	
30	0.00	52.68	21.23	65.98	351.50	2702.76	230.14	141.15	0.00	0.00		0.00	
31		49.36		52.68	370.08		201.55		0.00	0.00		0.00	
Total	0.00	1041.84	921.28	2727.36	5068.58	34417.02	44596.47	3009.29	998.46	0.00	0.00	0.00	92780.30 Tonday
Mean	0.00	33.61	30.71	87.98	163.50	1147.23	1438.60	100.31	32.21	0.00	0.00	0.00	254.19 Ton/day
Max	0.00	82.64	49.36	223.41	370.08	2702.76	2667.96	181.40	124.40	0.00	0.00	0.00	2702.76 Ton/day
Min	0.00	0.00	17.94	15.88	46.04	257.07	8.10	32.79	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Ping River at Nawarat Bridge , Chiang Mai (P.1)**

Lat 18 - 47 - 13 N Long 99 - 00 - 17 E

Location : on left bank about 100 meters downstream from Nawarat Bridge.

	Ban Nawarat Bridge	Amphoe Mueang	Changwat Chiang Mai
Drainage Area	6,287 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1993-Cont'd		
Actual Measurement	1993-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	42		
R-Square	0.8932		
Remarks	Continued Sediment Station		

$$QS = 0.1938 QW^{1.97750}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.20	20.27	496.93	148.63	711.77	3181.48	4491.78	662.76	271.45	414.34	20.27	0.26	
2	1.23	20.27	205.50	388.46	814.97	2931.00	17580.73	925.06	237.34	615.48	5.54	0.05	
3	15.94	28.38	315.77	441.05	615.48	2551.36	50163.52	569.93	414.34	98.18	3.08	10.12	
4	28.38	31.39	175.93	388.46	711.77	1845.31	50500.10	569.93	414.34	41.84	9.88	414.34	
5	15.94	28.38	135.83	339.17	496.93	1415.51	23474.82	814.97	339.17	0.96	12.13	135.83	
6	20.27	615.48	205.50	271.45	1284.76	1042.05	11211.10	526.11	615.48	3.08	1.54	92.28	
7	22.82	982.70	254.11	982.70	2737.93	1695.80	6819.73	615.48	615.48	25.53	0.43	569.93	
8	34.54	662.76	339.17	615.48	2882.12	925.06	5611.27	496.93	104.27	7.04	17.33	441.05	
9	37.85	569.93	75.65	662.76	4966.42	1845.31	4692.31	441.05	98.18	5.54	4.22	315.77	
10	31.39	814.97	468.58	414.34	6644.74	3916.17	4558.14	441.05	237.34	10.97	0.84	569.93	
11	28.38	982.70	363.40	569.93	6217.12	5611.27	5319.87	441.05	75.65	18.77	1.54	363.40	
12	28.38	615.48	254.11	414.34	5611.27	11341.37	4624.98	339.17	135.83	25.53	0.52	388.46	
13	7.85	271.45	293.19	205.50	10824.74	13813.42	3554.11	496.93	205.50	34.54	8.83	254.11	
14	13.34	254.11	414.34	175.93	18634.32	14690.91	3232.80	388.46	388.46	18.77	6.27	221.14	
15	25.53	388.46	315.77	526.11	6301.52	14395.45	3613.25	293.19	762.50	34.54	0.11	175.93	
16	28.38	468.58	526.11	339.17	4167.18	9465.43	3130.57	496.93	496.93	1.70	0.26	16.63	
17	25.53	339.17	116.98	271.45	4103.70	7086.42	2785.58	468.58	110.53	0.84	34.54	190.43	
18	22.82	814.97	569.93	221.14	3916.17	6644.74	2551.36	814.97	388.46	0.96	48.65	711.77	
19	2.58	569.93	205.50	254.11	3336.64	6386.48	2001.07	925.06	388.46	0.32	9.88	315.77	
20	20.27	814.97	175.93	190.43	2597.39	5392.00	1552.53	762.50	339.17	2.12	20.27	569.93	
21	15.94	3232.80	468.58	293.19	1695.80	5392.00	982.70	388.46	98.18	25.53	20.27	339.17	
22	31.39	6139.71	526.11	468.58	1845.31	5910.36	925.06	814.97	388.46	25.53	7.04	339.17	
23	25.53	4360.49	441.05	1552.53	2597.39	5910.36	1160.27	615.48	110.53	2.58	5.54	339.17	
24	13.34	2690.67	315.77	2505.73	2980.28	6558.09	1415.51	814.97	65.48	12.13	2.12	293.19	
25	20.27	869.15	293.19	1415.51	3181.48	10697.44	814.97	441.05	339.17	1.23	4.86	116.98	
26	34.54	569.93	363.40	569.93	3554.11	10445.08	662.76	526.11	414.34	10.97	3.08	569.93	
27	15.94	441.05	135.83	363.40	4558.14	11472.39	662.76	293.19	86.56	8.83	0.84	339.17	
28	15.94	271.45	221.14	271.45	6217.12	7982.59	1042.05	569.93	441.05	10.97	0.36	569.93	
29	17.33	162.00	221.14	175.93	6644.74	5611.27	1552.53	363.40	315.77	22.82		237.34	
30	22.82	135.83	205.50	293.19	4167.18	4558.14	982.70	339.17	414.34	22.82		271.45	
31		363.40		468.58	3495.46		1042.05		110.53	0.29		711.77	
Total	624.66	28530.83	9099.94	16198.63	128513.95	190714.26	222712.98	16656.84	9423.29	1504.75	250.24	9884.40	634114.77 Tonday
Mean	20.82	920.35	303.33	522.54	4145.61	6357.14	7184.29	555.23	303.98	48.54	8.94	318.85	1737.30 Ton/day
Max	37.85	6139.71	569.93	2505.73	18634.32	14690.91	50500.10	925.06	762.50	615.48	48.65	711.77	50500.10 Ton/day
Min	0.20	20.27	75.65	148.63	496.93	925.06	662.76	293.19	65.48	0.29	0.11	0.05	0.05 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Taeng at Ban Mae Taeng , Chiang Mai (P.4A)**

Lat 19 - 07 - 20 N Long 98 - 56 - 40 E

Location : on right bank at the bridge of Chiang Mai from Fang Highway.

	Ban Mae Taeng	Amphoe Mae Taeng	Changwat Chiang Mai
Drainge Area	1,918 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1992-Cont'd		
Actual Measurement	1992-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	30		
R-Square	0.8888		
Remarks	Continued Sediment Station		

$$QS = 3.1664 QW^{1.57190}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.10	0.13	298.71	282.22	40.25	143.19	1763.87	282.22	132.19	1.07	1.42	0.78	
2	0.10	0.14	298.71	282.22	73.61	185.65	10228.54	282.22	137.65	1.07	1.42	0.78	
3	0.16	0.16	219.76	227.25	23.30	154.91	11784.43	282.22	32.63	1.07	1.42	0.78	
4	0.14	0.13	166.96	23.30	42.91	132.19	4760.73	274.10	28.43	1.07	1.42	0.78	
5	0.11	0.11	132.19	0.87	192.03	132.19	2451.14	250.28	26.68	1.07	1.42	0.78	
6	0.10	0.23	91.52	2.01	682.28	121.52	1511.19	234.84	30.22	1.07	1.61	0.78	
7	0.10	0.23	91.52	10.16	1511.19	14.22	950.33	242.51	26.68	1.07	1.61	0.69	
8	0.10	0.53	91.52	154.91	2787.65	17.06	723.85	205.04	23.30	1.07	1.61	0.61	
9	0.11	80.60	91.52	511.47	3356.67	106.13	542.19	205.04	20.10	1.07	1.61	0.61	
10	0.16	442.38	84.18	315.53	3465.89	315.53	521.64	205.04	21.68	1.24	1.61	0.61	
11	0.16	950.33	66.84	552.57	3016.80	723.85	682.28	205.04	21.68	2.23	1.61	0.61	
12	0.16	999.56	87.82	42.91	3252.46	1834.90	423.32	185.65	21.68	2.23	1.42	0.53	
13	0.16	552.57	70.20	10.94	6226.39	2569.72	307.08	160.89	13.37	1.81	1.07	0.61	
14	0.14	332.69	60.32	377.01	2305.54	2248.32	307.08	173.11	3.47	1.81	1.07	0.61	
15	0.10	274.10	70.20	341.39	1100.70	2599.39	521.64	192.03	3.17	2.01	1.07	0.61	
16	0.08	219.76	80.60	111.18	737.91	1740.09	219.76	198.50	3.17	2.23	1.07	0.61	
17	0.11	116.31	54.19	30.22	1210.97	1379.57	192.03	198.50	2.92	2.01	1.24	0.61	
18	0.16	160.89	3.17	4.44	1152.59	918.01	266.07	219.76	2.92	2.01	8.68	0.61	
19	0.18	266.07	2.92	5.86	1049.68	809.65	481.42	192.03	2.92	1.61	6.63	0.69	
20	0.61	491.36	1.24	2.92	1066.59	780.67	423.32	185.65	3.78	1.42	6.63	0.78	
21	0.18	2277.14	1.07	6.63	601.85	886.11	367.99	205.04	3.17	1.07	6.24	0.87	
22	0.25	7017.73	1.07	132.19	234.84	854.61	350.18	179.34	2.01	1.07	2.23	0.78	
23	0.21	2917.79	1.07	542.19	350.18	563.02	324.07	198.50	1.81	1.07	2.01	0.61	
24	0.14	1336.67	1.07	377.01	282.22	641.60	290.42	192.03	1.42	1.07	1.61	0.61	
25	0.13	615.00	1.07	219.76	298.71	902.01	227.25	185.65	1.42	1.07	1.61	0.69	
26	0.16	983.05	1.07	51.28	413.90	966.64	192.03	173.11	1.07	1.07	1.61	0.69	
27	0.14	471.55	0.97	26.68	2950.66	902.01	234.84	154.91	1.07	1.07	1.61	0.69	
28	0.11	341.39	0.21	12.54	1693.38	588.80	198.50	143.19	1.07	1.42	1.24	0.78	
29	0.11	274.10	0.87	6.63	552.57	542.19	185.65	143.19	1.07	1.42		0.78	
30	0.14	234.84	6.24	6.63	274.10	824.29	219.76	143.19	1.07	1.42		0.61	
31		234.84		10.94	132.19		234.84		1.07	1.42		0.61	
Total	4.61	21592.38	2078.80	4681.86	41080.01	24598.04	41887.44	6092.82	574.89	43.41	63.80	21.19	142719.25 Tonday
Mean	0.15	696.53	69.29	151.03	1325.16	819.93	1351.21	203.09	18.54	1.40	2.28	0.68	391.01 Ton/day
Max	0.61	7017.73	298.71	552.57	6226.39	2599.39	11784.43	282.22	137.65	2.23	8.68	0.87	11784.43 Ton/day
Min	0.08	0.11	0.21	0.87	23.30	14.22	185.65	143.19	1.07	1.07	1.07	0.53	0.08 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Kuang at Tha Nang Bridge , Lamphun (P.5)**

Lat 18 - 34 - 49 N Long 99 - 00 - 37 E

Location : on right bank at the bridge of Chiang Mai from Fang Highway.

	Ban Tha Nang	Amphoe Mueang	Changwat Lamphun
Drainage Area	1,515 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1992-Cont'd		
Actual Measurement	1992-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	30		
R-Square	0.8500		
Remarks	Continued Sediment Station		

$$QS = 0.9051 QW^{1.51470}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.30	5.47	37.36	6.70	59.48	59.48	685.24	25.24	5.47	4.07	4.95	12.97	
2	6.38	0.73	25.24	8.13	73.95	41.66	726.74	36.06	16.43	6.95	6.76	7.93	
3	350.72	1.10	20.12	13.80	100.58	25.24	528.02	325.58	14.35	9.80	15.20	6.76	
4	116.47	4.78	20.12	17.25	80.66	25.24	613.79	552.08	2.09	14.35	22.37	18.11	
5	154.14	10.02	20.12	21.12	38.68	41.66	534.00	492.63	1.24	15.49	4.35	18.46	
6	119.20	13.80	46.75	11.38	31.01	71.82	429.94	424.39	1.74	12.27	1.52	10.46	
7	33.50	24.99	57.50	9.86	105.79	83.07	315.91	355.82	0.97	2.09	1.57	7.53	
8	53.84	19.50	46.75	22.12	274.48	87.95	278.99	127.50	1.95	1.33	1.74	6.01	
9	32.25	20.56	32.25	100.58	325.58	194.06	257.46	25.24	2.59	2.24	0.85	2.68	
10	59.48	2.02	57.50	90.43	345.64	376.48	228.67	98.01	7.14	2.32	1.47	1.88	
11	43.34	2.09	330.56	26.31	371.28	820.08	355.82	292.65	7.53	1.74	1.47	4.07	
12	32.25	2.24	270.19	37.36	424.39	1209.79	278.99	274.48	6.95	1.88	3.80	5.83	
13	2.78	2.32	33.50	52.03	504.33	1409.29	194.06	274.48	12.74	6.01	12.27	9.80	
14	15.78	5.65	34.77	50.25	418.97	1200.62	133.21	330.56	17.44	8.54	12.50	2.17	
15	8.54	2.89	142.05	85.50	297.25	698.98	111.09	311.21	16.77	11.81	10.68	3.20	
16	11.12	7.14	180.30	85.50	315.91	435.52	78.28	119.20	14.35	7.93	12.50	4.49	
17	11.81	1.52	41.66	73.95	498.47	274.48	52.03	176.91	10.24	10.46	8.54	6.19	
18	15.49	67.62	31.01	57.50	522.07	216.92	38.68	176.91	2.78	10.02	0.52	3.09	
19	8.13	311.21	28.58	38.68	320.63	209.21	59.48	306.53	1.57	4.21	0.97	2.17	
20	9.80	350.72	28.58	26.31	151.09	160.31	244.94	292.65	2.78	0.66	1.28	2.02	
21	2.99	620.09	28.58	27.39	80.66	136.14	145.05	176.91	4.07	0.85	3.20	1.57	
22	1.62	1255.97	9.86	28.58	63.51	113.77	28.58	190.59	9.37	0.85	1.43	1.74	
23	3.41	1173.27	8.13	166.89	124.71	209.21	133.21	142.05	12.27	0.97	0.85	8.54	
24	10.46	726.74	3.11	386.96	105.79	371.28	224.73	10.61	1.19	0.73	7.53	6.38	
25	8.13	402.85	1.88	345.64	160.31	776.13	105.79	1.67	3.20	1.47	5.47	3.94	
26	5.30	228.67	0.62	265.93	564.24	1601.81	139.09	1.47	6.76	4.78	4.35	1.57	
27	5.30	133.21	0.47	187.14	613.79	1750.26	160.31	1.52	9.59	5.47	5.12	0.66	
28	4.78	108.43	0.47	85.50	564.24	1560.23	34.77	2.59	3.20	4.07	11.12	3.20	
29	1.47	59.48	1.35	45.03	408.20	897.53	27.39	3.54	1.52	2.99		6.19	
30	9.16	41.66	0.96	25.24	236.72	435.52	98.01	4.95	1.24	2.32		6.95	
31		37.36		31.01	119.20		216.92		2.39	3.80		9.59	
Total	1140.94	5644.10	1540.34	2430.07	8301.61	15493.74	7459.19	5554.03	201.92	162.47	164.38	186.15	48278.94 Tonday
Mean	38.03	182.07	51.34	78.39	267.79	516.46	240.62	185.13	6.51	5.24	5.87	6.00	132.27 Ton/day
Max	350.72	1255.97	330.56	386.96	613.79	1750.26	726.74	552.08	17.44	15.49	22.37	18.46	1750.26 Ton/day
Min	1.47	0.73	0.47	6.70	31.01	25.24	27.39	1.47	0.97	0.66	0.52	0.66	0.47 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Ping River at Ban Tha Ngiu, Nakhon Sawan (P.17)**

Lat 16 - 03 - 53 N Long 99 - 51 - 37 E

Location : on right bank at Som Sieo Market.

	Ban	Tha Ngiu	Amphoe	Banphot Phisai	Changwat	Nakhon Sawan
Drainage Area	44,949	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1954-Cont'd					
Actual Measurement	1954-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	30					
R-Square	0.9316					
Remarks	Continued Sediment Station					

$$QS = 1.8708 QW^{1.23380}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	721.52	818.07	499.91	1383.55	517.74	3810.97	9622.36	721.52	1197.91	2112.02	2366.46	1986.99	
2	572.06	1017.73	472.77	1141.31	645.97	3072.20	11678.55	608.80	1620.74	2302.30	2560.75	2175.16	
3	627.30	1225.14	435.52	896.94	1058.63	2167.33	11948.41	535.75	2495.60	1741.24	3017.74	2238.55	
4	645.97	1336.89	353.91	683.55	1383.55	1621.24	13388.72	472.77	1863.35	2175.16	3150.49	1502.00	
5	818.07	1267.48	454.07	590.34	1407.00	1267.48	18554.92	435.52	1272.08	2626.11	2302.30	1924.94	
6	759.88	1162.20	1038.18	702.45	1573.14	1225.14	18472.19	407.94	1161.11	2049.32	2755.48	1620.74	
7	798.61	1183.09	1477.77	1017.73	1501.50	1204.12	15320.95	398.87	986.98	2430.87	3017.74	1741.24	
8	798.61	1204.12	1430.51	1204.12	1791.71	1742.68	13388.72	435.52	815.08	2302.30	1802.06	1620.74	
9	517.74	1225.14	1501.50	1225.14	2432.85	2460.00	11624.76	417.12	666.15	2560.75	2495.60	1741.24	
10	362.84	1841.00	1573.14	1477.77	3390.55	3243.48	9574.24	371.76	570.28	2626.11	2366.46	1924.94	
11	336.23	1038.18	1525.31	1549.19	3329.82	4008.09	8400.25	389.77	514.06	2175.16	2112.02	1802.06	
12	327.49	957.02	1477.77	1669.61	2460.00	4140.51	8644.58	380.78	494.33	3284.31	2175.16	1802.06	
13	327.49	779.16	1645.39	1477.77	2015.47	5001.74	7875.34	362.84	507.11	1741.24	2430.87	2049.32	
14	463.37	683.55	1791.71	1767.16	1890.54	5594.17	6506.88	389.77	549.07	2238.55	2495.60	1741.24	
15	702.45	553.82	1718.26	1791.71	1816.32	5428.36	5660.72	426.27	570.28	2238.55	2886.00	1502.00	
16	740.62	444.75	1742.68	1597.15	1841.00	5395.23	5099.63	268.38	586.09	2238.55	2302.30	1502.00	
17	896.94	572.06	1791.71	1383.55	1791.71	5428.36	4678.19	268.38	666.15	2886.00	2302.30	1924.94	
18	977.15	590.34	1430.51	1225.14	1791.71	5428.36	4008.09	279.66	570.28	1741.24	2626.11	1272.08	
19	1017.73	1454.10	1225.14	1017.73	2091.14	5727.41	3272.24	286.47	556.12	1986.99	2238.55	1234.85	
20	1038.18	2351.55	1079.22	857.34	2762.93	6177.42	2652.02	296.39	563.19	1802.06	1986.99	1347.08	
21	1058.63	2846.62	798.61	645.97	3129.10	6032.11	2218.41	323.56	549.07	2112.02	1680.83	1680.83	
22	997.44	2790.74	645.97	664.67	2959.00	5329.30	1890.54	346.13	556.12	1986.99	1741.24	1309.52	
23	1099.82	2487.30	590.34	1430.51	2624.38	4576.43	1645.39	354.16	542.03	1863.35	1741.24	1272.08	
24	857.34	1990.36	499.91	2192.84	2487.30	4273.73	1501.50	370.31	521.03	2112.02	2238.55	1384.92	
25	916.91	1360.18	645.97	1915.40	1990.36	4340.69	1360.18	416.93	521.03	1986.99	2238.55	1234.85	
26	798.61	1360.18	957.02	1693.90	1693.90	4742.53	1120.57	586.09	535.01	2302.30	2495.60	1234.85	
27	798.61	1430.51	997.44	1290.54	2596.89	7175.06	997.44	1161.11	715.11	2175.16	2112.02	1234.85	
28	759.88	957.02	1038.18	997.44	2818.70	10838.64	916.91	1347.08	900.29	2755.48	2366.46	1502.00	
29	877.13	702.45	1058.63	779.16	3551.19	10887.78	916.91	1052.11	1234.85	2755.48		1016.21	
30	683.55	572.06	1407.00	572.06	4508.89	9526.29	837.70	957.92	1561.15	2238.55		1161.11	
31		535.75		482.14	4475.10		779.16		1561.15	2626.11		731.60	
Total	22298.17	38738.56	33304.05	37323.88	70328.09	141866.85	204556.47	15069.68	27422.80	70173.28	66005.47	48416.99	775504.29 Tonday
Mean	743.27	1249.63	1110.13	1204.00	2268.65	4728.90	6598.60	502.32	884.61	2263.65	2357.34	1561.84	2124.67 Ton/day
Max	1099.82	2846.62	1791.71	2192.84	4508.89	10887.78	18554.92	1347.08	2495.60	3284.31	3150.49	2238.55	18554.92 Ton/day
Min	327.49	444.75	353.91	482.14	517.74	1204.12	779.16	268.38	494.33	1741.24	1680.83	731.60	268.38 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Rim at Ban Mae Rim Tai , Chiang Mai (P.21)**

Lat 18 - 55 - 39 N Long 98 - 56 - 23 E

Location : on left bank about 100 meters downstream from the bridge of Chiang Mai - Fang Highway.

	Ban Mae Rim Tai	Amphoe Mae Rim	Changwat Chiang Mai
Drainage Area	506 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2001-Cont'd		
Actual Measurement	2001-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	29		
R-Square	0.7367		
Remarks	Continued Sediment Station		

$$QS = 0.9000 QW^{2.04800}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.79	1.35	37.76	6.78	19.59	53.65	479.28	40.30	21.41	14.01	5.93	10.83	
2	14.01	3.00	28.46	7.69	93.25	41.60	2433.53	39.02	42.92	13.34	5.93	10.25	
3	29.55	8.66	14.69	8.66	110.65	32.94	3090.86	36.53	27.39	12.69	6.32	10.25	
4	9.13	5.13	9.13	7.20	68.97	44.26	1632.09	32.94	22.36	12.05	6.32	8.14	
5	6.32	2.77	8.14	6.32	79.54	34.12	531.96	31.79	18.71	11.44	5.93	9.13	
6	4.44	2.77	9.13	7.20	185.29	41.60	271.69	31.79	15.39	10.83	5.93	9.13	
7	7.20	21.41	10.25	90.88	344.21	129.57	181.37	28.46	18.71	10.25	5.93	9.68	
8	7.20	13.34	8.14	83.99	524.26	75.22	185.29	34.12	22.36	9.13	5.50	9.68	
9	5.50	14.01	5.13	28.46	808.72	314.37	141.08	32.94	17.01	8.66	4.44	9.68	
10	3.28	15.39	4.44	15.39	486.64	494.05	325.91	28.46	16.19	8.66	4.44	9.13	
11	2.77	177.49	4.11	21.41	555.40	927.79	287.32	24.31	16.19	7.69	4.44	8.66	
12	3.28	113.26	4.44	42.92	429.41	1320.70	148.02	24.31	15.39	7.69	4.11	7.20	
13	3.84	41.60	5.13	15.39	563.33	422.51	105.52	25.31	14.69	7.69	4.11	9.13	
14	3.53	25.31	5.13	17.01	292.63	363.02	90.88	21.41	17.85	7.69	4.11	12.05	
15	3.84	17.85	5.13	75.22	169.87	193.26	162.41	23.32	19.59	7.69	4.74	12.05	
16	2.51	13.34	7.69	83.99	189.25	132.40	86.25	41.60	26.34	7.20	5.13	11.44	
17	3.00	10.25	7.20	40.30	292.63	93.25	81.75	32.94	19.59	6.78	22.36	11.44	
18	2.30	15.39	7.69	36.53	308.86	124.01	68.97	34.12	22.36	6.78	26.34	14.01	
19	4.74	18.71	6.78	16.19	141.08	110.65	61.07	37.76	30.66	6.78	17.01	21.41	
20	22.36	77.36	5.93	18.71	98.06	98.06	61.07	27.39	26.34	7.20	10.83	20.49	
21	10.25	777.33	5.13	17.85	88.55	181.37	79.54	23.32	12.05	7.20	7.69	17.01	
22	9.13	678.18	5.50	66.95	118.57	126.78	81.75	21.41	12.05	6.78	6.78	14.01	
23	8.14	103.00	4.74	126.78	246.63	126.78	110.65	19.59	16.19	6.78	6.32	13.34	
24	6.78	50.13	5.13	375.84	95.64	382.33	113.26	18.71	10.83	6.78	5.93	11.44	
25	3.84	39.02	4.74	135.26	108.07	631.46	93.25	18.71	14.01	6.78	5.93	10.83	
26	1.05	24.31	4.74	44.26	138.15	985.16	73.11	17.85	14.01	6.78	9.13	10.25	
27	0.79	17.01	5.13	17.01	197.30	1210.12	57.30	18.71	12.05	6.78	12.05	9.13	
28	2.30	13.34	5.50	16.19	436.36	314.37	55.46	15.39	14.01	6.78	11.44	9.68	
29	1.52	12.05	5.50	14.01	271.69	135.26	61.07	20.49	13.34	6.32		9.13	
30	1.05	10.83	6.78	18.71	100.52	93.25	45.63	15.39	14.69	5.93		8.14	
31		14.01		17.85	57.30		42.92		14.01	5.93		9.13	
Total	184.44	2337.60	247.39	1480.95	7620.42	9233.91	11240.26	818.39	578.69	257.09	225.12	345.87	34570.13 Tonday
Mean	6.15	75.41	8.25	47.77	245.82	307.80	362.59	27.28	18.67	8.29	8.04	11.16	94.71 Ton/day
Max	29.55	777.33	37.76	375.84	808.72	1320.70	3090.86	41.60	42.92	14.01	26.34	21.41	3090.86 Ton/day
Min	0.79	1.35	4.11	6.32	19.59	32.94	42.92	15.39	10.83	5.93	4.11	7.20	0.79 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Ngat at Ban Sahakorn Romklao , Chiang Mai (P.56A)**

Lat 19 - 17 - 00 N Long 99 - 11 - 12 E

Location : on left bank at the bridge near land Cooperative Office.

	Ban	Sahakorn Romklao	Amphoe	Phrao	Changwat	Chiang Mai
Drainage Area	546	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1997-Cont'd					
Actual Measurement	1997-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	29					
R-Square	0.8460					
Remarks	Continued Sediment Station					

$$QS = 2.8167 QW^{1.50440}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.31	3.52	22.67	16.97	379.69	35.61	372.69	4.18	6.26	2.32	4.18	8.60	
2	1.54	4.18	22.67	584.81	113.95	34.23	437.91	4.18	6.26	2.32	4.18	8.60	
3	8.11	4.18	22.67	157.04	16.21	28.90	423.04	4.18	6.26	2.32	4.18	8.60	
4	4.18	4.18	22.67	57.32	25.10	27.61	331.64	4.18	6.26	2.32	3.85	8.60	
5	4.18	4.18	19.35	20.16	40.17	25.10	222.98	4.18	5.39	2.32	3.85	6.26	
6	4.18	4.18	9.16	14.05	61.32	28.90	117.19	4.18	4.18	2.32	3.85	6.26	
7	4.18	4.57	8.60	16.97	1406.40	28.90	63.36	4.18	4.18	2.32	3.85	6.26	
8	4.18	6.26	8.11	81.98	2182.74	34.23	41.72	4.18	4.18	2.32	3.85	5.82	
9	3.52	7.16	5.82	22.67	1028.42	117.19	28.90	4.18	3.52	2.32	3.85	4.18	
10	3.52	8.60	4.18	23.88	468.16	92.70	28.90	4.18	3.52	2.32	3.52	4.18	
11	3.52	31.52	4.18	21.82	584.81	120.46	28.90	3.85	3.52	2.32	3.52	4.18	
12	3.52	16.97	4.18	20.99	844.48	689.12	28.90	3.85	3.52	2.32	3.85	4.18	
13	3.52	14.05	4.18	137.87	657.22	926.05	28.90	3.85	3.52	2.32	3.21	4.98	
14	3.52	7.63	3.52	89.98	506.80	1266.61	28.90	3.85	3.52	2.32	3.21	8.60	
15	3.52	8.11	1.31	51.49	207.92	732.42	27.61	2.90	3.52	2.32	3.21	8.60	
16	3.52	345.14	1.31	21.82	98.22	636.24	22.67	1.31	3.52	2.32	3.21	8.60	
17	3.52	194.62	1.31	17.75	71.71	554.65	22.67	1.31	3.52	2.32	3.52	8.60	
18	3.52	194.62	1.31	18.55	69.59	546.70	20.16	1.31	3.52	2.32	12.13	8.60	
19	3.52	89.98	1.31	20.99	49.81	460.42	11.52	1.31	3.52	2.32	123.76	8.60	
20	4.57	721.51	1.31	14.71	32.87	400.94	11.52	2.61	3.52	2.32	63.36	8.60	
21	38.63	1334.22	1.31	19.35	38.63	408.34	11.52	12.13	3.21	2.32	20.16	8.60	
22	20.16	855.98	1.31	41.72	239.13	491.17	10.91	19.35	3.52	2.32	9.16	8.60	
23	12.76	506.80	1.31	902.49	574.69	605.21	8.60	12.76	3.52	2.61	8.60	8.11	
24	7.16	157.04	1.31	250.11	199.02	554.65	8.60	8.60	3.52	4.57	8.60	6.71	
25	2.90	67.49	1.31	207.92	76.79	574.69	8.60	7.63	3.52	4.98	8.60	6.71	
26	2.90	74.24	1.31	20.99	460.42	743.39	8.11	7.63	3.52	4.98	8.60	6.71	
27	2.90	46.52	1.31	13.40	594.98	646.71	6.26	7.63	2.32	4.98	8.60	5.82	
28	2.90	35.61	1.31	9.16	292.22	483.54	6.26	7.16	2.32	4.57	8.11	4.18	
29	2.90	32.87	1.31	12.76	134.14	430.34	4.98	6.26	2.32	4.18		4.18	
30	2.90	22.67	1.31	21.82	104.42	379.69	4.18	6.26	2.32	4.18		4.18	
31		22.67		30.20	48.16		4.18		2.32	4.18		4.18	
Total	171.26	4831.27	182.92	2941.74	11608.19	12104.71	2382.28	163.36	117.62	90.27	342.57	208.88	35145.07 Tonday
Mean	5.71	155.85	6.10	94.89	374.46	403.49	76.85	5.45	3.79	2.91	12.23	6.74	96.29 Ton/day
Max	38.63	1334.22	22.67	902.49	2182.74	1266.61	437.91	19.35	6.26	4.98	123.76	8.60	2182.74 Ton/day
Min	1.31	3.52	1.31	9.16	16.21	25.10	4.18	1.31	2.32	2.32	3.21	4.18	1.31 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Ping River at Ban Mae Tae , Chiang Mai (P.67)**

Lat 19 - 01 - 31 N Long 98 - 57 - 36 E

Location : on left bank at the bridge on highway.

	Ban Mae Tae	Amphoe San Sai	Changwat Chiang Mai
Drainage Area	5,129 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1997-Cont'd		
Actual Measurement	1997-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	36		
R-Square	0.8542		
Remarks	Continued Sediment Station		

$$QS = 0.5478 QW^{1.86610}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.33	2.55	152.66	31.37	225.49	3559.37	4252.55	995.44	324.83	90.63	57.44	36.57	
2	114.97	6.20	146.71	102.46	419.55	2923.78	29325.78	901.08	255.79	83.12	65.67	33.06	
3	171.13	16.99	65.67	263.64	373.95	2023.14	57625.42	833.33	271.60	83.12	190.59	158.71	
4	34.80	21.24	19.06	119.28	395.79	1516.87	47983.36	833.33	218.20	86.84	204.10	225.49	
5	6.20	11.00	12.44	49.72	271.60	1250.30	19793.99	712.35	240.42	83.12	171.13	232.90	
6	3.97	7.18	16.00	29.72	431.67	1250.30	12069.98	649.84	271.60	106.56	158.71	255.79	
7	3.33	26.54	11.71	31.37	924.42	1277.08	8134.70	649.84	248.05	248.05	86.84	255.79	
8	7.76	65.67	12.44	119.28	2970.61	811.09	6301.24	665.21	197.29	232.90	42.53	137.28	
9	4.66	36.57	15.04	431.67	8236.49	1644.76	5105.19	649.84	152.66	106.56	42.53	34.80	
10	2.55	248.05	15.04	184.00	11545.41	3872.19	4707.43	634.89	132.67	94.50	106.56	190.59	
11	2.11	507.72	13.19	287.86	10168.62	7282.79	6387.74	576.75	123.67	98.44	158.71	204.10	
12	3.33	562.62	13.19	132.67	9503.61	16370.65	4649.40	534.84	123.67	98.44	158.71	197.29	
13	7.18	211.01	13.19	83.12	29856.11	23545.74	3559.37	494.65	123.67	114.97	132.67	197.29	
14	22.37	123.67	12.44	177.51	28278.37	23113.99	3209.92	481.73	123.67	263.64	44.87	240.42	
15	22.37	86.84	15.04	363.87	8134.70	21841.02	3872.19	443.94	141.96	255.79	28.11	98.44	
16	8.99	47.27	15.04	190.59	4707.43	14184.38	2923.78	634.89	119.28	106.56	79.48	49.72	
17	3.97	69.01	5.80	106.56	4420.62	11415.96	2489.82	605.50	119.28	79.48	456.38	218.20	
18	3.33	132.67	7.76	49.72	4364.26	10281.48	2250.87	971.61	119.28	75.91	481.73	287.86	
19	2.55	443.94	4.66	33.06	3819.21	9503.61	2060.32	760.98	106.56	72.42	306.08	248.05	
20	4.66	287.86	2.55	40.25	1914.87	7375.29	1743.60	712.35	98.44	90.63	255.79	255.79	
21	5.40	1250.30	2.78	47.27	1423.92	7468.32	1580.21	696.47	119.28	240.42	110.72	255.79	
22	11.71	14036.23	2.11	171.13	1223.42	8545.38	1485.45	760.98	110.72	204.10	57.44	86.84	
23	9.64	5688.62	2.55	728.39	1914.87	7190.84	1516.87	696.47	106.56	90.63	54.81	38.39	
24	3.33	1949.75	4.66	1069.24	3357.64	8545.38	1423.92	680.76	110.72	72.42	152.66	158.71	
25	3.33	971.61	3.33	971.61	3457.82	10778.89	1250.30	712.35	90.63	79.48	197.29	197.29	
26	2.33	534.84	3.33	384.16	4308.24	9833.51	1094.15	649.84	90.63	75.91	184.00	184.00	
27	2.11	334.40	4.31	184.00	8338.87	11545.41	1044.26	576.75	106.56	190.59	164.87	190.59	
28	2.78	218.20	3.03	90.63	11937.82	8859.54	1069.24	576.75	110.72	232.90	69.01	197.29	
29	3.33	152.66	2.78	49.72	8649.51	6739.23	1170.84	548.65	110.72	240.42		60.13	
30	15.04	123.67	3.03	40.25	4824.49	5105.19	1223.42	481.73	106.56	119.28		29.72	
31		102.46		79.48	3872.19		1069.24		98.44	60.13		29.72	
Total	492.56	28277.34	601.54	6643.60	184271.57	249655.48	242374.55	20123.14	4674.13	4077.96	4219.43	4986.61	750397.91 Tonday
Mean	16.42	912.17	20.05	214.31	5944.24	8321.85	7818.53	670.77	150.78	131.55	150.69	160.86	2055.88 Ton/day
Max	171.13	14036.23	152.66	1069.24	29856.11	23545.74	57625.42	995.44	324.83	263.64	481.73	287.86	57625.42 Ton/day
Min	2.11	2.55	2.11	29.72	225.49	811.09	1044.26	443.94	90.63	60.13	28.11	29.72	2.11 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Ping River at Ban Sop Soi , Chiang Mai (P.73)**

Lat 18 - 17 - 57 N Long 98 - 38 - 45 E

Location : on left bank at Sop Soi Phatana Bridge.

	Ban Sop Soi	Amphoe Chom Thong	Changwat	Chiang Mai
Drainage Area	14,718 sq.km.			
Method of sampling	Depth Integrating			
Instrument Used	US.D-49			
Period of Available Records	1997-Cont'd			
Actual Measurement	1997-Cont'd			
Using Rating Curve Water Year	2022			
Number of observation	24			
R-Square	0.9202			
Remarks	Continued Sediment Station			

$$QS = 0.0996 QW^{1.89850}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	30.81	38757.84	14.73	16.38	22.57	12360.16	30862.36	31.67	35.53	32.25	30.81	34.62	
2	31.38	23802.67	19.93	18.12	20.87	14510.96	74208.74	29.12	42.21	31.96	30.81	31.96	
3	32.54	21589.92	11.15	33.13	16.60	14207.83	90308.16	28.84	32.83	32.54	30.81	30.52	
4	33.13	23802.67	9.78	26.40	20.40	12772.30	88322.11	27.47	32.83	32.25	30.81	32.25	
5	34.02	24646.09	20.87	21.35	19.24	13615.76	58165.05	32.25	31.67	31.96	31.38	34.92	
6	33.13	24646.09	16.38	20.87	17.02	14971.32	26228.42	29.95	33.42	31.67	30.81	31.67	
7	31.38	25544.57	19.02	17.90	23.06	13050.62	17910.71	29.67	31.09	32.83	28.56	33.13	
8	22.57	29819.86	18.34	26.40	22.08	13615.76	12911.11	38.01	31.67	34.62	30.24	32.54	
9	16.17	21589.92	15.34	19.70	22.08	19148.86	14510.96	30.52	33.13	32.54	29.39	31.67	
10	6.45	14057.40	13.94	17.02	23.06	17910.71	22382.74	27.74	32.25	32.25	28.29	30.24	
11	12.23	14207.83	8.03	21.35	15.75	29304.96	25999.52	29.39	32.54	33.42	28.84	32.25	
12	34.62	30338.99	12.41	28.84	13.94	29819.86	17737.03	29.12	36.14	34.32	35.84	33.13	
13	34.02	20617.96	15.34	37.70	13.16	27857.26	13190.84	25.35	33.42	31.09	34.02	32.83	
14	30.81	11954.41	15.75	26.93	14.13	23802.67	13758.82	27.74	30.24	31.09	32.25	33.42	
15	30.52	10177.02	15.34	19.70	9.61	26228.42	17392.08	15.96	31.09	31.96	32.25	33.72	
16	31.38	5200.59	13.74	15.96	8898.70	17910.71	14510.96	0.83	32.25	33.42	36.76	33.72	
17	30.81	13050.62	15.96	12.23	16393.17	18260.47	17050.33	0.57	35.22	33.13	33.72	32.54	
18	31.38	11032.65	16.38	9.94	14663.66	15438.49	24008.89	0.04	39.92	33.42	37.70	29.95	
19	38.01	15126.29	17.46	14.13	12088.95	15126.29	22784.21	0.03	41.55	33.13	42.54	35.53	
20	39.28	16232.17	18.12	12.60	11555.09	15438.49	20057.20	1.70	30.52	31.96	36.45	33.42	
21	33.72	45133.56	18.12	31.67	11032.65	17050.33	21786.86	26.67	29.95	29.67	35.22	30.52	
22	32.83	12360.16	17.24	38.01	14971.32	13758.82	19873.94	28.29	28.84	31.09	29.39	32.83	
23	31.67	7535.36	15.34	29.12	15595.72	16554.92	19873.94	34.62	34.62	32.54	30.81	30.52	
24	34.02	4960.88	14.53	15.34	11954.41	19148.86	18085.19	33.13	34.92	32.54	31.38	30.81	
25	33.13	4888.44	14.13	11.86	12772.30	28093.74	22583.05	33.42	32.83	32.54	32.25	34.62	
26	32.25	4.62	19.24	11.50	14207.83	40909.19	17392.08	30.52	32.83	31.96	31.09	33.13	
27	31.38	5.54	17.02	9.94	14663.66	44470.88	11292.44	29.12	34.92	29.67	32.25	33.42	
28	31.38	17.02	15.75	6.87	16232.17	31921.81	23.31	29.95	33.13	31.38	35.84	33.13	
29	29.39	9.29	16.17	19.02	14057.40	10908.41	24.32	33.42	31.67	32.54		31.96	
30	28.56	17.90	15.96	19.47	15282.01	7237.75	26.40	32.25	32.54	31.38		31.09	
31		19.70		12.04	15595.72		30.52		32.54	31.09		31.38	
Total	902.97	471148.03	471.51	621.49	220238.33	595406.61	753292.29	747.36	1038.31	998.21	910.51	1007.44	2046783.06 Tonday
Mean	30.10	15198.32	15.72	20.05	7104.46	19846.89	24299.75	24.91	33.49	32.20	32.52	32.50	5607.62 Ton/day
Max	39.28	45133.56	20.87	38.01	16393.17	44470.88	90308.16	38.01	42.21	34.62	42.54	35.53	90308.16 Ton/day
Min	6.45	4.62	8.03	6.87	9.61	7237.75	23.31	0.03	28.84	29.67	28.29	29.95	0.03 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Ping River at Ban Sop Pae , Chiang Mai (P.73A)**

Lat 18 - 15 - 09 N Long 98 - 38 - 03 E

Location : on right bank at Ban Sop Pae.

	Ban Sop Pae	Amphoe Chom Thong	Changwat Chiang Mai
Drainage Area	14,779 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2017-Cont'd		
Actual Measurement	2017-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	27		
R-Square	0.9032		
Remarks	Continued Sediment Station		

$$QS = 0.1573 QW^{1.77020}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.15	5.04	160.05	4.07	236.90	1414.82	22744.09	568.34	222.97	30.20	9.63	5.74	
2	19.36	2.32	261.35	7.35	466.48	1379.91	50297.18	559.52	568.34	37.63	5.04	1.62	
3	196.34	2.51	196.34	30.20	646.25	1124.99	58477.99	466.48	399.26	33.82	6.92	1.95	
4	241.62	6.11	81.50	66.10	776.25	677.78	59828.70	346.88	236.90	30.20	13.25	1.17	
5	83.83	8.23	44.75	61.99	798.92	667.20	48513.03	419.72	192.15	21.11	24.80	12.57	
6	27.88	8.68	70.32	30.20	677.78	861.54	29838.93	372.67	175.78	15.39	35.07	22.92	
7	13.25	79.19	76.91	16.14	1202.22	823.03	17528.93	292.41	140.75	19.36	14.66	17.67	
8	95.95	699.16	52.51	58.00	2339.15	995.40	11683.91	276.69	129.70	32.59	5.39	3.76	
9	68.20	458.39	41.80	204.97	3594.73	2226.59	8016.14	366.15	120.03	59.98	5.39	5.74	
10	70.32	241.62	64.03	292.41	6394.00	8705.06	7308.69	276.69	105.44	33.82	2.13	3.47	
11	22.92	209.41	22.92	261.35	6197.99	26088.08	10075.49	287.13	86.20	22.01	0.35	1.62	
12	22.01	709.96	6.92	372.67	5221.88	33019.84	9278.87	315.78	79.19	17.67	2.91	13.25	
13	13.95	577.22	7.78	328.07	6197.99	31755.00	6004.64	241.62	105.44	16.90	12.57	23.85	
14	13.95	209.41	7.78	406.03	9085.83	24309.18	3930.40	246.39	47.79	21.11	4.71	31.39	
15	15.39	183.89	7.35	810.36	7049.28	27073.19	4364.61	406.03	72.47	35.07	0.29	20.22	
16	1.95	43.26	3.19	995.40	4401.69	17234.91	3464.12	399.26	70.32	61.99	10.12	22.92	
17	4.71	22.92	4.07	646.25	4791.11	10005.16	2182.25	491.13	91.02	32.59	3.76	27.88	
18	3.47	93.47	5.39	346.88	5813.97	8016.14	1882.79	466.48	22.01	10.12	44.75	21.11	
19	1.95	412.85	5.39	218.41	4254.21	6295.67	1414.82	542.06	126.10	9.63	213.89	70.32	
20	7.35	835.78	5.74	86.20	2571.45	5354.25	1346.81	303.70	83.83	22.01	37.63	95.95	
21	46.26	16846.25	5.04	144.52	1249.62	5047.64	1140.26	385.86	38.94	19.36	24.80	54.12	
22	49.34	23409.30	5.74	731.77	1217.93	4513.73	1009.25	426.64	32.59	21.11	22.92	44.75	
23	46.26	14007.62	4.38	1583.49	1841.59	4438.90	1094.72	353.25	32.59	54.12	11.25	33.82	
24	33.82	5488.06	1.95	3335.62	1760.37	8705.06	1079.73	281.89	50.91	27.88	3.76	9.63	
25	18.50	3146.85	1.05	3084.99	1488.77	18625.48	1065.47	292.41	44.75	11.90	6.92	9.15	
26	5.74	1488.77	3.76	1433.15	2725.13	37613.38	981.64	353.25	32.59	13.95	10.62	6.51	
27	7.35	1079.73	13.25	954.36	3529.16	39305.61	874.55	353.25	35.07	7.78	9.15	9.63	
28	3.76	385.86	4.38	399.26	4364.61	32311.96	787.55	292.41	41.80	16.90	8.68	7.78	
29	4.71	412.85	4.07	179.81	6443.42	17528.93	720.83	271.53	31.39	36.34		5.74	
30	5.04	156.10	4.07	200.57	3496.57	8705.06	731.77	315.78	43.26	29.03		4.38	
31		261.35		115.08	2226.59		635.89		32.59	24.80		3.47	
Total	1145.33	71492.16	1173.78	17405.67	103061.84	384823.49	368304.05	10971.40	3492.17	826.37	551.36	594.10	963841.72 Tondays
Mean	38.18	2306.20	39.13	561.47	3324.58	12827.45	11880.78	365.71	112.65	26.66	19.69	19.16	2640.66 Ton/day
Max	241.62	23409.30	261.35	3335.62	9085.83	39305.61	59828.70	568.34	61.99	213.89	95.95	59828.70	Ton/day
Min	0.15	2.32	1.05	4.07	236.90	667.20	635.89	241.62	22.01	7.78	0.29	1.17	0.15 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Ping River at Ban Cho Lae , Chiang Mai (P.75)**

Lat 19 - 08 - 51 N Long 99 - 00 - 26 E

Location : on left bank at the bridge on road.

	Ban Cho Lae	Amphoe Mae Teang	Changwat Chiang Mai
Drainage Area	2,920 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2001-Cont'd		
Actual Measurement	2001-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	37		
R-Square	0.7595		
Remarks	Continued Sediment Station		

$$QS = 0.7889 QW^{1.74460}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	26.52	17.82	22.47	27.71	139.23	917.72	578.72	348.96	127.43	50.11	37.96	32.66	
2	80.68	31.39	21.50	90.03	223.40	625.49	2062.29	329.73	102.54	51.74	42.30	42.30	
3	58.66	32.66	19.62	130.34	158.01	515.86	4552.82	323.42	85.30	53.39	110.58	130.34	
4	24.46	28.91	21.50	66.12	139.23	473.92	5197.89	310.97	82.98	50.11	107.87	130.34	
5	18.71	23.46	21.50	48.50	82.98	444.75	1985.77	286.69	80.68	43.81	97.32	127.43	
6	16.94	15.34	19.62	36.60	80.68	473.92	1373.57	236.74	78.41	82.98	87.65	130.34	
7	18.71	27.71	20.55	36.60	124.55	430.46	1001.61	298.72	78.41	133.27	33.95	113.31	
8	18.71	26.52	19.62	87.65	444.75	304.82	819.56	265.73	73.96	80.68	32.66	30.14	
9	15.34	39.33	18.71	68.04	1410.36	524.65	654.30	298.72	69.99	46.92	37.96	36.60	
10	13.81	90.03	19.62	51.74	1802.69	1015.89	578.72	298.72	68.04	46.92	105.19	124.55	
11	13.08	82.98	20.55	68.04	1584.57	1825.16	945.34	298.72	66.12	46.92	105.19	124.55	
12	15.34	55.07	20.55	56.85	1825.16	4002.15	635.03	130.34	66.12	42.30	105.19	124.55	
13	37.96	37.96	18.71	46.92	6357.22	5737.53	473.92	118.88	69.99	82.98	82.98	124.55	
14	35.27	30.14	16.94	107.87	3877.01	5303.99	416.37	121.70	64.22	127.43	28.91	113.31	
15	36.60	26.52	19.62	69.99	1059.27	3551.62	402.48	130.34	64.22	69.99	26.52	45.36	
16	12.35	23.46	19.62	50.11	685.38	2583.97	342.49	161.47	56.85	43.81	64.22	50.11	
17	10.96	46.92	16.13	46.92	597.24	2435.57	329.73	151.47	55.07	42.30	202.40	145.29	
18	12.35	69.99	21.50	40.80	842.91	2491.05	355.47	113.31	55.07	42.30	186.51	142.24	
19	25.48	179.20	21.50	39.33	533.50	2113.99	355.47	133.27	55.07	42.30	161.47	139.23	
20	24.46	76.17	19.62	48.50	304.82	1714.00	336.09	142.24	56.85	80.68	124.55	148.36	
21	17.82	280.75	18.71	43.81	236.74	1847.75	355.47	182.84	56.85	127.43	45.36	136.24	
22	31.39	1563.42	16.94	69.99	246.25	1962.47	355.47	336.09	53.39	73.96	37.96	58.66	
23	22.47	819.56	16.13	186.51	635.03	1714.00	336.09	348.96	60.49	42.30	40.80	39.33	
24	18.71	286.69	16.13	265.73	1178.69	1523.22	310.97	336.09	60.49	39.33	107.87	121.70	
25	22.47	145.29	16.13	236.74	1230.57	1825.16	292.68	298.72	56.85	40.80	110.58	118.88	
26	18.71	80.68	19.62	116.08	1605.84	2192.56	292.68	219.13	58.66	46.92	105.19	116.08	
27	21.50	51.74	16.94	76.17	2435.57	3058.43	355.47	214.89	48.50	116.08	85.30	118.88	
28	21.50	42.30	16.94	51.74	3960.25	2062.29	362.03	194.24	58.66	118.88	31.39	102.54	
29	32.66	32.66	17.82	42.30	2435.57	1648.74	362.03	148.36	62.34	105.19		27.71	
30	31.39	27.71	18.71	35.27	1605.84	1044.72	355.47	133.27	58.66	39.33		23.46	
31		19.62		60.49	1301.23		362.03		53.39	36.60		30.14	
Total	755.01	4312.00	573.52	2403.49	39144.54	56365.85	27138.03	6912.73	2085.60	2047.76	2345.83	2949.18	147033.54 Tonday
Mean	25.17	139.10	19.12	77.53	1262.73	1878.86	875.42	230.42	67.28	66.06	83.78	95.13	402.83 Ton/day
Max	80.68	1563.42	22.47	265.73	6357.22	5737.53	5197.89	348.96	127.43	133.27	202.40	148.36	6357.22 Ton/day
Min	10.96	15.34	16.13	27.71	80.68	304.82	292.68	113.31	48.50	36.60	26.52	23.46	10.96 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Li at Ban Mae E - Hai , Lamphun (P.76)**

Lat 18 - 08 - 26 N Long 98 - 53 - 45 E

Location : on left bank near the bridge of Li - Ban Mae E - Hai road.

	Ban	Mae E - Hai	Amphoe	Li	Changwat	Lamphun
Drainage Area	1,544	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	2001-Cont'd					
Actual Measurement	2001-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	26					
R-Square	0.8746					
Remarks	Continued Sediment Station					

$$QS = 1.8806 QW^{1.56290}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.94	0.56	10.91	0.35	14.04	41.58	5971.05	39.36	25.79	5.56	2.18	0.94	
2	1.08	1.71	8.98	0.35	43.85	37.19	10971.16	39.36	35.06	5.56	2.18	1.08	
3	1.22	1.08	6.36	0.26	43.85	27.46	5534.52	41.58	29.18	4.71	1.88	1.08	
4	1.22	1.08	5.13	0.35	39.36	24.14	6051.69	39.36	25.79	4.71	1.88	1.08	
5	1.22	1.08	5.56	0.40	50.89	53.32	3366.93	41.58	22.54	4.31	1.88	0.94	
6	1.08	0.94	10.91	0.40	37.19	56.99	1607.63	41.58	17.98	4.71	1.88	0.80	
7	1.22	0.80	12.97	0.56	27.46	72.53	966.03	37.19	11.92	5.56	2.18	0.94	
8	1.22	1.22	11.92	0.80	43.85	774.57	734.35	35.06	15.15	6.36	2.18	0.80	
9	1.38	2.18	8.98	0.94	107.85	1534.68	607.05	32.97	14.04	5.56	1.88	0.80	
10	1.22	2.83	5.56	1.08	229.04	3934.02	500.10	35.06	11.92	6.36	1.71	0.80	
11	1.22	6.36	4.71	1.38	196.77	5417.55	1392.49	32.97	16.54	6.36	1.54	0.80	
12	1.08	8.98	3.92	1.08	50.89	9222.53	1221.87	35.06	15.15	5.13	1.54	0.68	
13	1.08	11.92	3.92	1.08	41.58	3614.45	664.01	35.06	15.15	4.71	1.38	0.80	
14	0.94	8.98	3.54	1.54	35.06	4001.14	500.10	32.97	12.97	5.13	1.22	0.68	
15	0.80	5.56	2.83	1.88	22.54	3125.80	552.19	35.06	15.15	5.13	1.22	0.68	
16	0.80	2.83	2.18	16.54	50.89	1155.89	374.78	32.97	14.04	4.71	1.38	0.68	
17	0.94	2.83	2.18	15.15	160.44	641.05	215.92	29.18	12.97	5.13	1.08	1.38	
18	1.08	2.83	2.50	4.71	442.10	390.73	154.64	32.97	14.04	4.71	1.22	2.50	
19	1.71	3.18	2.83	4.71	242.44	291.44	138.01	41.58	12.97	3.92	1.08	2.50	
20	1.22	3.54	3.18	5.13	53.32	190.53	122.59	39.36	12.97	3.92	1.08	30.94	
21	1.08	30.94	2.50	25.79	39.36	203.08	93.79	35.06	14.04	3.54	1.08	20.98	
22	0.94	178.27	1.88	203.08	35.06	122.59	89.38	35.06	10.91	3.92	1.08	5.56	
23	0.68	117.60	1.71	875.77	30.94	112.69	80.80	29.18	14.04	3.54	1.08	4.71	
24	0.80	60.75	1.54	760.48	20.98	366.90	64.59	29.18	14.04	3.54	0.94	3.18	
25	0.68	39.36	1.38	196.77	35.06	3125.80	64.59	27.46	15.15	3.54	0.94	2.50	
26	0.80	22.54	1.22	107.85	48.50	9735.61	50.89	27.46	15.15	3.18	1.08	1.88	
27	0.56	12.97	1.22	39.36	122.59	10731.73	50.89	30.94	11.92	3.18	0.94	1.38	
28	0.68	10.91	1.22	20.98	1644.56	5186.33	50.89	27.46	10.91	3.18	0.94	1.54	
29	0.56	7.20	1.22	15.15	222.45	1480.78	53.32	30.94	12.97	2.50		1.38	
30	0.56	8.07	0.45	11.92	132.80	1107.28	50.89	27.46	8.07	2.18		1.08	
31		11.92		9.93	50.89		41.58		6.36	2.18		0.94	
Total	30.01	571.02	133.41	2325.77	4316.60	66780.38	42338.72	1030.48	484.88	136.73	40.65	96.03	118284.68 Tonday
Mean	1.00	18.42	4.45	75.02	139.25	2226.01	1365.77	34.35	15.64	4.41	1.45	3.10	324.07 Ton/day
Max	1.71	178.27	12.97	875.77	1644.56	10731.73	10971.16	41.58	35.06	6.36	2.18	30.94	10971.16 Ton/day
Min	0.56	0.56	0.45	0.26	14.04	24.14	41.58	27.46	6.36	2.18	0.94	0.68	0.26 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Tha at Ban Sop Mae Sapuad , Lamphun (P.77)**

Lat 18 - 26 - 05 N Long 99 - 05 - 08 E

Location : on left bank at the bridge on road.

	Ban	Sop Mae Sapuad	Amphoe	Mae Tha	Changwat	Lamphun
Drainage Area	552	sq.km.				
Method of sampling	Depth	Integrating				
Instrument Used	US.D-49					
Period of Available Records	2001-Cont'd					
Actual Measurement	2001-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	26					
R-Square	0.9451					
Remarks	Continued Sediment Station					

$$QS = 3.5385 QW^{1.60390}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	3.10	0.36	76.57	143.51	3396.10	34.01	22.86	2.28	6.78	2.09	
2	0.00	0.00	9.91	0.27	49.80	46.76	1151.41	34.01	27.12	2.68	5.39	0.00	
3	0.00	0.00	4.12	0.27	99.38	20.17	707.50	34.01	27.12	2.47	3.31	0.00	
4	0.00	0.00	3.31	0.27	72.99	12.90	827.89	36.44	24.95	2.47	3.10	0.00	
5	0.00	0.00	2.88	0.27	94.44	17.61	690.88	34.01	22.86	2.09	2.68	0.00	
6	0.00	0.00	1.73	0.27	120.04	163.21	690.88	31.65	21.50	1.91	2.68	0.00	
7	0.00	3.31	1.32	0.27	143.51	52.91	328.22	34.01	20.17	1.91	2.68	0.00	
8	0.00	6.07	1.32	0.27	568.02	62.65	213.31	36.44	18.88	2.09	2.68	0.00	
9	0.00	3.54	1.20	0.12	1322.79	244.95	183.85	44.09	17.61	2.09	2.68	0.00	
10	0.00	2.68	0.98	0.51	658.10	582.69	205.66	38.93	17.61	2.09	2.68	0.00	
11	0.00	36.44	0.78	1.20	244.95	1034.96	381.27	36.44	15.19	1.91	2.68	0.00	
12	0.00	11.81	0.69	0.98	338.59	1715.51	169.99	31.65	14.03	1.91	2.68	0.00	
13	0.00	1.91	0.78	1.20	457.27	1151.41	114.74	31.65	12.90	1.91	2.68	0.00	
14	0.00	2.09	0.60	62.65	431.36	810.26	143.51	29.35	11.81	1.91	2.68	0.00	
15	0.00	2.47	0.69	278.21	156.54	359.69	130.92	31.65	9.08	1.91	2.68	0.00	
16	0.00	2.28	0.60	84.86	317.97	261.38	99.38	29.35	8.29	1.91	2.88	0.00	
17	0.00	2.28	0.46	16.38	431.36	143.51	84.86	38.93	8.29	1.91	6.07	0.00	
18	0.00	2.47	0.51	3.10	253.12	205.66	80.22	31.65	6.78	1.91	4.74	0.00	
19	0.00	2.28	0.46	6.78	109.53	236.89	52.91	72.99	6.78	1.73	2.68	0.00	
20	0.00	6.07	0.41	2.68	52.91	130.92	49.80	44.09	5.39	1.56	2.68	0.00	
21	0.00	328.22	0.41	59.33	52.91	470.44	41.48	44.09	6.07	4.74	2.68	0.00	
22	0.00	810.26	0.36	143.51	792.77	137.16	41.48	38.93	6.07	6.07	2.68	0.00	
23	0.00	137.16	0.41	457.27	444.25	156.54	49.80	27.12	6.78	6.07	2.68	0.00	
24	0.00	41.48	0.36	228.93	149.97	792.77	56.08	31.65	5.39	3.31	2.47	0.00	
25	0.00	14.03	0.31	104.40	955.28	2428.29	44.09	24.95	6.07	4.12	2.09	0.00	
26	0.00	8.29	0.23	38.93	1104.17	1450.14	38.93	27.12	5.39	6.07	2.09	0.00	
27	0.00	4.12	0.23	15.19	418.62	1297.54	38.93	36.44	4.74	9.08	2.09	0.00	
28	0.00	3.10	0.23	10.76	198.12	741.17	36.44	31.65	3.10	14.03	2.09	0.00	
29	0.00	2.28	0.23	3.31	114.74	328.22	41.48	22.86	2.47	29.35		0.00	
30	0.00	2.28	0.27	3.54	62.65	431.36	49.80	22.86	1.91	56.08		0.00	
31		5.39		36.44	52.91		46.76		1.91	41.48		0.00	
Total	0.00	1442.31	38.89	1562.53	10345.63	15631.18	10188.57	1043.02	369.12	221.05	85.98	2.09	40930.37 Tonday
Mean	0.00	46.53	1.30	50.40	333.73	521.04	328.66	34.77	11.91	7.13	3.07	0.07	112.14 Ton/day
Max	0.00	810.26	9.91	457.27	1322.79	2428.29	3396.10	72.99	27.12	56.08	6.78	2.09	3396.10 Ton/day
Min	0.00	0.00	0.23	0.12	49.80	12.90	36.44	22.86	1.91	1.56	2.09	0.00	0.00 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Khlong Khlung at Ban Sam Ruean , Kamphaeng Phet (P.78)**

Lat 16 - 10 - 54 N Long 99 - 35 - 54 E

Location : on left bank at Ban Sam Ruean.

	Ban Sam Ruean	Amphoe Khlong Khlung	Changwat Kamphaeng Phet
Drainage Area	1,109 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2002-Cont'd		
Actual Measurement	2002-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.9433		
Remarks	Continued Sediment Station		

$$QS = 5.2759 QW^{1.24490}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.34	7.31	52.17	76.63	42.46	206.98	2240.13	44.05	45.65	0.89	0.10	0.00	
2	2.34	7.31	48.89	55.80	52.17	195.68	2085.70	37.77	42.46	0.71	0.04	0.00	
3	2.56	7.31	44.05	48.89	63.20	171.65	1925.94	28.90	37.77	0.62	0.00	0.00	
4	2.56	7.74	42.46	39.32	80.54	158.72	1754.32	20.71	33.75	0.54	0.00	0.00	
5	2.79	8.16	40.89	27.71	109.15	158.72	1653.43	15.69	28.90	0.54	0.00	0.00	
6	2.79	8.60	40.89	19.01	156.16	151.06	1556.55	13.76	25.36	0.46	0.00	0.00	
7	3.03	8.60	40.89	11.88	201.31	146.00	1435.66	12.50	20.71	0.38	0.00	0.00	
8	3.26	8.60	84.49	7.74	153.61	143.48	1342.67	11.27	15.69	0.38	0.00	0.00	
9	3.26	9.03	74.63	5.28	176.88	135.97	1188.27	10.06	12.50	0.30	0.00	0.00	
10	3.51	9.47	40.89	3.26	148.52	133.48	1055.76	9.47	11.88	0.23	0.00	0.00	
11	3.51	11.27	44.05	2.34	116.35	128.54	982.15	8.60	10.06	0.23	0.00	0.00	
12	3.75	12.50	54.03	2.34	95.04	140.97	891.19	7.74	9.03	0.23	0.00	0.00	
13	3.75	12.50	68.93	2.12	82.45	158.72	804.14	6.90	7.74	0.23	0.00	0.00	
14	4.00	14.40	80.54	2.12	78.52	190.08	703.40	5.28	5.67	0.23	0.00	0.00	
15	4.25	16.51	99.70	3.51	90.42	215.53	599.75	4.25	4.76	0.23	0.00	0.00	
16	4.25	19.86	118.77	6.08	80.54	247.44	533.18	3.51	4.00	0.23	0.00	0.00	
17	4.50	24.21	59.48	9.47	76.63	290.13	479.03	3.26	2.79	0.23	0.00	0.00	
18	4.76	30.10	45.65	13.76	74.63	326.68	427.93	3.03	2.12	0.23	0.00	0.00	
19	4.76	36.22	40.89	19.86	70.78	386.85	386.85	2.79	1.28	0.16	0.00	0.00	
20	4.76	44.05	40.89	24.21	66.97	496.96	364.05	2.56	0.89	0.16	0.00	0.00	
21	5.01	55.80	40.89	39.32	63.20	589.77	319.30	2.34	0.89	0.16	0.00	0.00	
22	5.28	76.63	40.89	55.80	59.48	742.13	257.99	2.12	0.89	0.16	0.00	0.00	
23	5.67	106.77	40.89	48.89	70.78	916.48	218.39	1.90	0.89	0.16	0.00	0.00	
24	5.67	126.08	40.89	47.27	84.49	1271.57	174.26	1.69	0.89	0.16	0.00	0.00	
25	6.08	133.48	40.89	45.65	95.04	1975.33	128.54	1.48	0.89	0.16	0.00	0.00	
26	6.48	121.20	52.17	45.65	113.94	2435.70	95.04	1.28	1.08	0.16	0.00	0.00	
27	6.90	111.54	109.15	45.65	126.08	2798.17	76.63	1.08	1.08	0.16	0.00	0.00	
28	6.90	92.72	268.62	44.05	140.97	2391.86	66.97	1.28	1.08	0.16	0.00	0.00	
29	7.31	80.54	466.15	44.05	171.65	2304.67	55.80	26.53	1.08	0.16		0.00	
30	7.31	68.93	334.09	42.46	201.31	2272.14	47.27	15.04	1.08	0.16		0.00	
31		57.69		40.89	215.53		45.65		1.08	0.16		0.00	
Total	133.34	1335.13	2597.81	881.01	3358.80	21881.46	23895.94	306.84	333.94	8.97	0.14	0.00	54733.38 Tonday
Mean	4.44	43.07	86.59	28.42	108.35	729.38	770.84	10.23	10.77	0.29	0.01	0.00	149.95 Ton/day
Max	7.31	133.48	466.15	76.63	215.53	2798.17	2240.13	44.05	45.65	0.89	0.10	0.00	2798.17 Ton/day
Min	2.34	7.31	40.89	2.12	42.46	128.54	45.65	1.08	0.89	0.16	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Kuang at Ban Mae Wan , Chiang Mai (P.79)**

Lat 18 - 57 - 53 N Long 99 - 14 - 13 E

Location : on left bank at the bridge on road.

	Ban Mae Wan	Amphoe Doi Saket	Changwat Chiang Mai
Drainge Area	135 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2006-Cont'd		
Actual Measurement	2006-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	30		
R-Square	0.7894		
Remarks	Continued Sediment Station		

$$QS = 1.2984 QW^{2.05550}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.11	0.95	5.07	2.67	10.15	8.47	41.42	5.07	2.99	2.99	1.30	0.18	
2	0.14	0.95	4.50	7.72	9.26	7.00	32.36	5.07	2.99	2.99	1.30	0.01	
3	0.08	1.14	4.50	1.82	7.72	10.15	21.75	5.68	2.99	2.99	1.30	0.01	
4	0.06	1.14	4.50	1.35	7.00	10.15	23.37	2.99	2.99	2.23	1.30	0.01	
5	0.08	1.35	4.50	0.95	12.08	11.10	18.90	2.99	2.99	2.23	1.30	0.01	
6	5.07	2.67	4.50	1.14	181.49	10.15	15.30	2.59	2.99	2.23	1.30	0.01	
7	0.95	1.35	4.50	1.35	47.47	9.26	13.11	2.59	2.99	2.23	1.30	0.01	
8	0.95	1.58	4.50	1.35	189.68	13.11	9.26	2.59	2.99	1.89	1.30	0.01	
9	0.95	2.09	3.96	5.07	255.00	84.16	10.15	2.59	2.99	1.89	1.30	0.01	
10	0.95	1.82		13.11	64.38	84.16	15.30	2.59	2.99	1.89	1.30	0.01	
11	0.95	1.82	2.67	9.26	57.26	75.96	34.34	2.59	2.99	1.89	1.30	0.01	
12	0.95	1.35	2.67	36.37	439.13	695.37	14.18	2.59	2.99	1.89	1.30	0.01	
13	0.95	1.58	2.67	23.37	106.41	332.12	10.15	2.59	2.99	1.58	2.59	0.01	
14	0.95	1.58	2.99	12.08	41.42	116.11	9.26	2.59	2.99	1.58	2.59	0.01	
15	0.95	1.58	3.46	7.72	44.31	84.16	7.72	2.59	2.99	1.58	2.59	0.01	
16	0.95	3.46	1.35	4.50	265.15	44.31	7.00	3.63	2.99	1.58	2.59	0.01	
17	0.95	3.96	1.14	10.15	30.44	21.75	5.68	2.99	2.99	1.58	2.99	0.01	
18	1.35	1.82	1.35	5.68	14.18	18.90	5.68	2.99	2.99	1.58	2.99	0.01	
19	1.82	2.99	0.95	8.47	10.15	36.37	3.96	2.99	2.99	1.30	2.99	0.01	
20	0.78	5.68	0.95	8.47	7.72	44.31	3.96	2.99	2.99	1.30	2.99	0.01	
21	0.95	5.68	0.95	5.07	20.19	75.96	3.96	2.99	2.99	1.30	2.99	0.01	
22	1.14	136.25	0.95	7.00	275.49	32.36	8.47	2.99	2.99	1.30	2.99	0.01	
23	0.95	36.37	0.95	15.30	21.75	36.37	16.46	2.99	2.99	1.30	2.99	0.01	
24	1.14	13.11	0.95	25.05	11.10	36.37	8.47	2.99	2.99	1.30	2.99	0.01	
25	1.14	7.72	0.95	9.26	18.90	150.59	7.00	2.99	2.99	1.30	2.99	0.01	
26	0.95	6.32	0.95	7.00	28.58	101.84	5.07	2.99	2.99	1.30	2.99	0.01	
27	0.95	5.68	0.95	5.07	41.42	50.57	5.07	2.99	2.99	1.30	2.99	0.01	
28	0.95	5.68	0.95	4.50	116.11	30.44	5.68	2.99	2.99	1.30	2.99	0.01	
29	0.95	5.07	0.78	4.50	17.66	21.75	5.07	2.99	2.99	1.30		0.01	
30	0.95	4.50	0.78	5.07	12.08	21.75	5.07	2.99	2.99	1.30		0.01	
31		4.50		17.66	9.26		5.07		2.99	1.30		0.01	
Total	30.01	271.74	69.89	268.08	2372.94	2275.07	378.24	93.19	92.69	53.72	61.84	0.48	5967.89 Tonday
Mean	1.00	8.77	2.41	8.65	76.55	75.84	12.20	3.11	2.99	1.73	2.21	0.02	16.40 Ton/day
Max	5.07	136.25	5.07	36.37	439.13	695.37	41.42	5.68	2.99	2.99	2.99	0.18	695.37 Ton/day
Min	0.06	0.95	0.78	0.95	7.00	7.00	3.96	2.59	2.99	1.30	1.30	0.01	0.01 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Lai at Ban Pong Din , Chiang Mai (P.80)**

Lat 18 - 54 - 56 N Long 99 - 14 - 07 E

Location : on left bank at the bridge on road.

	Ban Pong Din	Amphoe Doi Saket	Changwat Chiang Mai
Drainage Area	135 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2006-Cont'd		
Actual Measurement	2006-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	29		
R-Square	0.7577		
Remarks	Continued Sediment Station		

$$QS = 2.3059 QW^{1.53430}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.76	1.58	11.32	1.05	8.83	8.06	21.62	5.20	3.78	3.45	1.96	4.47	
2	7.30	1.76	8.06	0.90	23.97	7.30	21.62	5.20	5.20	3.45	1.96	4.47	
3	17.16	1.58	3.45	1.96	8.83	8.06	15.08	5.20	5.20	2.82	1.96	4.47	
4	8.83	1.58	3.45	1.22	6.58	5.20	20.47	5.20	5.20	1.96	1.96	4.47	
5	3.45	1.58	2.82	3.13	4.47	4.47	23.97	5.20	5.20	1.96	1.96	4.12	
6	3.45	1.58	3.45	3.45	4.83	12.19	22.78	5.20	5.20	1.96	1.96	4.12	
7	3.45	1.58	13.08	2.82	14.07	13.08	19.35	5.20	5.20	1.58	1.96	4.12	
8	3.45	1.58	7.30	1.39	55.18	16.11	20.47	5.20	5.20	1.58	1.96	4.12	
9	3.45	1.58	3.45	1.39	40.55	38.84	18.24	5.20	5.20	1.05	1.96	4.12	
10	3.45	13.08	3.45	14.07	20.47	109.77	16.11	5.20	5.20	1.05	1.96	4.12	
11	3.45	23.97	3.45	15.08	40.55	86.29	18.24	5.20	5.20	1.05	1.76	4.12	
12	3.45	32.60	3.13	22.78	168.57	120.82	15.08	5.20	5.20	1.05	1.39	4.12	
13	3.45	21.62	1.96	8.06	61.27	53.26	13.08	5.20	5.20	1.05	1.39	4.12	
14	3.45	16.11	1.96	6.58	28.17	53.26	17.16	5.88	5.20	1.05	1.39	4.12	
15	3.45	13.08	1.96	11.32	28.17	49.51	22.78	7.30	4.83	1.05	1.39	4.12	
16	3.45	12.19	1.76	8.83	44.06	47.67	21.62	8.83	4.83	0.48	1.39	4.12	
17	3.45	11.32	1.58	7.30	28.17	40.55	20.47	9.64	4.83	0.36	2.52	4.12	
18	3.13	18.24	1.58	7.30	22.78	32.60	14.07	10.46	4.47	0.36	12.19	4.12	
19	1.58	8.83	1.58	6.58	13.08	23.97	12.19	8.83	4.47	0.29	8.83	4.47	
20	1.58	7.30	1.39	22.78	16.11	20.47	9.64	8.83	4.47	0.29	8.83	4.47	
21	1.58	10.46	0.75	8.06	63.39	18.24	9.64	8.83	3.78	0.29	8.83	4.47	
22	1.58	55.18	0.36	5.88	368.42	16.11	9.64	7.30	3.78	0.29	8.83	4.47	
23	1.58	18.24	0.36	10.46	45.85	34.12	9.64	5.88	3.78	0.29	7.30	4.47	
24	1.58	25.34	0.36	28.17	31.10	55.18	8.06	5.20	3.78	0.29	7.30	4.47	
25	1.58	23.97	0.36	11.32	63.39	86.29	9.64	5.20	3.78	0.29	7.30	4.47	
26	1.58	11.32	0.36	5.20	126.48	51.38	8.83	5.20	3.78	0.29	7.30	4.47	
27	1.58	4.12	0.29	4.83	42.30	38.84	8.83	5.20	3.78	0.29	5.88	4.47	
28	1.58	3.45	0.29	2.24	69.90	34.12	8.83	5.20	3.45	0.29	4.47	4.12	
29	1.58	3.45	0.29	1.96	42.30	26.74	6.58	4.83	3.45	0.29		3.45	
30	1.58	3.45	0.36	2.52	13.08	19.35	5.20	3.45	3.45	0.36		3.45	
31		3.45		21.62	10.46		5.20		3.45	1.96		3.45	
Total	101.99	355.17	83.96	250.25	1515.38	1131.85	454.13	183.66	139.54	32.82	117.89	130.26	4496.90 Tonday
Mean	3.40	11.46	2.80	8.07	48.88	37.73	14.65	6.12	4.50	1.06	4.21	4.20	12.32 Ton/day
Max	17.16	55.18	13.08	28.17	368.42	120.82	23.97	10.46	5.20	3.45	12.19	4.47	368.42 Ton/day
Min	1.58	1.58	0.29	0.90	4.47	4.47	5.20	3.45	3.45	0.29	1.39	3.45	0.29 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Wang at Ban Sop Win , Chiang Mai (P.82)**

Lat 18 - 39 - 18 N Long 98 - 41 - 06 E

Location : on left bank at Ban Sop Win.

	Ban Sop Win	Amphoe Mae Wang	Changwat Chiang Mai
Drainage Area	391 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2006-Cont'd		
Actual Measurement	2006-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	31		
R-Square	0.9056		
Remarks	Continued Sediment Station		

$$QS = 1.0894 QW^{1.79820}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.70	2.92	22.30	7.12	27.98	22.30	1516.28	43.79	45.83	12.47	6.50	6.50	
2	2.65	7.12	9.12	7.76	19.68	20.97	825.73	39.83	34.21	11.56	5.91	6.50	
3	4.28	7.76	5.91	3.49	29.48	27.98	1174.72	37.92	23.67	10.69	5.91	6.50	
4	2.15	3.20	4.80	3.20	37.92	45.83	782.75	36.04	19.68	10.69	5.91	6.50	
5	1.70	2.65	4.80	4.80	27.98	27.98	428.73	34.21	19.68	11.56	5.91	5.91	
6	1.29	2.92	3.79	6.50	47.91	20.97	237.85	34.21	19.68	9.84	5.34	5.91	
7	3.79	39.83	3.49	13.41	89.25	39.83	161.18	34.21	19.68	9.84	5.34	6.50	
8	11.56	5.91	3.49	7.76	127.95	29.48	148.10	32.60	18.56	9.12	4.80	5.34	
9	7.76	18.56	3.20	9.12	174.93	165.70	120.25	31.03	18.56	9.12	4.28	5.91	
10	2.92	12.47	2.92	13.41	124.07	1275.24	492.98	27.98	18.56	9.12	4.28	5.91	
11	2.40	31.03	2.65	18.56	54.39	592.88	455.78	27.98	17.48	9.12	3.79	5.91	
12	2.15	15.39	2.40	17.48	116.49	290.71	174.93	27.98	17.48	9.12	3.79	5.34	
13	1.92	6.50	2.15	14.39	86.09	305.37	124.07	26.51	16.42	9.12	3.79	9.12	
14	1.49	3.79	1.92	82.98	50.03	914.75	170.29	26.51	16.42	9.12	3.49	7.76	
15	1.17	2.65	2.92	39.83	50.03	184.37	131.87	31.03	16.42	8.43	3.49	7.12	
16	1.05	3.79	2.65	29.48	45.83	112.77	89.25	66.62	15.39	7.76	7.76	7.76	
17	0.94	16.42	2.65	17.48	56.75	139.88	82.98	47.91	15.39	7.76	7.12	7.76	
18	1.92	92.46	2.92	9.12	112.77	102.39	71.81	45.83	19.68	7.76	15.39	6.50	
19	9.84	32.60	2.40	5.91	99.03	86.09	61.60	34.21	17.48	7.76	11.56	6.50	
20	9.12	194.04	2.40	7.12	50.03	59.15	56.75	31.03	15.39	7.76	9.12	8.43	
21	4.28	2630.80	2.40	47.91	36.04	59.15	54.39	31.03	14.39	7.76	9.12	6.50	
22	2.65	276.37	2.15	112.77	29.48	50.03	54.39	26.51	14.39	7.76	9.12	5.34	
23	2.15	74.47	2.15	77.18	69.19	127.95	109.26	25.07	14.39	7.76	7.76	4.28	
24	1.29	39.83	2.15	109.26	77.18	127.95	66.62	23.67	14.39	7.12	7.76	4.28	
25	1.29	26.51	2.15	34.21	41.79	1115.84	54.39	25.07	13.41	6.50	7.76	3.79	
26	1.05	15.39	3.20	18.56	43.79	677.55	50.03	27.98	12.47	6.50	6.50	3.79	
27	0.94	9.84	3.79	12.47	64.08	492.98	47.91	41.79	12.47	6.50	6.50	3.79	
28	1.29	7.76	3.79	9.84	56.75	179.62	47.91	36.04	12.47	6.50	7.12	3.49	
29	2.15	5.91	2.92	8.43	39.83	112.77	92.46	39.83	12.47	6.50		3.49	
30	7.76	7.12	2.65	9.12	41.79	124.07	52.19	29.48	12.47	6.50		3.49	
31		9.12		27.98	27.98		43.79		12.47	6.50		3.49	
Total	96.65	3605.13	116.23	786.65	1956.49	7532.55	7981.24	1023.90	551.45	263.62	185.12	179.41	24278.44 Tonday
Mean	3.22	116.29	3.87	25.38	63.11	251.08	257.46	34.13	17.79	8.50	6.61	5.79	66.52 Ton/day
Max	11.56	2630.80	22.30	112.77	174.93	1275.24	1516.28	66.62	45.83	12.47	15.39	9.12	2630.80 Ton/day
Min	0.94	2.65	1.92	3.20	19.68	20.97	43.79	23.67	12.47	6.50	3.49	3.49	0.94 Ton/day

WATER YEAR : 2022

PING RIVER BASIN

Nam Mae Wang at Ban Phan Ton , Chiang Mai (P.84)

Lat 18 - 35 - 29 N Long 98 - 47 - 48 E

Location : on left bank at Ban Phan Ton.

	Ban Phan Ton	Amphoe Mae Wang	Changwat Chiang Mai
Drainge Area	455 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2005-Cont'd		
Actual Measurement	2005-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	30		
R-Square	0.9028		
Remarks	Continued Sediment Station		

$$QS = 2.5923 QW^{1.66110}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.43	1.86	11.72	1.30	13.83	13.25	1447.03	25.93	22.98	4.86	1.05	0.61	
2	3.27	5.20	3.51	1.43	10.79	10.34	870.12	25.93	22.98	4.86	0.82	0.66	
3	2.38	7.40	4.27	0.93	12.19	13.25	1091.10	26.79	12.68	4.53	0.77	0.61	
4	2.02	2.02	4.27	0.77	22.27	22.27	748.23	25.18	12.19	4.53	0.71	0.61	
5	2.02	1.86	4.27	0.82	15.02	16.26	427.25	21.56	11.72	4.27	0.71	0.66	
6	2.38	1.43	4.27	1.05	23.71	11.25	201.13	20.87	12.19	4.01	0.66	0.71	
7	7.79	38.44	4.27	2.18	56.02	19.50	150.92	17.53	9.90	3.27	0.71	0.61	
8	9.46	12.19	4.27	1.43	98.07	12.19	136.45	18.18	9.90	3.04	0.66	0.29	
9	4.86	17.53	4.27	1.72	124.37	107.95	110.62	17.53	9.03	3.04	0.61	0.29	
10	2.38	7.79	4.27	3.76	98.07	1025.14	395.87	15.64	8.61	2.81	0.77	0.31	
11	1.43	16.89	4.27	7.40	40.73	542.09	408.37	15.02	8.20	3.04	0.77	0.28	
12	1.86	11.25	3.04	7.40	64.44	275.13	158.37	15.02	7.40	3.04	0.61	0.26	
13	1.57	7.40	1.17	5.20	73.99	140.01	110.62	14.42	7.01	2.81	0.61	0.52	
14	1.30	5.90	0.77	38.44	33.18	607.48	124.37	14.42	7.01	1.86	0.61	0.71	
15	1.30	4.53	0.71	18.18	31.30	150.92	132.92	14.42	7.01	2.02	0.61	0.33	
16	1.30	3.04	0.82	14.42	36.20	91.04	77.95	43.08	7.01	1.86	2.59	0.33	
17	1.30	4.01	0.82	6.63	64.44	93.36	73.99	21.56	6.26	1.86	2.38	0.47	
18	1.30	24.44	1.17	2.81	72.04	95.70	59.27	32.23	7.01	2.02	3.76	0.35	
19	18.18	73.99	1.43	1.30	32.23	66.31	51.27	18.18	8.20	2.38	1.72	0.33	
20	10.79	140.01	1.43	1.30	23.71	45.48	45.48	16.26	7.01	2.59	1.17	0.57	
21	4.01	2650.56	1.30	19.50	20.87	41.90	43.08	18.18	6.26	2.02	1.05	0.47	
22	2.81	468.40	0.82	51.27	26.79	37.31	43.08	13.83	5.90	2.38	0.93	0.35	
23	2.02	62.60	0.77	29.46	68.20	95.70	73.99	12.19	5.90	2.18	0.82	0.31	
24	2.02	38.44	0.77	68.20	27.67	91.04	54.42	12.19	5.54	2.02	0.71	0.29	
25	1.86	15.64	0.82	17.53	24.44	893.34	38.44	12.68	5.54	1.05	0.66	0.28	
26	1.30	11.72	0.93	7.79	36.20	666.37	35.10	12.68	5.54	1.57	0.52	0.28	
27	1.30	9.46	0.82	4.86	40.73	482.79	33.18	20.87	5.20	1.86	0.57	0.28	
28	1.30	7.40	0.93	3.76	29.46	150.92	33.18	18.18	4.53	1.43	0.61	0.26	
29	1.30	5.54	0.93	1.72	29.46	100.46	64.44	19.50	4.86	1.17		0.26	
30	1.57	3.76	1.30	3.27	18.84	100.46	34.13	15.02	4.86	1.30		0.28	
31		6.63		6.26	13.25		28.56		4.86	0.93		0.28	
Total	97.81	3667.33	74.41	332.09	1282.51	6019.21	7302.93	575.07	263.29	80.61	28.17	12.85	19736.28 Tonday
Mean	3.26	118.30	2.48	10.71	41.37	200.64	235.58	19.17	8.49	2.60	1.01	0.41	54.07 Ton/day
Max	18.18	2650.56	11.72	68.20	124.37	1025.14	1447.03	43.08	22.98	4.86	3.76	0.71	2650.56 Ton/day
Min	1.30	1.43	0.71	0.77	10.79	10.34	28.56	12.19	4.53	0.93	0.52	0.26	0.26 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Taeng at Ban Mueang Kud, Chiang Mai (P.92)**

Lat 19 - 13 - 17 N Long 98 - 50 - 55 E

Location : on left bank at Ban Mueang Kud.

	Ban	Mueang Kud	Amphoe	Mae Taeng	Changwat	Chiang Mai
Drainage Area	1,803	sq.km.				
Method of sampling	Depth	Integrating				
Instrument Used	US.D-49					
Period of Available Records	2011-Cont'd					
Actual Measurement	2011-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	30					
R-Square	0.9312					
Remarks	Continued Sediment Station					

$$QS = 1.8405 QW^{1.81990}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	43.71	96.14	189.98	199.28	854.65	1302.03	6038.39	218.48	68.91	11.83	2.19	1.84	
2	83.97	96.14	96.14	804.72	713.36	1402.23	28804.88	259.23	72.55	10.99	2.56	2.97	
3	208.78	76.27	65.35	427.66	804.72	734.62	21912.53	238.46	61.88	9.40	1.52	2.56	
4	126.93	55.51	46.54	269.91	905.92	611.33	6442.74	180.88	55.51	9.40	2.19	2.56	
5	92.00	46.54	49.45	134.01	1067.77	442.59	4990.69	156.29	46.54	8.65	1.84	2.56	
6	68.91	52.44	52.44	87.94	2210.37	384.62	3331.90	141.27	43.71	7.92	1.31	2.56	
7	113.30	281.75	52.44	171.99	1992.34	398.49	2442.81	134.01	43.71	7.92	1.12	2.56	
8	141.27	92.00	52.44	611.33	4349.92	293.82	2165.62	126.93	40.96	6.56	1.31	2.56	
9	83.97	412.96	46.54	412.96	7349.75	905.92	1722.71	120.03	38.29	6.56	2.56	2.56	
10	68.91	344.36	46.54	780.52	5758.61	1040.26	1722.71	134.01	38.29	6.56	2.97	2.56	
11	61.88	1182.29	43.71	1040.26	5583.69	2442.81	2120.49	126.93	35.70	7.22	2.97	2.56	
12	58.66	591.78	43.71	520.70	6102.81	4826.78	2348.75	126.93	33.19	5.92	2.97	2.56	
13	49.45	134.01	43.71	488.77	2687.46	5325.87	1212.05	120.03	33.19	5.36	2.56	2.56	
14	52.44	68.91	43.71	985.63	4195.95	6429.51	1212.05	106.74	30.89	4.83	2.56	4.33	
15	58.66	43.71	52.44	692.39	2210.37	6429.51	1797.95	106.74	28.66	4.83	2.56	4.33	
16	49.45	33.19	58.66	880.39	1505.75	5073.56	958.54	113.30	28.66	4.83	3.40	3.85	
17	24.42	30.89	49.45	537.00	1722.71	3814.67	804.72	141.27	28.66	5.92	26.50	4.33	
18	15.20	43.71	65.35	344.36	1648.93	2734.95	692.39	208.78	26.50	5.36	18.65	2.97	
19	100.36	281.75	52.44	269.91	1096.21	2442.81	591.78	164.05	20.50	4.83	5.92	2.56	
20	120.03	357.56	52.44	248.75	804.72	2348.75	520.70	120.03	16.89	3.85	3.40	5.92	
21	189.98	4826.78	33.19	412.96	804.72	3509.99	473.15	113.30	16.89	3.85	2.56	4.83	
22	87.94	4067.04	26.50	1153.47	1124.38	2835.63	442.59	96.14	20.50	3.40	1.84	4.83	
23	65.35	1182.29	24.42	1096.21	804.72	2210.37	473.15	100.36	15.20	2.97	1.52	4.33	
24	55.51	631.17	22.42	1505.75	611.33	2442.81	398.49	87.94	16.89	2.97	1.31	3.85	
25	68.91	611.33	22.42	1012.49	504.62	2635.92	344.36	87.94	13.59	2.97	1.12	3.40	
26	55.51	344.36	24.42	537.00	1402.23	3101.59	331.39	80.08	16.89	2.97	1.12	3.40	
27	65.35	218.48	40.96	344.36	2348.75	2684.79	457.76	83.97	13.59	2.56	1.12	2.97	
28	61.88	148.69	55.51	248.75	1685.64	1722.71	331.39	76.27	11.83	2.19	1.12	1.52	
29	68.91	120.03	49.45	269.91	1012.49	1335.06	293.82	76.27	11.83	2.19		1.31	
30	55.51	96.14	68.91	306.12	958.54	1153.47	259.23	65.35	11.83	2.56		1.31	
31		189.98		442.59	692.39		228.37		11.83	2.19		0.94	
Total	2397.15	16758.20	1571.68	17238.09	65515.82	73017.47	95868.10	3912.01	954.06	169.56	102.77	93.95	277598.86 Ton/day
Mean	79.91	540.59	52.39	556.07	2113.41	2433.92	3092.52	130.40	30.78	5.47	3.67	3.03	760.54 Ton/day
Max	208.78	4826.78	189.98	1505.75	7349.75	6429.51	28804.88	259.23	72.55	11.83	26.50	5.92	28804.88 Ton/day
Min	15.20	30.89	22.42	87.94	504.62	293.82	228.37	65.35	11.83	2.19	1.12	0.94	0.94 Ton/day

WATER YEAR : 2022**PING RIVER BASIN****Nam Mae Taeng at Ban Huai Pa Cang, Chiang Mai (P.92A)**

Lat 19 - 10 - 45 N Long 98 - 54 - 59 E

Location : on left bank at Ban Huai Pa Cang.

	Ban Huai Pa Cang	Amphoe Mae Taeng	Changwat Chiang Mai
Drainage Area	1,873 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2017-Cont'd		
Actual Measurement	2017-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	30		
R-Square	0.9174		
Remarks	Continued Sediment Station		

$$QS = 2.0285 QW^{1.78150}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.38	22.71	98.07	143.00	390.26	718.27	1587.94	507.81	117.24	23.97	6.36	7.61	
2	22.71	74.52	49.52	340.55	416.04	817.40	22231.94	518.87	101.66	21.88	6.36	7.61	
3	129.96	52.04	40.38	332.39	390.26	878.63	29422.94	488.82	87.06	16.11	6.36	6.36	
4	68.31	36.70	33.17	168.46	433.75	632.86	12062.92	461.12	87.06	14.36	6.97	5.22	
5	33.17	26.60	33.17	117.46	563.27	507.81	4192.12	461.12	77.89	14.36	7.61	5.22	
6	29.81	26.60	33.17	117.46	1195.57	451.79	3219.38	451.79	61.70	14.36	6.97	5.22	
7	38.52	238.94	33.17	390.26	1910.13	451.79	2523.39	407.49	61.70	14.36	6.97	5.22	
8	68.31	38.52	34.92	416.04	3908.44	529.61	1987.31	373.36	61.70	14.36	6.97	5.22	
9	36.70	94.53	40.38	398.65	3711.17	705.98	1566.50	381.59	61.70	14.36	6.97	4.18	
10	29.81	195.73	33.17	718.27	4192.12	1056.92	1544.52	407.49	61.70	13.52	7.61	4.18	
11	23.87	390.26	33.17	416.04	3988.60	1480.72	1766.84	407.49	61.70	13.52	7.61	4.18	
12	21.57	301.90	33.17	340.55	3711.17	3672.25	2623.03	356.79	61.70	13.52	6.36	4.18	
13	33.17	68.31	33.17	540.87	14130.11	3633.52	1341.66	324.65	58.50	11.90	5.78	4.18	
14	28.18	38.52	29.81	563.27	2827.39	3988.60	1360.44	316.98	49.37	11.90	6.36	5.22	
15	19.38	34.92	40.38	488.82	1286.01	5341.81	1676.34	324.65	49.37	11.90	6.36	7.61	
16	19.38	40.38	36.70	272.71	1195.57	4862.03	1125.31	340.55	49.37	11.90	11.13	8.26	
17	19.38	36.70	33.17	195.73	1438.63	3404.90	1040.12	398.65	49.37	10.38	58.50	10.38	
18	17.29	91.05	33.17	138.59	1323.00	2393.16	1023.43	461.12	49.37	10.38	64.97	8.95	
19	84.26	152.97	33.17	129.96	941.79	2172.59	894.24	442.92	49.37	10.38	33.17	8.26	
20	74.52	644.58	33.17	201.67	731.13	1884.70	909.97	373.36	49.37	10.38	23.97	12.70	
21	109.43	3330.14	28.18	461.12	597.41	2457.90	863.14	356.79	46.48	10.38	23.97	6.36	
22	74.52	957.88	22.71	529.61	586.07	2145.68	758.12	332.39	38.26	10.38	23.97	6.36	
23	31.47	390.26	19.38	894.24	731.13	1631.88	758.12	309.40	33.17	10.38	21.88	5.78	
24	23.87	332.39	19.38	597.41	731.13	1961.44	693.32	251.97	23.97	10.38	14.36	4.18	
25	20.47	168.46	19.38	324.65	563.27	2758.52	620.80	251.97	23.97	10.38	10.38	4.18	
26	23.87	105.52	21.57	179.16	1501.64	2690.40	632.86	139.52	23.97	11.90	10.38	4.18	
27	20.47	74.52	33.17	113.41	4110.18	2337.15	644.58	139.52	23.97	11.90	9.65	4.18	
28	23.87	49.52	33.17	163.23	2393.16	1587.94	693.32	139.52	23.97	11.90	7.61	4.18	
29	19.38	49.52	33.17	226.21	1040.12	1286.01	597.41	139.52	23.97	8.95		4.18	
30	19.38	91.05	33.17	168.46	1040.12	1160.21	540.87	139.52	23.97	6.36		4.18	
31		272.71		201.67	597.41		498.48		23.97	6.36		4.18	
Total	1184.41	8428.45	1031.48	10289.92	62576.05	59602.47	101401.36	10406.74	1616.57	387.07	415.56	181.90	257521.98 Ton/day
Mean	39.48	271.89	34.38	331.93	2018.58	1986.75	3271.01	346.89	52.15	12.49	14.84	5.87	705.54 Ton/day
Max	129.96	3330.14	98.07	894.24	14130.11	5341.81	29422.94	518.87	117.24	23.97	64.97	12.70	29422.94 Ton/day
Min	17.29	22.71	19.38	113.41	390.26	451.79	498.48	139.52	23.97	6.36	5.78	4.18	4.18 Ton/day

WATER YEAR : 2022**WANG RIVER BASIN****Wang River at Setuwaree Bridge , Lampang (W.1C)**

Lat 18 - 17 - 59 N Long 99 - 30 - 40 E

Location : on left bank at the bridge.

	Ban Setuwaree Bridge	Amphoe Mueang	Changwat Lampang
Drainage Area	3,434 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1996-Cont'd		
Actual Measurement	1996-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	25		
R-Square	0.7245		
Remarks	Continued Sediment Station		

$$QS = 0.7156 QW^{0.59050}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.34	2.53	5.49	4.90	7.75	4.15	15.45	3.20	2.01	0.69	4.62	5.80	
2	2.22	2.34	6.27	3.04	7.90	4.26	14.51	2.64	1.55	1.69	4.73	5.70	
3	2.06	2.46	8.11	2.37	8.33	8.33	9.44	2.30	1.09	0.59	3.72	5.70	
4	1.37	1.92	6.10	2.61	8.27	9.22	6.77	2.01	1.45	0.62	3.96	5.63	
5	2.49	2.10	4.44	2.68	7.64	7.39	6.77	1.56	1.88	0.69	4.62	5.70	
6	1.79	2.18	4.38	2.83	5.83	5.72	7.24	1.34	2.07	0.94	4.66	5.77	
7	1.30	2.42	4.32	2.68	5.72	3.92	8.38	1.67	2.13	0.84	4.15	4.66	
8	1.88	2.79	4.10	1.94	9.06	3.69	8.75	2.79	2.68	0.94	1.79	1.09	
9	0.87	3.00	4.15	3.75	11.09	4.50	9.44	1.24	2.97	1.29	0.35	0.32	
10	0.69	2.68	3.56	3.37	11.19	6.10	9.44	0.34	2.31	1.40	3.68	4.51	
11	1.24	2.46	2.07	2.68	11.39	8.91	7.34	0.28	2.25	1.23	5.48	5.80	
12	2.18	2.14	1.40	2.01	12.74	14.84	4.90	0.27	2.13	1.40	5.70	5.34	
13	2.83	1.56	1.40	1.88	13.60	19.09	4.32	0.24	2.68	0.78	5.73	4.11	
14	2.97	2.42	1.45	3.24	14.18	21.32	3.50	0.31	2.75	0.59	5.73	5.00	
15	3.20	1.74	1.23	6.27	14.32	22.23	4.04	0.84	1.94	3.88	5.80	6.14	
16	3.14	1.92	1.23	4.56	15.12	21.32	4.38	1.13	1.88	4.84	5.90	6.39	
17	2.90	1.88	1.09	3.37	16.20	19.22	4.56	2.53	1.60	5.15	6.07	5.48	
18	2.97	2.22	0.94	4.21	15.97	18.07	4.84	3.04	1.23	5.11	5.15	4.00	
19	2.86	1.13	0.78	5.66	16.34	12.48	5.12	3.04	1.34	2.34	2.14	3.68	
20	3.68	1.41	0.78	6.60	15.26	6.04	5.61	3.00	1.34	0.31	0.99	3.60	
21	3.84	7.54	0.72	6.77	10.39	5.33	5.33	3.00	1.23	4.55	5.37	3.27	
22	3.04	8.16	2.13	7.18	11.50	5.49	5.44	2.97	1.29	5.04	6.31	3.04	
23	3.52	10.74	4.15	7.90	14.13	8.70	5.83	1.92	1.74	4.23	5.52	2.90	
24	3.10	12.07	3.56	7.80	13.74	13.40	6.50	0.72	1.40	4.11	5.15	3.04	
25	2.83	11.55	4.50	8.06	16.88	17.48	6.38	0.44	0.89	0.33	5.90	3.44	
26	2.86	10.84	4.50	8.43	21.58	20.92	6.04	0.35	1.19	0.65	5.94	3.72	
27	2.79	6.87	4.38	8.38	21.32	21.54	4.96	0.34	2.75	3.96	5.87	3.24	
28	2.86	3.37	2.97	8.06	19.26	20.96	1.97	2.01	2.01	5.90	5.87	3.17	
29	2.72	2.37	5.28	7.08	10.79	19.73	3.52	1.69	0.48	4.62		3.17	
30	2.57	2.61	5.66	6.27	8.59	14.65	3.17	1.69	0.32	3.40		3.56	
31		5.55		7.08	5.83		3.17		0.29	5.30		4.00	
Total	75.11	124.97	101.14	153.66	381.91	369.00	197.11	48.90	52.87	77.41	130.90	130.97	1843.95 Tonday
Mean	2.50	4.03	3.37	4.96	12.32	12.30	6.36	1.63	1.71	2.50	4.68	4.22	5.05 Ton/day
Max	3.84	12.07	8.11	8.43	21.58	22.23	15.45	3.20	2.97	5.90	6.31	6.39	22.23 Ton/day
Min	0.69	1.13	0.72	1.88	5.72	3.69	1.97	0.24	0.29	0.31	0.35	0.32	0.24 Ton/day

WATER YEAR : 2022**WANG RIVER BASIN****Wang River at Ban Don Chai , Lampang (W.3A)**

Lat 17 - 38 - 29 N Long 99 - 13 - 55 E

Location : on right bank about 30 meters upstream from Siriyong Bridge.

	Ban Don Chai	Amphoe Thoen	Changwat Lampang
Drainage Area	8,929 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1997-Cont'd		
Actual Measurement	1997-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	30		
R-Square	0.7697		
Remarks	Continued Sediment Station		

$$QS = 0.1717 QW^{1.72050}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.70	5.70	32.47	1.31	235.90	596.09	8681.93	154.79	26.24	3.91	8.17	4.62	
2	5.70	14.36	20.47	1.47	435.13	403.00	13319.27	132.16	24.33	3.25	6.96	1.47	
3	4.91	10.33	19.18	7.13	410.65	351.15	16427.97	97.34	24.33	2.83	4.87	2.66	
4	4.53	13.24	28.09	11.03	503.31	538.94	15241.75	77.48	23.40	3.04	5.47	3.91	
5	4.16	10.33	152.09	9.65	435.13	630.15	6843.65	65.31	21.67	4.62	4.87	4.14	
6	4.53	8.35	130.73	7.73	387.88	460.21	4512.01	56.34	21.67	4.14	4.38	3.68	
7	4.53	6.55	107.56	8.99	269.35	653.29	2842.68	49.82	20.87	4.87	2.83	3.68	
8	3.14	4.91	75.02	11.03	302.33	566.34	2502.10	48.25	20.08	6.96	3.25	5.47	
9	3.47	7.13	54.52	9.65	676.79	712.68	1918.79	73.33	20.08	7.76	5.47	8.17	
10	3.81	10.33	37.11	8.99	1309.92	2626.12	1554.66	67.28	17.79	9.02	7.76	10.10	
11	3.47	23.16	34.75	30.24	1378.05	6744.17	2261.64	48.25	17.06	13.03	4.87	4.38	
12	3.47	16.69	21.80	37.11	1276.40	8367.42	2261.64	38.52	15.62	13.65	3.04	1.60	
13	2.83	8.99	10.33	21.80	1500.74	14706.79	1098.60	33.53	14.93	8.17	2.18	1.47	
14	2.41	4.91	5.30	16.69	1877.96	15062.54	850.84	31.28	14.28	7.76	3.25	3.46	
15	2.21	4.16	2.83	24.56	1817.42	12730.73	676.79	31.28	13.03	6.57	3.46	5.47	
16	1.65	2.83	2.01	451.79	1959.98	8885.48	630.15	37.25	13.65	3.91	3.04	4.62	
17	1.82	1.01	2.21	403.00	5596.19	6498.14	521.00	39.81	12.42	2.18	3.04	7.76	
18	2.62	1.82	3.47	195.70	5294.72	4472.28	451.79	56.34	11.82	2.18	3.68	13.65	
19	3.47	1.47	2.41	117.93	3633.82	3377.48	395.41	75.39	11.82	3.46	6.96	17.79	
20	3.14	3.81	2.83	162.63	2814.25	1664.87	336.89	77.48	10.10	3.68	18.54	16.33	
21	2.83	75.02	2.41	930.48	2064.56	737.03	309.11	79.59	9.56	11.23	21.67	20.08	
22	3.47	1013.08	1.65	1627.78	1041.26	566.34	275.81	79.59	9.02	5.13	11.82	20.87	
23	9.65	3666.42	0.67	1161.96	2261.64	596.09	264.47	77.48	8.59	4.38	9.56	14.28	
24	16.69	1572.81	0.45	1027.13	3133.53	2022.46	282.35	63.37	7.76	12.42	13.65	9.56	
25	11.75	1326.82	0.57	824.96	2261.64	4712.90	295.60	42.45	7.76	7.76	13.03	6.57	
26	9.65	1027.13	1.47	566.34	7298.82	13832.71	282.35	33.53	6.96	26.24	9.02	4.62	
27	8.99	812.14	0.95	477.26	14354.26	16151.06	254.78	30.24	4.62	14.93	7.76	3.91	
28	6.55	451.79	1.31	410.65	9648.64	11586.96	200.00	30.24	3.91	10.66	6.57	6.20	
29	4.91	179.11	1.16	358.37	5083.67	7401.63	191.44	30.24	5.47	4.87		3.91	
30	4.91	107.56	2.41	269.35	1759.11	5466.13	208.77	29.22	6.57	6.57		2.34	
31		75.02		213.18	1055.48		208.77		5.83	17.79		2.03	
Total	150.97	10466.98	758.23	9405.89	82078.53	153121.18	86103.01	1787.18	431.24	236.97	199.17	218.80	344958.15 Tonday
Mean	5.03	337.64	25.27	303.42	2647.69	5104.04	2777.52	59.57	13.91	7.64	7.11	7.06	945.09 Ton/day
Max	16.69	3666.42	152.09	1627.78	14354.26	16151.06	16427.97	154.79	26.24	26.24	21.67	20.87	16427.97 Ton/day
Min	1.65	1.01	0.45	1.31	235.90	351.15	191.44	29.22	3.91	2.18	2.18	1.47	0.45 Ton/day

WATER YEAR : 2022**WANG RIVER BASIN****Wang River at Ban Hai , Lampang (W.16A)**

Lat 18 - 47 - 07 N Long 99 - 37 - 49 E

Location : on left bank at Ban Hai

	Ban Hai	Amphoe Chae Hom	Changwat Lampang
Drainage Area	1,395 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2000-Cont'd		
Actual Measurement	2000-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	27		
R-Square	0.8135		
Remarks	Continued Sediment Station		

$$QS = 1.0326 QW^{1.40750}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.06	0.03	1.15	7.52	359.86	66.82	43.70	1.66	3.42	7.14	12.20	17.47	
2	0.06	0.03	0.16	9.53	217.14	69.02	15.15	3.60	3.42	7.14	62.49	28.27	
3	0.06	0.03	6.22	9.53	170.86	69.02	10.80	4.18	3.23	7.14	69.02	47.27	
4	0.05	0.03	27.21	9.95	175.34	69.02	52.76	3.42	3.23	7.14	69.02	49.08	
5	0.05	0.03	27.21	17.47	148.96	60.36	91.28	3.42	3.42	7.14	69.02	52.76	
6	0.04	0.03	97.19	37.68	148.96	26.17	112.41	9.12	3.42	6.76	66.82	52.76	
7	0.04	0.03	179.85	14.39	188.98	9.12	112.41	19.21	3.42	6.76	64.65	56.52	
8	0.03	0.04	184.40	6.76	308.75	0.74	118.68	19.21	3.23	6.76	64.65	60.36	
9	0.03	0.04	179.85	0.09	450.71	0.74	115.53	6.49	3.23	6.76	66.82	62.49	
10	0.06	0.04	161.99	0.06	514.45	23.11	94.22	2.07	3.60	6.76	15.91	60.36	
11	141.36	0.04	144.69	0.06	514.45	166.41	36.29	2.07	3.60	6.76	3.60	60.36	
12	231.63	0.04	138.05	0.06	643.78	221.94	27.21	1.79	3.60	6.76	3.42	60.36	
13	198.24	0.05	138.05	0.19	744.25	699.71	27.21	1.93	3.60	6.76	3.42	62.49	
14	198.24	0.05	157.62	40.51	801.01	1173.84	14.39	1.93	3.60	6.76	3.23	62.49	
15	193.60	0.05	125.04	103.20	699.71	1077.51	5.69	1.93	4.18	6.76	3.05	60.36	
16	198.24	0.04	52.76	153.27	710.77	1201.79	52.76	2.36	10.37	6.76	2.88	58.43	
17	118.68	1.66	1.79	265.90	710.77	1344.38	64.65	2.36	10.80	6.76	3.42	60.36	
18	138.05	0.14	0.06	296.33	670.63	957.24	103.20	1.93	11.49	6.76	3.05	64.65	
19	118.68	0.06	0.05	259.98	531.20	221.94	103.20	2.53	11.49	6.76	2.88	66.82	
20	112.41	0.33	0.05	148.96	296.33	40.51	103.20	2.36	11.49	6.76	3.05	69.02	
21	88.37	6.49	0.04	198.24	226.77	71.24	106.24	2.88	12.20	6.76	2.88	64.65	
22	0.09	8.31	0.04	179.85	506.39	100.18	106.24	2.53	12.20	6.76	2.88	62.49	
23	0.05	16.68	0.04	198.24	755.50	141.36	106.24	2.22	12.20	6.49	2.88	62.49	
24	0.04	1.40	0.05	265.90	591.04	302.56	71.24	2.07	9.53	6.76	3.05	60.36	
25	0.04	0.40	0.05	353.38	374.58	1036.96	56.52	2.22	7.52	6.76	3.05	60.36	
26	0.03	0.13	0.05	346.87	148.96	1461.72	52.76	3.05	7.14	6.76	3.05	64.65	
27	0.03	0.09	0.04	450.71	80.31	1417.39	54.63	3.42	7.14	6.76	3.05	64.65	
28	0.03	0.09	0.05	442.96	78.01	1258.27	41.95	3.79	7.14	6.76	3.05	60.36	
29	0.03	0.07	0.07	404.54	71.24	778.16	21.13	3.42	7.52	6.76		47.27	
30	0.03	0.06	0.06	374.58	75.74	242.29	19.21	3.23	7.52	6.76		47.27	
31		1.03		359.86	66.82		14.39		7.14	6.76		49.08	
Total	1738.35	37.54	1623.88	4956.57	11982.27	14309.52	1955.29	122.40	205.09	211.19	616.49	1756.31	39514.90 Tonday
Mean	57.94	1.21	54.13	159.89	386.52	476.98	63.07	4.08	6.62	6.81	22.02	56.66	108.26 Ton/day
Max	231.63	16.68	184.40	450.71	801.01	1461.72	118.68	19.21	12.20	7.14	69.02	69.02	1461.72 Ton/day
Min	0.03	0.03	0.04	0.06	66.82	0.74	5.69	1.66	3.23	6.49	2.88	17.47	0.03 Ton/day

WATER YEAR : 2022**WANG RIVER BASIN****Nam Mae Soi at Ban Nong Nao , Lampang (W.17)**

Lat 18 - 43 - 20 N Long 99 - 34 - 02 E

Location : on right at the bridge of Lampang - Wang Nua Road.

	Ban	Nong Nao	Amphoe	Chae Hom	Changwat	Lampang
Drainage Area	719	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1996-Cont'd					
Actual Measurement	1996-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	31					
R-Square	0.9318					
Remarks	Continued Sediment Station					

$$QS = 0.5921 QW^{2.04890}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.47	11.37	159.66	8.22	34.09	58.38	1551.50	121.81	47.16	14.05	5.47	3.03	
2	1.55	37.16	81.31	9.47	381.57	31.17	5841.17	102.46	71.67	8.83	5.47	3.03	
3	1.47	31.17	34.09	15.49	108.14	23.83	1896.65	102.46	58.38	9.47	4.53	3.03	
4	1.32	11.37	20.27	6.50	40.35	40.35	1407.08	91.57	43.69	11.37	4.53	3.38	
5	1.18	8.22	14.05	4.99	22.01	50.76	1306.47	86.36	40.35	10.14	5.47	3.38	
6	1.05	7.05	9.47	4.53	128.96	62.65	863.05	86.36	34.09	10.14	5.47	3.74	
7	1.05	9.47	12.67	4.53	2035.24	76.41	608.01	81.31	31.17	9.47	4.99	3.03	
8	0.92	14.05	11.37	5.97	888.50	203.72	507.13	76.41	28.37	9.47	4.53	3.03	
9	0.86	54.50	9.47	7.62	1148.04	365.12	433.15	96.94	22.01	10.14	4.53	3.03	
10	0.86	23.83	8.22	7.62	888.50	3990.80	381.57	76.41	20.27	11.37	4.53	3.03	
11	0.86	18.61	6.50	17.01	381.57	3446.91	398.39	76.41	20.27	10.14	4.53	2.71	
12	0.75	23.83	5.47	18.61	1942.29	1896.65	318.00	71.67	18.61	10.14	4.53	0.80	
13	0.64	20.27	4.53	22.01	1763.06	7704.92	254.90	62.65	17.01	11.37	4.53	0.86	
14	0.69	12.67	3.74	54.50	788.97	3446.91	244.20	58.38	17.01	10.14	4.53	0.86	
15	0.69	9.47	9.47	176.26	1028.61	1510.84	213.48	76.41	17.01	9.47	4.13	0.80	
16	0.69	7.62	8.22	31.17	5157.02	788.97	254.90	96.94	20.27	8.83	6.50	0.80	
17	0.69	121.81	4.53	9.47	1942.29	587.09	203.72	81.31	18.61	8.22	17.01	0.92	
18	0.80	566.53	3.38	8.83	888.50	526.55	223.49	81.31	17.01	8.83	23.83	0.86	
19	0.92	67.08	3.03	7.62	349.05	741.47	203.72	71.67	14.05	8.83	12.67	0.80	
20	23.83	128.96	2.40	62.65	167.86	695.48	184.88	67.08	15.49	8.22	8.22	0.80	
21	23.83	2803.44	1.84	31.17	433.15	695.48	128.96	67.08	14.05	8.22	5.97	0.80	
22	12.67	13180.48	0.86	121.81	2082.55	788.97	121.81	58.38	10.14	6.50	5.47	0.80	
23	8.83	1372.90	0.29	349.05	718.28	2481.08	159.66	50.76	12.67	6.50	4.53	0.69	
24	7.62	318.00	1.84	176.26	223.49	1372.90	159.66	47.16	14.05	5.97	3.38	0.37	
25	6.50	184.88	3.38	58.38	2035.24	3324.85	143.89	47.16	12.67	5.47	3.74	0.37	
26	5.97	91.57	2.11	17.01	608.01	3919.22	128.96	43.69	14.05	6.50	3.74	0.37	
27	5.97	58.38	1.01	7.05	233.72	1807.04	128.96	47.16	14.05	5.47	3.74	0.41	
28	5.97	37.16	0.21	4.99	194.18	943.18	128.96	47.16	12.67	5.97	3.38	0.41	
29	5.97	23.83	0.21	4.13	108.14	629.32	128.96	47.16	11.37	5.97		0.37	
30	5.97	23.83	3.38	6.50	71.67	469.39	114.87	47.16	12.67	5.47		0.41	
31		43.69		37.16	54.50		108.14		12.67	5.47		0.41	
Total	131.59	19323.20	426.98	1296.58	26847.55	42680.41	18748.29	2168.79	713.56	266.15	173.95	47.33	112824.38 Tonday
Mean	4.39	623.33	14.23	41.83	866.05	1422.68	604.78	72.29	23.02	8.59	6.21	1.53	309.11 Ton/day
Max	23.83	13180.48	159.66	349.05	5157.02	7704.92	5841.17	121.81	71.67	14.05	23.83	3.74	13180.48 Ton/day
Min	0.64	7.05	0.21	4.13	22.01	23.83	108.14	43.69	10.14	5.47	3.38	0.37	0.21 Ton/day

WATER YEAR : 2022**WANG RIVER BASIN****Wang River at Ban Chiang Rai , Tak (W.23)**

Lat 17 - 21 - 60 N Long 99 - 06 - 47 E

Location : on left bank at Amphoe Sam Ngao.

	Ban Chiang Rai	Amphoe Sam Ngao	Changwat Tak
Drainage Area	9,888 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2001-Cont'd		
Actual Measurement	2001-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	18		
R-Square	0.9791		
Remarks	Continued Sediment Station		

$$QS = 0.1982 QW^{1.71550}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	60.03	32.09	155.89	717.50	14150.58	225.47	41.06	11.75	0.00	0.00	
2	0.00	0.00	41.06	28.76	225.47	443.73	17277.10	189.35	39.19	8.92	0.00	0.00	
3	0.00	0.00	33.81	28.76	296.05	324.55	17701.38	152.34	35.57	8.27	0.00	0.00	
4	0.00	0.00	32.09	50.94	324.55	319.73	18671.64	128.47	35.57	8.27	0.00	0.00	
5	0.00	0.00	57.66	39.19	329.41	500.31	17808.12	112.46	33.81	8.27	0.00	0.00	
6	0.00	0.00	103.29	32.09	291.40	443.73	12244.25	97.36	33.81	8.92	0.00	0.00	
7	0.00	0.00	83.17	32.09	251.00	400.52	6275.42	67.39	33.81	8.27	0.00	0.00	
8	0.00	0.00	64.90	35.57	181.68	710.26	3874.88	75.11	28.76	8.27	0.00	0.00	
9	0.00	0.00	55.32	41.06	286.79	739.42	2949.59	72.50	27.15	13.28	0.00	0.00	
10	0.00	0.00	46.89	41.06	814.44	1179.57	2205.19	100.30	5.86	14.89	0.00	0.00	
11	0.00	0.00	41.06	39.19	1197.49	4626.73	2258.46	77.76	14.07	16.57	0.00	0.00	
12	0.00	0.00	39.19	60.03	1015.01	7130.94	3119.88	64.90	18.34	24.05	0.00	0.00	
13	0.00	0.00	32.09	62.45	1040.31	9104.74	1858.88	60.03	17.45	25.58	0.00	0.00	
14	0.00	0.00	21.11	50.94	1335.45	13001.99	1152.90	53.03	17.45	17.45	0.00	0.00	
15	0.00	0.00	14.07	44.91	1421.21	15421.35	1288.77	53.03	16.57	16.57	0.00	0.00	
16	0.00	0.00	14.07	77.76	1469.82	15020.96	989.97	50.94	14.07	14.89	0.00	0.00	
17	0.00	0.00	11.01	314.93	3795.60	11601.41	799.19	55.32	14.89	10.29	0.00	0.00	
18	0.00	0.00	9.60	217.22	6823.01	7447.26	639.52	60.03	14.07	8.92	0.00	0.00	
19	0.00	0.00	13.28	118.76	5015.71	4626.73	547.60	85.93	14.07	7.63	0.00	0.00	
20	0.00	0.00	11.75	88.73	3034.24	2711.60	483.04	94.44	14.07	8.27	0.00	0.00	
21	0.00	0.00	13.28	174.14	2271.86	1170.65	427.31	94.44	13.28	8.27	0.00	0.00	
22	0.00	109.37	11.75	948.83	1316.69	688.71	384.80	88.73	12.50	17.45	0.00	0.00	
23	0.00	1479.62	9.60	1091.67	998.29	746.78	344.16	97.36	12.50	13.28	0.00	0.00	
24	0.00	1824.31	5.86	876.61	2726.97	1135.27	349.13	91.57	12.50	11.75	0.00	0.00	
25	0.00	1023.41	3.92	746.78	2152.46	4845.43	359.18	75.11	11.75	28.76	0.00	0.00	
26	0.00	884.52	5.31	559.70	2574.96	11050.83	359.18	55.32	12.50	22.56	0.00	0.00	
27	0.00	667.45	9.60	421.90	7835.23	16961.72	339.21	48.90	11.75	53.03	0.00	0.00	
28	0.00	517.84	9.60	324.55	11050.83	17701.38	286.79	46.89	9.60	39.19	0.00	0.00	
29	0.00	213.14	14.89	286.79	9052.44	15522.14	255.36	46.89	8.27	28.76		0.00	
30	0.00	85.93	18.34	233.85	3364.95	11207.00	251.00	42.97	11.01	16.57		0.00	
31		75.11		177.89	1233.66		273.13		13.28	18.34		0.00	
Total	0.00	6880.70	887.60	7279.24	73882.87	177502.94	129925.61	2564.34	598.58	507.29	0.00	0.00	400029.17 Tonday
Mean	0.00	221.96	29.59	234.81	2383.32	5916.76	4191.15	85.48	19.31	16.36	0.00	0.00	1095.97 Ton/day
Max	0.00	1824.31	103.29	1091.67	11050.83	17701.38	18671.64	225.47	41.06	53.03	0.00	0.00	18671.64 Ton/day
Min	0.00	0.00	3.92	28.76	155.89	319.73	251.00	42.97	5.86	7.63	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**WANG RIVER BASIN****Wang River at Ban Tha Phai , Tak (W.24)**

Lat 17 - 19 - 18 N Long 99 - 04 - 38 E

Location : on left bank at Ban Tha Phai

	Ban Tha Phai	Amphoe Sam Ngao	Changwat Tak
Drainage Area	10,192 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2020-Cont'd		
Actual Measurement	2020-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.9831		
Remarks	Continued Sediment Station		

$$QS = 0.1765 QW^{1.75230}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	52.41	8.52	148.56	1500.89	11750.99	366.62	36.22	11.79	0.00	0.00	
2	0.00	0.00	36.22	7.06	217.43	847.48	12622.74	284.76	33.56	9.04	0.00	0.00	
3	0.00	0.00	28.49	6.60	384.04	563.10	12755.17	230.46	30.98	8.52	0.00	0.00	
4	0.00	0.00	26.55	13.18	401.81	522.27	12954.92	177.78	28.49	8.52	0.00	0.00	
5	0.00	0.00	34.89	17.72	457.18	773.70	12821.60	148.56	27.51	8.52	0.00	0.00	
6	0.00	0.00	82.26	16.93	384.04	806.13	11487.28	128.34	27.51	8.52	0.00	0.00	
7	0.00	0.00	72.90	15.38	327.32	634.88	9010.99	82.26	29.74	8.52	0.00	0.00	
8	0.00	0.00	55.63	16.14	213.31	1097.44	6678.81	90.12	24.66	9.04	0.00	0.00	
9	0.00	0.00	47.73	18.54	316.44	1097.44	5331.52	86.15	22.84	11.79	0.00	0.00	
10	0.00	0.00	41.81	17.72	944.51	1715.61	4173.86	117.35	9.56	13.18	0.00	0.00	
11	0.00	0.00	36.22	17.72	1727.90	5978.27	4345.50	94.16	7.06	14.63	0.00	0.00	
12	0.00	0.00	33.56	27.51	1618.66	9321.48	5164.65	74.72	15.38	17.72	0.00	0.00	
13	0.00	0.00	27.51	29.74	1559.30	11239.71	3748.79	67.49	13.89	18.54	0.00	0.00	
14	0.00	0.00	21.07	27.51	1916.72	14648.58	2242.59	58.92	13.89	15.38	0.00	0.00	
15	0.00	0.00	16.14	24.66	2228.48	15409.11	2356.79	55.63	13.18	13.89	0.00	0.00	
16	0.00	0.00	13.18	37.60	2328.01	15179.21	1852.85	53.99	11.22	13.18	0.00	0.00	
17	0.00	0.00	11.79	311.06	4539.68	14274.53	1500.89	53.99	11.79	10.65	0.00	0.00	
18	0.00	0.00	11.22	269.47	8477.82	11092.28	1208.25	60.58	11.22	9.56	0.00	0.00	
19	0.00	0.00	13.18	106.78	7794.66	7794.66	1010.20	82.26	10.65	8.52	0.00	0.00	
20	0.00	0.00	11.22	62.30	5143.95	5436.97	864.27	101.66	11.22	8.52	0.00	0.00	
21	0.00	0.00	11.79	139.75	3857.79	2947.97	757.69	96.65	10.65	0.00	0.00	0.00	
22	0.00	36.22	10.65	1147.24	2562.47	1571.10	679.84	82.26	10.10	0.00	0.00	0.00	
23	0.00	1323.89	9.04	1703.36	1618.66	1524.14	598.43	99.12	9.56	0.00	0.00	0.00	
24	0.00	3108.62	6.60	1367.25	3748.79	2048.63	584.10	94.16	9.04	0.00	0.00	0.00	
25	0.00	1642.67	4.50	1137.21	3803.12	6337.35	598.43	76.60	9.04	0.00	0.00	0.00	
26	0.00	1323.89	4.12	847.48	3857.79	12393.91	591.25	55.63	9.04	0.00	0.00	0.00	
27	0.00	1010.20	8.02	577.00	9088.10	14498.46	549.34	76.60	9.04	0.00	0.00	0.00	
28	0.00	757.69	7.54	463.53	13088.82	13426.17	476.32	47.73	7.54	0.00	0.00	0.00	
29	0.00	343.92	7.54	378.19	12177.97	12622.74	395.85	41.81	6.60	0.00		0.00	
30	0.00	114.64	5.72	300.42	6572.92	11387.97	384.04	38.97	8.02	0.00		0.00	
31		67.49		205.18	2592.45		413.85		10.65	0.00		0.00	
Total	0.00	9729.23	749.50	9318.75	104098.70	198692.18	129911.80	3125.33	489.85	228.03	0.00	0.00	456343.37 Tonday
Mean	0.00	313.85	24.98	300.60	3358.02	6623.07	4190.70	104.18	15.80	7.36	0.00	0.00	1250.26 Ton/day
Max	0.00	3108.62	82.26	1703.36	13088.82	15409.11	12954.92	366.62	36.22	18.54	0.00	0.00	15409.11 Ton/day
Min	0.00	0.00	4.12	6.60	148.56	522.27	384.04	38.97	6.60	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**WANG RIVER BASIN****Wang River at Ban Rong Kho, Lampang (W.25)**

Lat 19 - 02 - 14 N Long 99 - 36 - 59 E

Location : on right bank at Ban Rong Kho.

	Ban	Rong Kho	Amphoe	Wang Nuea	Changwat	Lampang
Drainage Area	746	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	2009-Cont'd					
Actual Measurement	2009-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	31					
R-Square	0.9765					
Remarks	Continued Sediment Station					

$$QS = 1.6152 QW^{1.77280}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.35	0.35	69.09	1020.63	115.73	362.71	1515.89	46.07	20.83	1.14	0.08	0.13	
2	3.63	0.29	37.57	2430.96	282.16	304.27	2430.96	41.72	24.82	1.62	0.08	0.13	
3	3.63	0.29	28.01	492.75	151.79	124.35	1363.80	39.62	21.80	0.86	0.08	0.13	
4	2.37	0.29	19.88	327.11	92.36	92.36	1887.30	37.57	19.88	0.69	0.08	0.11	
5	3.08	0.29	15.65	74.78	71.91	1840.87	1515.89	37.57	18.94	0.47	0.08	0.06	
6	0.77	0.29	12.00	22.78	549.57	1642.58	837.98	37.57	18.03	0.61	0.08	0.06	
7	0.61	0.24	7.91	18.03	859.95	671.22	719.55	37.57	16.43	0.61	0.08	0.06	
8	0.69	0.47	6.43	28.01	973.50	230.09	639.82	35.56	12.70	0.86	0.09	0.08	
9	0.86	1.45	5.52	506.70	3422.83	3207.99	451.92	28.01	7.40	0.86	0.08	0.13	
10	0.86	0.54	4.53	187.24	1610.49	794.78	374.93	28.01	3.08	0.54	0.08	0.08	
11	0.86	0.35	4.22	206.76	904.63	2078.05	506.70	25.87	2.57	0.29	0.08	0.06	
12	0.86	0.47	2.57	180.92	4614.29	1642.58	327.11	23.79	2.37	0.35	0.08	0.06	
13	0.86	0.86	2.37	535.11	2752.48	3569.41	260.78	22.78	1.97	0.29	0.08	0.08	
14	0.86	0.61	2.37	3207.99	1218.77	2176.42	220.24	22.78	1.79	0.17	0.08	0.15	
15	0.86	0.61	3.63	1515.89	639.82	837.98	193.65	23.79	1.79	0.17	0.08	0.09	
16	0.86	0.99	4.53	425.56	609.07	624.36	174.69	25.87	1.97	0.17	0.06	0.08	
17	0.86	1068.72	8.97	193.65	973.50	451.92	162.53	25.87	1.62	0.17	0.29	0.15	
18	2.17	29.83	22.78	96.06	703.28	752.59	128.75	28.01	1.62	0.11	3.63	0.15	
19	506.70	9.52	4.85	63.60	304.27	950.30	107.57	58.30	1.45	0.13	2.82	0.13	
20	71.91	55.73	5.52	5180.06	220.24	735.99	92.36	33.60	0.99	0.13	1.62	0.09	
21	10.09	5083.79	0.77	362.71	4261.92	1044.55	85.13	22.78	1.29	0.13	1.45	0.08	
22	5.97	11558.86	0.69	2536.20	3870.59	609.07	92.36	22.78	1.29	0.11	0.99	0.08	
23	3.63	6739.16	0.69	7837.88	1334.23	3137.73	124.35	22.78	0.86	0.11	0.69	0.05	
24	2.37	1363.80	0.54	1674.94	593.95	2126.99	103.67	21.80	0.77	0.11	0.35	0.05	
25	10.67	478.97	0.47	492.75	904.63	4342.15	88.71	21.80	0.86	0.11	0.19	0.05	
26	3.92	206.76	0.41	327.11	478.97	6290.55	71.91	21.80	0.69	0.11	0.15	0.05	
27	0.69	142.38	0.41	156.60	374.93	1840.87	60.92	18.03	0.69	0.09	0.15	0.05	
28	0.47	120.01	0.41	92.36	271.38	1020.63	71.91	18.94	0.54	0.09	0.13	0.05	
29	0.47	200.16	0.41	69.09	174.69	671.22	66.32	18.94	0.61	0.08		0.05	
30	0.35	92.36	43.88	60.92	120.01	564.20	55.73	21.80	0.69	0.08		0.05	
31		63.60		147.05	74.78		50.74		0.86	0.08		0.05	
Total	645.28	27222.04	317.08	30472.20	33530.72	44738.78	14784.17	871.38	191.20	11.34	13.73	2.62	152800.54 Tonday
Mean	21.51	878.13	10.57	982.97	1081.64	1491.29	476.91	29.05	6.17	0.37	0.49	0.08	418.63 Ton/day
Max	506.70	11558.86	69.09	7837.88	4614.29	6290.55	2430.96	58.30	24.82	1.62	3.63	0.15	11558.86 Ton/day
Min	0.35	0.24	0.41	18.03	71.91	92.36	50.74	18.03	0.54	0.08	0.06	0.05	0.05 Ton/day

WATER YEAR : 2022**Yom RIVER BASIN****Yom River at Ban Nam Khong , Phrae (Y.1C)**

Lat 18 - 08 - 02 N Long 100 - 07 - 29 E

Location : on right bank about 5 meters downstream from Phathana Phak Nua 8 Bridge.

	Ban	Nam Khong	Amphoe	Mueang	Changwat	Phrae
Drainage Area	7,661	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1997-Cont'd					
Actual Measurement	1997-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	37					
R-Square	0.9757					
Remarks	Continued Sediment Station					

$$QS = 0.6824 QW^{1.71780}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	181.52	0.18	150.12	112.22	670.41	4676.06	2006.67	253.67	121.26	21.74	6.46	4.00	
2	33.22	0.13	170.78	294.57	1004.50	10490.34	14737.94	323.24	80.75	21.74	6.46	4.00	
3	4.00	6.46	150.12	2900.65	920.79	1924.92	44348.55	280.65	73.56	21.74	6.46	2.64	
4	0.55	192.53	130.60	762.61	2006.67	1438.76	42560.08	181.52	66.66	18.37	4.77	1.07	
5	5.58	294.57	121.26	462.12	1965.62	1061.98	19478.11	215.36	53.72	15.24	5.58	4.00	
6	4.00	95.94	88.21	583.23	1804.96	1120.80	11987.25	267.02	60.05	12.36	5.58	4.77	
7	0.47	25.34	66.66	337.99	1765.69	1404.48	8055.76	150.12	53.72	15.24	5.58	2.64	
8	0.35	9.74	41.97	353.01	4554.59	3967.47	4676.06	215.36	53.72	12.36	6.46	1.53	
9	60.05	112.22	33.22	2006.67	17493.14	4676.06	2997.51	150.12	41.97	12.36	5.58	2.64	
10	41.97	308.77	41.97	1211.50	35060.45	9077.78	3742.16	140.22	37.49	12.36	6.46	3.29	
11	5.58	160.31	41.97	762.61	15489.48	18299.68	3203.21	203.81	33.22	12.36	4.77	2.64	
12	0.27	130.60	37.49	1091.23	16035.82	38224.41	3361.22	181.52	37.49	12.36	4.00	2.64	
13	0.15	240.61	37.49	648.24	28327.40	27593.53	2572.20	130.60	33.22	12.36	4.77	4.77	
14	0.25	215.36	47.69	1844.59	25688.84	18885.05	1765.69	181.52	33.22	12.36	4.00	4.00	
15	0.47	693.10	41.97	4256.80	12168.82	18416.14	1804.96	88.21	33.22	9.74	4.00	4.00	
16	0.35	323.24	41.97	6444.10	7452.36	8757.89	1651.59	215.36	33.22	9.74	4.00	4.00	
17	0.21	481.57	60.05	3686.70	8209.67	5895.68	1091.23	227.84	33.22	9.74	4.77	3.29	
18	0.13	12443.30	80.75	1273.59	6167.34	3048.40	1004.50	308.77	33.22	9.74	4.77	2.64	
19	0.10	7231.16	150.12	948.35	2757.87	2948.92	626.19	308.77	33.22	7.38	4.77	2.64	
20	693.10	1438.76	203.81	1688.25	1965.62	4615.16	583.23	280.65	33.22	9.74	4.77	2.06	
21	140.22	788.11	95.94	4615.16	4256.80	4256.80	604.65	192.53	29.17	9.74	4.77	2.06	
22	60.05	1004.50	66.66	2710.95	22684.35	5175.19	501.18	227.84	29.17	9.74	4.77	2.06	
23	0.51	2347.77	47.69	5432.64	73781.62	3414.59	521.30	160.31	29.17	9.74	4.77	1.53	
24	0.24	3522.39	37.49	11096.61	41501.80	7751.60	840.14	160.31	29.17	7.38	5.58	0.64	
25	0.51	1804.96	37.49	6030.87	12351.53	11009.13	626.19	140.22	25.34	7.38	4.77	0.68	
26	0.35	866.68	25.34	2347.77	9566.58	14210.72	370.42	121.26	25.34	7.38	4.77	0.64	
27	0.19	521.30	15.24	1120.80	8678.67	15816.34	406.12	103.95	25.34	6.46	4.77	0.59	
28	0.03	337.99	7.38	693.10	3967.47	13187.72	323.24	80.75	21.74	6.46	4.77	0.64	
29	0.02	267.02	6.46	370.42	2481.40	8837.41	370.42	103.95	21.74	7.38		0.68	
30	0.03	203.81	5.58	353.01	1884.57	3797.97	308.77	95.94	21.74	6.46		1.07	
31		160.31		462.12	1273.59		388.02		21.74	6.46		1.07	
Total	1234.47	36228.73	2083.49	66902.48	373938.42	273980.98	177514.56	5691.39	1259.03	353.61	142.98	74.92	939405.06 Tonday
Mean	41.15	1168.67	69.45	2158.14	12062.53	9132.70	5726.28	189.71	40.61	11.41	5.11	2.42	2573.71 Ton/day
Max	693.10	12443.30	203.81	11096.61	73781.62	38224.41	44348.55	323.24	121.26	21.74	6.46	4.77	73781.62 Ton/day
Min	0.02	0.13	5.58	112.22	670.41	1061.98	308.77	80.75	21.74	6.46	4.00	0.59	0.02 Ton/day

WATER YEAR : 2022**YOM RIVER BASIN****Yom River at Ban Wang Mai Khon , Sukhothai (Y.3A)**

Lat 17 - 18 - 46 N Long 99 - 49 - 37 E

Location : on right bank about 100 meters downstream from the bridge on highway.

	Ban Wang Mai Khon	Amphoe Sawankhalok	Changwat Sukhothai
Drainage Area	12,757 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2020-Cont'd		
Actual Measurement	2020-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	19		
R-Square	0.9429		
Remarks	Continued Sediment Station		

$$QS = 2.7510 QW^{1.24030}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	164.74	1127.33	3003.69	390.89	218.66	4.32	13.94	0.00	
2	0.00	0.00	0.00	0.00	168.14	1612.03	7212.16	463.23	201.28	3.66	18.26	0.00	
3	0.00	0.00	0.00	0.00	179.95	3035.08	8509.96	442.32	227.46	3.34	24.13	0.00	
4	0.00	192.69	0.00	0.00	282.41	2693.32	7882.18	223.05	179.95	3.03	12.09	0.00	
5	0.00	131.52	0.00	0.00	385.82	1786.68	7926.71	209.94	223.05	2.72	2.72	0.00	
6	0.00	92.93	0.00	0.00	411.32	1379.03	6102.57	201.28	209.94	2.41	0.54	0.00	
7	0.00	92.93	0.00	0.00	550.00	1112.80	3912.56	179.95	106.05	2.12	0.00	0.00	
8	0.00	134.78	489.63	44.19	561.26	1062.91	3270.29	254.24	52.39	1.83	0.00	0.00	
9	0.00	201.28	330.87	36.27	578.23	1230.43	2036.25	282.41	53.78	1.55	0.00	0.00	
10	0.00	268.17	201.28	138.05	1347.46	3098.72	882.06	92.93	51.00	1.55	0.00	0.00	
11	0.00	268.17	128.28	128.28	3947.69	5089.00	1230.43	227.46	28.36	1.02	0.00	0.00	
12	0.00	209.94	121.85	231.88	3694.54	6088.91	1761.22	201.28	18.75	0.54	0.00	0.00	
13	0.00	151.28	115.48	316.18	2703.56	6589.72	2420.92	184.18	20.05	0.54	0.00	0.00	
14	0.00	147.95	109.18	258.75	3045.56	6254.89	2010.14	355.64	17.28	0.33	0.00	0.00	
15	0.00	125.06	103.84	263.45	3292.37	4961.81	2557.83	648.06	13.01	0.33	0.00	0.00	
16	0.00	101.64	99.45	489.63	3336.61	3994.62	2100.01	555.63	11.64	0.14	0.00	0.00	
17	0.00	144.63	0.00	1134.56	3447.70	3865.82	1620.12	690.70	10.75	0.00	0.00	0.00	
18	0.00	282.41	0.00	1171.16	3935.97	3481.16	1474.56	690.70	9.87	0.00	0.00	0.00	
19	0.00	355.64	0.00	1035.71	3248.51	2837.35	1171.16	672.33	15.35	21.67	0.00	0.00	
20	0.00	1761.22	0.00	447.53	2305.72	2267.57	1200.56	784.53	26.65	31.83	0.00	0.00	
21	0.00	2063.28	0.00	406.19	1612.03	2100.01	981.73	829.77	24.13	11.64	0.00	0.00	
22	0.00	1134.56	0.00	1426.64	1914.98	2632.05	733.75	648.06	20.85	6.90	0.00	0.00	
23	0.00	426.76	0.00	2220.30	2816.68	3227.03	702.96	533.20	18.75	2.41	0.00	0.00	
24	0.00	240.78	0.00	2109.27	5454.94	3570.71	727.61	380.75	17.28	4.66	0.00	0.00	
25	0.00	164.74	0.00	2473.45	6505.70	3270.29	758.91	370.67	16.31	6.90	0.00	0.00	
26	0.00	179.95	0.00	2837.35	5844.06	2806.36	715.27	365.65	13.94	8.57	0.00	0.00	
27	0.00	164.74	0.00	2027.54	4646.75	4147.89	1035.71	431.94	10.30	9.43	0.00	0.00	
28	0.00	103.84	0.00	1035.71	3865.82	4911.11	778.11	426.76	8.57	11.19	0.00	0.00	
29	0.00	40.19	0.00	370.67	3184.15	3807.82	696.77	401.08	6.50	13.47		0.00	
30	0.00	13.01	0.00	335.80	2536.68	2642.24	888.64	301.62	5.70	16.31		0.00	
31		0.00		268.17	1677.50		442.32		5.00	16.31		0.00	
Total	0.00	9194.09	1699.86	21206.73	77646.85	96684.69	76747.16	12440.25	1842.60	190.72	71.68	0.00	297724.63 Tonday
Mean	0.00	296.58	56.66	684.09	2504.74	3222.82	2475.71	414.68	59.44	6.15	2.56	0.00	815.68 Ton/day
Max	0.00	2063.28	489.63	2837.35	6505.70	6589.72	8509.96	829.77	227.46	31.83	24.13	0.00	8509.96 Ton/day
Min	0.00	0.00	0.00	0.00	164.74	1062.91	442.32	92.93	5.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**YOM RIVER BASIN****Yom River at Ban Kaeng Luang , Sukhothai (Y.6)**

Lat 17 - 26 - 12 N Long 99 - 47 - 15 E

Location : on left bank about 150 meters upstream from Kaeng Luang.

	Ban Kaeng Luang	Amphoe Si Satchanalai	Changwat Sukhothai
Drainage Area	12,619 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1963-1987,1997-Cont'd		
Actual Measurement	1963-1987,1997-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.9523		
Remarks	Continued Sediment Station		

$$QS = 0.9787 QW^{1.46290}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	78.33	4113.57	0.00	96.10	2062.04	10447.76	526.87	259.70	200.24	11.04	0.76	
2	0.00	18.55	2669.39	0.00	99.67	1449.50	23786.18	741.31	368.67	129.62	9.77	0.61	
3	0.00	8.95	1655.83	0.00	206.67	4692.37	23878.19	384.11	576.16	39.85	7.57	0.40	
4	0.00	4.46	1865.17	0.00	319.45	2784.61	23510.83	47.07	723.30	29.88	0.61	0.00	
5	0.00	1.98	2641.96	1389.32	362.70	1769.11	23152.21	8.44	705.43	26.77	0.00	0.00	
6	0.00	7.19	3215.35	1389.32	804.32	2112.22	17193.03	12.55	495.14	24.95	0.53	0.00	
7	0.00	62.29	2905.67	239.78	870.27	1769.11	10864.83	12.55	300.07	25.55	1.19	0.00	
8	0.00	853.63	1064.06	1551.58	788.09	2754.69	9143.22	856.93	443.66	28.00	2.66	0.00	
9	0.46	1156.86	129.62	1409.29	1045.80	3184.03	6129.48	368.67	687.69	57.55	3.92	0.00	
10	0.00	1064.06	0.00	338.58	4007.65	8490.48	5441.64	433.58	880.60	57.55	4.74	0.00	
11	0.00	692.94	0.00	903.86	6682.76	10273.86	6217.78	796.19	904.48	41.24	4.46	0.00	
12	0.00	282.27	0.00	1613.87	7120.94	15970.47	5608.17	551.34	516.22	50.67	4.74	0.00	
13	0.00	319.45	0.00	264.24	4256.00	15539.59	5121.12	433.58	224.03	48.44	10.19	0.00	
14	0.00	273.21	0.00	338.58	6586.59	12909.72	4399.96	415.58	148.93	38.47	11.04	0.00	
15	0.00	176.35	0.00	464.24	6443.16	7467.77	4845.87	368.67	132.32	26.77	15.61	0.00	
16	0.00	246.58	0.00	1865.17	5954.09	6217.78	3121.50	614.04	110.86	16.58	9.98	0.00	
17	0.00	399.84	0.00	3736.80	5910.60	5002.63	3670.03	796.19	116.73	24.95	7.38	0.00	
18	0.00	464.24	0.00	3374.34	7417.90	3341.97	3374.34	453.81	145.22	37.10	2.66	0.00	
19	0.00	820.65	0.00	1613.87	4508.81	2724.69	2784.61	741.31	167.90	18.22	0.68	0.00	
20	0.00	6217.78	0.00	477.47	2697.09	2062.04	3871.48	705.43	126.01	5.39	0.61	0.00	
21	0.00	3310.27	0.00	1329.95	1792.97	2112.22	1551.58	353.43	94.39	4.05	0.61	0.00	
22	16.83	3374.34	0.00	5441.64	1369.44	3341.97	326.00	160.22	71.33	2.09	0.68	0.00	
23	142.72	2997.62	0.00	4327.79	3803.95	3439.37	415.58	126.01	57.97	2.09	0.76	0.00	
24	724.23	1064.06	0.00	3603.65	8869.39	4007.65	687.69	228.68	35.31	3.27	0.84	0.00	
25	1290.83	2087.08	0.00	5737.23	14548.84	4924.05	576.16	384.11	23.49	4.88	0.92	0.00	
26	1194.66	3703.37	0.00	4963.18	7318.49	9419.68	563.71	484.70	20.88	5.22	0.92	0.00	
27	646.85	2532.80	0.00	2087.08	5737.23	10682.78	777.76	759.47	15.95	5.91	0.92	0.00	
28	399.84	991.62	0.00	938.35	5240.70	9929.11	384.11	741.31	10.43	7.19	0.84	0.00	
29	171.41	362.70	0.00	350.57	3246.95	6827.84	670.11	332.58	2.90	9.36		0.00	
30	46.24	870.27	0.00	193.87	2614.45	5651.16	345.89	219.41	3.52	12.36		0.00	
31		2697.09		96.10	2087.08		141.96		213.17	14.66		0.00	
Total	4634.07	37140.83	20260.62	50039.72	122808.15	172914.51	203002.78	13058.14	8582.46	998.87	115.87	1.77	633557.79 Tonday
Mean	154.47	1198.09	675.35	1614.18	3961.55	5763.82	6548.48	435.27	276.85	32.22	4.14	0.06	1735.77 Ton/day
Max	1290.83	6217.78	4113.57	5737.23	14548.84	15970.47	23878.19	856.93	904.48	200.24	15.61	0.76	23878.19 Ton/day
Min	0.00	1.98	0.00	0.00	96.10	1449.50	141.96	8.44	2.90	2.09	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**YOM RIVER BASIN****Yom River at Ban Don Rabiang , Sukhothai (Y.14A)**

Lat 17 - 34 - 17 N Long 99 - 44 - 11 E

Location : on left bank about 50 meters from Si Satchanalai - Den Chai Highway No.101 at guidepost 44 th.

	Ban Don Rabiang	Amphoe Si Satchanalai	Changwat Sukhothai
Drainage Area	12,141 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2020-Cont'd		
Actual Measurement	2020-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	21		
R-Square	0.9855		
Remarks	Continued Sediment Station		

$$QS = 1.2125 QW^{1.39790}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.15	57.50	229.84	43.03	402.82	1447.29	10071.02	386.81	144.73	28.42	8.48	0.00	
2	17.82	45.63	191.24	33.10	528.55	3232.44	19033.34	394.80	154.75	26.16	5.48	0.00	
3	14.02	60.88	164.95	28.42	576.67	4614.37	17991.72	326.66	164.95	26.16	3.51	0.00	
4	82.11	78.42	164.95	243.07	731.22	2486.91	17940.08	341.26	144.73	26.16	2.14	0.00	
5	105.04	64.27	170.12	971.93	866.20	1648.30	17176.23	319.43	130.08	26.16	1.53	0.00	
6	82.11	117.06	196.63	386.81	1173.53	1201.21	11528.24	249.77	108.99	24.71	0.64	0.00	
7	60.88	243.07	180.59	305.12	1064.66	1011.38	8036.95	249.77	93.35	23.28	0.20	0.00	
8	48.27	196.63	139.80	394.80	1105.13	1462.21	6649.96	270.15	89.58	21.88	0.03	0.00	
9	37.97	170.12	113.03	290.99	1761.29	2253.08	4507.73	207.54	85.79	20.50	0.00	0.00	
10	35.51	149.72	97.22	363.49	4042.28	7099.14	3232.44	224.21	97.22	19.15	0.00	0.00	
11	35.51	130.08	78.42	936.30	7164.50	9688.24	4118.73	213.05	85.79	17.82	0.00	0.00	
12	33.10	164.95	60.88	678.52	6371.37	13647.17	3232.44	185.90	71.25	26.16	0.00	0.00	
13	26.16	170.12	60.88	566.79	5133.69	13602.57	2666.52	218.61	64.27	19.15	0.00	0.00	
14	26.16	121.19	60.88	720.55	6618.92	10967.18	2467.18	196.63	57.50	17.82	0.00	0.00	
15	26.16	125.29	57.50	820.35	6340.52	6968.93	2788.22	170.12	57.50	17.82	0.00	0.00	
16	23.28	149.72	54.22	1777.61	5303.74	6248.60	2124.45	207.54	54.22	16.53	0.00	0.00	
17	19.15	236.43	105.04	2408.24	6371.37	4350.52	1728.79	159.83	57.50	16.53	0.00	0.00	
18	15.26	341.26	164.95	2124.45	6340.52	3101.63	1373.35	213.05	54.22	14.02	0.00	0.00	
19	14.02	948.14	105.04	1257.37	4298.70	2427.84	1064.66	263.31	48.27	16.53	0.00	0.00	
20	15.26	3166.84	85.79	775.21	2727.18	2178.48	985.03	319.43	48.27	15.26	0.00	0.00	
21	16.53	2870.20	82.11	1664.31	1894.51	2330.29	720.55	305.12	45.63	12.81	0.00	0.00	
22	85.79	2369.18	101.08	3431.50	1843.29	3276.38	668.17	263.31	45.63	12.81	0.00	0.00	
23	218.61	1243.08	93.35	3719.58	4507.73	3573.97	647.52	218.61	48.27	12.81	0.00	0.03	
24	170.12	1187.35	93.35	3431.50	9994.12	3916.27	576.67	218.61	43.03	12.81	0.00	0.45	
25	117.06	1664.31	121.19	4350.52	13094.25	5389.26	576.67	185.90	40.48	12.81	0.00	0.14	
26	82.11	1522.33	78.42	3364.77	7662.97	7934.45	678.52	191.24	35.51	20.50	0.00	0.00	
27	60.88	901.06	57.50	1964.44	5246.88	10186.67	566.79	191.24	33.10	12.05	0.00	0.00	
28	60.88	566.79	54.22	1118.72	4802.67	9879.10	477.10	170.12	33.10	11.31	0.00	0.00	
29	57.50	477.10	57.50	668.17	3058.37	6587.73	494.09	159.83	33.10	10.58		0.00	
30	54.22	394.80	64.27	502.64	2427.84	4993.10	443.65	130.08	30.73	10.58		0.00	
31		290.99		378.88	1648.30		427.19		28.42	10.58		0.00	
Total	1660.64	20224.51	3284.96	39721.18	125103.79	157704.71	144994.00	7151.93	2229.96	559.87	22.01	0.62	502658.18 Tonday
Mean	55.35	652.40	109.50	1281.33	4035.61	5256.82	4677.23	238.40	71.93	18.06	0.79	0.02	1377.15 Ton/day
Max	218.61	3166.84	229.84	4350.52	13094.25	13647.17	19033.34	394.80	164.95	28.42	8.48	0.45	19033.34 Ton/day
Min	14.02	45.63	54.22	28.42	402.82	1011.38	427.19	130.08	28.42	10.58	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**Yom RIVER BASIN****Yom River at Ban Kong , Sukhothai (Y.15)**

Lat 16 - 55 - 39 N Long 99 - 57 - 34 E

Location : on left bank at Ban Kong.

	Ban Kong	Amphoe Kong Krailat	Changwat Sukhothai
Drainage Area	18,894 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2010-2016, 2020-Cont'd		
Actual Measurement	2010-2016, 2020-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	14		
R-Square	0.9754		
Remarks	Continued Sediment Station		

$$QS = 0.9076 QW^{1.49830}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	24.05	519.27	2852.23	3241.88	2028.43	456.13	0.00	0.00	0.00	
2	0.00	0.00	0.00	15.34	500.96	2839.96	3267.95	1946.97	423.18	0.00	0.00	0.00	
3	0.00	0.00	0.00	8.99	383.42	2792.26	3267.95	1851.85	313.04	0.00	0.00	0.00	
4	0.00	0.00	0.00	60.54	338.34	2745.99	3372.90	1767.62	320.19	0.00	0.00	0.00	
5	0.00	0.00	0.00	152.07	331.06	2711.46	3519.00	1686.03	589.87	0.00	0.00	0.00	
6	0.00	0.00	0.00	107.60	345.68	2688.52	3613.04	1605.89	693.62	0.00	0.00	0.00	
7	0.00	0.00	0.00	100.88	419.10	2665.65	3680.71	1509.73	688.55	0.00	0.00	0.00	
8	0.00	0.00	0.00	202.19	575.52	2631.46	3735.15	1399.44	112.16	0.00	0.00	0.00	
9	0.00	0.00	0.00	69.83	658.42	2586.11	3762.47	1286.19	26.98	0.00	0.00	0.00	
10	0.00	0.00	0.00	21.43	739.76	2552.26	3762.47	1158.66	34.52	0.00	0.00	0.00	
11	0.00	0.00	0.00	14.20	871.27	2518.57	3721.51	1016.90	26.98	0.00	0.00	0.00	
12	0.00	0.00	0.16	10.98	1097.16	2574.81	3680.71	846.83	30.67	0.00	0.00	0.00	
13	0.00	0.00	0.00	18.91	1256.53	2677.08	3626.54	683.50	18.58	0.00	0.00	0.00	
14	0.00	0.00	0.00	170.96	1338.65	2769.09	3572.63	533.15	10.42	0.00	0.00	0.00	
15	0.00	0.00	0.00	208.05	1483.85	2876.81	3545.78	464.99	5.98	0.00	0.00	0.00	
16	0.00	0.00	0.00	123.82	1614.73	2963.41	3532.38	403.09	4.59	0.00	0.00	0.00	
17	0.00	0.00	0.00	219.93	1722.06	3025.78	3478.95	313.04	3.73	0.00	0.00	0.00	
18	0.00	0.00	0.00	491.88	1851.85	3050.85	3412.54	263.20	2.56	0.00	0.00	0.00	
19	0.00	0.00	0.00	580.29	1967.23	3088.59	3346.56	338.34	1.90	0.00	0.00	0.00	
20	0.00	0.00	0.00	643.52	2079.90	3113.83	3254.91	276.02	1.70	0.00	0.00	0.00	
21	0.00	0.00	0.00	643.52	2173.63	3101.20	3113.83	250.57	1.50	0.00	0.00	0.00	
22	0.00	262.30	0.00	614.07	2205.18	3088.59	3013.27	272.75	1.13	0.00	0.00	0.00	
23	0.00	591.05	0.00	663.41	2226.29	3063.41	2901.47	225.95	0.51	0.00	0.00	0.00	
24	0.00	322.59	0.00	828.65	2343.62	3088.59	2780.67	126.34	0.16	0.00	0.00	0.00	
25	0.00	752.43	0.00	971.31	2375.96	3139.14	2654.24	69.83	0.02	0.00	0.00	0.00	
26	0.00	608.73	0.00	1131.19	2473.87	3177.23	2541.01	253.66	0.00	0.00	0.00	0.00	
27	0.00	239.37	0.00	1214.27	2620.10	3189.96	2441.09	473.90	0.00	0.00	0.00	0.00	
28	0.00	91.58	0.00	1235.34	2734.47	3189.96	2365.16	439.45	0.00	0.00	0.00	0.00	
29	0.00	12.97	0.00	1179.41	2839.96	3202.92	2258.09	399.17	0.00	0.00		0.00	
30	0.00	0.02	0.00	1050.09	2827.72	3228.88	2173.63	371.70	0.00	0.00		0.00	
31		0.00		840.76	2839.96		2110.99		0.00	0.00		0.00	
Total	0.00	2881.04	0.16	13617.48	47755.52	87194.60	98749.48	24263.19	3768.67	0.00	0.00	0.00	278230.14 Ton/day
Mean	0.00	92.94	0.01	439.27	1540.50	2906.49	3185.47	808.77	121.57	0.00	0.00	0.00	762.27 Ton/day
Max	0.00	752.43	0.16	1235.34	2839.96	3228.88	3762.47	2028.43	693.62	0.00	0.00	0.00	3762.47 Ton/day
Min	0.00	0.00	0.00	8.99	331.06	2518.57	2110.99	69.83	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**Yom RIVER BASIN****Yom River at Ban Huai Sak , Phrae (Y.20)**

Lat 18 - 35 - 10 N Long 100 - 09 - 05 E

Location : on left bank about 1 kilometer downstream from Sop Ngao.

	Ban	Huai Sak	Amphoe	Song	Changwat	Phrae
Drainage Area	5,392	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1997-Cont'd					
Actual Measurement	1997-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	35					
R-Square	0.9647					
Remarks	Continued Sediment Station					

$$QS = 0.3031 QW^{1.93840}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	60.59	36.85	88.22	628.23	841.36	1874.81	5427.82	234.57	91.27	12.88	4.54	3.14	
2	35.07	173.94	85.22	5125.82	681.40	1213.88	32241.24	211.33	79.38	12.88	4.92	3.59	
3	21.72	395.80	68.29	2947.33	1497.12	817.51	44054.50	189.53	65.65	12.21	5.31	3.36	
4	15.14	305.91	48.97	936.04	2569.32	714.30	16631.73	179.07	68.29	11.55	5.72	3.14	
5	12.88	91.27	23.81	894.26	1941.75	829.39	11698.14	159.98	63.05	11.55	5.72	2.32	
6	12.21	42.57	20.71	403.80	1874.81	1051.97	8000.94	151.30	48.97	11.55	5.72	2.14	
7	7.02	35.07	17.82	681.40	1701.88	2331.29	5168.45	151.30	33.33	10.28	5.31	2.14	
8	7.97	122.87	16.01	2569.32	6253.56	4231.28	3741.79	147.04	35.07	9.09	5.31	2.14	
9	7.97	168.89	15.14	1399.52	34741.67	5297.37	3179.41	142.85	29.99	7.97	5.72	2.32	
10	7.97	76.53	14.29	736.65	19546.03	8663.29	2850.47	138.72	28.38	7.97	5.72	2.52	
11	26.81	68.29	14.29	1577.50	5905.25	22795.15	3815.20	134.64	26.81	9.09	5.31	2.32	
12	16.01	63.05	13.58	1323.73	18728.65	19822.24	3455.06	126.66	25.29	7.97	5.72	2.52	
13	10.28	173.94	12.21	1213.88	26488.01	14536.05	1919.31	126.66	23.81	8.52	4.92	2.92	
14	9.09	356.99	10.91	3112.23	16504.67	17796.42	1438.18	119.14	23.81	9.09	4.92	3.14	
15	8.52	151.30	9.68	7178.07	6812.88	9825.26	1323.73	122.87	20.71	10.28	4.54	3.59	
16	8.52	104.75	11.55	6153.06	6103.10	6693.20	978.75	147.04	22.76	8.52	4.54	3.83	
17	7.02	8935.36	29.99	1787.33	7489.44	4154.08	829.39	194.88	18.76	7.97	4.54	3.59	
18	97.90	7936.11	79.38	964.41	4348.37	3179.41	670.59	194.88	18.76	7.02	6.14	3.36	
19	866.92	2692.53	60.59	597.33	2818.54	4998.95	577.15	168.89	18.76	6.57	9.68	3.36	
20	1178.28	454.20	26.81	4506.90	1765.78	3315.85	490.51	168.89	16.90	6.14	10.28	2.92	
21	130.62	518.64	19.72	2331.29	6053.34	3741.79	445.33	142.85	16.90	5.72	9.09	2.92	
22	70.99	1723.05	15.14	2448.90	142563.45	4077.57	420.02	151.30	16.90	7.02	7.49	2.92	
23	76.53	4192.59	12.21	8131.37	36778.16	5125.82	681.40	134.64	16.01	7.02	6.57	2.72	
24	44.66	1809.01	9.68	7116.56	9749.17	8866.96	670.59	111.83	16.01	6.57	6.14	2.72	
25	25.29	567.19	9.09	3213.26	6933.58	10878.14	481.31	101.30	15.14	6.14	5.31	2.92	
26	19.72	272.09	9.09	1477.35	9077.24	13367.21	403.80	97.90	15.14	6.14	4.18	2.32	
27	21.72	184.27	10.91	681.40	3964.09	10611.22	342.01	94.56	15.14	5.72	3.36	1.96	
28	20.71	119.14	10.28	463.15	2786.77	6003.78	356.99	111.83	14.29	6.14	3.14	1.64	
29	14.29	91.27	9.68	320.12	1919.31	3179.41	372.28	91.27	12.88	6.14		1.50	
30	11.55	68.29	472.19	387.88	1323.73	2076.91	342.01	91.27	12.21	5.72		1.64	
31		73.74		454.20	978.75		285.20		12.88	4.54		1.64	
Total	2853.97	32005.50	1245.46	71762.29	390741.18	202070.51	153293.30	4338.99	923.25	255.97	159.86	83.26	859733.54 Tonday
Mean	95.13	1032.44	41.52	2314.91	12604.55	6735.68	4944.95	144.63	29.78	8.26	5.71	2.69	2355.43 Ton/day
Max	1178.28	8935.36	472.19	8131.37	142563.45	22795.15	44054.50	234.57	91.27	12.88	10.28	3.83	142563.45 Ton/day
Min	7.02	35.07	9.09	320.12	681.40	714.30	285.20	91.27	12.21	4.54	3.14	1.50	1.50 Ton/day

WATER YEAR : 2022**Yom RIVER BASIN****Nam Pi at Ban Mang , Phayao (Y.24)**

Lat 18 - 52 - 55 N Long 100 - 16 - 58 E

Location : on right bank upstream of the bridge from Pong Sanuk - Chiang Muan road.

	Ban Mang	Amphoe	Chiang Muan	Changwat	Phayao
Drainage Area	621 sq.km.				
Method of sampling	Depth Integrating				
Instrument Used	US.D-49				
Period of Available Records	1997-Cont'd				
Actual Measurement	1997-Cont'd				
Using Rating Curve Water Year	2022				
Number of observation	28				
R-Square	0.9668				
Remarks	Continued Sediment Station				

$$QS = 2.2576 QW^{1.77990}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.56	2.06	2.67	283.21	21.20	127.88	263.49	9.19	5.15	0.91	0.31	0.22	
2	2.46	3.31	4.01	121.59	28.67	32.96	6303.08	8.46	5.15	1.05	0.31	0.21	
3	0.83	19.94	3.31	28.67	154.94	39.89	1712.42	9.19	4.76	1.20	0.21	0.21	
4	1.35	6.43	1.69	15.20	109.42	19.94	1090.13	9.94	4.37	1.05	0.15	0.21	
5	1.87	3.31	0.42	7.75	44.82	19.94	904.83	9.94	2.99	0.91	0.13	0.21	
6	1.20	2.06	0.61	5.99	23.85	52.85	556.97	9.19	1.87	0.91	0.11	0.21	
7	0.55	2.46	0.61	313.95	26.62	713.18	263.49	7.75	1.20	0.91	0.13	0.19	
8	0.23	3.65	0.83	283.21	972.55	528.56	154.94	7.75	1.20	0.91	0.18	0.19	
9	0.26	2.99	2.06	225.94	780.56	421.51	208.70	7.08	1.05	1.05	0.13	0.19	
10	1.87	4.01	0.68	313.95	273.27	200.59	192.63	7.08	1.05	1.20	0.13	0.19	
11	4.01	3.31	0.55	303.55	154.94	514.60	115.44	5.56	0.68	1.05	0.11	0.21	
12	2.46	3.31	0.55	140.88	1985.71	556.97	71.35	5.56	0.61	0.75	0.11	0.22	
13	1.35	18.70	0.48	127.88	1163.49	2326.73	58.75	5.99	0.55	0.68	0.11	0.22	
14	1.20	12.37	0.48	325.21	396.41	1238.93	61.80	5.99	0.83	0.61	0.11	0.19	
15	1.69	6.43	0.42	127.88	200.59	904.83	52.85	5.56	0.83	0.75	0.11	0.21	
16	2.26	7.75	0.55	61.80	200.59	384.12	37.51	7.75	0.91	1.05	0.11	0.21	
17	0.83	868.51	0.48	28.67	115.44	200.59	28.67	5.99	1.35	1.69	0.13	0.21	
18	1.69	273.27	0.48	127.88	64.92	134.31	18.70	6.43	1.52	1.05	0.09	0.21	
19	1.87	58.75	0.55	39.89	52.85	134.31	19.94	9.19	2.26	0.61	0.11	0.21	
20	1.69	18.70	0.55	408.87	42.32	74.67	18.70	7.75	2.26	0.37	0.18	0.21	
21	1.52	14.11	0.61	103.55	4793.94	162.19	14.11	7.08	2.46	0.91	0.12	0.19	
22	1.20	78.05	0.68	64.92	5507.53	68.10	15.20	7.08	2.26	0.42	0.19	0.18	
23	1.69	127.88	0.26	127.88	664.40	121.59	92.24	5.99	2.26	0.42	0.23	0.18	
24	1.35	37.51	0.26	208.70	253.87	154.94	35.21	5.15	2.06	0.26	0.23	0.18	
25	0.75	22.51	0.26	86.80	303.55	208.70	21.20	5.15	1.52	0.26	0.22	0.17	
26	1.05	9.19	0.26	32.96	140.88	244.40	17.50	5.15	0.91	0.31	0.22	0.18	
27	0.91	2.46	0.61	32.96	97.82	115.44	21.20	4.76	1.20	0.21	0.22	0.18	
28	0.83	4.76	0.48	15.20	68.10	74.67	18.70	4.76	1.20	0.18	0.22	0.18	
29	0.68	3.31	0.48	5.99	42.32	52.85	17.50	4.76	0.83	0.21		0.18	
30	0.68	3.65	140.88	5.99	21.20	42.32	13.23	5.99	0.83	0.21		0.18	
31		4.37		30.78	19.94		11.53		0.83	0.26		0.18	
Total	45.89	1629.12	166.76	4007.70	18726.71	9872.56	12412.01	207.21	56.95	22.36	4.61	6.11	47157.99 Tonday
Mean	1.53	52.55	5.56	129.28	604.09	329.09	400.39	6.91	1.84	0.72	0.16	0.20	129.20 Ton/day
Max	5.56	868.51	140.88	408.87	5507.53	2326.73	6303.08	9.94	5.15	1.69	0.31	0.22	6303.08 Ton/day
Min	0.23	2.06	0.26	5.99	19.94	19.94	11.53	4.76	0.55	0.18	0.09	0.17	0.09 Ton/day

WATER YEAR : 2022**Yom RIVER BASIN****Yom River at Ban Khlong Tan , Sukhothai (Y.33)**

Lat 17 - 10 - 08 N Long 99 - 51 - 40 E

Location : on left bank at the bridge on road from Tambon Khlong Tan.

	Ban Khlong Tan	Amphoe Si Samrong	Changwat Sukhothai
Drainage Area	12,778 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2016-Cont'd		
Actual Measurement	2016-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.9319		
Remarks	Continued Sediment Station		

$$QS = 2.5035 QW^{1.28620}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	94.74	36.02	307.40	1754.44	3212.72	331.93	133.40	9.85	0.00	0.00	
2	0.00	0.00	62.49	35.15	297.01	1713.31	8474.35	451.85	136.53	8.98	0.00	0.00	
3	0.00	0.00	25.08	54.38	314.36	3744.98	11601.89	535.30	185.27	7.72	0.00	0.00	
4	0.00	0.00	15.13	69.16	367.69	3744.98	10407.38	480.69	219.49	7.31	0.00	0.00	
5	0.00	0.00	17.33	106.16	535.30	2657.79	10670.50	297.01	175.26	6.50	0.00	0.00	
6	0.00	0.00	23.48	250.89	560.93	1982.28	8430.76	279.88	222.98	6.11	0.00	0.00	
7	0.00	0.00	24.28	208.23	700.25	1657.22	5108.73	279.88	216.01	4.95	0.00	0.00	
8	0.00	0.00	81.79	104.24	782.72	1452.38	4150.83	314.36	61.18	4.95	0.00	0.00	
9	0.00	55.34	135.36	54.38	772.10	1601.42	3008.09	455.94	24.01	4.22	0.00	0.00	
10	0.00	98.51	66.47	195.14	1302.27	3019.02	1561.93	378.57	22.95	4.22	0.00	0.00	
11	0.00	157.25	23.48	216.88	4570.16	6276.14	1522.54	367.69	213.84	4.58	0.00	0.00	
12	0.00	125.89	13.00	263.53	4917.86	7328.68	2247.65	155.63	130.60	7.72	0.00	0.00	
13	0.00	60.20	10.29	493.18	3504.48	8322.02	3051.85	216.01	70.51	12.31	0.00	0.00	
14	0.00	53.42	9.85	407.93	3504.48	7997.69	2771.85	226.48	43.16	9.41	0.00	0.00	
15	0.00	47.77	9.41	396.87	3923.14	6474.91	3132.06	244.18	18.83	2.34	0.00	0.00	
16	0.00	28.36	8.14	509.93	3987.31	4870.40	2931.87	205.65	7.31	2.19	0.00	0.00	
17	0.00	36.02	7.72	1288.69	4081.91	4754.70	2257.30	251.34	4.58	1.73	0.00	0.00	
18	0.00	135.36	13.70	1499.11	4783.22	4387.43	1697.22	315.87	3.86	1.88	0.00	0.00	
19	0.00	200.34	61.18	1405.98	4150.83	3648.29	1241.47	251.34	4.58	12.31	0.00	0.00	
20	0.00	1148.11	44.08	831.97	3212.72	2866.88	955.07	388.44	37.78	130.60	0.00	0.00	
21	0.00	2626.87	40.45	501.54	1990.96	2565.27	1128.25	497.36	37.78	36.90	0.00	0.00	
22	0.00	1812.21	38.67	1241.47	2383.64	2953.60	670.28	453.89	35.15	30.02	0.00	0.00	
23	0.00	810.00	38.67	2657.79	2931.87	3871.91	628.36	359.01	33.42	27.53	0.00	0.00	
24	0.00	670.28	38.67	2719.87	6025.17	4261.77	632.98	185.27	30.87	15.86	0.00	0.00	
25	0.00	447.76	37.78	2910.17	7868.76	4164.74	751.41	149.20	29.19	6.50	0.00	0.00	
26	0.00	439.61	37.78	3469.18	7386.93	3340.40	600.75	185.27	26.71	1.30	0.00	0.00	
27	0.00	455.94	36.90	2856.08	5796.18	4726.22	614.52	269.44	20.35	0.00	0.00	0.00	
28	0.00	423.40	36.90	1617.30	4655.09	6258.14	746.26	301.77	15.86	0.00	0.00	0.00	
29	0.00	263.53	36.02	831.97	4068.05	5029.00	501.54	274.01	13.70	0.00		0.00	
30	0.00	59.22	36.90	431.49	3340.40	3564.15	1007.10	230.00	10.95	0.00		0.00	
31		36.02		514.14	2373.87		501.54		10.29	0.00		0.00	
Total	0.00	10191.41	1125.74	28178.82	95397.06	120990.16	96219.05	9333.26	2196.40	367.99	0.00	0.00	363999.89 Tonday
Mean	0.00	328.76	37.52	908.99	3077.32	4033.01	3103.84	311.11	70.85	11.87	0.00	0.00	997.26 Ton/day
Max	0.00	2626.87	135.36	3469.18	7868.76	8322.02	11601.89	535.30	222.98	130.60	0.00	0.00	11601.89 Ton/day
Min	0.00	0.00	7.72	35.15	297.01	1452.38	501.54	149.20	3.86	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**Yom RIVER BASIN****Yom River at Ban Wang Chin , Phrae (Y.37)**

Lat 17 - 54 - 05 N Long 99 - 36 - 21 E

Location : on left bank at the bridge on road.

	Ban Wang Chin	Amphoe Wang Chin	Changwat Phrae
Drainage Area	10,265 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2007-Cont'd		
Actual Measurement	2007-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	34		
R-Square	0.9285		
Remarks	Continued Sediment Station		

$$QS = 0.3252 QW^{1.71720}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.28	21.78	134.50	8.44	399.92	1968.66	10788.32	292.42	114.43	13.61	1.84	0.23	
2	5.23	39.07	106.78	11.17	512.02	6155.08	23154.79	222.70	118.34	13.61	2.10	0.26	
3	92.16	47.51	106.78	142.91	660.79	5279.85	31591.54	248.92	103.04	13.61	1.59	0.13	
4	75.38	37.07	114.43	1236.21	807.16	2181.52	32591.90	243.58	95.73	14.48	1.23	0.06	
5	47.51	85.19	126.31	548.82	1236.21	1341.94	24500.83	207.56	75.38	14.48	1.23	0.04	
6	37.07	192.86	126.31	217.61	1296.18	957.23	12728.91	169.38	69.19	14.48	1.36	0.05	
7	27.07	160.35	92.16	305.94	1148.49	918.64	10309.43	202.61	69.19	13.61	1.36	0.09	
8	21.78	118.34	69.19	272.62	1515.34	1049.57	6755.78	164.84	66.18	12.78	0.88	0.20	
9	20.54	95.73	57.49	155.91	3733.14	3201.47	4358.92	151.52	63.23	12.78	0.99	0.20	
10	21.78	72.26	39.07	1063.47	10607.67	6512.70	3669.64	151.52	54.71	9.03	1.11	0.20	
11	15.36	95.73	29.89	831.43	15876.56	14322.30	4090.50	130.38	45.33	8.44	1.23	0.20	
12	13.61	118.34	35.12	494.03	8431.13	22681.78	2986.30	151.52	39.07	7.86	1.36	0.20	
13	14.48	72.26	37.07	660.79	12471.01	23631.87	2686.22	134.50	28.46	7.86	1.59	0.23	
14	11.96	85.19	28.46	512.02	13317.23	14939.93	2122.09	95.73	29.89	8.44	1.59	0.15	
15	8.44	103.04	25.70	1698.45	11399.66	11092.23	1987.15	142.91	27.07	8.44	1.36	0.09	
16	7.30	151.52	33.21	3311.39	6919.90	8871.96	1786.74	122.30	33.21	8.44	0.77	0.06	
17	6.75	222.70	43.20	3606.59	8871.96	4952.74	1483.16	151.52	33.21	9.03	0.40	0.04	
18	7.86	458.85	43.20	2241.64	7002.58	3481.86	931.48	212.56	28.46	9.03	0.26	0.09	
19	9.03	5060.81	39.07	868.32	4669.35	2662.11	819.19	254.31	25.70	1.36	0.20	0.67	
20	8.44	5024.68	39.07	843.60	2638.10	2495.93	639.43	243.58	25.70	1.84	0.26	0.33	
21	69.19	3201.47	69.19	3228.81	1858.62	3450.97	548.82	238.29	23.06	3.28	0.15	0.26	
22	192.86	1467.18	54.71	4810.18	4291.14	3544.00	548.82	173.98	24.36	1.23	0.15	0.40	
23	130.38	1022.80	41.12	3829.25	14051.29	4427.13	433.18	183.32	21.78	1.84	0.09	0.40	
24	92.16	1698.45	43.20	6512.70	29354.14	4704.39	392.32	142.91	19.32	3.28	0.09	0.29	
25	51.98	2221.53	28.46	6674.34	18958.48	6837.64	521.12	142.91	17.19	2.96	0.07	0.18	
26	37.07	1221.40	24.36	3765.06	8705.55	9493.34	512.02	138.68	17.19	2.96	0.07	0.04	
27	37.07	597.58	23.06	1630.23	7855.51	13648.85	399.92	122.30	16.26	2.66	0.18	0.33	
28	35.12	369.89	21.78	760.53	5882.78	11961.84	377.31	122.30	16.26	1.84	0.11	3.28	
29	27.07	272.62	23.06	512.02	3422.86	8106.69	319.71	88.65	15.36	1.23		14.48	
30	23.06	202.61	14.48	326.69	2282.10	4988.66	299.15	99.36	15.36	1.36		13.61	
31		169.38		305.94	1580.56		248.92		14.48	1.23		11.96	
Total	1150.99	24708.19	1670.43	51387.11	211757.43	209862.88	184583.61	5147.06	1346.14	227.08	23.62	48.75	691913.29 Tonday
Mean	38.37	797.04	55.68	1657.65	6830.88	6995.43	5954.31	171.57	43.42	7.33	0.84	1.57	1895.65 Ton/day
Max	192.86	5060.81	134.50	6674.34	29354.14	23631.87	32591.90	292.42	118.34	14.48	2.10	14.48	32591.90 Ton/day
Min	3.28	21.78	14.48	8.44	399.92	918.64	248.92	88.65	14.48	1.23	0.07	0.04	0.04 Ton/day

WATER YEAR : 2022**Yom RIVER BASIN****Nam Pi at Ban Phi Tai , Nan (Y.65)**

Lat 18 - 52 - 38 N Long 100 - 26 - 20 E

Location : on right bank at the bridge on road.

	Ban	Phi Tai	Amphoe	Ban Luang	Changwat	Nan
Drainage Area	129	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	2018-Cont'd					
Actual Measurement	2018-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	28					
R-Square	0.9399					
Remarks	Continued Sediment Station					

$$QS = 3.9864 QW^{1.75030}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.70	0.28	0.60	6.40	2.24	2.03	3.06	0.95	0.80	0.43	0.22	0.16	
2	0.60	0.67	0.54	3.64	3.06	1.83	7.64	0.87	0.80	0.46	0.38	0.14	
3	0.60	2.14	0.54	1.36	51.63	2.03	13.65	0.95	0.80	0.48	0.20	0.18	
4	0.54	0.70	0.51	0.73	6.92	1.83	14.36	0.95	0.77	0.48	0.33	0.22	
5	0.54	0.54	0.46	0.70	3.06	1.73	10.62	0.95	0.73	0.54	0.35	0.33	
6	0.51	0.48	0.48	0.95	2.70	2.70	12.26	0.95	0.63	0.54	0.46	0.33	
7	0.46	0.48	0.46	163.95	5.17	16.61	5.89	0.95	0.63	0.51	0.46	0.20	
8	0.46	0.54	0.43	13.65	564.35	4.94	4.49	0.87	0.63	0.51	0.46	0.16	
9	0.46	0.54	0.43	12.95	86.72	2.88	4.27	0.95	0.48	0.48	0.43	0.14	
10	0.46	0.63	0.46	51.63	16.61	2.35	3.06	0.95	0.57	0.46	0.35	0.14	
11	0.46	0.60	0.40	8.11	64.13	3.25	2.58	0.95	0.48	0.48	0.26	0.14	
12	0.46	0.63	0.26	4.06	308.65	9.58	2.14	0.95	0.48	0.54	0.46	0.14	
13	0.43	1.10	0.26	4.49	86.72	102.44	2.03	0.87	0.57	0.51	0.35	0.14	
14	0.33	0.95	0.24	9.08	24.47	23.27	2.03	0.87	0.54	0.51	0.22	0.16	
15	0.33	0.77	0.26	4.06	17.39	23.27	1.93	0.80	0.57	0.51	0.24	0.28	
16	0.24	0.77	0.24	2.35	23.27	8.11	2.03	1.02	0.67	0.48	0.33	0.46	
17	0.24	7.64	0.54	1.36	8.11	5.89	1.54	0.87	0.67	0.48	0.24	0.46	
18	0.24	5.17	0.57	0.80	5.89	4.71	1.18	0.80	0.60	0.48	0.38	0.46	
19	0.24	1.44	0.48	0.80	4.71	2.88	1.10	1.02	0.60	0.46	0.28	0.43	
20	0.48	1.10	0.51	2.24	4.27	2.70	1.10	0.87	0.60	0.46	0.43	0.35	
21	0.48	2.58	0.46	1.54	1061.23	7.18	1.02	0.95	0.57	0.46	0.46	0.46	
22	0.60	4.94	0.46	1.73	15.10	3.45	1.10	0.87	0.57	0.46	0.38	0.46	
23	0.54	5.65	0.38	1.93	47.31	3.85	4.49	0.87	0.51	0.46	0.26	0.40	
24	0.51	1.93	0.24	2.47	12.26	6.92	1.36	0.80	0.54	0.48	0.40	0.22	
25	0.51	1.18	0.24	2.03	10.09	24.47	0.80	0.80	0.60	0.48	0.35	0.18	
26	0.48	0.87	0.24	1.36	6.92	10.62	0.77	0.80	0.60	0.48	0.18	0.16	
27	0.40	0.70	0.24	1.44	6.14	4.94	0.77	0.87	0.54	0.30	0.18	0.14	
28	0.24	0.60	0.18	0.95	4.06	3.45	0.87	0.80	0.54	0.18	0.18	0.14	
29	0.24	0.67	0.20	0.80	3.06	2.47	1.10	1.54	0.46	0.14		0.13	
30	0.24	0.67	0.38	2.35	2.35	2.03	1.10	0.95	0.46	0.14		0.13	
31		0.63		12.26	2.03		1.10		0.46	0.14		0.10	
Total	13.02	47.59	11.69	322.17	2460.62	294.41	111.44	27.61	18.47	13.52	9.22	7.54	3337.30 Tonday
Mean	0.43	1.54	0.39	10.39	79.37	9.81	3.59	0.92	0.60	0.44	0.33	0.24	9.14 Ton/day
Max	0.70	7.64	0.60	163.95	1061.23	102.44	14.36	1.54	0.80	0.54	0.46	0.46	1061.23 Ton/day
Min	0.24	0.28	0.18	0.70	2.03	1.73	0.77	0.80	0.46	0.14	0.18	0.10	0.10 Ton/day

WATER YEAR : 2022**NAN RIVER BASIN****Nan River at Forestry Office , Nan (N.1)**

Lat 18 - 46 - 30 N Long 100 - 46 - 47 E

Location : on right bank in front of Forestry Office.

	Ban	Forestry Office	Amphoe	Mueang	Changwat	Nan
Drainage Area	4,570	sq.km.				
Method of sampling	Depth	Integrating				
Instrument Used	US.D-49					
Period of Available Records	1979-Cont'd					
Actual Measurement	1979-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	33					
R-Square	0.9391					
Remarks	Continued	Sediment Station				

$$QS = 0.1719 QW^{1.95940}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	58.64	18.87	781.01	3589.98	2277.56	3114.71	3544.02	548.64	184.73	52.15	18.87	5.60	
2	65.50	76.69	431.74	8519.01	1475.16	2718.31	9321.00	494.70	172.21	52.15	18.87	5.08	
3	62.02	160.31	265.67	5742.42	1669.98	2567.15	9969.18	456.04	197.68	49.04	18.87	5.08	
4	46.03	102.57	172.21	8782.41	1613.11	2173.33	6494.57	420.15	166.21	43.11	18.87	5.08	
5	33.04	40.29	121.95	3636.23	2071.50	2913.21	4996.86	420.15	143.24	43.11	18.87	5.08	
6	22.52	26.49	102.57	1846.38	1557.21	7861.56	4263.81	408.71	127.12	35.38	18.87	5.08	
7	17.39	26.49	72.73	3033.32	2795.48	4589.73	4820.30	353.82	121.95	35.38	18.87	5.60	
8	15.96	80.75	58.64	5116.29	6078.69	3114.71	4263.81	332.95	116.89	35.38	17.39	5.60	
9	13.30	143.24	52.15	1613.11	21512.36	2604.55	4065.50	332.95	107.25	33.04	17.39	5.08	
10	13.30	127.12	46.03	1343.25	8782.41	3452.97	4589.73	312.97	107.25	33.04	17.39	5.08	
11	12.05	160.31	40.29	1448.29	7781.20	7229.99	7701.24	284.13	98.01	33.04	13.30	4.58	
12	10.87	191.15	40.29	2567.15	48795.02	7463.79	4589.73	274.82	98.01	35.38	12.05	5.08	
13	10.87	834.95	35.38	2038.09	186712.26	14313.64	3407.88	265.67	93.54	43.11	12.05	5.08	
14	9.74	494.70	33.04	5482.86	100323.17	10349.15	2834.46	247.81	93.54	46.03	10.87	4.58	
15	8.68	431.74	35.38	13045.97	31839.47	6354.45	2420.23	239.11	84.91	43.11	9.74	4.58	
16	6.73	256.66	5298.02	9596.18	16600.57	6284.95	2071.50	265.67	84.91	35.38	9.74	5.08	
17	6.16	239.11	2071.50	4646.86	12109.12	5545.16	1846.38	431.74	93.54	33.04	9.74	5.08	
18	6.16	605.68	871.89	2834.46	8269.44	4589.73	1557.21	312.97	93.54	30.78	9.74	4.58	
19	12.05	256.66	591.07	3498.35	5610.54	5359.29	1557.21	322.88	93.54	28.60	10.87	5.08	
20	33.04	148.83	353.82	8023.50	4213.80	4016.65	1296.18	274.82	89.17	26.49	12.05	4.58	
21	28.60	112.02	303.20	5237.10	7861.56	5808.93	1116.12	274.82	62.02	24.47	10.87	4.58	
22	76.69	635.43	184.73	7861.56	47667.03	4532.96	1010.40	284.13	62.02	24.47	10.87	4.58	
23	89.17	4589.73	166.21	9504.02	29801.44	4704.33	1031.03	239.11	62.02	22.52	9.74	4.10	
24	58.64	1557.21	143.24	10852.74	12109.12	7781.20	929.44	217.91	62.02	22.52	8.68	3.66	
25	30.78	620.47	256.66	6010.69	12433.74	5943.06	798.80	197.68	62.02	20.66	7.67	3.66	
26	28.60	343.31	197.68	3729.59	8435.41	5482.86	781.01	224.87	58.64	20.66	6.16	2.11	
27	30.78	217.91	197.68	2913.21	11472.51	8606.37	712.83	322.88	55.35	20.66	4.58	1.62	
28	28.60	160.31	211.06	2173.33	9504.02	5482.86	763.43	284.13	55.35	20.66	4.58	1.86	
29	24.47	121.95	160.31	1846.38	5943.06	3968.08	728.84	231.94	55.35	18.87		1.86	
30	17.39	107.25	239.11	1557.21	4996.86	3114.71	635.43	204.32	52.15	18.87		1.86	
31		274.82		1907.11	3776.71		576.64		52.15	18.87		1.86	
Total	877.77	13163.02	13535.26	149997.05	626089.51	162042.39	94694.77	9482.49	3006.33	999.97	357.56	132.41	1074378.53 Tonday
Mean	29.26	424.61	451.18	4838.61	20196.44	5401.41	3054.67	316.08	96.98	32.26	12.77	4.27	2943.50 Ton/day
Max	89.17	4589.73	5298.02	13045.97	186712.26	14313.64	9969.18	548.64	197.68	52.15	18.87	5.60	186712.26 Ton/day
Min	6.16	18.87	33.04	1343.25	1475.16	2173.33	576.64	197.68	52.15	18.87	4.58	1.62	1.62 Ton/day

WATER YEAR : 2022**NAN RIVER BASIN****Nan River at Nai Mueang , Uttaradit (N.2B)**

Lat 17 - 36 - 36 N Long 100 - 05 - 59 E

Location : on right bank at Mueang, Uttaradit.

	Ban Nai Mueang	Amphoe Mueang	Changwat Uttaradit
Drainage Area	16,744 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2015,2020-Cont'd		
Actual Measurement	2015,2020-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	25		
R-Square	0.6579		
Remarks	Continued Sediment Station		

$$QS = 0.0723 QW^{1.79720}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	321.53	321.53	346.54	697.89	1185.09	194.44	262.66	397.15	413.23	870.04	836.45	1034.33	
2	346.54	346.54	381.36	825.43	321.53	185.64	1925.93	389.25	657.49	825.43	938.91	1010.09	
3	315.41	352.93	413.23	771.10	203.42	231.43	10059.71	381.36	627.86	825.43	927.23	1185.09	
4	340.21	321.53	381.36	637.70	405.19	226.65	5132.39	389.25	637.70	881.32	870.04	1212.36	
5	327.71	327.71	627.86	480.36	781.86	274.01	2381.23	397.15	627.86	938.91	847.61	974.17	
6	340.21	309.34	637.70	551.92	647.52	279.77	1405.72	397.15	598.91	927.23	892.74	962.38	
7	315.41	373.60	627.86	570.50	618.17	437.91	454.69	397.15	618.17	847.61	915.70	950.57	
8	303.32	413.23	718.48	803.52	489.09	340.21	279.77	421.41	870.04	836.45	904.14	950.57	
9	327.71	446.23	647.52	627.86	1906.76	352.93	236.26	429.59	950.57	938.91	825.43	881.32	
10	327.71	327.71	515.59	579.93	1159.33	241.12	274.01	405.19	962.38	1314.90	836.45	781.86	
11	346.54	421.41	533.62	589.35	881.32	667.45	194.44	405.19	1270.50	760.47	836.45	1146.50	
12	309.34	413.23	405.19	760.47	749.84	1588.25	139.27	397.15	1329.85	881.32	803.52	1058.82	
13	333.93	309.34	389.25	1095.99	1226.78	760.47	129.49	389.25	2182.86	836.45	881.32	781.86	
14	333.93	251.52	405.19	657.49	647.52	986.11	129.49	389.25	2023.06	825.43	892.74	814.40	
15	340.21	251.52	413.23	974.17	291.44	697.89	129.49	389.25	2162.59	792.62	814.40	881.32	
16	309.34	303.32	359.36	373.60	309.34	315.41	132.72	389.25	1964.53	927.23	1108.57	814.40	
17	315.41	497.83	506.71	333.93	814.40	207.97	129.49	405.19	1716.56	825.43	781.86	904.14	
18	321.53	1405.72	524.60	207.97	570.50	194.44	135.98	437.91	1108.57	803.52	687.65	870.04	
19	352.93	542.77	718.48	346.54	542.77	190.01	126.30	413.23	749.84	847.61	836.45	825.43	
20	373.60	346.54	506.71	421.41	359.36	177.02	152.80	413.23	1375.14	915.70	836.45	771.10	
21	471.75	291.44	359.36	803.52	359.36	177.02	149.37	397.15	1159.33	998.02	927.23	792.62	
22	446.23	274.01	489.09	847.61	1945.19	185.64	142.60	421.41	1133.83	847.61	781.86	938.91	
23	446.23	321.53	618.17	1212.36	359.36	217.22	120.03	405.19	1185.09	881.32	847.61	814.40	
24	413.23	291.44	551.92	1534.53	212.58	212.58	123.15	397.15	1133.83	858.75	858.75	760.47	
25	389.25	217.22	570.50	352.93	268.31	397.15	132.72	389.25	892.74	760.47	803.52	938.91	
26	365.85	246.04	836.45	217.22	346.54	231.43	139.27	389.25	927.23	962.38	915.70	904.14	
27	373.60	327.71	413.23	825.43	771.10	251.52	132.72	389.25	847.61	1022.13	847.61	847.61	
28	321.53	373.60	489.09	533.62	697.89	231.43	168.58	381.36	1058.82	814.40	1121.12	927.23	
29	333.93	346.54	739.35	285.58	352.93	217.22	262.66	381.36	927.23	870.04		858.75	
30	381.36	340.21	749.84	542.77	160.33	212.58	381.36	389.25	836.45	847.61		858.75	
31		340.21		405.19	241.12		381.36		927.23	825.43		803.52	
Total	10545.48	11653.50	15876.84	19867.89	19825.94	10882.92	25945.66	11974.17	33877.10	27310.17	24377.51	28256.06	240393.24 Ton/day
Mean	351.52	375.92	529.23	640.90	639.55	362.76	836.96	399.14	1092.81	880.97	870.63	911.49	658.61 Ton/day
Max	471.75	1405.72	836.45	1534.53	1945.19	1588.25	10059.71	437.91	2182.86	1314.90	1121.12	1212.36	10059.71 Ton/day
Min	303.32	217.22	346.54	207.97	160.33	177.02	120.03	381.36	413.23	760.47	687.65	760.47	120.03 Ton/day

WATER YEAR : 2022**NAN RIVER BASIN****Nan River at Mueang , Phitsanulok (N.5A)**

Lat 16 - 48 - 22 N Long 100 - 14 - 45 E

Location : on right bank near the Post Office and about 1 kilometer upstream from gaging station N.5

	Ban Nai Mueang	Amphoe Mueang	Changwat Phitsanulok
Drainage Area	24,876 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2000-Cont'd		
Actual Measurement	2000-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	28		
R-Square	0.7918		
Remarks	Continued Sediment Station		

$$QS = 0.1183 QW^{1.76780}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	292.41	585.49	296.47	296.47	877.94	5218.79	4848.66	647.43	425.49	813.97	543.75	628.57	
2	268.58	549.63	272.49	250.78	2085.53	4266.62	5445.46	526.27	460.98	786.22	487.08	863.55	
3	257.70	509.04	240.57	247.36	1872.23	3465.23	9443.63	514.76	641.12	698.92	622.33	899.73	
4	247.36	476.56	503.35	317.70	1146.42	2963.10	16836.43	514.76	679.41	666.54	616.12	877.94	
5	240.57	445.62	487.08	308.98	951.47	2882.74	18459.94	520.50	628.57	705.48	616.12	1004.47	
6	237.21	381.69	405.77	217.46	1313.61	2678.32	16097.70	543.75	555.54	685.89	555.54	1114.17	
7	233.86	425.49	503.35	280.38	1658.01	2586.18	13199.06	555.54	509.04	752.12	573.43	1012.14	
8	237.21	460.98	537.89	322.10	2158.84	2740.52	11086.99	532.07	543.75	660.14	616.12	944.00	
9	230.54	579.44	603.79	300.55	3176.50	2979.28	9794.69	543.75	772.50	597.66	685.89	966.49	
10	227.24	725.31	567.44	476.56	4803.23	3891.30	8903.21	597.66	974.03	705.48	698.92	856.39	
11	223.96	738.66	543.75	514.76	5171.88	4226.82	7954.87	549.63	1043.08	828.01	609.94	765.68	
12	223.96	914.39	476.56	526.27	4019.59	5550.52	6734.51	532.07	1195.54	870.73	647.43	828.01	
13	227.24	899.73	425.49	634.83	3413.49	7318.78	5709.74	514.76	1195.54	725.31	543.75	914.39	
14	230.54	745.37	415.58	929.14	3982.75	7709.83	5315.36	532.07	1585.84	731.97	573.43	800.04	
15	230.54	579.44	396.06	877.94	4803.23	6994.82	4645.68	476.56	1883.82	597.66	597.66	705.48	
16	227.24	410.66	526.27	981.60	4001.15	6338.13	4149.69	430.48	1872.23	622.33	549.63	800.04	
17	223.96	455.83	476.56	666.54	3909.51	5289.50	3657.85	455.83	2001.39	745.37	731.97	679.41	
18	230.54	989.20	445.62	372.24	4472.09	3836.87	3060.79	481.81	2146.54	820.98	765.68	672.96	
19	863.55	2296.09	476.56	344.50	4986.07	3110.15	2555.78	555.54	1724.44	718.67	440.55	653.77	
20	497.69	2122.04	466.15	330.98	4963.05	3060.79	1965.80	555.54	1418.64	698.92	367.55	597.66	
21	367.55	1418.64	549.63	362.89	4450.74	2454.37	1499.71	481.81	1746.83	705.48	481.81	549.63	
22	349.06	974.03	425.49	779.35	4266.62	2321.43	1187.29	647.43	1702.17	685.89	616.12	597.66	
23	450.71	765.68	353.64	1636.78	7229.80	2245.75	1082.32	666.54	1575.73	543.75	758.88	573.43	
24	367.55	597.66	284.37	2073.42	7141.28	2296.09	974.03	597.66	1490.61	653.77	856.39	616.12	
25	326.53	440.55	276.42	2440.75	5576.92	2662.87	907.05	561.47	1237.15	591.56	899.73	487.08	
26	296.47	304.66	288.38	1930.48	5148.49	3711.16	842.14	679.41	856.39	585.49	842.14	567.44	
27	272.49	284.37	317.70	989.20	5289.50	4712.92	745.37	647.43	921.75	591.56	892.44	591.56	
28	272.49	288.38	339.97	899.73	6820.80	5195.31	731.97	555.54	820.98	685.89	752.12	616.12	
29	264.69	304.66	264.69	944.00	8423.24	5101.85	660.14	497.69	892.44	616.12		628.57	
30	261.18	313.33	268.58	828.01	7498.17	4780.58	622.33	450.71	856.39	597.66		666.54	
31		308.98		745.37	6282.36		622.33		807.00	603.79		647.43	
Total	8880.62	21291.60	12435.67	22827.12	131894.51	122590.62	169740.52	16366.47	35164.93	21293.33	17942.52	23126.47	603554.38 Tonday
Mean	296.02	686.83	414.52	736.36	4254.66	4086.35	5475.50	545.55	1134.35	686.88	640.80	746.02	1653.57 Ton/day
Max	863.55	2296.09	603.79	2440.75	8423.24	7709.83	18459.94	679.41	2146.54	870.73	899.73	1114.17	18459.94 Ton/day
Min	223.96	284.37	240.57	217.46	877.94	2245.75	622.33	430.48	425.49	543.75	367.55	487.08	217.46 Ton/day

WATER YEAR : 2022**NAN RIVER BASIN****Nan River at Ban Rat Chang Khwan , Phichit (N.7A)**

Lat 16 - 28 - 10 N Long 100 - 19 - 51 E

Location : on right bank in front of Phichit Phitthaya Khom School

	Ban	Rat Chang Khwan	Amphoe	Mueang	Changwat	Phichit
Drainage Area	27,969	sq.km.				
Method of sampling	Depth	Integrating				
Instrument Used	US.D-49					
Period of Available Records	2001-Cont'd					
Actual Measurement	2001-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	22					
R-Square	0.9185					
Remarks	Continued Sediment Station					

QS = 1.1588 QW^{1.33880}**Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023**

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	611.22	693.80	575.93	387.85	1879.31	7868.53	9504.40	3276.77	894.38	1036.86	795.19	789.77	
2	601.08	709.57	463.90	396.04	1915.65	7308.30	9632.11	3038.50	827.93	1036.86	762.80	741.39	
3	601.08	672.91	417.16	383.80	2512.90	6746.90	10168.80	2795.63	844.42	1007.94	714.85	883.21	
4	585.96	626.50	408.45	383.80	2281.79	6147.70	11219.47	2612.34	973.51	933.73	800.62	922.44	
5	662.52	590.99	688.56	417.16	1864.82	5756.20	11844.22	2468.02	1002.18	911.19	827.93	922.44	
6	762.80	546.12	693.80	408.45	1764.21	5562.40	11889.18	2343.46	922.44	928.08	838.91	1007.94	
7	736.06	507.01	616.30	383.80	2073.59	5495.31	11754.45	2177.06	833.41	928.08	822.45	1065.98	
8	693.80	541.19	662.52	391.97	2657.87	5643.26	11687.23	2047.92	849.93	967.80	800.62	1007.94	
9	678.11	616.30	688.56	426.41	3579.60	6032.84	11597.76	1893.82	911.19	899.97	827.93	967.80	
10	657.34	757.43	725.44	449.75	4926.39	6312.72	11508.47	1879.31	1060.14	855.46	899.97	967.80	
11	652.18	855.46	709.57	672.91	6131.25	6865.03	11374.85	1828.73	1196.51	933.73	928.08	883.21	
12	683.33	872.08	683.33	877.64	6579.04	7463.36	11175.17	1650.99	1250.98	1048.48	849.93	822.45	
13	704.31	973.51	626.50	1077.69	6395.65	8048.46	10888.34	1539.69	1356.46	1042.67	827.93	872.08	
14	709.57	973.51	580.94	1318.39	6197.09	8477.95	10647.11	1369.83	1437.17	950.73	778.95	928.08	
15	683.33	860.99	556.02	1636.97	6428.90	8664.25	10363.80	1060.14	1700.29	939.39	795.19	844.42	
16	580.94	725.44	565.95	1728.63	6797.46	8622.76	10017.79	950.73	1864.82	844.42	699.05	757.43	
17	521.59	575.93	704.31	1728.63	6831.23	8395.49	9632.11	883.21	1908.37	855.46	657.34	730.75	
18	521.59	657.34	678.11	1410.13	6915.82	8084.57	9144.94	950.73	1996.22	967.80	800.62	720.14	
19	507.01	1178.48	652.18	1118.92	6966.70	7636.61	8581.32	1013.71	2018.34	1013.71	795.19	678.11	
20	536.27	1988.86	631.61	1019.48	6983.68	7584.53	8048.46	1083.56	1764.21	939.39	570.94	611.22	
21	606.14	2033.12	626.50	1707.36	6865.03	7359.89	7273.95	1025.27	1629.97	922.44	473.39	606.14	
22	672.91	1807.16	652.18	1944.85	6713.24	7017.67	6428.90	996.43	1814.34	928.08	570.94	652.18	
23	768.17	1588.14	570.94	2229.27	7171.16	6662.84	5723.88	1107.10	1764.21	877.64	704.31	652.18	
24	816.98	1457.53	478.16	3200.03	7868.53	6646.06	5268.47	1124.84	1686.16	806.07	838.91	647.02	
25	784.36	1293.77	404.28	3947.40	7814.76	7171.16	4939.50	1071.83	1616.00	844.42	905.58	647.02	
26	730.75	1101.20	391.97	4361.06	7549.86	7958.37	4603.10	1054.31	1349.78	816.98	922.44	565.95	
27	636.74	939.39	400.19	3924.57	7567.19	8726.57	4285.33	1113.00	1154.56	789.77	883.21	631.61	
28	551.06	866.53	431.05	3228.75	7796.85	9165.98	4085.06	1095.31	1130.77	816.98	916.81	652.18	
29	590.99	838.91	440.37	2841.93	8265.72	9398.32	3879.02	1042.67	1095.31	877.64		662.52	
30	657.34	806.07	387.85	2521.90	8457.32	9504.40	3634.47	996.43	1118.92	827.93		683.33	
31		714.85		2177.06	8229.41		3421.89		1095.31	811.52		720.14	
Total	19505.53	29370.09	17112.63	48702.60	175982.02	222328.43	264223.55	47491.34	41068.23	28361.22	22010.08	24244.87	940400.59 Tonday
Mean	650.18	947.42	570.42	1571.05	5676.84	7410.95	8523.34	1583.04	1324.78	914.88	786.07	782.09	2576.44 Ton/day
Max	816.98	2033.12	725.44	4361.06	8457.32	9504.40	11889.18	3276.77	2018.34	1048.48	928.08	1065.98	11889.18 Ton/day
Min	507.01	507.01	387.85	383.80	1764.21	5495.31	3421.89	883.21	827.93	789.77	473.39	565.95	383.80 Ton/day

WATER YEAR : 2022**NAN RIVER BASIN****Nan River at Bang Mun Nak , Phichit (N.8)**

Lat 16 - 01 - 52 N Long 100 - 22 - 38 E

Location : on right bank opposite to Wat Bang Mun Nak.

	Ban -	Amphoe Bang Mun Nak	Changwat Phichit
Drainage Area	32,594 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1997-Cont'd		
Actual Measurement	1997-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	23		
R-Square	0.8798		
Remarks	Continued Sediment Station		

$$QS = 1.2447 QW^{1.33260}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1318.75	781.97	734.06	494.82	2908.89	9665.63	12262.46	5419.31	1065.32	962.30	721.13	889.05	
2	1293.81	764.46	611.51	487.00	2426.47	9230.04	12443.55	5050.60	1027.56	916.35	708.25	777.59	
3	1283.86	764.46	490.91	479.22	2517.53	8791.03	12868.65	4616.76	953.07	911.79	674.20	781.97	
4	1273.94	716.83	422.28	438.69	2821.28	8023.12	13358.81	4288.85	966.93	875.48	665.76	884.52	
5	1268.98	648.94	448.61	415.76	2509.22	7578.31	13822.44	3919.96	1036.97	826.17	725.43	925.50	
6	1264.03	599.16	665.76	461.93	2062.91	7310.74	14071.32	3659.87	1022.86	839.55	786.36	962.30	
7	1264.03	542.35	682.68	448.61	1984.16	7064.52	14133.71	3482.98	943.85	812.85	790.76	1018.17	
8	1264.03	518.45	661.54	386.73	2451.22	7007.91	14196.18	3237.03	861.96	826.17	768.83	1018.17	
9	1259.08	550.38	695.44	419.01	3328.73	7177.93	14196.18	3007.94	870.97	844.02	738.39	976.19	
10	1264.03	632.24	725.43	483.11	4801.50	7310.74	14164.94	3098.70	898.13	808.42	751.40	962.30	
11	1259.08	751.40	764.46	582.78	6208.67	7867.71	14071.32	3053.24	1013.48	790.76	799.58	962.30	
12	1259.08	821.72	764.46	812.85	7158.92	8912.44	13946.74	2710.60	1093.87	848.50	799.58	893.59	
13	1293.81	880.00	747.05	1032.26	7539.94	9426.85	13791.41	2509.22	1175.75	934.66	773.21	839.55	
14	1283.86	966.93	742.72	1209.89	7578.31	9826.99	13574.68	2344.42	1259.08	902.68	768.83	884.52	
15	1268.98	980.84	703.97	1472.43	7693.72	10097.40	13389.59	2039.21	1328.77	857.47	712.54	934.66	
16	1264.03	980.84	648.94	1763.26	7984.20	10016.09	13143.80	1671.54	1542.68	826.17	703.97	889.05	
17	1259.08	703.97	665.76	1890.68	8218.44	9826.99	12807.71	1449.20	1658.54	747.05	686.92	934.66	
18	1268.98	607.38	755.75	1836.17	8285.70	9692.48	12322.75	1368.62	1704.15	764.46	712.54	848.50	
19	1323.76	729.75	738.39	1566.27	8405.34	9402.20	11842.52	1403.01	1783.07	857.47	826.17	781.97	
20	1328.77	1313.76	721.13	1298.79	8453.31	9230.04	11515.14	1420.29	1756.66	861.96	781.97	751.40	
21	1374.34	2015.57	682.68	1244.28	8477.32	9156.50	10781.33	1403.01	1560.36	826.17	590.96	703.97	
22	1374.34	2015.57	669.98	1501.60	8429.32	8912.44	10151.70	1313.76	1525.04	812.85	506.60	632.24	
23	1351.50	1822.86	721.13	2134.44	8501.35	8525.40	9558.43	1283.86	1584.03	821.72	599.16	665.76	
24	1318.75	1645.56	648.94	3247.19	8888.13	8333.50	8936.77	1313.76	1536.79	760.10	734.06	653.14	
25	1298.79	1495.75	534.36	4690.44	9181.00	8766.80	8381.37	1293.81	1466.61	729.75	861.96	648.94	
26	1288.83	1323.76	542.35	5548.99	9107.56	9612.00	7887.02	1278.90	1380.06	716.83	907.23	628.08	
27	1278.90	1141.85	554.41	5752.24	9107.56	10369.63	7463.34	1254.14	1151.51	699.70	902.68	595.05	
28	1273.94	1008.80	562.48	5333.28	9205.51	11101.82	7045.59	1244.28	1041.68	686.92	880.00	636.40	
29	1273.94	925.50	607.38	4752.06	9478.23	11663.66	6522.73	1185.48	1027.56	725.43		661.54	
30	1273.94	880.00	574.64	4180.90	9773.13	12052.03	6075.26	1098.64	1004.13	760.10		674.20	
31		826.17		3597.19	9880.93		5781.42		994.80	729.75		674.20	
Total	38671.24	30357.22	19489.20	59962.87	205368.50	271952.94	354508.86	72420.99	38236.24	25283.60	20878.47	25089.48	1162219.61 Ton/day
Mean	1289.04	979.27	649.64	1934.29	6624.79	9065.10	11435.77	2414.03	1233.43	815.60	745.66	809.34	3184.16 Ton/day
Max	1374.34	2015.57	764.46	5752.24	9880.93	12052.03	14196.18	5419.31	1783.07	962.30	907.23	1018.17	14196.18 Ton/day
Min	1259.08	518.45	422.28	386.73	1984.16	7007.91	5781.42	1098.64	861.96	686.92	506.60	595.05	386.73 Ton/day

WATER YEAR : 2022

NAN RIVER BASIN

Nan River at Ban Hat Phai , Uttaradit (N.12A)

Lat 17 - 44 - 13 N Long 100 - 31 - 54 E

Location : on right bank about 4 kilometers downstream, Sirikit Dam Site, along Phasom - Silot road.

	Ban Hat Phai	Amphoe Tha Pla	Changwat Uttaradit
Drainge Area	15,562 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1996-Cont'd		
Actual Measurement	1996-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	21		
R-Square	0.4029		
Remarks	Continued Sediment Station		

$$QS = 3.1806 QW^{0.90260}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	182.56	136.33	161.40	287.60	261.76	123.64	180.80	166.71	248.72	266.09	328.84	390.87	
2	145.77	156.05	159.61	263.92	156.05	137.92	363.48	175.54	233.41	242.17	306.81	321.36	
3	147.35	136.33	170.24	233.41	287.60	130.00	462.50	177.29	235.61	306.81	311.59	302.02	
4	154.28	145.77	184.30	206.58	270.68	133.17	321.36	182.56	235.61	299.63	318.86	363.48	
5	152.48	131.60	268.24	246.53	214.61	157.84	393.62	170.24	218.62	313.99	323.85	299.63	
6	163.16	145.77	194.46	237.79	198.51	164.94	204.57	170.24	229.01	306.81	311.59	282.77	
7	125.24	133.17	263.92	190.41	159.61	159.61	156.05	210.60	273.10	299.63	323.85	290.01	
8	139.49	200.53	229.01	194.46	333.81	190.41	142.63	177.29	282.77	302.02	361.02	306.81	
9	148.90	117.24	194.46	206.58	328.84	131.60	126.82	188.38	282.77	338.77	275.53	331.32	
10	161.40	159.61	204.57	204.57	280.36	192.44	111.46	194.46	388.10	318.86	304.42	333.81	
11	131.60	159.61	156.05	333.81	222.62	270.68	98.35	166.71	388.10	338.77	270.68	318.86	
12	133.17	133.17	154.28	302.02	242.17	226.82	115.80	164.94	435.93	353.62	261.76	297.22	
13	145.77	115.80	182.56	208.59	323.85	282.77	128.42	164.94	498.64	338.77	323.85	280.36	
14	164.94	136.33	172.01	323.85	196.49	244.36	118.85	168.48	507.86	294.83	326.35	297.22	
15	128.42	141.07	156.05	177.29	168.48	172.01	108.56	170.24	538.48	338.77	285.19	311.59	
16	131.60	150.70	242.17	164.94	208.59	159.61	117.24	188.38	474.26	287.60	346.21	299.63	
17	125.24	180.80	210.60	139.49	206.58	112.91	115.80	206.58	390.87	306.81	313.99	313.99	
18	163.16	182.56	226.82	231.22	268.24	133.17	98.35	159.61	353.62	331.32	290.01	270.68	
19	166.71	159.61	188.38	180.80	216.62	134.76	104.20	186.34	407.38	309.21	299.63	280.36	
20	212.61	139.49	188.38	255.24	130.00	128.42	104.20	161.40	396.38	299.63	280.36	277.94	
21	156.05	139.49	179.05	263.92	253.08	122.05	90.99	237.79	368.73	273.10	287.60	292.41	
22	156.05	148.90	210.60	275.53	246.53	123.64	96.88	150.70	379.82	277.94	302.02	294.83	
23	156.05	154.28	206.58	290.01	142.63	130.00	111.46	170.24	382.58	311.59	302.02	266.09	
24	159.61	131.60	237.79	353.62	156.05	136.33	107.11	180.80	259.58	313.99	306.81	257.42	
25	152.48	137.92	216.62	190.41	159.61	117.24	104.20	180.80	299.63	311.59	257.42	253.08	
26	170.24	150.70	200.53	231.22	150.70	125.24	108.56	188.38	309.21	316.37	261.76	323.85	
27	144.21	156.05	214.61	177.29	222.62	159.61	147.35	175.54	333.81	311.59	302.02	292.41	
28	139.49	148.90	210.60	179.05	172.01	117.24	179.05	186.34	348.68	299.63	407.38	309.21	
29	180.80	157.84	275.53	210.60	134.76	120.44	177.29	206.58	309.21	290.01		287.60	
30	131.60	142.63	263.92	163.16	152.48	123.64	182.56	177.29	316.37	290.01		263.92	
31		161.40		299.63	144.21		159.61		306.81	299.63		244.36	
Total	4570.43	4591.25	6123.34	7223.54	6610.15	4662.51	5038.12	5405.39	10633.67	9489.56	8591.42	9255.11	82194.49 Tonday
Mean	152.35	148.10	204.11	233.02	213.23	155.42	162.52	180.18	343.02	306.11	306.84	298.55	225.19 Ton/day
Max	212.61	200.53	275.53	353.62	333.81	282.77	462.50	237.79	538.48	353.62	407.38	390.87	538.48 Ton/day
Min	125.24	115.80	154.28	139.49	130.00	112.91	90.99	150.70	218.62	242.17	257.42	244.36	90.99 Ton/day

WATER YEAR : 2022**NAN RIVER BASIN****Khek River at Ban Wang Nok Aen , Phitsanulok (N.24A)**

Lat 16 - 50 - 50 N Long 100 - 30 - 44 E

Location : on right bank about 2 kilometers downstream from Sakunothayan Fall.

	Ban	Wang Nok Aen	Amphoe	Wang Thong	Changwat	Phitsanulok
Drainage Area	1,840	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1996-Cont'd					
Actual Measurement	1996-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	23					
R-Square	0.9747					
Remarks	Continued Sediment Station					

$$QS = 2.9544 QW^{1.39880}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	32.89	29.65	81.57	19.97	480.34	561.20	4143.16	153.93	107.28	26.51	7.36	1.31	
2	24.07	45.30	27.13	29.01	307.14	832.07	4642.83	144.20	98.19	25.89	6.93	1.58	
3	14.51	26.51	26.51	33.55	364.47	773.85	5758.70	137.85	91.96	24.67	6.51	1.31	
4	11.98	17.18	18.84	44.58	438.02	553.47	3082.56	132.93	89.33	24.07	6.10	1.31	
5	9.13	11.98	19.97	65.06	608.41	605.77	2414.71	123.25	82.42	23.47	6.10	1.06	
6	8.68	12.47	35.55	74.84	678.59	1891.28	1763.71	116.60	76.50	22.88	5.70	0.82	
7	7.36	12.47	31.58	82.42	1189.10	1779.06	1415.74	112.84	74.84	22.29	5.70	0.82	
8	6.10	20.54	26.51	66.66	3929.52	1343.99	1273.32	109.13	70.72	21.70	7.36	0.82	
9	4.54	42.44	20.54	139.83	5173.26	828.97	1313.57	104.53	69.09	20.54	14.51	2.47	
10	3.12	57.99	21.70	178.03	3660.76	908.14	1021.56	99.09	65.86	18.84	14.51	10.53	
11	2.47	46.74	21.70	707.98	2493.36	991.93	897.79	94.62	61.89	18.84	15.56	11.98	
12	1.58	31.58	19.40	1032.73	1619.72	1106.10	690.30	91.08	58.76	18.28	13.99	17.18	
13	1.06	40.34	15.03	863.19	1102.07	1395.13	600.31	87.59	51.16	18.28	11.00	22.88	
14	0.60	42.44	17.73	933.42	1634.71	1597.31	545.77	85.85	46.02	17.73	9.13	22.88	
15	0.40	28.38	56.45	894.63	991.93	1333.83	522.85	84.99	45.30	17.73	7.79	17.73	
16	0.00	24.07	43.15	616.73	1817.63	1263.31	446.63	84.99	43.86	17.18	6.93	18.84	
17	0.00	19.40	30.29	915.34	2226.73	991.93	438.02	85.85	41.74	16.10	5.70	17.73	
18	0.00	69.90	74.84	693.24	1283.35	1055.41	386.18	96.40	40.34	15.03	4.92	16.10	
19	31.58	45.30	44.58	390.16	838.26	2068.82	345.05	97.29	38.26	13.99	4.54	16.63	
20	21.12	34.88	30.29	398.17	672.76	1313.57	312.74	88.46	36.22	13.99	4.54	16.63	
21	8.68	24.67	26.51	962.54	1288.49	915.34	288.97	84.13	34.88	12.97	4.17	15.56	
22	130.01	46.74	21.12	1228.58	2504.65	1184.08	270.67	79.02	33.55	12.47	3.12	13.99	
23	131.96	33.55	15.56	3643.46	1841.39	3023.37	262.46	72.36	33.55	11.98	1.87	13.99	
24	41.03	36.22	12.47	3678.09	1021.56	3337.88	249.92	69.09	32.23	11.49	3.12	13.48	
25	26.51	34.88	10.53	1857.98	856.94	4065.10	233.25	75.67	32.23	10.53	3.12	13.48	
26	29.01	27.75	13.99	1025.28	875.72	8982.23	216.76	133.91	31.58	10.05	2.79	12.97	
27	20.54	29.65	13.99	746.70	1263.31	8869.38	207.95	158.15	30.29	10.05	3.12	12.97	
28	13.99	20.54	25.28	619.39	1318.75	4707.64	199.25	175.24	29.01	9.13	2.16	12.47	
29	17.73	15.03	19.97	440.25	1273.32	3052.92	184.98	115.66	28.38	8.68		11.49	
30	32.89	12.47	15.56	442.32	894.63	3052.92	172.47	104.53	27.75	7.79		11.00	
31		15.56		535.55	710.93		160.99		27.13	7.36		11.98	
Total	633.54	956.62	838.34	23359.68	45359.82	64386.00	34463.17	3199.23	1630.32	510.51	188.35	343.99	175869.57 Ton/day
Mean	21.12	30.86	27.94	753.54	1463.22	2146.20	1111.72	106.64	52.59	16.47	6.73	11.10	481.83 Ton/day
Max	131.96	69.90	81.57	3678.09	5173.26	8982.23	5758.70	175.24	107.28	26.51	15.56	22.88	8982.23 Ton/day
Min	0.00	11.98	10.53	19.97	307.14	553.47	160.99	69.09	27.13	7.36	1.87	0.82	0.00 Ton/day

[illegible]

WATER YEAR : 2022**NAN RIVER BASIN****Lam Nam Khan at Ban Na Pho Na Chan , Phitsanulok (N.59)**

Lat 17 - 02 - 14 N Long 100 - 50 - 29 E

Location : on left bank at Ban Na Chan.

	Ban Na Pho Na Chan	Amphoe Nakhon Thai	Changwat Phitsanulok
Drainge Area	420 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2001-Cont'd		
Actual Measurement	2001-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	17		
R-Square	0.9574		
Remarks	Continued Sediment Station		

$$QS = 6.6664 QW^{1.47200}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	11.40	6.57	13.93	4.89	287.20	1040.18	1077.56	23.74	14.68	4.89	2.26	0.67	
2	7.47	13.56	13.93	5.43	233.53	739.17	586.64	22.86	13.93	4.89	2.47	0.67	
3	5.71	10.37	13.93	4.62	130.43	289.50	669.22	21.56	13.56	4.62	2.69	0.67	
4	4.62	6.57	13.93	3.86	125.87	287.20	485.73	20.71	13.56	4.62	2.91	0.67	
5	4.11	4.89	13.93	8.72	273.53	278.06	273.53	19.45	13.19	4.62	3.14	0.67	
6	3.86	4.89	13.93	7.47	134.01	1431.18	220.75	18.22	12.47	4.36	3.62	0.67	
7	3.62	4.11	13.93	8.40	92.72	1153.57	179.03	17.82	11.75	4.36	3.86	0.67	
8	3.14	3.62	13.56	6.28	2043.11	215.35	202.91	17.02	11.05	4.36	4.11	0.82	
9	2.69	11.75	13.56	177.62	1662.95	231.69	180.44	16.62	10.37	4.11	4.11	0.82	
10	2.26	14.68	13.56	385.73	1870.80	187.55	155.86	15.84	10.03	4.11	3.86	0.82	
11	1.86	16.23	12.83	1029.30	1312.07	129.41	119.14	14.68	9.37	3.86	3.62	0.82	
12	1.48	17.82	12.47	2392.27	485.73	353.03	97.56	13.93	8.72	3.86	3.14	0.82	
13	1.48	13.93	12.11	1927.89	407.19	453.48	88.20	14.31	7.47	3.62	2.69	0.82	
14	1.13	9.70	10.71	660.63	553.95	377.11	81.98	13.93	7.16	3.62	2.26	0.82	
15	0.82	6.28	9.70	388.62	964.78	169.25	73.36	13.56	7.16	3.38	1.86	0.82	
16	0.82	5.16	8.72	252.17	1522.66	56.87	77.63	13.56	6.57	3.38	1.67	0.67	
17	0.67	10.71	7.47	379.98	2166.09	38.82	65.86	13.56	6.28	3.14	1.48	0.67	
18	2.26	10.03	6.86	115.93	1870.80	90.90	58.24	13.93	5.99	3.14	1.30	0.67	
19	1.67	9.70	6.28	79.36	606.54	385.73	52.82	22.86	5.71	2.91	1.13	0.67	
20	5.43	9.70	5.43	1446.02	332.21	222.56	48.31	17.02	5.71	2.91	0.97	0.67	
21	50.17	8.72	4.89	1040.18	4198.35	134.01	47.57	13.56	5.71	2.69	0.82	0.53	
22	118.15	8.08	4.62	923.47	3427.09	116.92	42.50	12.47	5.71	2.69	0.82	0.53	
23	118.15	7.77	4.62	1052.60	730.30	259.76	40.74	11.40	5.43	2.47	0.82	0.53	
24	19.45	7.47	4.36	403.89	721.47	119.14	37.62	12.11	5.43	2.47	0.67	0.53	
25	12.47	7.16	6.86	332.21	229.85	347.79	35.25	27.36	5.43	2.26	0.67	0.41	
26	7.77	6.86	4.89	107.22	291.80	1102.71	32.93	25.23	5.43	2.26	0.67	0.41	
27	5.71	6.86	5.71	220.75	424.92	547.48	31.79	106.02	5.16	2.06	0.67	0.41	
28	4.89	6.57	6.28	324.33	299.08	342.57	31.31	101.76	5.16	2.06	0.67	0.29	
29	4.36	6.57	4.62	65.86	237.22	495.08	29.08	24.19	5.16	2.06		0.29	
30	6.86	6.86	3.86	111.55	201.15	573.49	26.90	16.23	5.16	2.06		0.29	
31		6.86		296.76	229.85		25.23		5.16	2.06		0.29	
Total	414.48	270.05	281.48	14164.01	28067.25	12169.56	5175.69	695.51	253.67	103.90	58.96	19.11	61673.67 Tonday
Mean	13.82	8.71	9.38	456.90	905.40	405.65	166.96	23.18	8.18	3.35	2.11	0.62	168.97 Ton/day
Max	118.15	17.82	13.93	2392.27	4198.35	1431.18	1077.56	106.02	14.68	4.89	4.11	0.82	4198.35 Ton/day
Min	0.67	3.62	3.86	3.86	92.72	38.82	25.23	11.40	5.16	2.06	0.67	0.29	0.29 Ton/day

WATER YEAR : 2022**NAN RIVER BASIN****Nan River at Ban Pha Khwang , Nan (N.64)**

Lat 19 - 00 - 55 N Long 100 - 46 - 49 E

Location : on right bank at the bridge on highway from Tambon Bo.

	Ban Pha Khwang	Amphoe Mueang	Changwat Nan
Drainage Area	3,482 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1994-Cont'd		
Actual Measurement	1994-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	35		
R-Square	0.9225		
Remarks	Continued Sediment Station		

$$QS = 0.2032 QW^{1.94860}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	36.14	84.65	388.70	5892.31	1882.38	2054.29	3485.86	499.55	192.05	72.98	38.24	28.32	
2	38.24	125.77	285.99	4432.78	1009.08	1691.08	7127.11	499.55	185.10	72.98	38.24	28.32	
3	38.24	80.66	244.38	6160.17	1047.84	1771.85	7586.25	464.57	178.28	72.98	38.24	28.32	
4	40.66	165.02	152.85	6106.13	1067.49	1392.23	4303.00	359.17	171.59	72.98	38.24	28.32	
5	59.61	62.60	105.96	2083.65	918.85	2325.84	3563.81	340.12	158.57	62.60	38.24	28.32	
6	51.06	51.06	97.16	1107.32	1087.32	4653.25	3563.81	330.78	130.98	59.61	36.14	28.32	
7	45.72	56.69	80.66	1488.30	1744.72	2451.79	4132.88	294.70	120.66	59.61	36.14	23.06	
8	48.35	76.77	65.67	901.78	9192.91	1512.81	3072.19	303.53	115.66	56.69	36.14	21.43	
9	48.35	26.51	65.67	560.60	15290.42	1392.23	3108.74	285.99	110.76	56.69	36.14	21.43	
10	43.15	120.66	59.61	585.97	6940.98	2357.02	4564.44	268.97	110.76	53.84	34.10	21.43	
11	38.24	199.12	51.06	884.85	4927.39	5173.17	5892.31	244.38	105.96	53.84	34.10	19.85	
12	36.14	409.02	48.35	1323.07	69742.69	4175.10	3408.76	228.63	105.96	59.61	34.10	19.85	
13	36.14	221.07	56.69	1967.42	144615.59	10244.24	2963.78	221.07	97.16	65.67	32.12	19.85	
14	36.14	1009.08	51.06	7519.81	47036.57	5173.17	2083.65	213.62	92.89	65.67	30.19	18.65	
15	34.10	388.70	710.29	11800.77	19915.13	4476.46	1664.57	206.31	92.89	65.67	30.19	18.65	
16	34.10	303.53	6998.49	6998.49	11029.08	4432.78	1415.95	285.99	92.89	65.67	32.12	18.65	
17	34.10	430.82	1067.49	3108.74	8405.78	3762.34	1233.54	359.17	88.72	56.69	32.12	18.65	
18	34.10	409.02	771.21	1717.80	5786.78	3682.30	1067.49	268.97	88.72	53.84	32.12	18.65	
19	48.35	178.28	499.55	3219.67	3802.67	3294.68	953.48	252.45	84.65	53.84	32.12	17.49	
20	34.10	147.23	419.85	3966.11	2892.57	2963.78	835.02	221.07	80.66	51.06	30.19	18.65	
21	72.98	130.98	368.89	4346.05	10167.31	4090.87	755.75	252.45	84.65	51.06	30.19	19.85	
22	105.96	2025.13	213.62	5839.43	40590.67	3722.21	725.29	244.38	80.66	51.06	30.19	17.49	
23	213.62	3563.81	165.02	7322.18	18760.16	4346.05	755.75	221.07	80.66	51.06	30.19	17.49	
24	206.31	851.48	199.12	7191.85	8197.06	5892.31	625.06	185.10	80.66	51.06	28.32	17.49	
25	192.05	560.60	244.38	3843.22	8759.31	3370.52	573.22	192.05	76.77	51.06	28.32	17.49	
26	199.12	285.99	213.62	2264.08	6656.92	6160.17	598.87	221.07	76.77	45.72	28.32	16.37	
27	185.10	178.28	158.57	2142.98	9711.65	5998.75	535.77	236.44	76.77	45.72	28.32	13.21	
28	147.23	130.98	185.10	1392.23	6656.92	3563.81	511.49	213.62	72.98	43.15	28.32	12.23	
29	65.67	152.85	152.85	1323.07	4260.16	2515.97	487.75	244.38	76.77	40.66		12.23	
30	56.69	192.05	548.11	1127.50	3145.51	1967.42	511.49	221.07	76.77	40.66		12.23	
31		349.58		2083.65	2451.79		499.55		72.98	38.24		12.23	
Total	2259.76	12967.99	14669.97	110701.98	477693.70	110608.49	72606.63	8380.22	3261.35	1741.97	921.40	614.52	816427.98 Tonday
Mean	75.33	418.32	489.00	3571.03	15409.47	3686.95	2342.15	279.34	105.20	56.19	32.91	19.82	2236.79 Ton/day
Max	213.62	3563.81	6998.49	11800.77	144615.59	10244.24	7586.25	499.55	192.05	72.98	38.24	28.32	144615.59 Ton/day
Min	34.10	26.51	48.35	560.60	918.85	1392.23	487.75	185.10	72.98	38.24	28.32	12.23	12.23 Ton/day

WATER YEAR : 2022**NAN RIVER BASIN****Nam Yao at Ban Pang Sa , Nan (N.65)**

Lat 19 - 13 - 49 N Long 100 - 45 - 15 E

Location : on right bank at the bridge on highway.

	Ban	Pang Sa	Amphoe	Tha Wang Pha	Changwat	Nan
Drainage Area	620	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1997-Cont'd					
Actual Measurement	1997-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	32					
R-Square	0.8842					
Remarks	Continued Sediment Station					

$$QS = 0.7772 QW^{1.89420}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.03	24.93	21.71	360.89	206.50	213.74	519.36	52.88	33.91	13.99	6.87	5.03	
2	3.95	24.93	17.65	457.73	178.70	178.70	613.17	56.38	32.01	13.99	6.87	5.61	
3	3.46	23.29	15.17	3548.65	172.04	178.70	545.04	67.54	28.37	13.99	6.87	5.61	
4	3.95	8.98	12.86	1760.26	93.24	206.50	506.74	60.00	26.62	13.99	6.23	5.61	
5	3.11	6.23	10.74	446.43	79.77	391.96	469.76	56.38	24.93	12.86	6.23	5.61	
6	2.78	5.03	10.74	259.68	413.35	435.27	457.73	56.38	24.93	12.86	6.23	5.03	
7	2.47	5.61	9.74	192.36	457.73	213.74	371.12	52.88	23.29	12.86	6.23	4.48	
8	2.47	8.25	8.25	123.14	6250.39	172.04	294.58	49.48	23.29	12.86	6.23	4.48	
9	2.78	6.87	8.25	93.24	2803.75	236.18	268.21	49.48	21.71	11.78	6.23	4.48	
10	2.78	11.78	7.55	134.64	2630.50	413.35	733.59	49.48	21.71	11.78	6.23	4.48	
11	2.47	71.47	7.55	213.74	1221.94	1137.81	545.04	46.18	20.31	9.74	5.61	3.95	
12	2.17	558.10	6.87	506.74	11862.32	832.95	322.11	46.18	21.71	9.74	5.61	3.95	
13	2.17	117.88	6.87	545.04	7463.85	1179.52	285.66	43.00	21.71	11.78	5.61	3.95	
14	2.17	75.50	7.55	1137.81	2331.83	598.83	228.58	37.86	20.31	10.74	6.23	3.95	
15	1.89	30.16	3316.50	1375.97	2529.06	815.98	185.47	39.92	20.31	9.74	6.23	5.03	
16	1.89	35.86	978.07	571.31	2188.89	939.92	178.70	97.95	18.96	8.98	6.23	4.48	
17	1.63	75.50	140.58	312.81	1467.86	717.98	165.51	84.15	18.96	8.25	6.23	4.48	
18	1.89	35.86	102.77	199.37	902.48	672.11	152.80	49.48	18.96	8.25	6.23	3.95	
19	7.55	18.96	49.48	424.24	702.53	481.94	146.63	43.00	18.96	8.98	6.87	5.61	
20	5.03	9.74	52.88	469.76	506.74	371.12	123.14	43.00	17.65	8.25	6.23	4.48	
21	26.62	26.62	43.00	733.59	3278.53	413.35	112.74	43.00	16.39	8.25	6.23	3.46	
22	17.65	140.58	33.91	702.53	2874.51	322.11	84.15	39.92	16.39	8.25	5.61	3.11	
23	6.87	107.70	23.29	1308.90	1538.61	733.59	75.50	37.86	16.39	8.25	5.61	3.11	
24	5.03	52.88	20.31	867.39	958.90	815.98	79.77	35.86	17.65	8.25	5.61	2.78	
25	4.48	32.01	23.29	424.24	884.85	402.59	79.77	33.91	17.65	8.25	5.03	2.78	
26	5.03	20.31	21.71	285.66	657.13	884.85	75.50	43.00	17.65	8.25	5.03	2.78	
27	6.23	17.65	20.31	221.10	598.83	672.11	107.70	39.92	16.39	7.55	5.03	2.78	
28	5.03	13.99	30.16	172.04	457.73	424.24	123.14	37.86	15.17	7.55	5.03	2.78	
29	3.95	13.99	21.71	146.63	360.89	322.11	79.77	37.86	15.17	7.55		2.78	
30	3.46	15.17	276.87	165.51	285.66	303.63	71.47	33.91	15.17	7.55		2.47	
31		13.99		627.66	259.68		71.47		15.17	6.87		2.47	
Total	145.99	1609.82	5306.34	18789.06	56618.79	15682.90	8073.92	1464.70	637.80	311.98	168.48	125.55	108935.33 Tonday
Mean	4.87	51.93	176.88	606.10	1826.41	522.76	260.45	48.82	20.57	10.06	6.02	4.05	298.45 Ton/day
Max	26.62	558.10	3316.50	3548.65	11862.32	1179.52	733.59	97.95	33.91	13.99	6.87	5.61	11862.32 Ton/day
Min	1.63	5.03	6.87	93.24	79.77	172.04	71.47	33.91	15.17	6.87	5.03	2.47	1.63 Ton/day

WATER YEAR : 2022**NAN RIVER BASIN****Huai Om Sing at Ban Noen Phoem , Phitsanulok (N.66)**

Lat 17 - 07 - 25 N Long 100 - 53 - 40 E

Location : on right bank at Ban Noen Phoem.

	Ban Noen Phoem	Amphoe Nakhon Thai	Changwat Phitsanulok
Drainage Area	152 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2001-Cont'd		
Actual Measurement	2001-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	13		
R-Square	0.6460		
Remarks	Continued Sediment Station		

$$QS = 10.1350 QW^{1.22230}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.86	0.26	0.20	0.04	21.78	15.83	136.84	6.44	3.82	1.42	0.20	0.20	
2	0.84	1.25	0.20	0.04	17.18	15.02	143.43	6.10	2.91	1.25	0.20	0.20	
3	0.61	2.23	0.20	0.04	18.00	13.44	108.39	5.76	2.61	1.08	0.20	0.20	
4	0.33	0.33	4.66	0.04	27.16	11.13	107.44	5.43	3.72	0.76	0.20	0.20	
5	0.20	0.33	2.23	0.04	10.76	10.26	76.39	5.10	3.72	0.68	0.20	0.20	
6	0.14	0.33	0.76	0.04	84.15	35.68	63.02	4.99	2.91	0.61	0.20	0.20	
7	0.14	0.46	0.46	0.04	29.25	15.56	55.51	4.77	3.41	0.61	0.20	0.20	
8	0.14	0.14	0.20	0.04	210.23	11.51	48.84	4.66	3.41	0.53	0.20	0.20	
9	0.14	0.04	0.14	0.04	361.98	16.10	41.68	4.45	3.41	0.46	0.20	0.20	
10	0.14	0.84	0.20	23.94	193.16	15.83	69.30	4.34	3.41	0.46	0.20	0.20	
11	0.14	2.23	0.04	68.42	133.07	16.37	36.77	4.13	3.51	0.39	0.20	0.20	
12	0.14	2.05	0.04	16.10	70.00	44.91	28.65	4.03	4.66	0.33	0.20	0.20	
13	0.14	1.33	0.04	120.32	51.49	168.47	23.94	3.82	4.34	0.33	0.20	0.20	
14	0.14	0.92	0.04	179.90	44.91	71.59	21.36	3.72	4.34	0.26	0.20	0.20	
15	0.14	0.53	0.04	148.66	35.05	34.59	18.83	3.51	4.03	0.26	0.20	0.20	
16	0.14	0.61	0.61	48.18	66.84	23.07	16.91	3.51	3.41	0.26	0.20	0.20	
17	0.14	8.55	3.11	27.61	104.21	16.91	15.02	3.51	2.81	0.20	0.20	0.20	
18	0.14	2.14	3.21	14.76	135.64	34.59	13.44	3.51	2.52	0.20	0.20	0.20	
19	9.52	1.59	0.76	8.07	68.42	139.43	12.54	3.41	2.33	0.20	0.20	0.20	
20	0.92	1.08	0.53	179.90	44.26	50.82	12.54	3.21	2.05	0.20	0.20	0.20	
21	0.53	0.92	0.33	46.21	233.02	73.18	11.39	3.11	2.05	0.20	0.20	0.20	
22	0.61	1.33	0.68	88.72	197.61	31.37	10.63	3.11	2.05	0.20	0.20	0.20	
23	5.43	1.08	0.39	44.91	95.20	61.64	9.89	2.91	2.05	0.20	0.20	0.20	
24	1.42	0.53	2.14	29.25	59.59	81.43	9.52	3.51	1.95	0.20	0.20	0.20	
25	0.61	0.39	2.33	46.86	41.68	226.47	9.15	4.77	1.95	0.20	0.20	0.20	
26	0.39	0.33	0.39	23.07	47.52	689.00	8.43	4.45	1.86	0.20	0.20	0.20	
27	0.20	0.26	0.39	27.16	42.32	301.26	8.19	5.10	1.86	0.20	0.20	0.20	
28	0.26	0.20	0.53	40.40	23.94	213.46	8.19	4.99	1.77	0.20	0.20	0.20	
29	0.26	0.20	0.08	23.94	26.57	146.04	7.83	4.77	1.68	0.20		0.20	
30	0.20	0.20	0.04	11.51	24.81	113.75	7.13	4.34	1.59	0.20		0.20	
31		0.20		50.82	17.73		6.67		1.59	0.20		0.20	
Total	26.01	32.88	24.97	1269.07	2537.53	2698.71	1147.86	129.46	87.73	12.69	5.60	6.20	7978.71 Tonday
Mean	0.87	1.06	0.83	40.94	81.86	89.96	37.03	4.32	2.83	0.41	0.20	0.20	21.86 Ton/day
Max	9.52	8.55	4.66	179.90	361.98	689.00	143.43	6.44	4.66	1.42	0.20	0.20	689.00 Ton/day
Min	0.14	0.04	0.04	0.04	10.76	10.26	6.67	2.91	1.59	0.20	0.20	0.20	0.04 Ton/day

WATER YEAR : 2022**NAN RIVER BASIN****Nan River at Ban Koei Chai, Nakhon Sawan (N.67)**

Lat 15 - 52 - 08 N Long 100 - 15 - 52 E

Location : on right bank at the bridge near Wat Koei Chai Nua

	Ban	Koei Chai	Amphoe	Chum Saeng	Changwat	Nakhon Sawan
Drainage Area	57,007	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	2005-Cont'd					
Actual Measurement	2005-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	38					
R-Square	0.8983					
Remarks	Continued Sediment Station					

$$QS = 4.9610 QW^{1.08890}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	563.71	802.81	1507.63	791.28	4633.86	9503.11	11021.52	8451.47	2163.38	1218.54	907.02	1110.41	
2	574.61	854.82	1309.40	723.44	4010.98	9376.12	11117.12	8175.95	2221.38	1204.07	895.45	1031.57	
3	623.91	837.48	1081.70	645.90	3837.91	9221.11	11253.79	7808.93	2144.13	1182.43	883.82	971.25	
4	607.41	825.91	848.99	552.83	4122.61	8905.94	11380.24	7440.16	2076.66	1189.61	866.43	1053.06	
5	574.61	768.34	768.34	519.02	3949.15	8627.14	11510.86	7074.64	2009.45	1067.37	901.23	1110.41	
6	618.38	695.66	895.45	519.02	3476.18	8466.15	11597.94	6742.98	1851.05	1060.17	953.73	1153.58	
7	673.52	651.45	1117.55	541.96	3219.47	8307.08	11656.06	6506.06	1745.22	1017.30	995.96	1204.07	
8	734.56	607.41	1189.61	523.37	3511.24	8280.84	11699.74	6214.61	1720.91	1024.48	977.07	1233.03	
9	728.96	623.91	1204.07	552.83	4313.76	8385.84	11714.21	5912.04	1639.90	1053.06	930.35	1196.88	
10	662.48	684.58	1204.07	623.91	5556.08	8495.41	11728.77	5815.98	1565.87	1045.86	942.03	1175.17	
11	612.93	785.56	1211.35	768.34	6784.85	8773.76	11714.21	5788.57	1565.87	988.80	971.25	1189.61	
12	596.46	877.96	1204.07	982.97	7543.27	9221.11	11699.74	5392.41	1615.63	1017.30	982.97	1153.58	
13	607.41	930.35	1211.35	1276.56	7940.36	9474.87	11670.62	5121.48	1647.97	1124.78	971.25	1081.70	
14	651.45	988.80	1233.03	1540.92	8058.03	9677.05	11641.61	4870.58	1664.12	1131.93	977.07	1096.04	
15	673.52	1053.06	1247.52	1818.49	8110.40	9812.29	11597.94	4505.60	1688.45	1074.49	942.03	1160.74	
16	640.44	977.07	1218.54	2202.01	8267.67	9842.31	11554.40	4023.39	1891.91	1038.76	912.89	1117.55	
17	574.61	860.58	1204.07	2747.68	8412.11	9827.35	11496.32	3616.78	2086.30	971.25	883.82	1038.76	
18	519.02	740.09	1276.56	3105.25	8480.73	9797.23	11409.30	3335.95	2124.81	942.03	877.96	988.80	
19	505.93	723.44	1254.82	2870.14	8553.96	9752.17	11308.52	3184.66	2173.05	982.97	971.25	924.55	
20	497.19	1196.88	1196.88	2476.04	8612.54	9722.08	11212.79	3071.55	2173.05	1045.86	1031.57	872.19	
21	514.68	2173.05	1110.41	2250.39	8671.16	9737.12	11062.47	2981.90	1980.72	1017.30	866.43	808.62	
22	523.37	2565.16	1067.37	2505.74	8700.48	9692.09	10885.09	2858.97	1842.91	1003.04	690.08	797.08	
23	601.98	2594.95	1067.37	3207.92	8744.42	9573.71	10718.65	2747.68	1891.91	1003.04	701.24	814.36	
24	734.56	2515.62	1031.57	4415.99	8861.83	9460.76	10489.64	2725.43	1875.60	971.25	831.66	820.09	
25	802.81	2397.02	883.82	5788.57	9052.24	9559.59	10260.93	2654.62	1810.27	907.02	982.97	808.62	
26	756.85	2230.99	843.23	6631.38	9066.30	9842.31	10038.06	2575.15	1712.72	895.45	1088.83	808.62	
27	712.33	2076.66	837.48	6917.43	9080.37	10143.51	9812.29	2466.17	1499.36	883.82	1103.18	768.34	
28	667.96	1916.50	785.56	6757.00	9178.87	10475.30	9587.84	2406.86	1269.34	866.43	1088.83	774.05	
29	640.44	1785.88	843.23	6353.13	9291.54	10761.63	9319.73	2337.93	1240.32	889.59		814.36	
30	673.52	1704.63	843.23	5857.16	9474.87	10925.99	9008.77	2144.13	1240.32	936.15		820.09	
31		1631.84		5310.72	9559.59		8744.42		1240.32	924.55		808.62	
Total	18869.61	40078.46	32698.27	81777.39	221076.83	283640.97	339913.59	138952.63	55372.90	31678.70	26128.37	30705.80	1300893.52 Tonday
Mean	628.99	1292.85	1089.94	2637.98	7131.51	9454.70	10964.95	4631.75	1786.22	1021.89	933.16	990.51	3564.09 Ton/day
Max	802.81	2594.95	1507.63	6917.43	9559.59	10925.99	11728.77	8451.47	2221.38	1218.54	1103.18	1233.03	11728.77 Ton/day
Min	497.19	607.41	768.34	519.02	3219.47	8280.84	8744.42	2144.13	1240.32	866.43	690.08	768.34	497.19 Ton/day

WATER YEAR : 2022**NAN RIVER BASIN****Khleng Tron at Ban Wang Pla Kod , Uttaradit (N.72)**

Lat 17 - 27 - 32 N Long 100 - 16 - 25 E

Location : on right bank at Ban Wang Pla Kod.

	Ban	Wang Pla Kod	Amphoe	Thong Saen Khan	Changwat	Uttaradit
Drainage Area	980	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	2005-Cont'd					
Actual Measurement	2005-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	18					
R-Square	0.9460					
Remarks	Continued Sediment Station					

$$QS = 3.2234 QW^{1.46400}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	63.26	0.00	0.00	2239.26	372.37	1595.07	27.92	23.73	14.71	36.32	14.71	
2	0.00	0.37	0.00	0.00	392.52	1595.07	5350.01	27.92	23.73	14.71	19.01	14.71	
3	0.00	0.00	0.00	0.00	127.04	559.47	9054.48	27.92	23.73	15.71	6.01	14.71	
4	0.00	0.00	0.00	0.00	7.25	270.28	3680.14	27.92	21.71	16.81	2.16	13.65	
5	0.00	0.00	0.00	0.00	0.09	204.91	2561.55	27.92	21.71	16.81	0.28	6.01	
6	0.00	0.00	0.00	0.00	9.82	191.85	1469.91	27.92	21.71	17.86	0.28	6.01	
7	0.00	0.42	0.00	0.00	60.97	162.46	909.84	27.92	21.71	17.86	0.28	3.76	
8	0.00	12.55	0.00	0.00	1277.05	162.46	1264.50	27.92	19.76	19.01	0.28	3.76	
9	0.00	0.37	0.00	0.00	4131.44	406.22	1215.32	27.92	19.76	19.01	0.28	5.22	
10	0.00	37.65	0.00	0.00	3052.51	308.15	1029.60	27.92	19.76	20.09	0.24	5.22	
11	0.00	0.37	0.00	0.00	234.21	420.06	534.97	27.92	17.86	20.09	0.24	2.45	
12	0.00	0.31	0.00	0.00	420.06	899.42	372.37	25.80	17.86	20.09	0.24	2.45	
13	0.00	0.00	0.00	0.00	1353.16	985.01	297.20	23.73	17.86	21.28	0.24	2.45	
14	0.00	0.26	0.00	0.00	626.47	455.87	270.28	17.86	16.02	22.41	0.24	2.45	
15	0.00	0.00	0.00	0.00	254.68	326.33	244.38	14.25	16.02	22.41	0.24	1.87	
16	0.00	20.09	0.00	0.00	413.23	229.09	219.14	9.89	16.02	22.41	0.24	1.87	
17	0.00	166.56	0.00	0.16	372.37	204.91	196.17	10.91	14.25	22.41	0.24	1.87	
18	0.00	1552.77	0.00	0.00	1340.38	162.46	174.86	10.91	14.25	23.64	0.24	1.10	
19	0.00	406.22	0.00	0.00	767.46	455.87	154.35	10.91	12.55	23.64	0.24	1.10	
20	0.00	254.68	0.00	0.00	479.18	123.88	134.67	10.91	10.91	24.80	0.24	1.10	
21	0.00	2.99	0.00	359.05	518.83	123.88	120.59	17.86	9.89	30.77	14.71	1.10	
22	0.00	0.37	0.00	1496.93	4343.74	123.88	114.25	19.76	9.89	56.59	14.71	0.28	
23	0.13	0.16	0.00	441.21	3299.09	123.88	108.02	21.71	9.89	70.42	14.71	0.28	
24	0.37	0.00	0.00	78.59	559.47	123.88	105.01	25.80	9.89	78.59	14.71	0.28	
25	0.37	0.00	0.00	34.41	326.33	187.56	105.01	21.71	9.89	93.00	14.71	0.28	
26	0.00	0.00	0.00	14.71	359.05	441.21	101.90	25.80	9.89	105.01	14.71	0.28	
27	0.00	0.00	0.00	14.71	2414.82	1365.98	98.95	123.13	9.89	105.01	14.71	0.28	
28	0.00	0.00	0.00	8.96	1709.62	455.87	95.89	86.23	9.89	105.01	14.71	0.28	
29	0.08	0.00	0.00	6.01	471.37	372.37	95.89	58.71	9.89	101.90		0.28	
30	1.07	0.00	0.00	78.59	1063.53	652.21	9.89	41.63	9.89	101.90		0.28	
31		0.00		471.37	601.07		9.89		9.89	101.90		0.28	
Total	2.02	2519.40	0.00	3004.70	33226.07	12466.86	31694.10	884.63	479.70	1345.86	185.22	110.37	85918.93 Ton/day
Mean	0.07	81.27	0.00	96.93	1071.81	415.56	1022.39	29.49	15.47	43.41	6.62	3.56	235.39 Ton/day
Max	1.07	1552.77	0.00	1496.93	4343.74	1595.07	9054.48	123.13	23.73	105.01	36.32	14.71	9054.48 Ton/day
Min	0.00	0.00	0.00	0.00	0.09	123.88	9.89	9.89	9.89	14.71	0.24	0.28	0.00 Ton/day

WATER YEAR : 2022**NAN RIVER BASIN****Khek River at Ban Tan Tawan , Phetchabun (N.73)**

Lat 16 - 34 - 09 N Long 100 - 53 -30 E

Location : on right bank at Ban Tan Tawan.

	Ban Tan Tawan	Amphoe Khao Kho	Changwat Phetchabun
Drainage Area	224 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2020-Cont'd		
Actual Measurement	2020-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	21		
R-Square	0.9530		
Remarks	Continued Sediment Station		

$$QS = 1.7186 QW^{1.28710}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.63	1.94	0.32	8.02	25.58	66.15	331.78	9.13	10.37	3.43	1.48	0.93	
2	1.07	3.10	0.23	7.59	26.43	64.70	290.59	8.68	6.95	3.43	0.67	0.93	
3	0.55	3.27	0.32	25.99	24.74	52.70	153.37	8.24	5.50	3.61	0.55	0.93	
4	0.14	1.79	2.10	17.36	93.02	58.27	107.81	8.02	5.11	3.79	0.55	0.93	
5	0.00	0.93	1.94	11.44	83.75	46.66	82.86	7.59	4.91	3.98	0.55	0.93	
6	0.00	0.32	4.17	8.24	45.51	47.82	70.53	7.16	4.55	3.79	0.55	0.93	
7	0.00	0.14	5.30	7.37	58.27	48.98	61.10	6.95	4.55	3.79	0.55	0.93	
8	0.00	0.00	2.75	9.13	566.51	40.97	54.08	6.53	4.55	3.79	0.55	0.93	
9	0.00	0.06	1.48	19.04	305.96	37.41	47.82	6.32	4.36	3.61	0.55	0.93	
10	0.00	5.11	1.33	54.80	211.22	39.36	43.81	5.91	4.36	3.61	0.55	0.93	
11	0.00	7.37	2.41	38.38	171.43	42.68	37.90	5.70	4.17	3.79	0.32	0.93	
12	0.00	3.61	3.43	27.29	113.86	40.43	34.06	5.50	4.17	3.98	0.32	0.93	
13	0.00	2.10	4.36	37.90	79.46	39.85	31.71	5.30	4.17	3.98	0.32	0.93	
14	0.00	1.48	5.11	60.41	63.27	56.19	29.02	5.11	3.98	3.79	0.32	0.93	
15	0.00	1.33	2.75	46.10	54.08	113.86	26.84	5.50	3.79	3.61	0.32	0.93	
16	0.00	0.93	1.94	186.45	63.27	110.83	28.15	5.91	3.61	3.43	0.32	0.80	
17	0.00	0.80	3.98	134.72	52.04	66.15	23.90	6.11	3.61	3.43	0.32	0.80	
18	0.00	0.93	4.91	90.12	48.42	161.25	21.11	5.70	3.79	3.27	0.23	0.80	
19	0.00	0.55	3.10	31.24	69.77	91.08	19.73	5.50	3.61	3.10	0.23	0.80	
20	3.43	0.43	2.10	27.70	61.84	62.53	18.37	5.30	3.61	3.10	0.23	0.80	
21	1.79	1.48	2.10	33.12	61.84	52.04	17.03	4.91	3.61	2.92	0.00	0.80	
22	1.07	3.43	4.36	407.68	130.41	54.80	16.04	4.71	3.61	2.75	0.00	0.80	
23	0.55	3.27	2.92	277.66	67.60	166.87	15.06	4.55	3.61	2.75	0.00	0.80	
24	0.23	2.41	1.79	119.99	53.41	92.05	14.20	5.11	3.79	2.92	0.00	0.80	
25	0.00	1.63	1.48	76.46	46.10	127.22	13.36	5.50	3.79	2.92	0.00	0.80	
26	0.00	1.07	1.63	55.47	69.06	122.04	12.53	5.70	3.61	2.58	0.00	0.80	
27	0.00	0.80	1.48	56.87	126.18	119.99	11.98	8.68	3.43	2.41	0.00	0.80	
28	0.00	0.55	4.55	42.09	103.82	82.86	11.44	7.59	3.61	2.24	0.00	0.80	
29	0.80	0.32	9.35	38.38	81.08	77.18	10.63	7.59	3.61	2.10		0.80	
30	0.80	0.32	5.91	34.53	64.70	115.90	9.84	8.68	3.61	2.24		0.80	
31		0.32		29.44	58.27		9.35		3.61	2.10		0.80	
Total	12.06	51.79	89.60	2020.98	3080.90	2298.82	1656.00	193.18	133.61	100.24	9.48	26.75	9673.41 Tonday
Mean	0.40	1.67	2.99	65.19	99.38	76.63	53.42	6.44	4.31	3.23	0.34	0.86	26.50 Ton/day
Max	3.43	7.37	9.35	407.68	566.51	166.87	331.78	9.13	10.37	3.98	1.48	0.93	566.51 Ton/day
Min	0.00	0.00	0.23	7.37	24.74	37.41	9.35	4.55	3.43	2.10	0.00	0.80	0.00 Ton/day

WATER YEAR : 2022**NAN RIVER BASIN****Nam Wa at Tha Li Bridge , Nan (N.75)**

Lat 18 - 32 - 54 N Long 100 - 48 - 31 E

Location : on left bank at the bridge.

	Ban	Tha Li Bridge	Amphoe	Wiang Sa	Changwat	Nan
Drainage Area	2,173	sq.km.				
Method of sampling	Depth	Integrating				
Instrument Used	US.D-49					
Period of Available Records	2018-Cont'd					
Actual Measurement	2018-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	31					
R-Square	0.8514					
Remarks	Continued Sediment Station					

$$QS = 0.1787 QW^{1.97860}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	79.14	19.63	2265.60	1453.89	608.95	1024.63	1790.13	244.97	123.99	42.58	22.24	12.77	
2	40.49	19.63	790.52	5275.31	632.88	959.27	9458.32	244.97	111.64	42.58	22.24	12.77	
3	40.49	22.24	293.88	2677.96	551.12	1171.28	16586.48	238.84	103.76	40.49	22.24	12.77	
4	29.82	18.38	198.08	4938.90	437.96	820.00	6296.84	220.91	99.93	40.49	22.24	12.77	
5	22.24	14.89	141.66	1911.63	790.52	834.94	4432.41	209.34	92.63	40.49	22.24	12.77	
6	18.38	12.77	111.64	896.04	632.88	1937.80	3151.04	198.08	89.16	38.60	22.24	12.77	
7	18.38	17.18	85.76	1606.50	959.27	1268.75	2351.51	187.13	82.42	38.60	20.91	12.77	
8	18.38	89.16	82.42	9767.57	1171.28	2017.38	1885.63	181.77	79.14	36.75	20.91	12.77	
9	18.38	111.64	72.80	2098.54	1606.50	1540.17	2044.25	171.28	75.94	36.75	20.91	12.77	
10	17.18	92.63	66.71	1329.07	1628.92	2098.54	3581.02	166.15	75.94	34.95	20.91	12.77	
11	17.18	69.72	66.71	1229.30	1813.78	2608.56	2713.00	156.12	72.80	34.95	18.38	11.77	
12	16.02	187.13	61.20	1008.09	20005.41	1651.49	1674.21	151.22	69.72	34.95	18.38	11.77	
13	12.77	123.99	53.83	1540.17	45045.53	2643.15	1349.49	161.09	66.71	34.95	18.38	11.77	
14	12.77	209.34	49.17	2748.27	18256.36	1743.30	1171.28	156.12	66.71	34.95	18.38	12.77	
15	11.77	119.80	49.17	2643.15	7637.08	1411.67	975.41	151.22	63.77	33.20	17.18	13.81	
16	11.77	115.69	238.84	2643.15	20005.41	1475.23	834.94	176.48	61.20	31.48	17.18	11.77	
17	10.86	192.57	428.62	1743.30	6896.75	4522.49	733.16	232.79	61.20	29.82	16.02	11.77	
18	11.77	238.84	226.81	1096.08	4751.59	2891.58	707.40	181.77	61.20	29.82	16.02	11.77	
19	18.38	128.26	166.15	1077.67	2891.58	2071.31	645.01	220.91	58.69	31.48	16.02	10.86	
20	31.48	111.64	115.69	1837.57	2044.25	1697.09	597.15	176.48	53.83	31.48	16.02	9.99	
21	34.95	89.16	171.28	1562.13	3581.02	3113.30	539.89	156.12	53.83	29.82	16.02	8.35	
22	63.77	383.38	123.99	2472.46	5324.26	1885.63	496.14	146.40	53.83	28.20	16.02	8.35	
23	75.94	2322.70	119.80	2608.56	3540.81	1697.09	657.26	132.59	51.48	25.09	16.02	8.35	
24	34.95	880.56	111.64	5178.07	2153.52	2017.38	517.79	119.80	51.48	25.09	16.02	8.35	
25	25.09	348.98	332.39	2540.06	2294.06	2237.32	374.63	132.59	49.17	25.09	16.02	8.35	
26	20.91	176.48	156.12	1496.72	1766.64	1697.09	332.39	176.48	51.48	25.09	14.89	7.59	
27	23.60	132.59	156.12	1229.30	1911.63	3001.42	251.69	209.34	51.48	25.09	14.89	7.59	
28	20.91	96.16	203.67	896.04	1964.15	1990.68	251.69	279.46	49.17	25.09	14.89	6.86	
29	22.24	89.16	123.99	896.04	1697.09	1562.13	232.79	166.15	49.17	23.60		6.86	
30	17.18	85.76	123.99	761.57	1248.95	1432.70	244.97	132.59	46.92	23.60		6.17	
31		392.23		805.19	1041.31		251.69		42.58	22.24		6.17	
Total	797.19	6912.29	7188.25	69968.30	164891.46	57023.37	67129.61	5479.16	2120.97	997.36	513.81	328.74	383350.51 Tonday
Mean	26.57	222.98	239.61	2257.04	5319.08	1900.78	2165.47	182.64	68.42	32.17	18.35	10.60	1050.28 Ton/day
Max	79.14	2322.70	2265.60	9767.57	45045.53	4522.49	16586.48	279.46	123.99	42.58	22.24	13.81	45045.53 Ton/day
Min	10.86	12.77	49.17	761.57	437.96	820.00	232.79	119.80	42.58	22.24	14.89	6.17	6.17 Ton/day

WATER YEAR : 2022**NAN RIVER BASIN****Nam Khwae Noi at Ban Kaeng Bua Kham , Phitsanulok (N.81)**

Lat 17 - 07 - 43 N Long 100 - 35 - 17 E

Location : on left bank at Ban Kaeng Bua Kham.

	Ban Kaeng Bua Kham	Amphoe Chat Trakan	Changwat Phitsanulok
Drainge Area	3,675 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2012-Cont'd		
Actual Measurement	2012-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	23		
R-Square	0.9506		
Remarks	Continued Sediment Station		

$$QS = 2.2418 QW^{1.44730}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	125.09	19.14	42.45	25.74	3372.26	2624.15	8547.64	265.79	203.71	31.29	9.95	5.42	
2	79.98	19.14	37.86	27.13	3372.26	2335.50	7876.03	247.53	160.19	31.29	9.95	5.42	
3	52.10	23.03	44.80	21.70	3260.78	2148.94	7936.38	238.56	172.47	31.29	9.95	5.42	
4	31.29	29.19	49.63	21.70	2673.26	2080.23	7576.42	212.26	130.76	29.19	9.95	4.75	
5	24.37	31.29	75.90	19.14	2103.06	1967.52	6988.11	203.71	101.34	29.19	10.78	4.75	
6	23.03	24.37	67.66	17.89	1814.48	1771.46	6119.94	186.93	92.61	27.13	11.64	4.75	
7	17.89	27.13	59.72	17.89	2080.23	1814.48	5244.72	172.47	84.13	25.74	11.64	4.11	
8	14.31	25.74	49.63	21.70	3754.66	2012.21	4823.08	166.29	75.90	24.37	11.64	4.11	
9	13.40	37.86	44.80	136.49	4776.90	2575.32	4395.97	160.19	70.38	23.03	10.78	4.11	
10	12.51	40.13	40.13	178.71	6219.73	3050.39	3891.86	154.16	70.38	24.37	9.95	4.75	
11	13.40	110.31	44.80	528.26	7398.39	2847.34	3456.63	148.20	67.66	21.70	9.95	4.75	
12	11.64	110.31	40.13	1055.21	8118.28	2624.15	2948.32	142.31	64.98	23.03	9.95	4.11	
13	10.78	130.76	35.63	1792.93	7695.83	2241.62	2502.62	142.31	62.34	21.70	9.95	4.75	
14	15.48	84.13	27.13	2359.15	7163.06	2382.88	2103.06	136.49	59.72	20.41	9.95	5.42	
15	13.40	73.12	33.44	2747.45	6420.81	2599.70	1707.54	130.76	57.15	17.89	9.14	6.83	
16	11.64	105.80	84.13	3233.09	8547.64	2922.97	1379.22	105.80	54.61	15.48	9.14	6.83	
17	10.78	265.79	92.61	3652.77	8118.28	2872.48	1147.71	148.20	52.10	15.48	8.35	7.58	
18	10.78	415.81	79.98	3585.32	7457.58	2747.45	1000.87	130.76	49.63	16.67	8.35	6.83	
19	15.48	648.67	114.88	3233.09	6930.09	2822.26	860.42	203.71	47.20	16.67	8.35	6.11	
20	27.13	513.76	88.34	3101.82	6699.52	2502.62	760.08	195.26	44.80	15.48	7.58	5.42	
21	40.13	332.73	59.72	3288.54	7695.83	2195.13	679.95	154.16	42.45	14.31	7.58	5.42	
22	303.47	293.91	44.80	3857.41	11715.94	2195.13	602.63	136.49	40.13	14.31	6.83	4.75	
23	166.29	429.41	37.86	4245.42	12539.70	2406.68	542.89	119.51	40.13	13.40	7.58	4.11	
24	166.29	332.73	25.74	4170.76	11938.88	2454.51	485.12	110.31	37.86	16.67	6.83	3.50	
25	136.49	212.26	23.03	3686.64	10263.43	2872.48	443.14	119.51	37.86	19.14	6.83	2.92	
26	62.34	154.16	23.03	3316.38	7936.38	3720.60	402.35	136.49	37.86	15.48	6.11	2.37	
27	35.63	105.80	44.80	3205.48	6070.23	4915.83	362.80	154.16	35.63	13.40	6.83	1.86	
28	27.13	75.90	37.86	2999.22	4823.08	6320.02	342.66	212.26	31.29	11.64	6.11	1.86	
29	21.70	70.38	33.44	2575.32	4030.56	8301.46	322.88	313.13	31.29	10.78		1.86	
30	17.89	59.72	33.44	2012.21	3686.64	8983.77	303.47	293.91	31.29	10.78		1.86	
31		47.20		2406.68	3101.82		284.44		31.29	9.95		1.86	
Total	1511.84	4849.68	1517.37	61541.24	191779.59	93309.28	86038.95	5241.62	2119.14	611.26	251.64	138.59	448910.20 Tonday
Mean	50.39	156.44	50.58	1985.20	6186.44	3110.31	2775.45	174.72	68.36	19.72	8.99	4.47	1229.89 Ton/day
Max	303.47	648.67	114.88	4245.42	12539.70	8983.77	8547.64	313.13	203.71	31.29	11.64	7.58	12539.70 Ton/day
Min	10.78	19.14	23.03	17.89	1814.48	1771.46	284.44	105.80	31.29	9.95	6.11	1.86	1.86 Ton/day

WATER YEAR : 2022**NAN RIVER BASIN****Nam Pat at Ban Suan , Uttaradit (N.84)**

Lat 17 - 44 - 28 N Long 100 - 40 - 45 E

Location : on right bank at Ban Suan.

	Ban Suan	Amphoe Nam Pat	Changwat Uttaradit
Drainage Area	2,204 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2016-Cont'd		
Actual Measurement	2016-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	17		
R-Square	0.9299		
Remarks	Continued Sediment Station		

$$QS = 2.3181 QW^{1.51030}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.10	12.68	19.10	4.28	1480.62	211.42	1769.79	33.83	24.00	5.17	1.65	0.81	
2	14.20	11.21	18.25	3.85	457.23	238.35	6095.49	30.01	19.96	5.17	2.32	0.81	
3	11.94	10.51	19.10	4.28	647.03	194.29	6504.68	28.77	17.41	5.17	2.32	0.38	
4	9.81	11.94	16.59	9.81	556.14	220.16	5228.28	31.27	14.98	5.17	1.98	0.58	
5	8.48	13.43	14.20	5.63	257.70	169.53	5501.70	31.27	13.43	4.71	1.65	0.58	
6	7.84	12.68	13.43	4.28	169.53	146.64	1966.23	30.01	11.94	4.28	1.98	0.81	
7	7.21	11.21	11.94	3.85	177.65	128.29	1326.96	28.77	11.21	3.85	1.98	0.20	
8	7.84	9.81	11.94	3.45	1411.62	119.43	967.03	27.55	10.51	3.45	1.65	0.00	
9	6.60	19.10	10.51	3.45	1921.97	247.96	792.93	28.77	10.51	3.45	1.65	0.00	
10	6.11	47.64	10.51	233.51	1235.60	1310.24	524.78	26.35	9.14	4.28	1.07	0.00	
11	5.63	30.01	10.51	596.31	1048.55	2775.87	378.31	24.00	9.14	3.85	1.07	0.00	
12	5.63	22.85	9.81	194.29	1899.97	2080.78	287.67	24.00	7.84	3.85	1.35	0.00	
13	6.11	30.01	9.81	423.63	3672.79	3845.92	238.35	24.00	8.48	3.85	1.07	0.00	
14	6.60	27.55	9.14	967.03	1221.90	1899.97	202.79	22.85	8.48	3.45	1.07	0.07	
15	6.60	17.41	7.21	471.50	700.56	1154.17	173.58	21.72	7.84	3.05	1.35	0.00	
16	6.11	17.41	6.60	287.67	1394.55	612.60	157.58	25.17	7.21	2.68	2.32	0.00	
17	5.63	257.70	5.63	177.65	2600.42	443.73	140.44	21.72	6.60	1.98	1.98	0.00	
18	6.60	417.14	5.17	105.15	4162.23	471.50	119.43	19.96	6.11	2.68	1.07	0.00	
19	318.73	153.67	4.71	61.88	2105.56	457.23	110.79	19.96	5.63	2.32	0.20	0.00	
20	91.49	77.34	4.71	243.05	783.40	318.73	96.88	19.10	6.11	3.05	0.07	0.00	
21	39.16	75.06	4.71	371.87	3741.81	524.78	81.97	18.25	6.11	3.05	0.07	0.20	
22	33.83	404.05	4.28	3401.13	2206.38	359.29	75.06	17.41	6.11	2.68	0.07	0.00	
23	70.58	443.73	3.85	6196.95	977.81	478.90	72.81	17.41	6.11	2.68	0.00	0.00	
24	39.16	190.08	3.85	5093.35	580.18	353.15	68.37	16.59	6.11	2.32	0.00	0.00	
25	27.55	96.88	3.45	1154.17	457.23	292.68	64.02	19.96	6.11	1.98	0.00	0.07	
26	19.96	59.77	3.45	443.73	572.05	524.78	55.62	19.96	6.11	1.65	0.07	0.07	
27	14.98	43.33	3.05	267.56	935.48	588.11	55.62	33.83	6.11	1.65	0.58	0.00	
28	14.98	35.14	3.05	161.53	664.71	391.11	51.58	32.54	5.17	1.65	0.81	0.00	
29	13.43	26.35	3.45	131.29	509.33	287.67	46.18	40.54	4.71	1.65		0.00	
30	12.68	20.84	3.85	207.09	371.87	359.29	39.16	30.01	4.71	1.65		0.00	
31		17.41		2985.41	371.87		36.47		5.17	1.65		0.00	
Total	844.57	2623.94	255.86	24218.63	39293.74	21206.57	33230.55	765.58	279.06	98.07	31.40	4.58	122852.55 Ton/day
Mean	28.15	84.64	8.53	781.25	1267.54	706.89	1071.95	25.52	9.00	3.16	1.12	0.15	336.58 Ton/day
Max	318.73	443.73	19.10	6196.95	4162.23	3845.92	6504.68	40.54	24.00	5.17	2.32	0.81	6504.68 Ton/day
Min	5.63	9.81	3.05	3.45	169.53	119.43	36.47	16.59	4.71	1.65	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**CHAO PHRAYA RIVER BASIN****Chao Phraya River at Khai Chira Prawat, Nakhon Sawan (C.2)**

Lat 15 - 40 - 14 N Long 100 - 06 - 34 E

Location : on left bank at Ban Phai Lom

	Ban Phai Lom	Amphoe Mueang	Changwat Nakhon Sawan
Drainge Area	109,782 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1956-Cont'd		
Actual Measurement	1956-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	36		
R-Square	0.8600		
Remarks	Continued Sediment Station		

$$QS = 3.2800 QW^{1.10000}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1414.74	1457.07	2348.35	2152.10	5025.57	12515.57	19094.68	9731.16	3524.60	2222.02	2447.04	2531.90	
2	1319.96	1599.10	2110.23	1992.52	4562.94	12156.24	19933.54	12485.64	3758.50	2418.81	2432.89	2489.47	
3	1288.50	1801.17	1877.50	1737.76	4384.08	11476.54	20565.99	11708.50	3903.04	2404.68	2517.77	2503.58	
4	1319.96	1979.67	1510.10	1510.10	4883.01	10774.20	21279.52	10970.43	3903.04	2404.68	2517.77	2376.50	
5	1319.96	1992.52	1236.18	1309.44	4923.75	10187.90	22221.21	10162.57	3596.46	2475.30	2475.30	2447.04	
6	1414.74	1877.50	1404.15	1204.91	4782.38	9935.25	22760.41	9507.05	3327.83	2602.84	2503.58	2432.89	
7	1425.32	1763.11	2005.32	1372.52	4543.02	9683.18	22926.56	8949.71	3053.23	2531.90	2645.51	2475.30	
8	1510.10	1775.77	2362.45	1499.45	4622.68	9733.55	23009.67	8445.23	2848.67	2574.45	2475.30	2475.30	
9	1425.32	1864.78	2432.89	1624.20	5414.36	10263.77	23009.67	7990.67	2631.25	2546.10	2432.89	2461.20	
10	1215.35	2056.65	2489.47	1775.77	6829.37	10858.29	22926.56	7538.37	2362.45	2602.84	2517.77	2517.77	
11	1047.21	2207.99	2517.77	2096.34	8277.47	11678.68	22677.38	7324.99	2222.02	2489.47	2461.20	2503.58	
12	977.22	2069.55	2517.77	2489.47	8848.59	12275.94	22677.38	6899.94	2194.04	2588.68	2447.04	2475.30	
13	985.94	1979.67	2679.27	2916.69	9000.31	7941.27	22677.38	6502.94	2152.10	2531.90	2503.58	2475.30	
14	1038.43	1877.50	2916.69	3276.15	9101.59	11385.06	22345.54	6125.08	2043.82	2531.90	2574.45	2418.81	
15	1215.35	1877.50	2933.75	3848.81	9152.27	12220.45	22014.13	5771.32	2056.65	2517.77	2560.31	2376.50	
16	1351.48	1750.46	2933.75	4126.98	9405.96	12220.45	21724.53	5270.82	2152.10	2489.47	2517.77	2334.25	
17	1372.52	1542.01	2984.93	4384.08	9532.23	12724.27	21438.40	4802.39	2292.14	2531.90	2404.68	2348.35	
18	1404.15	1563.29	3036.11	4304.80	9683.18	12892.61	21120.75	4443.67	2334.25	2418.81	2432.89	2264.08	
19	1467.62	1636.83	2831.72	4029.95	9909.98	13737.22	20684.73	4186.18	2292.14	2334.25	2475.30	2096.34	
20	1457.07	2574.45	2645.51	3524.60	10263.77	14250.34	20170.50	3957.40	2320.23	2404.68	2461.20	2056.65	
21	1478.25	3939.32	2376.50	3138.78	10634.17	14528.90	19573.61	3848.81	2207.99	2432.89	2334.25	2152.10	
22	1488.88	4842.37	2069.55	3138.78	10746.18	14389.56	18975.05	3722.44	2082.39	2432.89	2069.55	2069.55	
23	1563.29	4822.34	1941.28	3866.86	10662.16	13906.73	18338.51	3578.47	2056.65	2404.68	2069.55	2043.82	
24	1611.65	4582.87	1788.50	5311.78	10578.28	11718.60	17830.89	3470.88	2043.82	2404.68	2264.08	2069.55	
25	1552.68	4166.41	1563.29	6641.35	10690.16	11718.60	17324.58	3417.16	1992.52	2334.25	2390.62	2043.82	
26	1552.68	3776.51	1636.83	7419.74	10441.12	12892.61	16820.47	3506.71	1928.52	2376.50	2588.68	2005.32	
27	1478.25	3722.44	1763.11	7609.65	10746.18	15017.58	16322.74	3614.39	1915.77	2390.62	2546.10	1979.67	
28	1414.74	3452.94	1864.78	7324.99	11251.36	17180.23	15826.39	3740.43	1852.00	2404.68	2602.84	2031.00	
29	1457.07	3001.96	1928.52	6805.82	11561.12	18616.75	15297.54	3650.36	1954.11	2475.30		1992.52	
30	1446.46	2679.27	2082.39	6191.59	12275.94	18855.57	14668.36	3488.75	2082.39	2461.20		1954.11	
31		2503.58		5578.81	12695.59		13061.16		2180.03	2475.30		1839.30	
Total	41014.89	78736.60	66788.66	114204.79	265428.77	377735.91	619297.83	188812.46	77264.75	76215.44	68669.91	70240.87	2044410.88 Ton/day
Mean	1367.16	2539.89	2226.29	3684.03	8562.22	12591.20	19977.35	6293.75	2492.41	2458.56	2452.50	2265.83	5601.13 Ton/day
Max	1611.65	4842.37	3036.11	7609.65	12695.59	18855.57	23009.67	12485.64	3903.04	2602.84	2645.51	2531.90	23009.67 Ton/day
Min	977.22	1457.07	1236.18	1204.91	4384.08	7941.27	13061.16	3417.16	1852.00	2222.02	2069.55	1839.30	977.22 Ton/day

WATER YEAR : 2022**CHAO PHRAYA RIVER BASIN****Chao Phraya River at Ban Bang Phutsa, Sing Buri (C.3)**

Lat 14 - 53 - 55 N Long 100 - 24 - 07 E

Location : on right bank at Ban Bang Phutsa.

	Ban Bang Phutsa	Amphoe Mueang	Changwat Sing Buri
Drainage Area	116,851 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1950-Cont'd		
Actual Measurement	1950-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	30		
R-Square	0.9683		
Remarks	Continued Sediment Station		

$$QS = 1.4770 QW^{1.28400}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	280.09	284.09	524.94	464.97	6090.83	21797.00	35834.45	22434.35	3493.60	499.01	486.19	470.26	
2	298.37	280.09	423.10	470.26	4788.00	22251.86	36595.46	20759.08	3778.49	499.01	417.94	470.26	
3	303.16	272.07	402.53	470.26	4490.48	21751.67	37359.99	19202.71	4322.31	505.48	392.34	475.56	
4	293.59	272.07	372.05	423.10	4723.94	20062.48	37935.62	18018.33	4301.38	518.41	387.26	475.56	
5	303.16	280.09	407.66	392.34	6041.73	18743.86	38320.39	16852.73	3951.70	511.97	382.20	464.97	
6	303.16	298.37	475.56	357.04	6686.95	17978.22	39072.12	15533.74	3113.84	499.01	392.34	464.97	
7	303.16	312.86	505.48	347.12	7442.98	17498.43	40700.90	14291.77	2666.34	492.63	392.34	464.97	
8	307.98	322.57	480.87	327.45	7708.10	17298.46	41403.26	13198.37	1986.59	486.19	397.43	454.44	
9	307.98	312.86	459.70	312.86	7337.53	17298.46	41638.16	11908.32	1534.01	492.63	438.68	449.19	
10	303.16	317.71	433.47	303.16	8113.58	18098.77	41873.16	11037.50	1203.79	499.01	470.26	449.19	
11	293.59	357.04	505.48	307.98	9275.86	19502.71	41990.77	10098.52	1087.39	492.63	464.97	449.19	
12	284.09	367.03	570.98	307.98	10614.27	21208.95	41873.16	9457.06	871.86	492.63	459.70	449.19	
13	276.10	352.07	651.78	312.86	12010.75	22479.99	41990.77	8717.66	846.74	499.01	459.70	454.44	
14	244.56	347.12	672.35	352.07	13162.49	23246.36	42108.45	8059.23	788.69	492.63	454.44	475.56	
15	202.61	352.07	693.05	433.47	13306.28	24018.36	41990.77	7390.28	651.78	492.63	464.97	486.19	
16	217.65	362.03	720.90	1008.57	13414.39	24563.55	41755.62	7023.22	604.33	486.19	475.56	492.63	
17	264.16	362.03	830.09	1193.94	13703.67	24511.15	41520.76	6686.95	570.98	486.19	486.19	577.64	
18	276.10	387.26	914.08	1858.28	14832.40	24615.97	41168.85	5749.02	557.69	499.01	486.19	597.67	
19	293.59	454.44	922.66	2554.43	15929.14	25141.53	40934.73	5051.21	584.25	505.48	464.97	584.25	
20	293.59	544.55	897.14	2496.17	16610.68	25352.43	40117.46	4322.31	584.25	486.19	464.97	577.64	
21	303.16	706.91	838.40	1973.62	17578.19	25458.03	39304.03	3951.70	577.64	486.19	480.87	557.69	
22	317.71	2797.31	686.11	1807.50	17817.97	25246.93	38320.39	3399.78	551.15	511.97	486.19	544.55	
23	317.71	4766.70	631.36	2846.83	17777.96	25194.22	37072.73	2764.44	570.98	524.94	486.19	537.97	
24	307.98	5385.58	570.98	4469.37	17777.96	25141.53	35455.37	2438.22	577.64	492.63	470.26	544.55	
25	288.83	4962.83	531.48	6686.95	17898.06	25246.93	33377.04	2585.25	557.69	480.87	459.70	505.48	
26	280.09	3512.43	475.56	9275.86	17938.13	25458.03	30814.01	3287.85	557.69	511.97	459.70	454.44	
27	276.10	1744.50	464.97	10549.43	17978.22	25828.40	29160.01	4155.69	570.98	499.01	464.97	438.68	
28	268.11	1213.65	412.79	10939.41	18299.82	27554.55	27554.55	4406.28	557.69	492.63	464.97	433.47	
29	276.10	1293.47	412.79	9913.31	19202.71	30680.94	26146.79	4427.21	524.94	505.48		428.28	
30	272.07	922.66	417.94	8386.95	19933.09	33875.66	25036.22	3913.06	511.97	499.01		428.28	
31		720.90		7232.42	20848.82		23728.20		499.01	499.01		438.68	
Total	8557.71	34865.36	17306.25	88775.96	399334.98	697105.43	1152154.19	271121.84	43557.39	15439.65	12611.49	15095.84	2755926.09 Ton/day
Mean	285.26	1124.69	576.87	2863.74	12881.77	23236.85	37166.26	9037.39	1405.08	498.05	450.41	486.96	7550.48 Ton/day
Max	317.71	5385.58	922.66	10939.41	20848.82	33875.66	42108.45	22434.35	4322.31	524.94	486.19	597.67	42108.45 Ton/day
Min	202.61	272.07	372.05	303.16	4490.48	17298.46	23728.20	2438.22	499.01	480.87	382.20	428.28	202.61 Ton/day

WATER YEAR : 2022**CHAO PHRAYA RIVER BASIN****Chao Phraya River at Ban Bang Kaeo, Ang Thong (C.7A)**

Lat 14 - 35 - 26 N Long 100 - 27 - 12 E

Location : on left bank at Ban Bang Kaco.

	Ban Bang Keao	Amphoe Mueang	Changwat Ang Thong
Drainage Area	Flood Plain		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2006-Cont'd		
Actual Measurement	2006-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	21		
R-Square	0.9694		
Remarks	Continued Sediment Station		

$$QS = 2.5518 QW^{1.16810}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	536.64	600.43	674.57	511.18	4538.39	15178.49	23729.58	16053.44	3483.68	768.92	864.98	855.26	
2	545.72	628.12	600.43	646.66	3882.67	15564.19	24176.05	14898.91	3430.08	788.00	749.91	894.07	
3	519.62	519.62	655.92	712.10	3537.32	15423.74	24511.80	13745.72	3681.08	845.64	740.47	947.00	
4	646.66	519.62	646.66	628.12	3609.10	14411.44	24623.83	12906.96	3645.02	874.63	740.47	894.07	
5	768.92	674.57	554.77	674.57	4093.19	13360.39	24792.01	12212.69	3519.43	845.64	730.97	759.38	
6	797.53	768.92	563.83	545.72	4721.02	12678.10	25016.73	11444.64	3077.77	749.91	721.56	749.91	
7	826.36	864.98	572.98	485.83	5054.26	12274.56	25298.42	10724.73	2745.00	768.92	683.96	730.97	
8	845.64	894.07	554.77	435.85	5411.88	12088.97	25467.71	10112.30	2378.52	712.10	683.96	730.97	
9	826.36	816.71	554.77	528.15	5285.28	12027.23	25580.57	9352.63	2065.95	778.42	740.47	721.56	
10	797.53	807.15	554.77	460.74	5541.35	12460.56	25524.13	8802.89	1858.19	768.92	788.00	768.92	
11	712.10	768.92	563.83	435.85	6331.92	13360.39	25580.57	8291.62	1780.02	712.10	740.47	807.15	
12	609.66	693.30	683.96	469.06	7284.49	14515.65	25637.04	7855.36	1676.60	721.56	730.97	788.00	
13	511.18	545.72	712.10	411.09	8167.22	15564.19	25637.04	7402.93	1548.65	683.96	730.97	749.91	
14	435.85	545.72	749.91	519.62	9034.35	16177.57	25693.52	6949.15	1422.21	600.43	674.57	826.36	
15	411.09	609.66	855.26	778.42	9268.70	16800.44	25637.04	6497.28	1301.68	554.77	826.36	924.69	
16	477.47	609.66	855.26	935.83	9408.59	17217.62	25637.04	6197.91	1139.51	554.77	924.69	924.69	
17	582.09	628.12	874.63	1070.96	9492.61	17217.62	25580.57	5912.14	1025.60	683.96	980.60	924.69	
18	637.34	816.71	958.18	1231.77	10168.89	17217.62	25524.13	5454.63	980.60	864.98	884.38	913.56	
19	702.72	958.18	935.83	1561.40	10994.00	17509.52	25524.13	4887.23	1036.91	826.36	788.00	845.64	
20	721.56	1105.16	816.71	1689.50	11444.64	17676.59	25354.80	4363.35	1082.34	826.36	855.26	797.53	
21	816.71	1197.02	797.53	1625.31	12088.97	17760.26	25185.74	3863.68	1082.34	864.98	947.00	730.97	
22	864.98	1741.15	712.10	1485.27	12398.55	17634.88	24848.11	3519.43	1070.96	924.69	935.83	749.91	
23	855.26	2761.53	637.34	1832.05	12429.60	17593.08	24567.81	3234.73	1150.92	924.69	894.07	788.00	
24	788.00	3358.92	674.57	2728.57	12398.55	17509.52	23952.66	3010.76	1208.59	874.63	835.96	778.42	
25	693.30	3252.41	712.10	3901.76	12584.82	17676.59	22951.04	3027.52	1162.42	903.84	874.63	778.42	
26	582.09	2564.44	826.36	5780.82	12647.06	17802.01	21639.04	3341.07	1150.92	1070.96	924.69	778.42	
27	469.06	1548.65	768.92	6925.24	12771.48	17969.48	20619.69	3789.40	1105.16	721.56	874.63	712.10	
28	402.93	1003.03	665.27	7521.56	12906.96	18936.70	19642.77	3978.16	1093.74	683.96	845.64	749.91	
29	511.18	991.84	628.12	7164.73	13570.38	20708.83	18683.73	4035.66	924.69	864.98		740.47	
30	502.69	749.91	572.98	6197.91	14097.48	22575.04	17885.77	3789.40	807.15	778.42		740.47	
31		712.10		5327.43	14724.51		16925.48		730.97	845.64		740.47	
Total	19398.24	34256.34	20934.43	65223.07	279888.23	484891.27	741428.55	219656.32	54366.70	24388.70	22713.47	24841.89	1991987.21 Tonday
Mean	646.61	1105.04	697.81	2103.97	9028.65	16163.04	23917.05	7321.88	1753.76	786.73	811.20	801.35	5457.50 Ton/day
Max	864.98	3358.92	958.18	7521.56	14724.51	22575.04	25693.52	16053.44	3681.08	1070.96	980.60	947.00	25693.52 Ton/day
Min	402.93	519.62	554.77	411.09	3537.32	12027.23	16925.48	3010.76	730.97	554.77	674.57	712.10	402.93 Ton/day

WATER YEAR : 2022**CHAO PHRAYA RIVER BASIN****Chao Phraya River at Ban Bang Luang, Chai Nat (C.13)**

Lat 15 - 09 - 50 N Long 100 - 11 - 17 E

Location : on left bank at Wat Pho Ngam about 1.5 kilometers downstream from Chao Phraya Diversion Dam

	Ban Bang Luang	Amphoe Sanphaya	Changwat Chai Nat
Drainage Area	116,801 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1953-Cont'd		
Actual Measurement	1953-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	30		
R-Square	0.9685		
Remarks	Continued Sediment Station		

$$QS = 2.3703 QW^{1.21850}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	345.24	345.24	370.80	383.78	5184.13	21033.16	33661.83	20713.22	2973.80	496.63	416.38	409.82	
2	345.24	345.24	345.24	383.78	4306.03	21308.00	33967.81	18978.81	3622.62	496.63	409.82	409.82	
3	345.24	345.24	345.24	383.78	4306.03	20032.16	34888.40	17504.50	3897.18	496.63	409.82	409.82	
4	345.24	345.24	345.24	383.78	5015.23	18282.32	35350.33	16221.42	3841.89	496.63	409.82	409.82	
5	345.24	345.24	345.24	370.80	6374.21	17220.17	35736.00	14780.62	3088.39	496.63	409.82	409.82	
6	345.24	345.24	345.24	345.24	6634.14	16500.05	37130.96	13534.42	2579.08	496.63	409.82	409.82	
7	345.24	345.24	345.24	345.24	7559.91	16142.08	39720.56	12164.00	2030.23	496.63	409.82	409.82	
8	345.24	345.24	345.24	345.24	7207.37	16022.93	41943.18	11049.94	1401.42	496.63	409.82	409.82	
9	345.24	345.24	345.24	345.24	7087.22	16300.96	43208.86	9779.22	1029.21	496.63	409.82	409.82	
10	345.24	345.24	442.87	345.24	8188.35	17380.89	44632.86	8965.06	887.47	496.63	409.82	409.82	
11	345.24	345.24	496.63	345.24	9280.85	18935.25	45359.44	8050.88	773.60	496.63	409.82	409.82	
12	345.24	345.24	600.24	345.24	10520.25	20622.10	45359.44	7505.71	717.79	496.63	409.82	409.82	
13	295.06	345.24	649.76	345.24	12095.87	21491.53	45723.36	6919.69	628.49	496.63	409.82	409.82	
14	226.92	345.24	694.13	370.80	12436.91	22367.32	44995.89	6209.87	565.37	496.63	409.82	409.82	
15	265.36	345.24	749.61	671.24	12436.91	23074.25	44029.03	5761.39	496.63	496.63	409.82	409.82	
16	338.90	345.24	805.85	1088.73	12436.91	23465.03	42916.14	5482.11	496.63	496.63	409.82	476.37	
17	345.24	345.24	895.67	1478.62	13280.24	23465.03	42331.95	5141.84	496.63	496.63	409.82	496.63	
18	345.24	345.24	871.03	2619.11	14522.36	23660.79	41167.58	4119.28	523.94	496.63	409.82	496.63	
19	345.24	345.24	822.06	2843.93	15312.23	24053.18	40009.25	3587.58	517.11	496.63	409.82	496.63	
20	345.24	370.80	757.65	2314.77	16221.42	24053.18	37996.68	3039.12	496.63	496.63	409.82	496.63	
21	345.24	1346.82	586.25	1590.08	16779.39	24053.18	36742.62	2635.05	496.63	496.63	409.82	496.63	
22	345.24	3915.60	517.11	2210.58	16779.39	24053.18	35350.33	2314.77	496.63	496.63	409.82	496.63	
23	345.24	5610.73	503.41	3823.53	16779.39	24053.18	33738.36	2030.23	496.63	496.63	409.82	496.63	
24	345.24	5546.35	462.87	5632.14	16899.39	24053.18	32127.84	1840.23	496.63	496.63	409.82	469.65	
25	345.24	4683.98	462.87	8215.87	16619.69	24053.18	30277.29	2380.34	496.63	496.63	409.82	409.82	
26	345.24	2433.11	416.38	10074.44	16779.39	24053.18	28522.01	3203.63	496.63	496.63	409.82	409.82	
27	345.24	1097.23	383.78	11016.46	16779.39	24693.37	27091.83	3768.55	496.63	496.63	409.82	409.82	
28	345.24	1467.55	383.78	10520.25	17260.29	26708.93	25733.76	3915.60	496.63	496.63	409.82	409.82	
29	345.24	1012.41	383.78	9049.02	18065.74	30277.29	24496.10	3553.90	496.63	496.63		409.82	
30	345.24	789.70	383.78	7587.04	18935.25	32384.76	23367.19	3039.12	496.63	496.63		409.82	
31		628.49		6444.98	19988.18		22228.62		496.63	496.63		409.82	
Total	10102.48	35462.33	15402.23	92219.43	382072.06	663793.81	1129805.50	228190.10	36527.04	15395.53	11481.52	13438.47	2633890.50 Tonday
Mean	336.75	1143.95	513.41	2974.82	12324.91	22126.46	36445.34	7606.34	1178.29	496.63	410.05	433.50	7216.14 Ton/day
Max	345.24	5610.73	895.67	11016.46	19988.18	32384.76	45723.36	20713.22	3897.18	496.63	416.38	496.63	45723.36 Ton/day
Min	226.92	345.24	345.24	345.24	4306.03	16022.93	22228.62	1840.23	496.63	496.63	409.82	409.82	226.92 Ton/day

WATER YEAR : 2022**CHAO PHRAYA RIVER BASIN****Chao Phraya River at Ban Pom, Phra Nakhon Si Ayutthaya (C.35)**

Lat 14 - 22 - 09 N Long 100 - 31 - 43 E

Location : on right bank at Ban Pom

	Ban Pom	Amphoe Phra Nakhon Si Ayutthaya	Changwat Phra Nakhon Si Ayutthaya
Drainage Area	Flood Plain		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1997-Cont'd		
Actual Measurement	1997-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	19		
R-Square	0.9425		
Remarks	Continued Sediment Station		

$$QS = 3.8652 QW^{1.10270}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	846.50	908.81	887.99	712.86	3000.30	8655.51	11913.10	8995.52	3019.16	1151.84	1276.34	1290.24	
2	856.86	940.18	867.23	950.64	2962.62	8825.36	12224.29	8434.24	3019.16	1220.86	1110.61	1373.96	
3	805.13	815.44	950.64	1003.08	2793.68	8712.10	12493.07	7914.65	3038.50	1290.24	1138.08	1444.10	
4	1024.20	805.13	908.81	908.81	2737.55	8297.24	12728.76	7533.78	2906.26	1318.09	1151.84	1332.04	
5	1151.84	929.74	794.83	961.11	2849.92	7805.65	12931.09	7255.93	2943.79	1248.57	1124.33	1165.61	
6	1193.20	1034.74	825.76	805.13	3154.89	7456.40	12998.54	6931.19	2793.68	1124.33	1124.33	1151.84	
7	1220.86	1179.40	805.13	743.48	3330.18	7331.05	13099.91	6583.14	2625.70	1124.33	1045.29	1124.33	
8	1262.44	1220.86	794.83	733.26	3447.55	7255.93	13167.44	6312.73	2421.64	1055.85	1055.85	1110.61	
9	1207.02	1124.33	805.13	836.09	3525.95	7280.96	13235.09	6092.87	2257.56	1179.40	1138.08	1083.20	
10	1165.61	1179.40	836.09	743.48	3722.81	7560.88	13336.54	5849.47	2173.93	1124.33	1151.84	1151.84	
11	1034.74	1151.84	856.86	702.68	4195.13	7914.65	13438.15	5582.84	2140.52	1045.29	1083.20	1193.20	
12	919.23	1055.85	982.08	733.26	4633.83	8324.59	13438.15	5398.40	2123.87	1069.52	1083.20	1151.84	
13	815.44	867.23	961.11	641.84	4633.83	8797.08	13471.95	5149.87	1991.03	1013.67	1055.85	1124.33	
14	743.48	877.60	1003.08	815.44	5443.68	9052.30	13505.84	4924.93	1826.08	898.40	1024.20	1262.44	
15	743.48	919.23	1096.89	1124.33	5558.59	9251.35	13471.95	4678.48	1695.09	877.60	1290.24	1387.97	
16	805.13	898.40	1055.85	1165.61	5752.36	9336.81	13438.15	4445.31	1514.55	887.99	1401.98	1373.96	
17	898.40	908.81	1110.61	1234.70	5873.76	9336.81	13438.15	4278.31	1472.24	1055.85	1472.24	1359.98	
18	1110.61	1193.20	1165.61	1290.24	6214.91	9308.29	13370.40	4049.73	1416.01	1332.04	1276.34	1318.09	
19	1248.57	1332.04	1124.33	1387.97	6533.55	9393.79	13302.69	3722.81	1514.55	1234.70	1179.40	1207.02	
20	1083.20	1486.33	982.08	1416.01	6682.41	9422.25	13235.09	3427.97	1528.68	1262.44	1318.09	1138.08	
21	1234.70	1571.14	992.57	1542.82	6906.27	9393.79	13099.91	3096.69	1556.97	1304.16	1444.10	1083.20	
22	1262.44	1826.08	908.81	1528.68	7155.89	9308.29	12897.33	3019.16	1542.82	1373.96	1401.98	1096.89	
23	1248.57	2090.60	867.23	1727.71	7180.89	9336.81	12728.76	2868.69	1695.09	1373.96	1304.16	1110.61	
24	1165.61	2257.56	950.64	2073.99	7230.91	9279.86	12425.87	2868.69	1727.71	1304.16	1220.86	1096.89	
25	1024.20	2123.87	992.57	2662.88	7381.16	9393.79	12098.14	2962.62	1646.18	1387.97	1318.09	1096.89	
26	898.40	1695.09	1193.20	3486.73	7533.78	9507.85	11697.66	3116.08	1646.18	1542.82	1401.98	1110.61	
27	753.71	1290.24	1045.29	4008.37	7723.95	9622.04	11298.46	3252.20	1571.14	1013.67	1332.04	1034.74	
28	712.86	1110.61	940.18	4382.66	7832.85	9858.31	10930.85	3330.18	1542.82	1034.74	1304.16	1124.33	
29	825.76	1024.20	898.40	4340.91	8133.07	10500.64	10531.26	3369.23	1304.16	1359.98		1096.89	
30	815.44	836.09	825.76	3863.60	8406.86	11329.11	10010.89	3252.20	1151.84	1179.40		1110.61	
31		898.40		3369.23	8571.54		9393.79		1124.33	1318.09		1110.61	
Total	30077.63	37552.44	28429.59	51897.60	171104.67	266849.49	389351.27	148697.91	60931.24	36708.25	34228.70	36816.95	1292645.74 Ton/day
Mean	1002.59	1211.37	947.65	1674.12	5519.51	8894.98	12559.72	4956.60	1965.52	1184.14	1222.45	1187.64	3541.50 Ton/day
Max	1262.44	2257.56	1193.20	4382.66	8571.54	11329.11	13505.84	8995.52	3038.50	1542.82	1472.24	1444.10	13505.84 Ton/day
Min	712.86	805.13	794.83	641.84	2737.55	7255.93	9393.79	2868.69	1124.33	877.60	1024.20	1034.74	641.84 Ton/day

WATER YEAR : 2022**SAKAE KRANG RIVER BASIN****Huai Tak Dad at Ban Don Yai, Uthai Thani (Ct.19)**

Lat 15 - 27 - 37 N Long 100 - 01 - 18 E

Location : on right bank at Ban Don Yai.

	Ban Don Yai	Amphoe Mueang	Changwat Uthai Thani
Drainge Area	4,083 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	14		
R-Square	0.9315		
Remarks	Continued Sediment Station		

$$QS = 16.9080 QW^{0.99430}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	172.85	42.72	581.06	52.91	1037.22	4589.00	82.60	191.26	7.64	5.45	5.45	
2	0.00	323.18	42.72	425.91	294.08	501.46	4090.99	76.94	257.35	7.64	5.45	5.45	
3	0.00	522.89	41.55	257.35	545.96	458.25	3836.80	113.23	312.43	7.64	5.45	5.45	
4	0.00	145.96	40.21	117.55	1048.55	517.61	4175.86	122.04	339.54	7.14	5.45	5.45	
5	0.00	73.27	40.21	60.59	1296.32	512.17	5014.61	59.26	165.55	7.14	5.45	5.45	
6	0.00	37.70	206.01	47.90	1318.78	616.15	6050.72	49.07	128.52	7.14	5.45	5.45	
7	0.00	56.75	1161.15	44.06	901.87	958.39	6354.79	46.56	97.92	7.14	5.45	5.45	
8	0.00	70.60	826.76	45.23	774.14	2386.68	5609.15	70.60	57.92	7.14	5.45	5.45	
9	0.00	87.10	404.29	51.58	1183.79	3266.65	4226.68	47.90	26.98	7.14	5.45	5.45	
10	0.00	154.59	150.28	339.54	1562.15	4141.98	3785.96	40.21	24.13	7.14	5.45	5.45	
11	0.00	235.33	308.80	286.80	1549.38	3785.96	4107.93	37.70	18.08	7.14	5.45	5.45	
12	0.00	145.96	835.47	452.80	1014.73	2936.07	4552.04	35.19	17.58	7.14	5.45	5.45	
13	0.00	73.27	589.79	651.38	479.86	2067.74	4459.39	35.19	16.57	7.14	5.45	5.45	
14	0.00	37.70	581.06	660.11	436.63	1497.77	3617.25	33.85	15.90	7.14	5.45	5.45	
15	0.00	40.21	1228.74	651.38	344.83	1003.40	2713.06	35.19	15.39	7.14	5.95	5.45	
16	0.00	80.44	1251.38	633.77	382.66	739.10	2317.39	35.19	15.39	7.14	5.45	5.45	
17	0.00	52.91	835.47	625.04	947.06	818.04	2400.57	35.19	15.39	8.15	5.45	5.45	
18	0.00	135.00	809.16	947.06	818.04	901.87	2549.41	33.85	14.89	7.64	5.45	5.45	
19	0.00	901.87	581.06	935.72	765.42	1194.95	2192.50	32.51	14.22	7.14	5.45	5.45	
20	0.00	1768.32	474.41	747.82	625.04	1446.15	1806.95	30.00	11.52	7.14	5.45	5.45	
21	17.08	1510.71	668.83	563.43	458.25	1082.37	1368.79	28.82	10.51	6.63	5.45	5.45	
22	420.46	958.39	651.38	589.79	308.80	1003.40	1206.27	26.98	8.82	5.45	5.45	5.45	
23	130.68	261.16	589.79	1071.04	279.36	1071.04	924.55	26.48	8.82	5.95	5.45	5.45	
24	35.19	286.80	589.79	1928.86	339.54	1394.52	686.44	25.81	8.15	5.45	5.45	5.45	
25	28.82	239.14	589.79	1343.05	404.29	2192.50	506.73	176.66	8.15	5.45	5.45	5.45	
26	25.30	75.77	447.52	913.21	537.07	2772.50	328.63	344.83	8.15	5.95	5.45	5.45	
27	22.62	97.92	239.14	607.42	1082.37	3234.67	261.16	393.55	8.15	5.45	5.45	5.45	
28	22.62	148.12	246.42	452.80	1262.53	3266.65	198.72	377.21	8.82	5.45	5.45	5.45	
29	24.13	89.26	350.28	272.08	1588.03	3489.75	115.39	242.78	8.15	5.45		5.45	
30	24.13	52.91	901.87	143.80	1845.57	4277.49	119.71	187.61	7.64	5.95		5.45	
31		49.07		70.60	1446.15		425.91		7.64	5.95		5.45	
Total	751.03	8885.15	15726.05	16518.73	25894.16	54572.50	84593.35	2883.00	1849.53	208.94	153.10	168.95	212204.49 Tonday
Mean	25.03	286.62	524.20	532.86	835.30	1819.08	2728.82	96.10	59.66	6.74	5.47	5.45	581.38 Ton/day
Max	420.46	1768.32	1251.38	1928.86	1845.57	4277.49	6354.79	393.55	339.54	8.15	5.95	5.45	6354.79 Ton/day
Min	0.00	37.70	40.21	44.06	52.91	458.25	115.39	25.81	7.64	5.45	5.45	5.45	0.00 Ton/day

WATER YEAR : 2022**PASAK RIVER BASIN****Pasak River at Ban Tan Dieo , Phetchabun (S.3)**

Lat 16 - 46 - 54 N Long 101 - 14 - 48 E

Location : on left bank near the bridge of Samakkhichai - Nonthakit Road.

	Ban Tan Dieo	Amphoe Lom Sak	Changwat Phetchabun
Drainage Area	1,026 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1996-Cont'd		
Actual Measurement	1996-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	18		
R-Square	0.9291		
Remarks	Continued Sediment Station		

$$QS = 7.5388 QW^{1.53840}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	80.45	9.35	5.25	5.98	806.52	1023.34	6744.78	140.97	68.06	6.30	1.57	1.84	
2	23.61	10.63	31.25	2.92	537.72	1683.52	10907.03	162.86	52.71	4.17	2.36	1.31	
3	21.06	8.37	16.29	2.13	1209.95	1059.78	11426.51	119.91	44.69	3.52	2.13	1.06	
4	15.54	10.63	8.73	2.13	369.82	696.27	10701.91	117.17	40.86	3.26	2.36	0.95	
5	13.35	8.37	5.25	2.13	654.33	732.20	8645.21	102.95	35.94	3.52	2.36	0.84	
6	14.07	6.74	4.84	1.84	909.26	1745.50	5313.40	105.86	33.57	3.26	3.52	0.84	
7	11.96	6.30	4.55	1.70	746.63	1078.17	3247.32	111.46	31.25	2.92	4.55	0.73	
8	8.37	6.74	3.52	1.70	2806.95	588.08	2470.08	108.50	25.71	5.25	3.89	0.73	
9	5.98	7.89	3.52	82.59	10498.16	466.66	2625.83	94.95	22.75	5.56	3.52	0.73	
10	5.56	27.88	2.92	1041.50	8875.58	682.19	2086.85	86.92	22.75	5.56	2.92	0.73	
11	4.84	42.12	2.68	1393.52	5050.96	3918.76	2115.14	82.59	18.62	6.74	3.52	0.73	
12	7.89	14.07	4.17	1906.27	2715.41	3633.80	1162.28	80.45	20.24	7.08	4.55	0.73	
13	6.30	9.35	6.74	3012.05	1947.43	3030.94	861.30	74.17	18.62	6.74	3.89	0.63	
14	5.25	34.75	70.08	6368.15	1032.40	2244.07	783.43	68.06	17.83	5.56	2.92	0.63	
15	4.84	40.86	10.63	8952.84	507.05	1238.88	654.33	66.07	17.05	4.17	2.92	0.54	
16	4.84	33.57	4.55	3797.32	806.52	934.20	626.88	64.10	15.54	7.08	3.52	0.54	
17	4.84	21.06	7.08	1096.67	556.42	710.45	581.70	60.22	15.54	4.17	3.52	0.54	
18	4.84	26.79	28.99	359.90	746.63	822.04	461.27	60.22	14.79	5.25	5.25	0.45	
19	4.84	22.75	7.89	289.01	814.27	1308.00	400.60	58.31	14.79	6.74	9.35	0.45	
20	230.23	46.00	4.55	238.34	340.35	806.52	354.98	70.08	14.07	5.25	8.73	0.54	
21	46.00	40.86	2.92	2435.83	2384.33	783.43	321.18	56.42	12.65	4.17	8.73	0.95	
22	21.90	105.86	2.36	3518.56	11113.51	682.19	289.01	49.09	13.35	3.89	9.98	0.73	
23	14.79	100.35	2.13	3427.30	5122.38	978.41	267.28	43.40	15.54	3.89	9.35	0.54	
24	14.79	31.25	1.84	3541.50	2258.55	1059.78	246.55	43.40	21.06	4.17	8.37	0.45	
25	14.07	35.94	2.36	1851.86	2143.56	1382.73	222.22	70.08	7.89	3.89	7.08	0.45	
26	9.98	13.35	12.65	1068.96	3247.32	7371.48	218.07	114.15	7.54	2.36	5.56	0.45	
27	8.37	8.73	4.84	489.45	4441.46	9796.62	242.24	76.24	7.54	1.84	3.89	0.37	
28	8.37	5.98	2.68	354.98	3726.93	7726.82	206.88	359.90	7.54	1.70	3.26	0.37	
29	7.08	5.25	6.74	172.82	2016.72	3844.50	230.23	137.75	6.74	2.68		0.37	
30	6.74	3.52	32.40	159.81	1634.50	3306.61	162.86	68.06	6.74	2.36		0.37	
31		3.26		620.35	1469.90		182.64		6.74	1.57		0.37	
Total	630.75	748.57	304.40	46200.11	81491.52	65335.94	74759.99	2854.31	658.71	134.62	133.57	20.96	273273.45 Tonday
Mean	21.02	24.15	10.15	1490.33	2628.76	2177.86	2411.61	95.14	21.25	4.34	4.77	0.68	748.69 Ton/day
Max	230.23	105.86	70.08	8952.84	11113.51	9796.62	11426.51	359.90	68.06	7.08	9.98	1.84	11426.51 Ton/day
Min	4.84	3.26	1.84	1.70	340.35	466.66	162.86	43.40	6.74	1.57	1.57	0.37	0.37 Ton/day

WATER YEAR : 2022**PASAK RIVER BASIN****Pasak River at Mueang , Phetchabun (S.4B)**

Lat 16 - 25 - 24 N Long 101 - 09 - 43 E

Location : on left bank about 300 meters downstream, Phatthana Phak Nua 2 bridge.

	Ban Nai Mueang	Amphoe Mueang	Changwat Phetchabun
Drainge Area	3,141 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1996-Cont'd		
Actual Measurement	1996-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	16		
R-Square	0.9446		
Remarks	Continued Sediment Station		

$$QS = 8.0209 QW^{1.37550}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	56.61	0.00	480.53	2187.91	9843.04	230.79	33.06	3.09	1.53	0.00	
2	0.00	0.00	54.18	0.00	547.49	1699.44	10376.75	182.61	33.06	3.09	1.53	0.00	
3	0.00	0.00	54.18	0.00	525.60	1575.04	10750.70	165.24	33.06	3.09	0.76	0.00	
4	0.00	0.00	51.60	0.00	707.29	1291.62	10708.97	144.21	33.06	3.09	0.06	0.00	
5	0.00	0.00	51.60	0.00	369.12	1190.69	10834.29	127.96	33.06	3.09	0.00	0.00	
6	0.00	0.00	6.73	0.00	569.63	1280.14	11002.00	116.13	33.06	3.09	0.00	0.00	
7	0.00	0.00	0.00	2.92	607.05	2407.06	11087.70	116.13	33.06	3.09	0.00	0.00	
8	0.00	0.00	0.00	20.10	874.08	2111.77	11173.59	116.13	33.06	3.09	0.00	0.00	
9	0.00	0.00	0.00	83.47	2758.69	1771.26	11044.83	100.86	33.06	3.09	0.00	0.00	
10	0.00	0.00	0.00	456.42	4446.43	1648.24	10750.70	83.47	33.06	3.09	0.00	0.00	
11	0.00	0.00	0.00	1771.26	5085.98	2203.23	9924.65	75.22	25.52	2.27	0.00	0.00	
12	0.00	0.00	0.00	2519.81	5358.92	4057.55	7479.62	75.22	13.37	2.12	0.00	0.00	
13	0.00	0.00	0.00	2936.82	5138.71	5085.98	4225.11	72.39	10.31	2.12	0.00	0.00	
14	0.00	0.00	0.00	4081.11	4298.54	5560.57	2535.73	67.01	10.31	2.12	0.00	0.00	
15	0.00	0.00	0.00	4446.43	2635.56	5560.57	1685.17	64.46	8.58	2.12	0.00	0.00	
16	0.00	18.69	0.00	4670.79	1466.96	5112.32	1303.11	61.75	8.58	2.12	0.00	0.00	
17	0.00	18.69	0.00	4645.71	1337.78	4274.03	1148.56	61.75	7.26	2.12	0.00	0.00	
18	0.00	34.37	0.00	3820.99	1268.70	3141.58	976.09	61.75	5.70	2.12	0.00	0.00	
19	0.00	34.37	0.00	1873.15	1575.04	2829.58	795.28	61.75	5.70	2.12	0.00	0.00	
20	0.00	43.88	0.00	920.07	1648.24	2758.69	676.01	61.75	5.70	2.12	0.00	0.00	
21	0.00	46.71	0.00	1660.52	1443.23	2172.62	554.85	61.75	5.20	2.12	0.00	0.00	
22	0.00	69.78	0.00	3123.02	2705.58	1858.50	474.47	59.26	5.20	2.12	0.00	0.00	
23	0.00	69.78	0.00	4446.43	4298.54	1587.17	369.12	59.26	5.20	2.12	0.00	0.00	
24	0.00	69.78	0.00	4372.31	4928.68	1887.84	303.09	59.26	5.20	2.12	0.00	0.00	
25	0.00	69.78	0.00	4009.92	4876.54	2954.53	240.78	98.01	5.20	2.12	0.00	0.00	
26	0.00	69.78	0.00	2973.37	3844.17	5416.33	216.01	182.61	5.20	2.12	0.00	0.00	
27	0.00	61.75	0.00	1431.41	4323.09	7551.06	206.32	216.01	4.91	2.12	0.00	0.00	
28	0.00	59.26	0.00	874.08	5138.71	8312.20	192.00	192.00	4.91	2.12	0.00	0.00	
29	0.00	59.26	0.00	592.00	5165.13	8609.56	206.32	335.66	4.91	2.12		0.00	
30	0.00	59.26	0.00	324.71	4081.11	9159.16	211.15	192.00	4.25	2.12		0.00	
31		59.26		266.27	2865.21		178.22		3.52	1.75		0.00	
Total	0.00	844.40	274.90	56323.09	85370.33	107256.24	141474.23	3502.40	485.33	75.20	3.88	0.00	395610.00 Tonday
Mean	0.00	27.24	9.16	1816.87	2753.88	3575.21	4563.68	116.75	15.66	2.43	0.14	0.00	1083.86 Ton/day
Max	0.00	69.78	56.61	4670.79	5358.92	9159.16	11173.59	335.66	33.06	3.09	1.53	0.00	11173.59 Ton/day
Min	0.00	0.00	0.00	0.00	369.12	1190.69	178.22	59.26	3.52	1.75	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**PASAK RIVER BASIN****Lam Muak Lek at Ban Tharahad , Saraburi (S.7A)**

Lat 14 - 47 - 22 N Long 101 - 07 - 02 E

Location : on right bank at Ban Tharahad.

	Ban Tharahad	Amphoe Wang Muang	Changwat Saraburi
Drainage Area	628 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2018-Cont'd		
Actual Measurement	2018-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	19		
R-Square	0.8895		
Remarks	Continued Sediment Station		

$$QS = 5.5412 QW^{0.95250}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	28.45	23.31	34.93	15.33	14.77	53.17	217.26	16.48	14.77	13.67	34.93	35.75	
2	30.58	24.05	34.93	15.88	14.77	53.17	145.83	16.48	14.77	13.67	25.52	27.72	
3	30.58	23.31	34.93	15.88	13.67	52.27	133.84	16.48	14.77	13.67	24.05	16.48	
4	29.86	23.31	34.21	15.88	11.95	52.27	148.57	16.48	14.77	13.67	23.31	16.48	
5	29.86	23.31	34.93	14.77	11.95	52.27	176.44	16.48	14.77	13.67	23.31	16.48	
6	29.86	23.31	34.21	11.95	11.95	53.17	152.64	16.48	14.77	13.67	23.31	16.48	
7	29.86	23.31	34.21	13.06	11.95	55.05	116.90	16.48	14.77	13.67	18.12	13.67	
8	29.86	23.31	34.93	13.06	12.50	56.88	94.70	16.48	14.77	13.67	12.50	11.39	
9	29.86	24.05	34.93	13.06	12.50	55.05	29.86	16.48	14.77	13.67	11.95	13.06	
10	30.58	23.31	34.21	13.06	12.50	55.05	27.72	16.48	14.22	13.67	11.95	24.05	
11	30.58	23.31	34.21	13.06	12.50	54.11	19.81	18.67	14.22	13.67	11.95	27.72	
12	30.58	23.31	34.21	13.06	32.04	48.06	14.77	20.36	14.22	33.48	11.95	27.72	
13	30.58	23.31	34.21	13.67	32.04	47.26	14.77	19.81	14.22	70.76	11.95	21.84	
14	32.04	23.31	34.21	13.67	31.31	47.26	14.77	19.81	14.22	69.74	11.95	14.22	
15	32.76	23.31	34.21	13.67	31.31	48.87	14.77	20.36	14.22	67.92	11.95	15.33	
16	32.76	23.31	29.13	13.67	32.76	52.27	14.77	19.81	14.22	66.06	11.39	15.33	
17	32.76	23.31	21.84	13.67	32.76	52.27	14.22	19.81	14.22	63.35	11.39	15.33	
18	28.45	23.31	24.05	13.67	28.45	52.27	14.22	19.81	14.22	60.59	11.39	15.33	
19	24.05	26.25	22.58	13.67	32.04	52.27	14.22	19.81	14.22	59.65	11.39	15.33	
20	24.05	34.93	22.58	13.67	32.76	47.26	14.22	19.81	14.22	54.11	11.39	14.77	
21	24.79	34.21	21.84	13.67	38.25	37.43	13.67	20.36	14.22	49.72	11.39	11.95	
22	24.05	33.48	22.58	13.67	40.69	29.86	13.67	20.36	13.67	48.06	12.50	11.95	
23	24.05	35.75	19.81	14.22	43.17	22.58	13.67	20.36	13.67	47.26	16.48	11.95	
24	22.58	35.75	15.88	14.22	45.64	21.10	13.67	18.12	13.67	46.45	26.25	11.95	
25	22.58	33.48	15.88	14.22	47.26	27.72	13.67	13.67	13.67	42.36	36.57	11.39	
26	22.58	33.48	15.88	14.22	50.52	32.76	13.67	13.67	13.67	36.57	36.57	11.39	
27	23.31	33.48	15.88	14.22	52.27	46.45	13.67	13.67	13.67	34.93	35.75	11.39	
28	23.31	33.48	15.88	14.22	52.27	57.82	13.67	13.67	13.67	39.06	35.75	11.39	
29	23.31	33.48	15.33	14.77	52.27	62.42	13.67	13.67	13.67	39.06		11.39	
30	23.31	32.76	15.33	14.22	52.27	112.95	13.67	14.77	13.67	38.25		11.39	
31		33.48		14.22	52.27		15.33		13.67	40.69		11.39	
Total	831.83	855.07	811.94	433.28	953.36	1491.34	1546.33	525.18	440.27	1158.44	536.91	502.01	10085.96 Tonday
Mean	27.73	27.58	27.06	13.98	30.75	49.71	49.88	17.51	14.20	37.37	19.18	16.19	27.63 Ton/day
Max	32.76	35.75	34.93	15.88	52.27	112.95	217.26	20.36	14.77	70.76	36.57	35.75	217.26 Ton/day
Min	22.58	23.31	15.33	11.95	11.95	21.10	13.67	13.67	13.67	13.67	11.39	11.39	11.39 Ton/day

WATER YEAR : 2022**PASAK RIVER BASIN****Pasak River at Ban Pa , Saraburi (S.9)**

Lat 14 - 37 - 45 N Long 101 - 00 - 52 E

Location : on left bank at Ban Mueang Nua railway bridge.

	Ban Pa	Amphoe	Kaeng Khoi	Changwat	Saraburi
Drainage Area	14,350 sq.km.				
Method of sampling	Depth Integrating				
Instrument Used	US.D-49				
Period of Available Records	1978-Cont'd				
Actual Measurement	1978-Cont'd				
Using Rating Curve Water Year	2022				
Number of observation	20				
R-Square	0.9181				
Remarks	Continued Sediment Station				

$$QS = 3.0432 QW^{1.16780}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	288.90	370.24	168.17	292.19	452.87	2995.37	4037.18	388.37	187.17	495.37	476.00	456.74	
2	292.19	373.65	285.56	298.91	557.67	2539.82	5568.31	339.40	187.17	495.37	460.54	510.92	
3	298.91	373.65	319.06	292.19	585.04	2396.35	6453.86	329.21	189.87	487.55	445.22	491.46	
4	298.91	370.24	325.80	237.18	580.50	2476.87	6990.89	329.21	231.54	384.59	363.31	472.11	
5	259.12	370.24	422.32	214.75	585.04	2530.76	8008.43	322.40	237.18	288.90	437.59	399.67	
6	278.88	370.24	472.11	214.75	594.20	2485.90	8798.28	319.06	237.18	332.56	445.22	388.37	
7	275.62	377.13	426.15	217.50	612.67	2441.06	8824.42	315.67	237.18	373.65	445.22	388.37	
8	240.04	380.89	426.15	217.50	603.39	2512.84	8785.21	312.28	302.21	384.59	407.20	335.98	
9	223.09	349.64	414.75	217.50	631.14	2639.13	8884.23	308.96	335.98	384.59	384.59	332.56	
10	234.33	335.98	414.75	223.09	741.83	2693.51	8884.23	217.50	335.98	380.89	380.89	339.40	
11	285.56	325.80	418.57	225.92	827.84	2893.92	8914.21	178.98	332.56	380.89	346.20	305.58	
12	380.89	285.56	407.20	249.32	954.58	3046.33	8772.15	170.83	332.56	268.97	349.64	356.47	
13	437.59	265.73	223.09	255.89	1012.05	3097.41	8407.40	170.83	329.21	325.80	329.21	363.31	
14	506.99	220.32	282.21	265.73	1023.60	3076.94	7607.48	170.83	329.21	429.91	339.40	329.21	
15	518.72	178.98	403.39	259.12	1035.26	3171.08	6716.23	129.47	315.67	460.54	377.13	308.96	
16	526.53	223.09	418.57	249.32	1134.30	3162.01	5932.89	108.47	329.21	571.36	422.32	325.80	
17	510.92	262.42	403.39	192.64	1487.99	3152.95	5153.51	104.33	319.06	598.83	433.75	329.21	
18	506.99	268.97	464.41	176.23	1623.47	3162.01	4326.53	104.33	325.80	598.83	410.93	329.21	
19	510.92	288.90	422.32	214.75	1758.65	2904.11	3735.56	104.33	325.80	580.50	388.37	335.98	
20	410.93	295.54	414.75	246.11	1894.35	2360.71	3243.92	98.21	312.28	562.25	353.02	353.02	
21	377.13	231.54	370.24	255.89	2194.52	1902.32	2684.37	92.09	295.54	522.66	308.96	353.02	
22	395.87	211.93	370.24	259.12	2648.15	1666.57	2285.08	92.09	302.21	353.02	305.58	342.76	
23	414.75	200.86	272.29	259.12	3326.04	1509.29	2031.38	96.17	418.57	332.56	329.21	339.40	
24	422.32	192.64	265.73	305.58	3472.86	1466.81	1711.15	98.21	429.91	339.40	346.20	349.64	
25	460.54	187.17	259.12	308.96	3399.38	1335.67	1573.38	92.09	429.91	342.76	384.59	349.64	
26	468.22	189.87	249.32	305.58	3335.17	1188.07	1544.81	86.03	429.91	349.64	395.87	346.20	
27	456.74	189.87	237.18	305.58	3705.07	1230.90	1466.81	86.03	437.59	410.93	395.87	346.20	
28	437.59	192.64	234.33	325.80	4304.45	1703.30	1046.84	82.08	441.37	426.15	407.20	329.21	
29	437.59	189.87	231.54	322.40	3878.06	2369.59	645.01	82.08	429.91	433.75		305.58	
30	370.24	189.87	234.33	363.31	3909.85	3180.15	514.85	133.75	468.22	433.75		302.21	
31		187.17		388.37	3664.56		464.41		495.37	441.37		305.58	
Total	11527.02	8450.64	10257.04	8160.30	56534.55	73291.75	154013.01	5463.29	10311.33	13171.93	10869.23	11121.77	373171.86 Tonday
Mean	384.23	272.60	341.90	263.24	1823.70	2443.06	4968.16	182.11	332.62	424.90	388.19	358.77	1022.39 Ton/day
Max	526.53	380.89	472.11	388.37	4304.45	3180.15	8914.21	388.37	495.37	598.83	476.00	510.92	8914.21 Ton/day
Min	223.09	178.98	168.17	176.23	452.87	1188.07	464.41	82.08	187.17	268.97	305.58	302.21	82.08 Ton/day

WATER YEAR : 2022**PASAK RIVER BASIN****Pasak River at Ban Nong Bua , Lop Buri (S.28)**

Lat 14 - 50 - 05 N Long 101 - 05 - 04 E

Location : on left bank at Ban Nong Bua.

	Ban Nong Bua	Amphoe Phatthana Nikhom	Changwat Lop Buri
Drainage Area	12,838 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	32		
R-Square	0.9756		
Remarks	Continued Sediment Station		

$$QS = 3.7212 QW^{1.10400}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	177.30	249.03	113.81	200.14	361.85	1986.54	3140.18	205.17	84.61	348.21	285.53	272.27	
2	180.44	245.62	188.51	196.79	423.77	1838.39	4566.11	183.58	84.61	348.21	281.08	312.23	
3	183.58	245.62	191.84	186.85	430.71	1855.42	4808.12	182.04	103.59	307.75	228.66	309.99	
4	169.40	242.27	215.20	141.32	430.71	1969.40	5055.82	180.44	122.92	225.34	225.34	309.99	
5	155.33	243.97	283.31	139.81	428.40	1969.40	6244.96	177.30	122.92	215.20	274.48	267.84	
6	175.71	243.97	274.48	136.70	430.71	1952.27	6480.70	175.71	124.46	252.45	274.48	263.42	
7	174.11	245.62	263.42	135.20	438.24	1946.57	6341.03	172.52	142.88	283.31	272.27	238.86	
8	161.59	240.56	267.84	125.95	440.88	1969.40	6454.49	172.52	201.81	285.53	270.05	213.51	
9	124.46	198.46	256.86	124.46	488.26	1980.82	6515.64	136.70	203.49	274.48	274.48	213.51	
10	182.04	198.46	270.05	125.95	599.41	2066.78	6506.84	80.21	203.49	270.05	245.62	177.30	
11	233.76	180.44	270.05	139.81	696.52	2199.13	6489.41	65.80	203.49	205.17	252.45	190.18	
12	312.23	152.18	208.53	155.33	783.84	2259.54	6341.03	64.88	201.81	152.18	225.34	211.83	
13	380.10	144.45	92.41	158.43	798.33	2314.22	5928.37	64.88	201.81	213.51	223.64	210.21	
14	423.77	89.08	206.85	160.01	805.63	2351.60	5237.45	45.67	198.46	252.45	238.86	210.21	
15	421.46	94.64	307.75	161.59	812.92	2395.31	4711.16	20.16	200.14	296.62	256.86	186.85	
16	416.85	150.66	303.33	133.64	998.05	2420.33	4209.23	18.29	198.46	370.96	261.21	213.51	
17	412.24	152.18	303.33	103.59	1288.43	2420.33	3573.39	17.67	198.46	366.40	259.06	208.53	
18	412.24	155.33	307.75	125.95	1383.24	2320.47	3045.61	17.67	198.46	364.12	259.06	208.53	
19	366.40	156.85	298.85	146.01	1554.66	1940.86	2682.06	16.39	198.46	364.12	238.86	208.53	
20	261.21	132.09	278.86	150.66	1784.97	1474.20	2307.97	16.39	198.46	361.85	206.85	208.53	
21	261.21	90.19	252.45	153.75	2066.78	1219.05	1883.84	17.00	198.46	250.74	188.51	208.53	
22	267.84	89.08	201.81	147.52	2695.12	1070.15	1646.67	17.00	254.65	177.30	188.51	193.51	
23	289.99	87.98	170.99	167.81	3066.87	952.72	1396.81	17.00	321.16	175.71	188.51	208.53	
24	309.99	79.11	167.81	191.84	2988.94	882.39	1170.37	17.00	321.16	174.11	191.84	210.21	
25	334.69	84.61	166.28	196.79	2812.93	754.65	1129.90	17.00	321.16	185.18	200.14	210.21	
26	336.89	85.71	164.70	203.49	2799.82	683.62	1138.00	16.39	318.97	225.34	200.14	210.21	
27	323.41	86.81	163.11	206.85	3344.86	845.74	937.70	16.39	318.97	256.86	206.85	210.21	
28	307.75	85.71	161.59	210.21	3360.07	1235.30	544.49	16.39	323.41	265.63	232.06	203.49	
29	272.27	85.71	160.01	221.95	2967.65	1439.09	359.57	31.14	332.43	265.63		208.53	
30	242.27	86.81	174.11	261.21	3038.50	1827.71	318.97	84.61	359.57	265.63		201.81	
31		66.71		272.27	2539.48		240.56		352.75	272.27		15.16	
Total	8270.53	4689.91	6685.89	5181.88	47060.55	52541.40	111406.45	2263.91	6815.48	8272.31	6650.74	6716.23	266555.28 Tonday
Mean	275.68	151.29	222.86	167.16	1518.08	1751.38	3593.76	75.46	219.85	266.85	237.53	216.65	730.29 Ton/day
Max	423.77	249.03	307.75	272.27	3360.07	2420.33	6515.64	205.17	359.57	370.96	285.53	312.23	6515.64 Ton/day
Min	124.46	66.71	92.41	103.59	361.85	683.62	240.56	16.39	84.61	152.18	188.51	15.16	15.16 Ton/day

WATER YEAR : 2022**PASAK RIVER BASIN****Pasak River at Ban Tha Hi Yong , Phetchabun (S.33)**

Lat 17 - 00 - 15 N Long 101 - 21 - 11 E

Location : on left bank at Ban Tha Hai Yong

	Ban	Tha Hai Yong	Amphoe	Lom Kao	Changwat	Phetchabun
Drainage Area	515	sq.km.				
Method of sampling	Depth	Integrating				
Instrument Used	US.D-49					
Period of Available Records	2001-Cont'd					
Actual Measurement	2001-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	20					
R-Square	0.8597					
Remarks	Continued Sediment Station					

$$QS = 7.1476 QW^{1.70580}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	17.85	11.04	21.17	11.48	227.33	1229.08	13585.01	118.60	69.69	44.98	38.17	33.19	
2	14.27	13.79	15.26	9.76	797.33	447.20	18251.65	116.27	67.20	44.98	38.17	33.19	
3	13.31	11.48	12.84	10.17	162.84	363.04	12666.90	108.65	67.20	44.98	38.17	33.19	
4	12.84	10.17	13.31	10.17	197.57	295.32	5990.49	103.81	68.44	44.98	38.90	33.19	
5	11.48	9.76	13.31	9.76	488.46	1505.36	2450.36	101.97	65.98	44.20	40.39	33.19	
6	11.04	9.76	12.38	9.76	427.14	657.91	1505.36	100.14	59.98	44.20	40.39	33.19	
7	10.60	9.76	11.93	9.76	3645.12	338.62	1075.35	100.14	59.98	43.43	39.64	33.19	
8	11.04	11.93	11.48	24.12	12154.26	246.00	1229.08	98.33	58.81	43.43	38.17	33.88	
9	10.60	23.52	11.04	58.81	7973.29	290.22	1008.30	92.98	57.64	43.43	38.17	33.19	
10	10.60	13.31	11.04	433.78	2241.33	1061.80	1436.86	86.05	57.64	44.20	37.44	33.19	
11	10.60	11.93	17.85	350.75	1102.66	1102.66	666.65	86.05	56.49	44.20	37.44	33.19	
12	11.04	11.93	11.48	1973.48	756.61	1862.51	523.99	84.35	56.49	44.20	36.72	33.19	
13	10.60	18.39	44.20	7313.57	427.14	1061.80	447.20	80.99	54.22	43.43	36.00	33.19	
14	10.17	15.26	15.26	1862.51	260.41	553.15	388.16	80.99	51.98	42.66	36.00	32.50	
15	10.17	16.79	14.27	711.04	212.23	453.97	344.66	79.33	50.88	41.90	35.29	32.50	
16	9.76	12.38	27.22	201.44	236.59	369.26	321.36	77.69	50.88	41.90	35.29	32.50	
17	10.17	15.77	16.79	89.49	216.22	285.16	280.13	76.06	50.88	41.14	36.00	32.50	
18	17.85	11.04	13.31	131.75	227.33	702.07	241.28	76.06	49.78	41.14	36.00	31.82	
19	36.00	15.77	11.93	64.76	142.51	433.78	219.73	80.99	48.70	41.14	35.29	31.82	
20	15.77	14.76	11.04	3561.88	137.09	427.14	212.23	72.84	49.78	40.39	35.29	31.82	
21	13.31	29.81	10.60	1627.81	58019.27	295.32	201.44	69.69	49.78	40.39	35.29	31.15	
22	13.79	19.48	11.04	1818.87	2266.37	488.46	187.10	69.69	48.70	40.39	35.29	31.15	
23	11.93	23.52	9.76	1775.65	876.94	523.99	176.40	68.44	48.70	39.64	35.29	31.15	
24	10.60	18.39	17.32	657.91	531.21	502.55	166.42	80.99	47.63	39.64	34.58	30.48	
25	9.76	13.31	12.84	212.23	775.16	13986.59	156.23	86.05	47.63	38.90	34.58	29.81	
26	9.76	11.93	12.84	106.40	6105.51	10234.15	145.05	79.33	46.56	39.64	33.88	29.81	
27	9.76	11.04	11.04	128.92	2164.29	5319.49	148.02	96.54	46.56	38.90	33.88	29.81	
28	9.76	10.60	20.60	71.26	775.16	1540.10	142.51	100.14	46.56	38.90	33.19	29.81	
29	11.93	10.17	15.26	64.76	567.97	1116.43	137.09	76.06	46.56	38.17		29.81	
30	12.38	10.17	11.48	326.68	502.55	2190.28	128.92	72.84	45.77	38.17		29.81	
31		27.86		606.50	350.75		123.71		45.77	38.90		29.16	
Total	378.74	454.82	449.89	24245.23	104968.64	49883.41	64557.64	2622.06	1672.86	1296.55	1022.91	989.57	252542.32 Ton/day
Mean	12.62	14.67	15.00	782.10	3386.09	1662.78	2082.50	87.40	53.96	41.82	36.53	31.92	691.90 Ton/day
Max	36.00	29.81	44.20	7313.57	58019.27	13986.59	18251.65	118.60	69.69	44.98	40.39	33.88	58019.27 Ton/day
Min	9.76	9.76	9.76	9.76	137.09	246.00	123.71	68.44	45.77	38.17	33.19	29.16	9.76 Ton/day

WATER YEAR : 2022**PASAK RIVER BASIN****Pasak River at Ban Bo Rang , Phetchabun (S.42)**

Lat 15 - 34 - 42 N Long 101 - 05 - 19 E

Location : on left bank at the bridge.

	Ban Bo Rang	Amphoe Wichian Buri	Changwat Phetchabun
Drainage Area	7,400 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2005-Cont'd		
Actual Measurement	2005-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	16		
R-Square	0.9490		
Remarks	Continued Sediment Station		

$$QS = 4.7217 QW^{1.18360}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	34.45	0.00	0.70	27.27	996.41	2423.55	7316.87	210.44	142.97	0.00	0.00	0.00	
2	26.39	0.00	0.00	22.93	709.59	2429.88	6233.96	180.08	164.55	0.00	0.00	0.00	
3	22.93	0.00	0.00	19.54	918.95	2506.01	5942.01	160.59	122.35	0.00	0.00	0.00	
4	20.38	0.00	0.00	17.88	1231.09	2595.30	5593.59	148.78	85.20	0.00	0.00	0.00	
5	18.71	0.00	0.00	15.43	1133.16	2705.70	5202.92	127.64	67.82	0.00	0.00	0.00	
6	17.06	0.00	0.00	13.83	1099.76	2685.96	4853.11	103.24	57.72	0.00	0.00	0.00	
7	16.24	0.00	0.00	13.05	955.52	2633.71	4569.12	86.51	48.93	0.00	0.00	0.00	
8	15.43	0.00	0.00	13.83	776.83	2525.10	4360.12	73.09	40.92	0.00	0.00	0.00	
9	14.63	0.00	0.00	33.54	1271.73	2601.69	4183.72	65.54	34.45	0.00	0.00	0.00	
10	13.83	0.00	0.00	90.65	2073.82	2813.35	4060.05	59.95	29.04	0.00	0.00	0.00	
11	13.05	23.79	0.00	108.40	2550.59	3059.97	3936.97	53.29	25.52	0.00	0.00	0.00	
12	12.26	23.79	0.00	133.25	2627.30	3237.72	3855.24	47.80	22.93	0.00	0.00	0.00	
13	12.26	20.38	0.00	140.98	2556.97	3192.22	3794.12	44.70	21.22	0.00	0.00	0.00	
14	11.49	18.71	0.00	826.53	2436.21	2968.04	3743.38	31.72	20.38	0.00	0.00	0.00	
15	11.49	16.24	0.00	1395.92	2282.65	2738.66	3718.05	34.45	17.88	0.00	0.00	0.00	
16	10.73	15.43	0.00	1616.48	2343.27	2550.59	3705.48	31.72	15.43	0.00	0.00	0.00	
17	9.47	15.43	0.00	1679.68	2699.12	2385.92	3692.75	29.93	15.43	0.00	0.00	0.00	
18	8.24	17.06	0.00	1679.68	2834.29	2270.55	3654.93	33.54	15.43	0.00	0.00	0.00	
19	8.24	17.06	0.00	1695.54	2718.88	2429.88	3566.65	35.36	12.26	0.00	0.00	0.00	
20	7.03	23.79	0.00	1753.88	2499.65	2685.96	3397.15	32.63	10.09	0.00	0.00	0.00	
21	6.44	36.28	0.00	1817.87	2206.60	2699.12	2925.72	29.04	10.09	0.00	0.00	0.00	
22	6.44	33.54	0.00	1861.86	1955.86	2627.30	2148.72	26.39	7.63	0.00	0.00	0.00	
23	5.86	28.15	0.00	1861.86	1812.52	2569.74	1500.24	25.52	5.29	0.00	0.00	0.00	
24	5.29	22.93	0.00	1801.84	1727.32	2646.53	1008.73	27.27	4.72	0.00	0.00	0.00	
25	4.72	19.54	0.00	1872.88	1684.96	3024.61	691.14	35.36	4.72	0.00	0.00	0.00	
26	4.17	16.24	70.44	1889.43	1764.52	3554.15	536.16	49.97	4.17	0.00	0.00	0.00	
27	3.10	14.63	54.35	1839.84	1817.87	4060.05	435.96	58.79	3.63	0.00	0.00	0.00	
28	1.60	12.26	42.81	1796.50	1878.39	4230.36	355.45	74.45	2.58	0.00	0.00	0.00	
29	0.00	9.47	47.80	1764.52	2045.13	4516.73	305.34	111.86	0.00	0.00		0.00	
30	0.00	7.03	38.13	1695.54	2270.55	5516.61	257.93	146.87	0.00	0.00		0.00	
31		4.72		1438.30	2404.58		222.68		0.00	0.00		0.00	
Total	341.93	396.47	254.23	30938.73	58284.09	88884.96	99768.26	2176.52	1013.35	0.00	0.00	0.00	282058.54 Tonday
Mean	11.40	12.79	8.47	998.02	1880.13	2962.83	3218.33	72.55	32.69	0.00	0.00	0.00	772.76 Ton/day
Max	34.45	36.28	70.44	1889.43	2834.29	5516.61	7316.87	210.44	164.55	0.00	0.00	0.00	7316.87 Ton/day
Min	0.00	0.00	0.00	13.05	709.59	2270.55	222.68	25.52	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**PASAK RIVER BASIN****Pasak River at Ban Phun Sap , Lop Buri (S.43)**

Lat 15 - 19 - 39 N Long 101 - 12 - 45 E

Location : on right bank at the bridge.

	Ban Phun Sap	Amphoe Chai Badan	Changwat Lop Buri
Drainage Area	9,359 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2011-Cont'd		
Actual Measurement	2011-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	30		
R-Square	0.7398		
Remarks	Continued Sediment Station		

$$QS = 36.9410 QW^{0.83000}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1188.92	676.84	672.44	672.44	2633.39	3135.36	10497.47	3005.16	3047.69	2475.93	1745.24	1101.21	
2	1188.92	676.84	672.44	672.44	2168.53	3170.38	11746.14	2999.06	3047.69	2450.76	1719.86	1063.44	
3	1188.92	676.84	672.44	672.44	1845.58	3254.41	11525.95	2992.95	3053.78	2425.54	1694.41	1036.25	
4	1188.92	672.44	672.44	672.44	1907.16	3344.82	10952.57	2980.73	3041.61	2400.14	1681.66	1003.62	
5	1188.92	672.44	672.44	672.44	2127.71	3456.41	10483.88	2968.63	3035.52	2381.22	1656.09	976.11	
6	1188.92	672.44	672.44	672.44	2066.17	3623.58	10030.80	2962.51	3023.33	2355.72	1630.44	948.43	
7	851.33	672.44	672.44	672.44	1986.52	3637.47	8299.92	2950.26	3011.26	2336.72	1611.08	920.74	
8	799.07	672.44	672.44	672.44	1864.00	3637.47	7792.58	2938.00	2999.06	2310.20	1585.28	903.89	
9	788.44	672.44	672.44	672.44	1783.15	3949.65	7378.62	2932.00	2986.84	2290.07	1559.40	887.61	
10	777.94	672.44	672.44	672.44	2209.20	4154.07	7038.81	2925.86	2974.74	2269.91	1536.72	872.08	
11	761.97	672.44	672.44	514.37	3053.78	4615.29	6762.76	2925.86	2962.51	2242.97	1513.97	856.48	
12	740.63	672.44	672.44	686.63	3554.16	4990.01	6554.83	2919.73	2944.13	2236.22	1496.89	835.66	
13	719.17	672.44	672.44	672.44	3581.94	5377.96	6234.21	2919.73	2925.86	2222.72	1474.02	809.51	
14	692.19	672.44	672.44	610.24	3533.21	5473.63	5964.66	2919.73	2907.44	2202.43	1451.07	793.68	
15	686.63	672.44	672.44	1030.83	3393.24	5361.93	5775.30	2925.86	2889.13	2175.32	1422.38	793.68	
16	681.23	672.44	672.44	1565.95	3852.60	4990.01	5670.08	2925.86	2876.82	2141.34	1387.60	788.44	
17	681.23	672.44	672.44	1833.18	4294.61	4416.27	5612.39	2932.00	2849.27	2107.24	1364.37	783.19	
18	676.84	672.44	672.44	1937.73	4491.99	3882.52	5579.60	2932.00	2820.66	2073.03	1341.19	783.19	
19	676.84	672.44	672.44	1962.22	4560.47	3512.36	5556.12	2938.00	2806.40	2041.13	1318.68	783.19	
20	676.84	672.44	672.44	2107.24	4332.78	3595.87	5537.99	2938.00	2791.99	2010.89	1291.94	777.94	
21	676.84	672.44	672.44	2501.17	3978.83	3755.05	5512.16	2938.00	2777.70	1986.52	1270.43	777.94	
22	676.84	672.44	672.44	2734.60	3554.16	3897.53	5201.49	2944.13	2756.16	1968.34	1248.85	777.94	
23	676.84	672.44	672.44	2770.48	3142.39	3985.53	4499.55	2938.00	2727.36	1956.10	1232.58	777.94	
24	676.84	672.44	672.44	2727.36	2842.09	4187.61	3875.08	2950.26	2698.49	1931.60	1216.27	777.94	
25	676.84	672.44	672.44	2611.62	2611.62	4507.12	3449.39	2968.63	2669.55	1913.17	1188.92	772.52	
26	676.84	672.44	672.44	2611.62	2494.83	5393.88	3261.27	2974.74	2640.69	1901.01	1156.00	772.52	
27	676.84	672.44	672.44	2582.49	2507.37	6255.98	3149.43	2986.84	2618.93	1876.35	1139.62	772.52	
28	676.84	672.44	672.44	2501.17	2519.90	6733.63	3084.03	2999.06	2589.82	1845.58	1123.04	772.52	
29	676.84	672.44	672.44	2438.16	2557.55	7546.91	3053.78	3011.26	2563.72	1808.34		772.52	
30	676.84	672.44	672.44	2381.22	2748.94	9261.34	3035.52	3023.33	2532.42	1789.39		767.25	
31		672.44		2362.13	2999.06		3017.24		2507.37	1770.53		767.25	
Total	24112.27	20858.84	20173.20	47867.25	91196.93	137104.05	196133.62	88666.18	88077.94	65896.43	40058.00	26227.20	846371.91 Tonday
Mean	803.74	672.87	672.44	1544.10	2941.84	4570.14	6326.89	2955.54	2841.22	2125.69	1430.64	846.04	2318.83 Ton/day
Max	1188.92	676.84	672.44	2770.48	4560.47	9261.34	11746.14	3023.33	3053.78	2475.93	1745.24	1101.21	11746.14 Ton/day
Min	676.84	672.44	672.44	514.37	1783.15	3135.36	3017.24	2919.73	2507.37	1770.53	1123.04	767.25	514.37 Ton/day

WATER YEAR : 2022

THA CHIN BASIN

Lower Huai Kra Sieo at Ban Thap Man, Suphan Buri (T.12A)

Lat 15 - 00 - 52 N Long 99 - 36 - 59 E

Location : on left bank at Ban Thap Man.

	Ban Thap Man	Amphoe Dan Chang	Changwat Suphan Buri
Drainage Area	640 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2003-Cont'd		
Actual Measurement	2003-Cont'd		
Using Rating Curve Water Year	2003-2022		
Number of observation	196		
R-Square	0.8140		
Remarks	Continued Sediment Station		

$$QS = 7.5060 QW^{1.39950}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	53.89	845.77	38.90	36.07	139.26	266.04	963.30	469.23	349.96	44.73	30.61	17.09	
2	52.24	398.03	86.60	29.36	266.04	198.68	541.53	426.04	223.46	43.33	29.36	17.09	
3	41.78	217.67	50.78	29.36	169.88	98.21	3617.17	363.56	136.13	43.33	29.36	17.09	
4	37.56	116.84	55.37	38.90	163.01	95.38	8842.07	211.65	107.30	44.73	26.76	15.90	
5	33.31	73.59	75.21	27.97	156.22	95.38	9808.61	191.23	89.35	44.73	32.03	14.74	
6	30.61	65.08	173.48	22.92	142.66	101.29	9179.97	163.01	78.07	41.78	49.16	15.90	
7	27.97	107.30	70.19	25.41	129.45	370.25	8577.50	146.08	73.59	38.90	38.90	15.39	
8	26.76	462.07	55.37	47.73	166.56	541.53	8003.78	86.60	68.41	38.90	34.76	14.74	
9	25.41	584.03	49.16	40.42	316.77	881.59	7441.58	78.07	65.08	38.90	34.76	14.24	
10	22.92	202.17	46.31	26.76	177.09	1910.51	6891.25	71.79	61.79	38.90	29.36	15.39	
11	34.76	126.38	41.78	24.23	169.88	1326.74	6347.43	70.19	60.26	38.90	24.23	14.24	
12	24.23	156.22	38.90	22.92	163.01	1023.89	5910.15	68.41	55.37	40.42	25.41	13.12	
13	18.29	156.22	36.07	24.23	187.80	2183.33	5439.88	66.83	55.37	38.90	24.23	12.50	
14	16.56	86.60	41.78	29.36	278.34	1734.70	4986.31	66.83	53.89	36.07	22.92	13.12	
15	15.39	98.21	40.42	36.07	180.47	1228.87	4566.48	70.19	52.24	34.76	47.73	13.12	
16	14.74	163.01	37.56	40.42	169.88	963.30	4156.76	66.83	49.16	36.07	180.47	14.74	
17	13.61	469.23	55.37	180.47	163.01	551.89	3758.88	63.52	49.16	33.31	57.05	12.50	
18	14.24	343.37	40.42	65.08	142.66	627.44	3406.96	63.52	47.73	29.36	41.78	12.50	
19	119.84	323.52	34.76	40.42	113.64	605.62	3093.23	71.79	47.73	37.56	37.56	10.95	
20	49.16	149.27	32.03	34.76	104.39	370.25	2787.76	63.52	46.31	32.03	30.61	8.36	
21	32.03	123.10	32.03	38.90	101.29	253.62	2465.72	60.26	46.31	30.61	24.23	8.91	
22	25.41	123.10	32.03	37.56	95.38	247.61	2229.62	57.05	44.73	32.03	25.41	25.41	
23	40.42	95.38	27.97	36.07	89.35	1228.87	1977.73	57.05	49.16	29.36	25.41	15.90	
24	32.03	75.21	24.23	52.24	78.07	1133.18	1734.70	58.56	58.56	27.97	22.92	14.24	
25	21.77	66.83	43.33	49.16	44.73	1039.31	1512.00	272.17	52.24	25.41	20.50	10.95	
26	17.09	63.52	66.83	43.33	37.56	1054.79	1326.74	411.81	52.24	24.23	19.39	10.37	
27	15.90	63.52	47.73	37.56	33.31	993.68	1149.04	177.09	50.78	27.97	19.39	10.95	
28	16.56	53.89	52.24	33.31	310.37	933.20	978.45	123.10	47.73	27.97	18.29	8.91	
29	247.61	47.73	61.79	30.61	104.39	933.20	833.65	98.21	38.90	27.97		7.40	
30	166.56	43.33	47.73	46.31	107.30	1039.31	705.68	83.66	37.56	26.76		6.48	
31		40.42		43.33	92.35		584.03		44.73	27.97		6.08	
Total	1288.65	5940.61	1536.37	1271.24	4594.12	24031.66	123817.96	4277.85	2293.30	1083.86	1002.59	408.32	171546.53 Tonday
Mean	42.95	191.63	51.21	41.01	148.20	801.06	3994.13	142.59	73.98	34.96	35.81	13.17	469.99 Ton/day
Max	247.61	845.77	173.48	180.47	316.77	2183.33	9808.61	469.23	349.96	44.73	180.47	25.41	9808.61 Ton/day
Min	13.61	40.42	24.23	22.92	33.31	95.38	541.53	57.05	37.56	24.23	18.29	6.08	6.08 Ton/day

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Lam Ta Phoen at Ban Thung Na Nang Rok , Kanchanaburi (K.12)**

Lat 14 - 10 - 32 N Long 99 - 26 - 03 E

Location : on left bank about 50 meters downstream from Wat Thung Na Nang Rok.

	Ban	Thung Na Nang Rok	Amphoe	Mueang	Changwat	Kanchanaburi
Drainage Area	2,293	sq.km.				
Method of sampling	Depth	Integrating				
Instrument Used	US.D-49					
Period of Available Records	1997-Cont'd					
Actual Measurement	1997-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	34					
R-Square	0.9220					
Remarks	Continued Sediment Station					

$$QS = 4.2406 QW^{1.32620}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	133.02	114.58	105.56	118.27	87.97	174.32	158.51	163.74	169.01	38.14	12.07	1.87	
2	128.05	107.30	101.98	101.98	87.97	176.99	133.02	138.03	182.36	34.80	10.35	1.87	
3	116.48	98.43	100.14	93.10	103.71	176.99	163.74	138.03	198.85	29.53	10.35	1.87	
4	112.81	94.91	96.61	86.20	107.30	179.67	340.79	128.05	169.01	25.61	9.80	1.87	
5	109.17	93.10	93.10	84.55	98.43	110.93	758.22	120.69	145.63	26.31	10.92	1.87	
6	107.30	86.20	91.43	82.79	105.56	133.02	1252.04	116.48	128.05	27.73	14.45	1.87	
7	105.56	81.16	91.43	79.42	93.10	185.06	1040.56	114.58	116.48	25.61	18.20	1.87	
8	101.98	84.55	89.63	76.09	94.91	195.96	913.48	107.30	112.81	24.91	20.16	1.87	
9	98.43	112.81	86.20	74.49	86.20	204.67	1344.21	101.98	107.30	24.21	20.82	1.87	
10	100.14	161.12	84.55	71.21	87.97	195.96	2413.65	101.98	100.14	24.21	18.85	1.87	
11	101.98	155.92	82.79	71.21	86.20	198.85	2587.58	98.43	96.61	24.91	17.56	1.87	
12	103.71	130.53	81.16	69.52	98.43	125.59	3142.24	93.10	94.91	22.84	14.45	1.87	
13	107.30	123.14	77.81	67.96	56.85	116.48	3642.86	87.97	91.43	20.82	12.65	1.87	
14	105.56	118.27	76.09	66.30	79.42	105.56	2695.98	87.97	87.97	20.16	10.92	1.87	
15	100.14	109.17	74.49	64.75	79.42	100.14	1622.96	98.43	86.20	19.50	7.39	3.53	
16	98.43	105.56	72.79	63.11	74.49	94.91	1032.51	107.30	84.55	18.85	5.94	4.52	
17	94.91	161.12	72.79	61.58	71.21	87.97	764.67	112.81	81.16	18.85	6.81	4.81	
18	94.91	195.96	72.79	61.58	77.81	81.16	641.17	112.81	76.09	20.16	7.07	4.81	
19	105.56	385.31	72.79	64.75	71.21	74.49	511.36	105.56	76.09	22.84	7.07	4.81	
20	190.49	421.87	69.52	61.58	71.21	71.21	403.49	101.98	74.49	22.84	5.34	4.52	
21	258.80	371.73	67.96	61.58	71.21	64.75	336.33	100.14	71.21	22.17	5.10	4.30	
22	187.77	272.49	64.75	61.58	71.21	61.58	293.35	96.61	67.96	21.49	5.34	4.30	
23	143.08	225.35	64.75	61.58	71.21	61.58	279.40	93.10	67.96	21.49	5.10	4.30	
24	123.14	213.47	63.11	79.42	71.21	82.79	265.62	103.71	67.96	18.85	5.10	4.30	
25	114.58	182.36	63.11	82.79	71.21	94.91	255.40	279.40	66.30	17.56	3.53	4.30	
26	109.17	161.12	105.56	86.20	71.21	123.14	231.95	301.83	64.75	16.93	3.26	4.30	
27	98.43	145.63	179.67	87.97	71.21	163.74	213.47	293.35	63.11	16.93	4.02	4.30	
28	91.43	140.55	207.59	84.55	67.96	210.53	207.59	306.17	59.96	16.93	2.54	4.30	
29	112.81	138.03	195.96	77.81	58.45	219.39	193.22	238.59	58.45	16.93		4.30	
30	112.81	118.27	166.37	84.55	135.52	193.22	179.67	187.77	53.78	15.68		4.30	
31		110.93		84.55	145.63		179.67		42.65	13.84		4.30	
Total	3567.95	5020.94	2872.48	2373.02	2625.40	4065.56	28198.71	4237.89	2963.23	691.63	275.16	100.48	56992.45 Tonday
Mean	118.93	161.97	95.75	76.55	84.69	135.52	909.64	141.26	95.59	22.31	9.83	3.24	156.14 Ton/day
Max	258.80	421.87	207.59	118.27	145.63	219.39	3642.86	306.17	198.85	38.14	20.82	4.81	3642.86 Ton/day
Min	91.43	81.16	63.11	61.58	56.85	61.58	133.02	87.97	42.65	13.84	2.54	1.87	1.87 Ton/day

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Lam Phachi at Ban Bo , Ratchaburi (K.17)**

Lat 13 - 32 - 47 N Long 99 - 21 - 12 E

Location : on left bank oppositeto the 'Sai Ngam' fronter police station.

	Ban Bo	Amphoe Suan Phung	Changwat Ratchaburi
Drainage Area	1,343 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1999-Cont'd		
Actual Measurement	1999-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	22		
R-Square	0.8735		
Remarks	Continued Sediment Station		

$$QS = 0.5995 QW^{1.80810}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	12.65	6.08	7.52	27.58	10.81	13.95	13.29	52.94	10.81	2.62	0.48	0.48	
2	13.29	5.63	8.03	22.30	19.70	18.93	12.02	43.70	9.10	2.39	0.48	0.33	
3	10.22	6.08	9.65	20.48	17.44	17.44	16.71	37.09	8.56	2.18	0.40	0.27	
4	9.65	5.63	8.56	19.70	11.41	15.30	55.05	31.03	7.52	2.18	0.27	0.27	
5	8.03	3.35	8.56	18.18	10.22	12.65	72.84	26.50	8.03	2.18	0.33	0.33	
6	6.54	3.35	8.56	16.00	8.03	16.71	72.84	23.30	9.10	1.77	0.33	0.27	
7	5.63	5.63	7.52	13.95	7.52	37.09	50.95	22.30	8.03	1.77	0.56	0.21	
8	4.37	10.81	7.52	9.10	10.22	179.25	38.40	19.70	7.02	1.58	0.94	0.16	
9	4.37	10.81	6.54	12.65	27.58	57.11	87.62	17.44	6.54	1.40	0.56	0.11	
10	3.61	9.65	5.19	10.22	29.84	32.17	1115.79	16.00	5.63	1.40	0.64	0.11	
11	3.35	9.65	3.35	8.56	23.30	29.84	2744.63	13.95	5.19	1.28	0.56	0.11	
12	8.56	15.30	3.35	8.03	24.36	26.50	1148.93	13.29	4.77	1.28	0.40	0.11	
13	7.52	18.18	3.10	10.22	13.95	19.70	389.63	12.02	4.37	1.28	0.33	0.16	
14	7.02	10.81	7.52	10.81	14.62	25.40	222.94	13.29	4.37	1.28	0.33	0.16	
15	6.08	8.03	8.56	10.22	14.62	35.86	150.20	13.95	3.61	1.16	0.40	0.11	
16	5.19	9.10	12.02	8.56	12.02	27.58	111.88	13.95	3.35	1.16	0.83	0.08	
17	4.77	17.44	10.81	6.08	10.22	21.28	87.62	14.62	3.35	1.05	1.16	0.01	
18	4.37	21.28	10.22	4.77	8.56	18.93	65.86	13.95	3.35	0.94	0.94	0.02	
19	4.37	17.44	10.22	4.77	7.52	17.44	50.95	15.30	3.35	1.05	0.74	0.02	
20	5.63	16.00	8.56	3.98	6.54	16.00	42.31	13.95	2.85	0.94	0.56	0.01	
21	4.77	18.93	7.52	4.37	6.08	12.65	37.09	13.29	2.62	0.83	0.48	0.02	
22	5.19	37.09	9.65	4.37	5.19	11.41	82.56	12.02	2.39	0.94	0.48	0.21	
23	29.84	139.25	13.95	5.63	4.77	16.71	77.63	10.81	2.18	0.83	0.40	0.33	
24	22.30	47.00	18.18	8.03	3.98	21.28	111.88	13.95	2.39	0.74	0.40	0.48	
25	12.02	26.50	90.15	8.56	10.81	43.70	309.47	25.40	2.39	0.83	0.33	0.33	
26	8.03	18.93	105.46	5.63	14.62	96.14	188.22	19.70	2.62	0.74	0.40	0.21	
27	8.56	16.00	382.02	4.37	15.30	35.86	153.93	16.00	2.39	0.74	0.48	0.11	
28	7.02	13.95	118.47	3.61	16.71	21.28	192.77	13.95	2.39	0.56	0.48	0.08	
29	7.02	11.41	57.11	20.48	12.65	16.00	132.16	11.41	2.62	0.64		0.05	
30	7.52	9.65	35.86	20.48	11.41	13.95	90.15	10.22	2.39	0.56		0.02	
31		7.52		14.62	9.10		65.86		2.39	0.56		0.01	
Total	247.49	556.48	993.73	346.31	399.10	928.11	7992.18	575.02	145.67	38.86	14.69	5.18	12242.82 Tonday
Mean	8.25	17.95	33.12	11.17	12.87	30.94	257.81	19.17	4.70	1.25	0.52	0.17	33.54 Ton/day
Max	29.84	139.25	382.02	27.58	29.84	179.25	2744.63	52.94	10.81	2.62	1.16	0.48	2744.63 Ton/day
Min	3.35	3.35	3.10	3.61	3.98	11.41	12.02	10.22	2.18	0.56	0.27	0.01	0.01 Ton/day

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Huai Tha Khoei at Ban Kha , Ratchaburi (K.25A)**

Lat 13 - 24 - 11 N Long 99 - 25 - 01 E

Location : on right bank about 8 kilometers upstream from station K.25

	Ban Kha	Amphoe Ban Kha	Changwat Ratchaburi
Drainage Area	375 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1994-Cont'd		
Actual Measurement	1994-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	22		
R-Square	0.9322		
Remarks	Continued Sediment Station		

$$QS = 1.3394 QW^{1.90720}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.69	4.60	4.60	7.69	4.20	3.85	8.34	21.24	5.41	0.87	0.68	0.51	
2	7.69	4.97	4.60	6.72	3.85	4.20	8.34	19.20	5.41	0.77	0.68	0.51	
3	7.69	4.97	4.97	6.29	3.48	4.20	9.74	16.32	5.41	0.77	0.68	0.51	
4	7.22	4.60	4.60	6.29	2.83	4.97	43.32	14.52	5.41	0.77	0.59	0.51	
5	7.22	4.60	4.97	5.41	2.83	4.20	25.62	12.83	5.41	0.77	0.68	0.51	
6	5.82	4.20	4.60	4.97	2.54	5.82	22.30	12.02	5.41	0.77	0.68	0.51	
7	3.48	5.41	4.20	4.20	2.54	66.34	17.25	11.23	5.41	0.77	0.68	0.43	
8	3.17	6.29	3.85	4.60	2.83	54.77	19.20	11.23	4.60	0.77	0.59	0.51	
9	3.17	6.72	3.48	4.60	3.48	18.21	30.05	8.34	2.83	0.77	0.59	0.43	
10	2.83	5.82	1.99	4.20	2.83	14.52	507.77	6.72	2.83	0.77	0.59	0.43	
11	5.41	7.22	1.72	3.85	2.54	16.32	636.01	6.29	2.83	0.77	0.59	0.43	
12	7.22	6.29	1.50	3.85	2.54	11.23	213.63	6.29	2.83	0.77	0.51	0.43	
13	5.41	5.82	2.83	3.48	2.83	12.83	114.20	5.41	3.17	0.77	0.51	0.43	
14	5.41	5.41	6.72	3.17	5.41	13.66	77.90	5.82	2.24	0.77	0.51	0.43	
15	4.60	4.97	7.69	2.83	4.20	17.25	58.87	5.82	1.72	0.77	0.59	0.43	
16	4.60	6.72	10.47	2.83	3.48	9.74	47.00	4.97	1.50	0.77	0.68	0.43	
17	4.20	9.74	5.41	2.54	2.83	9.03	36.40	5.41	1.72	0.77	0.68	0.43	
18	4.20	9.74	4.60	2.83	2.83	8.34	28.50	5.41	1.72	0.77	0.59	0.43	
19	4.20	7.22	3.85	2.83	2.54	7.69	23.38	5.41	1.50	0.77	0.59	0.43	
20	4.20	6.29	3.17	2.83	2.54	6.29	20.21	5.41	1.26	0.77	0.59	0.43	
21	4.20	6.29	3.17	2.83	2.54	5.82	18.21	5.41	1.26	0.77	0.59	0.43	
22	5.41	9.03	2.83	2.83	2.24	5.82	50.81	5.41	1.26	0.68	0.59	0.43	
23	9.74	12.02	2.83	3.85	2.24	6.29	30.05	4.97	1.07	0.68	0.59	1.72	
24	5.41	7.69	6.72	4.60	2.83	7.22	30.05	5.41	1.07	0.68	0.51	1.99	
25	4.97	6.72	7.22	3.17	4.97	18.21	43.32	5.41	1.07	0.68	0.51	0.68	
26	4.60	6.29	45.07	2.83	5.82	52.70	24.49	5.41	1.07	0.68	0.51	0.68	
27	4.60	5.82	50.81	2.54	7.69	17.25	69.15	5.41	0.87	0.68	0.59	0.59	
28	4.20	5.82	24.49	2.54	4.97	12.02	52.70	5.41	0.87	0.68	0.59	0.59	
29	5.82	5.41	12.83	3.85	4.20	9.74	45.07	5.41	0.87	0.68		0.51	
30	4.97	4.97	8.34	3.48	4.20	9.03	31.53	5.41	0.87	0.77		0.51	
31		4.60		3.17	3.48		24.49		0.87	0.68		0.51	
Total	159.35	196.26	254.13	121.70	108.33	437.56	2367.90	243.55	79.77	23.16	16.76	17.80	4026.27 Tonday
Mean	5.31	6.33	8.47	3.93	3.49	14.59	76.38	8.12	2.57	0.75	0.60	0.57	11.03 Ton/day
Max	9.74	12.02	50.81	7.69	7.69	66.34	636.01	21.24	5.41	0.87	0.68	1.99	636.01 Ton/day
Min	2.83	4.20	1.50	2.54	2.24	3.85	8.34	4.97	0.87	0.68	0.51	0.43	0.43 Ton/day

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Huai Mae Nam Noi at Ban Nam Chon , Kanchanaburi (K.31)**

Lat 14 - 26 - 03 N Long 98 - 48 - 33 E

Location : on right bank about 2 kilometers downstream from station K.22A

	Ban Nam Chon	Amphoe Sai Yok	Changwat Kanchanaburi
Drainage Area	780 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1997-Cont'd		
Actual Measurement	1997-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	21		
R-Square	0.8749		
Remarks	Continued Sediment Station		

$$QS = 1.0276 QW^{1.29260}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.11	4.70	13.21	13.73	18.43	80.82	50.24	20.55	11.71	6.25	3.26	2.45	
2	4.40	5.00	11.21	13.73	19.84	39.93	53.99	19.84	11.71	5.93	3.53	2.45	
3	4.11	7.45	12.20	12.71	49.19	30.37	154.84	19.84	11.21	5.93	3.53	2.45	
4	4.11	4.70	11.71	14.77	45.02	31.14	159.86	19.12	10.73	5.93	3.53	2.20	
5	3.82	3.82	11.71	18.43	40.94	32.09	107.46	18.43	10.73	5.61	4.40	2.20	
6	3.53	3.26	11.21	15.28	36.95	34.01	117.07	17.72	10.73	5.61	5.93	2.20	
7	3.53	2.71	11.21	13.73	66.40	34.99	94.33	17.04	10.24	5.30	4.40	2.20	
8	3.53	2.98	13.73	14.23	227.87	89.77	89.77	16.34	9.77	5.61	4.11	2.20	
9	3.26	2.98	15.28	14.77	390.29	46.05	89.77	15.82	9.77	5.30	3.82	1.95	
10	3.26	3.26	15.28	15.28	180.21	36.95	225.17	15.28	9.77	5.30	3.53	1.95	
11	3.26	4.11	16.34	23.47	99.91	33.05	227.87	14.77	9.29	5.30	3.53	1.95	
12	3.53	5.61	14.77	30.37	122.92	33.05	126.86	14.23	9.29	5.00	3.53	1.95	
13	2.98	5.00	12.20	34.01	124.88	33.05	88.28	13.73	8.83	4.70	3.53	1.95	
14	3.26	4.11	10.73	40.94	98.04	49.19	76.42	14.23	8.83	4.40	3.53	1.95	
15	2.98	4.40	10.73	34.99	72.08	92.82	67.80	15.82	8.36	5.61	3.53	1.95	
16	2.71	4.11	9.77	30.37	56.67	99.91	64.97	15.82	7.91	5.30	3.53	1.95	
17	2.98	4.11	10.24	26.48	55.33	62.20	50.24	14.77	7.91	5.30	3.26	1.95	
18	3.26	3.26	9.77	26.48	56.67	50.24	43.99	14.23	7.91	4.70	3.26	1.95	
19	4.11	3.26	9.77	20.55	51.30	51.30	37.94	19.12	7.45	4.70	2.98	1.95	
20	5.00	6.57	11.21	19.12	48.14	46.05	34.99	11.71	7.45	4.70	2.98	1.71	
21	3.82	107.46	12.71	17.72	53.99	39.93	33.05	10.73	7.45	4.40	2.98	1.24	
22	3.26	312.89	12.20	20.55	66.40	53.99	33.05	13.73	7.45	4.40	2.98	1.95	
23	3.53	113.20	11.71	19.84	51.30	51.30	32.09	11.21	7.02	4.40	2.98	1.47	
24	3.26	32.09	9.77	18.43	41.95	42.97	31.14	14.23	7.02	4.11	2.71	1.47	
25	2.98	26.48	8.83	19.12	37.94	40.94	28.80	19.12	7.02	4.11	2.71	1.47	
26	2.98	34.01	20.55	23.47	38.93	49.19	26.48	15.28	6.57	4.11	2.45	1.47	
27	2.71	33.05	26.48	17.04	34.01	53.99	24.97	13.73	6.57	3.82	2.45	1.47	
28	2.45	25.73	20.55	27.26	55.33	66.40	24.23	12.71	6.57	3.82	2.45	0.90	
29	4.11	23.47	15.28	25.73	42.97	56.67	23.47	12.20	6.57	3.82		1.03	
30	6.25	17.72	14.23	21.28	55.33	51.30	22.75	11.71	6.25	3.53		1.03	
31		14.77		19.84	37.94		22.00		6.25	3.53		1.24	
Total	107.08	826.27	394.59	663.72	2377.17	1513.66	2263.89	463.06	264.34	150.53	95.41	56.25	9175.97 Tonday
Mean	3.57	26.65	13.15	21.41	76.68	50.46	73.03	15.44	8.53	4.86	3.41	1.81	25.14 Ton/day
Max	6.25	312.89	26.48	40.94	390.29	99.91	227.87	20.55	11.71	6.25	5.93	2.45	390.29 Ton/day
Min	2.45	2.71	8.83	12.71	18.43	30.37	22.00	10.73	6.25	3.53	2.45	0.90	0.90 Ton/day

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Huai Bong Ti at Ban Bong Ti , Kanchanaburi (K.32A)**

Lat 14 - 16 - 34 N Long 98 - 55 - 52 E

Location : on right bank at Ban Bong Ti.

	Ban Bong Ti	Amphoe Sai Yok	Changwat Kanchanaburi
Drainage Area	520 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	21		
R-Square	0.9538		
Remarks	Continued Sediment Station		

$$QS = 3.7066 QW^{1.67660}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.40	4.22	6.83	3.46	13.38	39.16	62.45	23.91	14.11	1.24	0.21	0.00	
2	1.24	12.05	9.56	3.11	7.31	17.69	45.98	24.97	9.02	1.05	0.21	0.00	
3	1.05	29.42	39.16	2.82	7.31	16.20	985.05	18.51	7.31	0.76	0.21	0.00	
4	0.87	8.41	16.99	2.82	17.69	12.76	2158.99	14.11	6.36	0.61	0.21	0.00	
5	0.76	5.46	10.21	2.55	16.99	35.37	1113.60	12.76	5.03	0.52	0.25	0.00	
6	0.70	4.22	7.90	2.34	9.56	47.53	730.58	12.76	4.62	0.47	0.32	0.00	
7	0.70	3.46	6.36	1.85	8.41	32.94	411.73	11.45	4.22	0.47	0.32	0.00	
8	0.61	3.83	5.46	1.85	59.00	547.69	316.89	10.21	3.83	0.39	0.25	0.00	
9	0.52	4.22	4.62	1.62	266.27	146.97	355.19	9.02	3.46	0.39	0.21	0.00	
10	0.47	4.22	4.22	1.85	135.90	83.51	4702.00	8.41	3.11	0.25	0.15	0.00	
11	0.47	4.62	3.83	2.09	55.62	62.45	15084.37	7.90	2.82	0.61	0.11	0.00	
12	0.47	4.22	3.46	2.34	39.16	39.16	3852.57	6.83	2.82	0.61	0.07	0.00	
13	0.47	3.46	5.90	2.34	35.37	31.74	1696.73	5.90	2.55	0.61	0.07	0.00	
14	0.39	2.82	10.78	2.34	47.53	30.57	935.31	5.46	2.34	0.61	0.07	0.00	
15	0.39	2.34	5.03	2.09	31.74	31.74	593.22	5.90	2.34	0.52	0.07	0.00	
16	0.32	2.09	4.62	2.09	24.97	18.51	371.00	9.56	2.09	0.52	0.03	0.00	
17	0.25	3.46	4.22	3.83	17.69	10.78	255.89	8.41	1.85	0.52	0.03	0.00	
18	1.62	14.76	3.83	4.62	14.11	10.21	173.67	7.90	1.85	0.47	0.03	0.00	
19	69.60	5.90	4.62	2.82	10.78	9.56	128.80	11.45	1.62	0.39	0.03	0.00	
20	16.99	5.46	3.83	2.55	9.02	6.83	102.66	7.90	1.62	0.47	0.01	0.00	
21	9.02	7.31	3.11	2.09	10.21	4.22	83.51	6.83	1.62	0.47	0.01	0.00	
22	5.46	73.30	2.82	2.09	10.21	10.21	73.30	5.90	1.62	0.47	0.01	0.00	
23	4.22	90.62	2.55	2.09	7.90	20.83	395.23	5.46	1.62	0.61	0.01	0.00	
24	3.46	34.15	2.82	2.34	5.90	39.16	206.53	7.31	1.40	0.76	0.00	0.00	
25	2.55	32.94	2.34	2.34	5.46	75.17	110.37	11.45	1.40	0.61	0.00	0.00	
26	2.34	29.42	4.22	2.34	5.03	202.45	81.34	12.05	1.40	0.39	0.00	0.00	
27	1.85	19.23	19.23	1.85	4.62	395.23	65.99	9.02	1.24	0.39	0.00	0.00	
28	1.62	14.76	17.69	1.62	10.21	428.50	57.30	6.83	1.24	0.39	0.01	0.00	
29	16.99	11.45	6.83	1.62	19.23	158.11	44.44	5.90	1.24	0.39		0.00	
30	6.36	11.45	4.62	3.46	52.32	78.98	36.62	6.36	1.05	0.39		0.00	
31		8.41		11.45	30.57		29.42		1.05	0.32		0.00	
Total	153.16	461.68	227.66	84.67	989.47	2644.23	35260.73	300.43	97.85	16.67	2.90	0.00	40239.45 Tonday
Mean	5.11	14.89	7.59	2.73	31.92	88.14	1137.44	10.01	3.16	0.54	0.10	0.00	110.25 Ton/day
Max	69.60	90.62	39.16	11.45	266.27	547.69	15084.37	24.97	14.11	1.24	0.32	0.00	15084.37 Ton/day
Min	0.25	2.09	2.34	1.62	4.62	4.22	29.42	5.46	1.05	0.25	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Khwaee Noi River at Ban Wang Yen , Kanchanaburi (K.37)**

Lat 13 - 56 - 24 N Long 99 - 24 - 58 E

Location : on left bank at Ban Wang Yen.

	Ban	Wang Yen	Amphoe	Mueang	Changwat	Kanchanaburi
Drainage Area	10,659	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1997-Cont'd					
Actual Measurement	1997-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	36					
R-Square	0.7926					
Remarks	Continued Sediment Station					

$$QS = 0.0030 QW^{2.35900}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2414.31	2660.03	1884.80	1058.16	946.24	1293.92	1015.35	548.72	472.84	330.48	248.59	731.97	
2	2566.16	2384.57	1673.61	1029.51	854.18	1333.31	987.37	879.93	446.05	372.86	284.72	816.37	
3	3228.30	1455.69	1742.40	987.37	1072.66	1333.31	1884.80	987.37	428.69	358.40	272.36	663.82	
4	2628.59	2566.16	1836.67	987.37	1152.69	1274.43	3517.86	578.86	428.69	330.48	254.41	674.91	
5	1606.41	2787.97	1540.79	803.99	1202.31	1393.73	3979.41	481.97	395.16	344.28	297.39	697.42	
6	2535.36	2628.59	1990.09	1029.51	1202.31	1088.40	3263.69	481.97	437.32	351.30	291.01	743.71	
7	2354.88	2384.57	1650.98	1001.30	1152.69	1293.92	2723.57	481.97	411.73	330.48	330.48	697.42	
8	2071.10	2210.45	1650.98	946.24	1236.06	1497.96	2071.10	816.37	420.16	344.28	337.33	755.55	
9	2153.98	2504.78	1789.10	932.76	1313.59	1884.80	1789.10	1015.35	411.73	344.28	317.00	755.55	
10	2325.57	1584.31	1765.74	959.84	2566.16	1373.50	2444.25	500.54	372.86	330.48	337.33	791.72	
11	2043.89	2787.97	1606.41	946.24	2474.41	1104.28	14426.48	686.11	387.64	323.70	337.33	779.55	
12	1606.41	2691.69	1789.10	779.55	1812.79	854.18	34972.06	472.84	395.16	242.84	365.59	731.97	
13	2354.88	2628.59	1455.69	1058.16	1990.09	803.99	13192.33	491.20	330.48	278.50	337.33	620.51	
14	2535.36	2597.36	1584.31	1029.51	1765.74	828.86	3592.67	500.54	330.48	254.41	330.48	578.86	
15	2267.59	2267.59	1719.24	1185.64	1719.24	879.93	1860.57	548.72	317.00	226.06	403.39	519.51	
16	2071.10	2384.57	1476.74	1120.28	1255.22	1029.51	1293.92	589.12	351.30	220.62	428.69	509.97	
17	2043.89	1628.68	1606.41	1072.66	1333.31	1136.42	1015.35	509.97	387.64	242.84	491.20	946.24	
18	1812.79	1628.68	1719.24	1043.78	1274.43	932.76	816.37	472.84	365.59	260.32	1001.30	589.12	
19	2566.16	1696.41	1455.69	828.86	1313.59	803.99	686.11	500.54	380.21	260.32	558.67	529.14	
20	2628.59	1742.40	1455.69	919.38	1274.43	841.47	697.42	446.05	365.59	242.84	446.05	481.97	
21	2043.89	1765.74	1584.31	946.24	1293.92	803.99	641.95	481.97	344.28	215.25	481.97	500.54	
22	2628.59	2474.41	1884.80	1043.78	1169.10	755.55	631.18	472.84	337.33	220.62	454.88	481.97	
23	2210.45	4140.66	1562.53	946.24	959.84	828.86	791.72	491.20	330.48	272.36	463.81	491.20	
24	1936.95	3555.26	1540.79	1058.16	1202.31	867.00	854.18	403.39	337.33	248.59	428.69	500.54	
25	1990.09	2628.59	1696.41	1001.30	1185.64	1015.35	755.55	500.54	380.21	278.50	529.14	491.20	
26	2043.89	2566.16	1673.61	686.11	1120.28	1373.50	932.76	509.97	358.40	365.59	454.88	609.94	
27	2267.59	2098.52	2126.15	987.37	1202.31	1519.22	959.84	519.51	351.30	266.30	589.12	663.82	
28	2414.31	1990.09	2153.98	1015.35	1219.12	1434.95	919.38	481.97	337.33	291.01	686.11	641.95	
29	2787.97	2043.89	1393.73	1120.28	1236.06	1353.32	892.97	463.81	351.30	278.50		663.82	
30	2566.16	1860.57	1202.31	906.12	1088.40	1152.69	854.18	454.88	310.38	291.01		620.51	
31		1673.61		1029.51	1255.22		652.83		297.39	317.00		609.94	
Total	68705.21	72018.56	50212.30	30460.57	41844.34	34087.10	105116.32	16771.06	11572.05	9034.50	11759.25	19890.71	471471.97 Tonday
Mean	2290.17	2323.18	1673.74	982.60	1349.82	1136.24	3390.85	559.04	373.29	291.44	419.97	641.64	1291.70 Ton/day
Max	3228.30	4140.66	2153.98	1185.64	2566.16	1884.80	34972.06	1015.35	472.84	372.86	1001.30	946.24	34972.06 Ton/day
Min	1606.41	1455.69	1202.31	686.11	854.18	755.55	631.18	403.39	297.39	215.25	248.59	481.97	215.25 Ton/day

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Huai Lin Thin at Ban Nong Bang , Kanchanaburi (K.38A)**

Lat 14 - 34 - 26 N Long 98 - 48 - 55 E

Location : on left bank at KM. 95+700 on Kanchanaburi - Thong Pha Phum Highway.

	Ban Nong Bang	Amphoe Thong Pha Phum	Changwat Kanchanaburi
Drainage Area	109 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2000-Cont'd		
Actual Measurement	2000-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	14		
R-Square	0.9619		
Remarks	Continued Sediment Station		

$$QS = 4.6887 QW^{1.85020}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.05	1.40	4.10	7.19	3.10	16.44	7.19	8.74	2.49	0.82	3.70	1.03	
2	2.05	1.40	3.62	10.17	9.32	5.22	5.88	8.06	2.17	0.82	1.66	1.03	
3	2.05	1.60	3.62	14.49	13.63	2.82	1096.37	7.30	1.94	1.94	1.45	2.75	
4	2.30	1.21	4.69	11.84	27.08	4.69	181.30	7.30	1.94	5.41	1.45	1.45	
5	1.82	1.03	5.22	9.32	15.52	6.47	119.29	6.67	1.94	4.78	1.66	1.45	
6	1.60	1.03	6.47	5.88	11.84	5.22	89.06	6.67	1.94	4.78	1.45	1.45	
7	2.55	0.71	4.10	5.22	13.63	11.84	67.89	5.97	1.66	4.26	1.21	1.21	
8	2.30	0.71	4.10	5.88	48.37	8.62	51.71	5.41	1.66	4.26	1.21	1.45	
9	2.55	0.71	3.62	5.88	130.66	5.88	71.18	5.41	1.66	3.70	1.66	1.45	
10	2.30	0.57	5.22	5.22	48.37	5.22	75.48	5.41	1.66	4.78	1.66	1.45	
11	5.22	2.55	7.84	5.22	30.88	5.88	113.97	4.78	1.45	5.97	1.45	3.25	
12	4.10	1.03	11.84	4.69	39.18	3.10	71.18	4.78	1.45	6.67	1.03	7.30	
13	2.05	0.86	10.93	10.93	11.84	2.82	51.71	4.26	1.45	6.67	1.03	8.06	
14	2.05	0.44	10.93	12.65	4.10	5.22	45.86	4.78	1.45	6.67	1.21	7.30	
15	1.82	0.33	11.84	7.84	2.55	5.88	57.89	5.41	1.45	5.97	1.21	1.21	
16	0.71	0.57	11.84	5.22	2.55	3.10	43.18	4.26	1.21	5.97	1.66	1.03	
17	2.05	0.33	11.84	11.84	2.82	2.82	33.62	4.26	1.21	5.41	1.66	0.82	
18	2.05	0.44	10.17	4.69	2.55	2.55	29.46	4.26	1.03	5.97	1.66	0.82	
19	14.49	0.71	7.84	3.62	2.05	2.55	25.55	4.26	1.03	5.97	1.45	1.03	
20	3.10	3.62	14.49	3.10	4.10	2.30	21.89	3.70	1.21	5.97	1.45	3.25	
21	1.82	8.62	14.49	2.55	4.69	2.55	20.17	3.25	1.21	5.41	1.21	3.70	
22	1.21	30.88	17.54	3.10	2.55	2.30	18.83	3.25	1.21	5.41	1.21	2.49	
23	0.57	17.54	10.93	3.10	1.82	2.05	17.54	2.75	1.21	5.41	1.21	2.49	
24	0.44	7.84	8.62	3.62	1.40	4.10	15.08	6.67	1.03	5.41	1.03	2.17	
25	0.33	18.50	11.84	4.10	1.21	6.47	13.91	7.30	1.03	5.41	0.67	2.17	
26	0.24	20.17	7.84	5.22	1.40	12.65	12.79	7.30	1.03	5.41	0.51	3.70	
27	0.24	15.52	10.17	2.30	1.60	17.54	11.71	4.26	0.82	4.78	0.82	7.30	
28	0.33	8.62	12.65	4.69	2.82	18.50	11.71	3.25	0.82	4.26	0.82	7.30	
29	3.10	5.88	6.47	4.10	5.88	13.63	10.68	2.49	0.82	4.26		7.30	
30	2.05	4.69	7.19	2.05	3.10	10.93	9.68	2.17	0.82	4.26		6.67	
31		5.22		2.05	5.88		8.74		0.82	4.26		6.67	
Total	69.54	164.73	262.06	187.77	456.49	199.36	2410.50	154.38	42.82	151.07	38.40	100.75	4237.87 Tonday
Mean	2.32	5.31	8.74	6.06	14.73	6.65	77.76	5.15	1.38	4.87	1.37	3.25	11.61 Ton/day
Max	14.49	30.88	17.54	14.49	130.66	18.50	1096.37	8.74	2.49	6.67	3.70	8.06	1096.37 Ton/day
Min	0.24	0.33	3.62	2.05	1.21	2.05	5.88	2.17	0.82	0.82	0.51	0.82	0.24 Ton/day

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Huai Dinso at Ban Sahakorn Nikom , Kanchanaburi (K.50A)**

Lat 14 - 40 - 37 N Long 98 - 42 - 53 E

Location : on right bank at the bridge on Kanchanaburi - Thong Pha Phum Highway.

	Ban Sahakorn Nikom	Amphoe Thong Pha Phum	Changwat Kanchanaburi
Drainage Area	121 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2020-Cont'd		
Actual Measurement	2020-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	19		
R-Square	0.8837		
Remarks	Continued Sediment Station		

$$QS = 4.4870 QW^{1.52920}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.18	0.00	2.21	2.21	11.69	30.34	35.40	6.39	2.95	0.86	0.18	0.03	
2	0.22	0.01	2.05	7.10	32.90	18.66	30.34	6.39	2.60	0.86	0.18	0.05	
3	0.22	0.01	3.13	9.21	65.11	11.21	471.95	5.78	2.21	0.86	0.18	0.05	
4	0.13	0.01	6.08	18.11	30.34	10.01	146.23	5.12	2.21	0.86	0.18	0.03	
5	0.13	0.01	10.74	17.01	23.95	10.01	75.60	4.83	2.05	0.75	0.18	0.03	
6	0.05	0.01	6.70	10.01	21.08	14.26	50.66	4.83	2.05	0.64	0.22	0.03	
7	0.03	0.00	5.41	8.09	41.45	18.11	49.40	4.56	2.05	0.57	0.30	0.03	
8	0.02	0.00	6.39	14.77	57.98	47.06	43.70	4.56	1.90	0.57	0.18	0.02	
9	0.02	0.00	5.41	15.30	170.71	40.27	36.38	4.22	1.90	0.64	0.18	0.03	
10	0.02	0.01	3.95	12.75	66.85	26.32	54.20	3.75	1.75	0.57	0.13	0.03	
11	0.01	0.05	3.56	14.77	43.70	22.38	56.65	3.75	1.75	0.57	0.13	0.03	
12	0.01	0.05	2.95	13.75	106.24	17.01	37.24	3.56	1.75	0.57	0.08	0.03	
13	0.00	0.08	2.38	18.66	59.15	18.66	30.34	3.56	1.55	0.57	0.08	0.03	
14	0.00	0.08	2.05	33.73	35.40	33.73	26.32	3.56	1.41	0.47	0.08	0.03	
15	0.00	0.05	1.90	19.92	27.85	38.10	23.95	4.22	1.41	0.41	0.08	0.03	
16	0.00	0.02	1.75	13.75	21.08	24.69	21.08	3.75	1.41	0.35	0.08	0.02	
17	0.00	0.00	1.41	11.21	21.08	31.95	18.66	3.56	1.28	0.35	0.05	0.02	
18	0.00	0.02	1.28	8.86	19.92	42.49	17.01	3.31	1.28	0.35	0.05	0.02	
19	0.01	0.08	1.15	8.09	44.76	53.06	15.30	3.56	1.15	0.35	0.08	0.02	
20	0.13	2.05	1.41	22.38	34.56	29.55	13.75	3.13	1.02	0.35	0.08	0.01	
21	1.02	40.27	2.05	10.74	33.73	23.22	12.75	2.95	1.15	0.35	0.05	0.01	
22	0.47	63.39	1.55	21.66	26.32	36.38	11.69	2.77	1.15	0.35	0.05	0.01	
23	0.18	18.11	1.75	15.93	22.38	83.01	11.21	2.77	1.02	0.30	0.05	0.01	
24	0.05	8.09	1.55	11.69	17.01	135.82	10.37	3.56	1.02	0.30	0.05	0.01	
25	0.03	6.08	1.41	21.08	14.77	230.42	9.56	5.41	1.02	0.30	0.05	0.01	
26	0.02	7.42	3.13	18.66	13.75	135.82	8.86	6.08	0.86	0.30	0.03	0.01	
27	0.01	13.75	4.83	11.69	13.25	92.42	8.86	3.95	0.86	0.22	0.05	0.01	
28	0.00	7.42	5.12	9.21	38.10	63.39	8.51	3.56	0.86	0.22	0.03	0.01	
29	0.00	4.83	2.95	8.51	18.66	48.30	7.75	2.95	0.86	0.22		0.01	
30	0.00	3.75	2.38	6.70	15.93	41.45	7.10	3.13	0.86	0.18		0.00	
31		2.95		7.75	14.77		6.70		0.86	0.18		0.00	
Total	2.96	178.60	98.63	423.30	1164.47	1428.10	1357.52	123.52	46.20	14.44	3.06	0.66	4841.46 Tonday
Mean	0.10	5.76	3.29	13.65	37.56	47.60	43.79	4.12	1.49	0.47	0.11	0.02	13.26 Ton/day
Max	1.02	63.39	10.74	33.73	170.71	230.42	471.95	6.39	2.95	0.86	0.30	0.05	471.95 Ton/day
Min	0.00	0.00	1.15	2.21	11.69	10.01	6.70	2.77	0.86	0.18	0.03	0.00	0.00 Ton/day

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Khwae Noi River at Ban Lin Thin , Kanchanaburi (K.54)**

Lat 14 - 32 - 09 N Long 98 - 47 - 16 E

Location : on right bank at the bridge on road.

	Ban Lin Thin	Amphoe Thong Pha Phum	Changwat Kanchanaburi
Drainage Area	4,785 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	23		
R-Square	0.4109		
Remarks	Continued Sediment Station		

$$QS = 0.0303 QW^{1.94290}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2862.27	1815.78	1313.87	761.09	749.48	959.48	452.55	648.48	332.66	256.10	303.71	1053.28	
2	2721.78	1438.70	1209.20	832.93	820.71	920.65	487.54	659.31	289.71	289.71	282.81	605.89	
3	1721.97	2473.15	1391.23	648.48	933.48	857.54	1602.30	276.04	276.04	378.48	362.89	574.84	
4	1721.97	2194.23	1422.75	737.87	796.62	737.87	1067.06	303.71	303.71	243.23	269.29	869.94	
5	2652.83	2495.28	1687.37	920.65	933.48	761.09	659.31	256.10	303.71	262.68	332.66	681.31	
6	1721.97	1873.22	1268.47	808.66	784.66	845.15	715.00	340.07	303.71	282.81	435.53	772.87	
7	2132.17	1687.37	1406.89	737.87	972.66	1137.00	564.64	737.87	362.89	276.04	282.81	882.51	
8	1892.57	1951.17	1503.11	726.43	882.51	920.65	554.60	999.19	282.81	276.04	362.89	832.93	
9	2111.67	1585.62	1360.05	959.48	1165.70	726.43	585.05	201.04	276.04	332.66	282.81	933.48	
10	1636.05	2215.11	1568.90	637.67	1209.20	487.54	820.71	444.03	325.27	184.93	452.55	737.87	
11	1834.83	1815.78	1503.11	737.87	845.15	487.54	574.84	256.10	262.68	303.71	325.27	681.31	
12	2194.23	2320.95	1151.31	920.65	1313.87	461.21	236.94	370.61	289.71	224.55	325.27	544.57	
13	2342.41	2215.11	1375.54	726.43	972.66	418.82	236.94	355.18	243.23	212.49	394.39	670.30	
14	2236.09	1602.30	1519.38	1268.47	933.48	524.86	218.46	394.39	230.68	201.04	487.54	515.17	
15	1470.73	1970.89	1209.20	595.43	761.09	554.60	224.55	418.82	303.71	256.10	534.71	882.51	
16	2070.97	1454.62	1454.62	972.66	1026.06	715.00	218.46	282.81	282.81	230.68	1039.67	832.93	
17	1653.11	1080.84	1585.62	659.31	737.87	435.53	195.60	402.43	325.27	243.23	1080.84	554.60	
18	2070.97	1209.20	1080.84	715.00	985.84	554.60	184.93	276.04	289.71	236.94	347.61	435.53	
19	1853.98	1503.11	1375.54	820.71	820.71	595.43	269.29	282.81	310.80	243.23	515.17	534.71	
20	1503.11	1375.54	1486.83	784.66	946.48	544.57	262.68	289.71	269.29	236.94	515.17	505.51	
21	2363.96	1687.37	1892.57	1039.67	772.87	595.43	256.10	496.51	303.71	230.68	670.30	496.51	
22	1422.75	1892.57	1080.84	726.43	808.66	444.03	249.65	169.48	378.48	269.29	402.43	505.51	
23	1990.72	1535.84	1406.89	761.09	845.15	692.48	249.65	325.27	262.68	355.18	681.31	505.51	
24	1585.62	1470.73	1438.70	796.62	832.93	648.48	243.23	347.61	347.61	249.65	505.51	534.71	
25	2236.09	1834.83	1298.72	605.89	845.15	796.62	410.62	289.71	230.68	318.02	616.37	772.87	
26	1873.22	1194.65	1602.30	845.15	920.65	832.93	427.16	318.02	276.04	289.71	659.31	692.48	
27	2091.27	1470.73	985.84	832.93	857.54	659.31	394.39	303.71	318.02	355.18	895.08	737.87	
28	1931.54	1238.66	796.62	959.48	784.66	692.48	410.62	318.02	355.18	296.64	882.51	715.00	
29	2173.45	1422.75	857.54	761.09	703.73	524.86	402.43	427.16	318.02	402.43		605.89	
30	1931.54	1454.62	737.87	749.48	820.71	595.43	276.04	230.68	212.49	212.49		670.30	
31		1470.73		772.87	946.48		370.61		325.27	276.04		627.01	
Total	60005.84	52951.45	39971.72	24823.02	27730.24	20127.61	13821.95	11420.91	9192.62	8426.90	14246.41	20965.72	303684.39 Tonday
Mean	2000.19	1708.11	1332.39	800.74	894.52	670.92	445.87	380.70	296.54	271.84	508.80	676.31	832.01 Ton/day
Max	2862.27	2495.28	1892.57	1268.47	1313.87	1137.00	1602.30	999.19	378.48	402.43	1080.84	1053.28	2862.27 Ton/day
Min	1422.75	1080.84	737.87	595.43	703.73	418.82	184.93	169.48	212.49	184.93	269.29	435.53	169.48 Ton/day

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Huai Kui Mang at Ban Kui Mang , Kanchanaburi (K.60)**

Lat 14 - 37 - 28 N Long 98 - 43 - 19 E

Location : on right bank at the bridge on road.

	Ban Kui Mang	Amphoe Thong Pha Phum Changwat Kanchanaburi
Drainage Area	132 sq.km.	
Method of sampling	Depth Integrating	
Instrument Used	US.D-49	
Period of Available Records	2002-Cont'd	
Actual Measurement	2002-Cont'd	
Using Rating Curve Water Year	2022	
Number of observation	17	
R-Square	0.9257	
Remarks	Continued Sediment Station	

$$QS = 4.5670 QW^{1.73330}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.67	0.00	1.62	2.16	4.18	15.45	19.35	6.63	4.57	1.14	0.17	0.00	
2	0.67	0.01	1.37	6.63	11.93	16.39	18.34	6.08	4.18	1.14	0.13	0.00	
3	0.67	0.03	3.80	7.78	15.45	9.65	2025.71	6.08	3.80	1.14	0.13	0.00	
4	0.50	0.00	5.05	5.56	19.35	8.39	337.03	5.56	3.80	1.06	0.08	0.00	
5	0.41	0.00	3.10	4.57	11.93	8.39	121.22	5.05	3.45	1.06	0.08	0.00	
6	0.28	0.00	3.80	3.10	9.65	7.78	60.26	5.05	3.45	1.06	0.08	0.00	
7	0.17	0.00	2.77	2.46	15.45	11.93	48.75	5.05	3.10	1.06	0.08	0.00	
8	0.08	0.00	2.46	2.77	24.89	44.94	50.71	4.57	3.10	0.93	0.08	0.00	
9	0.03	0.00	2.46	4.57	368.90	26.37	32.64	4.57	2.77	0.93	0.08	0.00	
10	0.01	0.00	2.16	5.56	60.26	19.35	55.17	4.57	2.77	0.85	0.06	0.00	
11	0.00	0.00	1.88	6.63	27.88	23.45	110.95	4.18	2.46	0.85	0.03	0.00	
12	0.00	0.00	1.62	6.63	101.07	14.53	50.71	4.18	2.46	0.85	0.03	0.00	
13	0.00	0.00	1.62	8.39	44.94	11.93	34.29	4.18	2.46	0.85	0.01	0.00	
14	0.00	0.00	1.37	11.11	24.89	62.88	26.37	4.18	2.16	0.74	0.01	0.00	
15	0.00	0.00	1.28	8.39	16.39	43.08	22.05	4.18	2.16	0.74	0.00	0.00	
16	0.00	0.00	1.14	6.08	13.64	24.89	19.35	3.80	2.16	0.74	0.00	0.00	
17	0.00	0.00	1.28	5.56	12.77	23.45	16.39	3.80	2.16	0.67	0.00	0.00	
18	0.00	0.00	1.28	4.57	11.11	22.05	14.53	3.45	1.88	0.67	0.00	0.00	
19	0.00	0.23	1.14	3.80	11.11	20.68	12.77	3.45	1.88	0.67	0.00	0.00	
20	0.01	0.93	1.62	3.80	13.64	16.39	11.93	3.45	1.62	0.67	0.00	0.00	
21	0.57	6.08	2.77	3.45	31.02	14.53	11.11	3.45	1.62	0.57	0.00	0.00	
22	0.36	41.25	1.62	4.57	18.34	26.37	10.31	3.10	1.62	0.57	0.00	0.00	
23	0.17	10.31	1.28	5.56	14.53	166.41	9.65	3.10	1.37	0.57	0.00	0.00	
24	0.06	3.45	1.14	4.57	11.11	62.88	9.65	4.18	1.37	0.57	0.00	0.00	
25	0.01	3.80	1.14	8.39	9.65	181.92	9.01	7.20	1.37	0.50	0.00	0.00	
26	0.00	4.18	1.62	6.63	9.01	65.54	8.39	6.08	1.37	0.41	0.00	0.00	
27	0.00	6.08	1.62	4.57	7.78	55.17	8.39	5.05	1.37	0.36	0.00	0.00	
28	0.00	3.80	4.18	4.18	8.39	48.75	7.78	4.57	1.28	0.28	0.00	0.00	
29	0.00	2.46	2.46	4.57	9.65	27.88	7.78	4.18	1.28	0.28		0.00	
30	0.00	2.46	1.62	3.80	9.01	26.37	7.78	4.57	1.28	0.23		0.00	
31		2.46		4.18	13.64		7.20		1.28	0.23		0.00	
Total	4.67	87.53	62.27	164.59	961.56	1107.79	3185.57	137.54	71.60	22.39	1.05	0.00	5806.56 Tonday
Mean	0.16	2.82	2.08	5.31	31.02	36.93	102.76	4.58	2.31	0.72	0.04	0.00	15.91 Ton/day
Max	0.67	41.25	5.05	11.11	368.90	181.92	2025.71	7.20	4.57	1.14	0.17	0.00	2025.71 Ton/day
Min	0.00	0.00	1.14	2.16	4.18	7.78	7.20	3.10	1.28	0.23	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**MAE KLONG RIVER BASIN****Lam Phachi at Ban Nong Phai , Kanchanaburi (K.62)**

Lat 13 - 46 - 52 N Long 99 - 25 - 16 E

Location : on left bank at Ban Nong Phai.

	Ban Nong Phai	Amphoe Dan Makham Tia	Changwat Kanchanaburi
Drainage Area	2,234 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2006-Cont'd		
Actual Measurement	2006-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	27		
R-Square	0.9233		
Remarks	Continued Sediment Station		

$$QS = 0.9504 QW^{1.58960}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	18.90	9.80	19.59	56.88	18.90	13.83	47.09	86.75	14.41	1.77	0.05	0.00	
2	15.67	9.41	19.59	46.00	36.36	18.22	39.50	70.45	12.63	1.77	0.10	0.00	
3	14.41	8.61	18.90	40.53	39.50	19.59	116.35	59.80	11.50	1.46	0.05	0.00	
4	13.22	9.41	18.90	35.37	28.37	20.25	143.67	51.67	10.64	1.46	0.02	0.00	
5	11.50	8.61	15.67	32.36	19.59	23.09	189.81	44.86	9.80	1.46	0.10	0.00	
6	10.64	7.09	14.41	29.12	16.27	20.25	158.52	39.50	10.24	1.46	0.05	0.00	
7	8.99	7.09	13.83	30.75	13.22	25.29	161.04	36.36	9.80	1.32	0.30	0.00	
8	7.84	8.61	12.63	26.06	13.83	104.45	130.77	33.37	8.99	1.17	0.79	0.00	
9	6.71	12.08	11.09	22.35	19.59	135.02	126.57	29.93	8.20	1.17	1.04	0.00	
10	6.71	12.08	10.24	22.35	33.37	72.02	527.62	26.79	7.84	1.17	1.17	0.00	
11	6.01	11.09	8.61	18.90	32.36	75.21	4564.29	24.53	7.09	1.17	1.46	0.00	
12	6.01	13.83	7.44	16.27	26.06	76.82	4117.14	22.35	6.71	1.17	1.17	0.00	
13	8.61	16.92	7.09	15.03	21.67	58.34	1696.87	20.25	6.37	1.04	1.17	0.00	
14	7.84	16.92	7.84	16.92	20.25	132.94	757.53	24.53	5.68	1.04	0.79	0.00	
15	7.09	12.08	9.80	16.27	21.67	106.36	415.40	23.09	5.33	0.91	0.67	0.00	
16	7.09	12.08	10.64	16.27	29.93	86.75	280.52	21.67	4.69	0.91	0.79	0.00	
17	6.37	14.41	13.83	17.59	23.09	61.28	209.01	19.59	4.08	0.91	1.46	0.00	
18	6.01	26.79	12.08	13.22	17.59	46.00	171.30	19.59	4.08	0.79	1.46	0.00	
19	5.68	29.93	10.24	11.09	13.83	39.50	141.53	18.22	4.08	0.91	1.17	0.00	
20	5.68	24.53	9.80	9.41	11.50	33.37	120.42	18.22	3.87	0.47	1.04	0.00	
21	6.01	23.83	9.41	8.61	10.64	29.93	100.68	16.27	3.65	0.30	0.67	0.00	
22	5.68	29.93	15.03	8.61	9.41	29.12	102.47	15.03	3.23	0.22	0.38	0.00	
23	8.20	75.21	12.08	9.80	8.99	29.93	166.14	13.83	3.04	0.22	0.16	0.00	
24	21.67	108.36	13.83	24.53	8.20	38.42	130.77	14.41	2.84	0.22	0.10	0.00	
25	17.59	56.88	26.06	16.27	8.20	106.36	209.01	20.25	2.66	0.16	0.05	0.00	
26	12.63	40.53	67.34	13.83	28.37	128.71	280.52	24.53	2.46	0.16	0.02	0.00	
27	11.50	32.36	309.19	11.09	23.83	139.32	151.02	20.25	2.29	0.16	0.02	0.00	
28	11.09	28.37	254.82	9.41	24.53	128.71	217.44	18.22	2.11	0.16	0.00	0.00	
29	10.64	24.53	126.57	9.80	28.37	81.73	179.14	15.03	1.95	0.10		0.00	
30	10.64	20.95	88.45	23.09	24.53	59.80	139.32	13.83	1.77	0.10		0.00	
31		18.22		23.09	17.59		112.33		1.77	0.16		0.00	
Total	296.63	730.54	1175.00	650.87	649.61	1940.61	15903.79	863.17	183.80	25.49	16.25	0.00	22435.76 Tonday
Mean	9.89	23.57	39.17	21.00	20.96	64.69	513.03	28.77	5.93	0.82	0.58	0.00	61.47 Ton/day
Max	21.67	108.36	309.19	56.88	39.50	139.32	4564.29	86.75	14.41	1.77	1.46	0.00	4564.29 Ton/day
Min	5.68	7.09	7.09	8.61	8.20	13.83	39.50	13.83	1.77	0.10	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**PRACHIN BURI RIVER BASIN****Khlong Phra Sathung at Ban Khao Chakan , Sa Kao (Kgt.9)**

Lat 13 - 40 - 10 N Long 102 - 04 - 29 E

Location : on right bank near Wat Khao Chakan.

	Ban	Khao Chakan	Amphoe	Khao Chakan	Changwat	Sa Kao
Drainage Area	2,273	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1998-Cont'd					
Actual Measurement	1998-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	40					
R-Square	0.9596					
Remarks	Continued Sediment Station					

$$QS = 0.9254 QW^{1.41210}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.65	2.29	13.86	1.56	80.36	1267.13	5716.00	21.25	18.69	1.88	1.88	1.72	
2	2.38	21.25	11.62	2.04	157.45	695.43	1894.09	16.22	11.62	1.88	1.88	1.72	
3	2.21	72.77	11.62	2.46	162.15	349.22	1558.87	13.86	11.62	1.88	1.88	2.12	
4	2.04	80.36	3.96	18.69	100.24	415.90	2092.89	11.62	7.50	1.88	1.88	2.12	
5	1.96	32.39	1.64	16.22	38.44	641.90	1494.16	9.49	2.04	1.80	1.88	2.04	
6	2.04	2.12	2.29	13.86	21.25	376.09	613.86	7.50	1.64	1.80	1.88	2.04	
7	2.04	2.21	130.12	21.25	26.65	851.75	1228.59	7.50	1.80	1.80	1.88	2.04	
8	1.96	2.29	72.77	23.90	32.39	2819.76	772.44	7.50	2.29	1.80	1.88	1.96	
9	1.96	2.46	26.65	41.58	139.06	8795.62	572.51	5.65	2.38	1.80	1.96	2.04	
10	1.96	9.49	38.44	32.39	385.17	7681.75	1400.27	3.96	2.38	1.80	1.96	2.04	
11	1.88	18.69	18.69	21.25	206.21	1626.69	2997.90	2.46	2.29	1.80	1.96	2.04	
12	1.88	29.47	18.69	9.49	1317.96	231.98	3278.08	2.46	2.21	1.80	1.96	2.04	
13	1.96	38.44	16.22	5.65	1373.77	300.09	1663.83	2.46	2.12	1.80	1.96	2.12	
14	1.96	18.69	16.22	35.37	532.00	394.32	1310.35	2.04	2.12	1.80	1.96	2.04	
15	1.96	2.46	16.22	58.29	670.29	428.38	166.89	1.64	2.12	1.80	1.96	2.04	
16	1.96	2.29	11.62	38.44	4415.46	293.06	108.54	1.80	2.12	1.80	1.88	2.04	
17	1.96	108.54	9.49	21.25	5137.44	238.56	51.41	1.88	2.04	1.80	1.96	2.04	
18	1.96	76.54	7.50	13.86	2328.12	385.17	29.47	2.12	2.04	1.80	1.96	2.04	
19	1.96	32.39	7.50	2.29	656.05	1384.79	23.90	2.46	2.04	1.80	1.88	2.04	
20	1.96	58.29	7.50	1.72	199.91	2413.32	11.62	3.96	2.04	1.80	1.96	2.04	
21	1.88	35.37	13.86	13.86	176.49	3278.08	13.86	11.62	2.04	1.80	1.96	1.96	
22	2.04	11.62	2.12	100.24	152.79	1362.77	16.22	16.22	1.96	1.80	1.96	1.96	
23	2.04	2.38	2.29	51.41	143.59	251.87	18.69	11.62	1.88	1.80	1.96	1.88	
24	1.96	1.96	2.29	21.25	121.35	148.17	21.25	9.49	1.88	1.80	1.96	2.04	
25	1.96	1.88	2.29	44.79	251.87	272.24	16.22	157.45	1.88	1.72	1.96	2.04	
26	1.96	2.04	2.38	32.39	1807.62	385.17	13.86	92.13	1.88	1.80	1.96	1.96	
27	2.04	2.04	2.38	29.47	1326.67	340.39	48.06	65.41	1.88	1.88	1.64	1.96	
28	2.04	2.46	2.46	117.03	479.38	1306.01	225.45	69.06	1.88	1.88	1.96	1.96	
29	2.12	1.96	3.96	92.13	238.56	2048.21	80.36	58.29	1.88	1.88		1.88	
30	2.12	2.38	2.04	61.82	199.91	5596.20	44.79	38.44	1.88	1.88		1.96	
31		21.25		54.82	251.87		29.47		1.88	1.88		1.96	
Total	63.80	698.77	478.69	1000.77	23130.47	46580.02	27513.90	657.56	104.02	56.44	53.76	61.88	100400.08 Tonday
Mean	2.13	22.54	15.96	32.28	746.14	1552.67	887.55	21.92	3.36	1.82	1.92	2.00	275.07 Ton/day
Max	5.65	108.54	130.12	117.03	5137.44	8795.62	5716.00	157.45	18.69	1.88	1.96	2.12	8795.62 Ton/day
Min	1.88	1.88	1.64	1.56	21.25	148.17	11.62	1.64	1.64	1.72	1.64	1.72	1.56 Ton/day

WATER YEAR : 2022**PPRACHIN BURI RIVER BASIN****Khlong Phra Prong at Ban Kaeng , Sa Kao (Kgt.12A)**

Lat 13 - 56 - 11 N Long 101 - 58 - 20 E

Location : on left bank near the railway station at Ban Kaeng at about 200 meters upstream from Thot Saphon Sawmill.

	Ban Kaeng	Amphoe Mueang	Changwat Sa Kao
Drainge Area	1,473 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	40		
R-Square	0.8239		
Remarks	Continued Sediment Station		

$$QS = 2.8865 QW^{1.08330}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	18.30	17.94	51.32	11.56	44.92	75.70	677.21	50.15	22.84	2.89	18.30	16.86	
2	15.79	22.29	50.74	15.08	45.50	73.29	897.59	47.82	23.39	3.04	18.66	16.86	
3	15.79	28.95	47.24	23.39	46.08	69.69	1157.90	44.92	22.84	3.04	18.30	17.22	
4	15.79	32.89	44.34	26.16	43.18	66.10	1239.93	42.60	22.84	2.82	18.30	17.58	
5	12.61	34.02	40.88	21.20	41.45	63.12	1130.16	39.15	20.11	2.82	17.94	17.58	
6	10.52	34.59	36.30	19.02	40.30	61.34	1021.22	35.16	17.94	2.73	17.94	17.58	
7	10.87	35.16	32.32	16.15	41.45	61.34	864.58	31.76	15.43	2.58	17.94	17.22	
8	12.26	34.02	32.32	13.66	48.98	82.35	677.21	27.27	12.61	2.42	18.66	17.22	
9	12.61	32.89	30.63	13.31	79.32	212.95	539.45	23.39	9.83	2.36	19.38	17.58	
10	12.26	31.76	27.83	42.03	132.49	376.10	443.84	20.65	8.64	2.27	19.74	17.58	
11	11.56	31.76	25.05	53.67	226.91	586.36	382.93	19.74	7.96	2.42	20.11	17.58	
12	11.56	31.76	22.84	50.15	282.51	833.59	380.20	18.30	7.12	2.67	19.74	17.22	
13	11.91	34.02	20.65	47.82	320.06	810.41	449.37	15.43	6.45	3.04	19.38	17.22	
14	12.26	35.16	19.38	45.50	358.85	606.14	520.78	11.91	6.12	2.82	19.38	17.22	
15	12.61	35.16	18.30	42.60	369.74	402.09	483.58	9.83	5.62	2.58	18.66	17.58	
16	12.61	34.59	18.30	40.30	385.66	267.42	345.28	9.32	5.29	3.20	18.30	17.94	
17	14.02	34.59	17.22	40.30	421.78	137.53	193.87	8.98	4.97	5.29	17.94	18.30	
18	14.72	34.59	16.15	46.66	563.81	100.09	103.38	8.81	4.80	5.62	17.58	19.02	
19	13.66	38.01	11.21	51.32	760.37	97.01	87.22	9.15	4.48	5.46	17.22	19.02	
20	13.31	42.03	7.62	47.24	878.16	106.68	78.72	9.32	4.16	5.46	17.22	19.38	
21	15.08	46.08	5.95	43.18	783.44	174.07	72.09	10.52	3.68	5.62	16.86	18.30	
22	20.65	49.57	7.62	42.03	600.49	303.03	63.72	10.87	3.52	5.13	17.22	15.43	
23	27.27	50.15	15.79	44.92	399.35	416.28	55.43	9.49	3.20	4.80	17.22	11.56	
24	28.39	48.98	36.30	49.57	270.96	432.80	53.08	9.83	3.04	5.95	16.86	9.83	
25	27.27	48.40	36.87	51.32	135.01	391.13	51.32	11.91	3.04	8.13	16.86	11.56	
26	23.39	48.98	27.83	51.32	95.79	353.42	49.57	13.66	3.84	10.52	16.50	12.61	
27	19.74	48.40	19.38	48.98	144.28	329.95	50.15	13.31	4.80	12.61	16.15	13.31	
28	17.22	45.50	16.86	45.50	215.56	340.77	50.74	13.31	3.68	14.37	15.79	12.96	
29	16.50	43.18	13.31	43.18	180.08	396.61	50.15	15.79	3.20	15.43		12.96	
30	16.15	41.45	11.21	41.45	101.32	520.78	50.15	17.94	3.04	16.15		14.37	
31		43.18		42.60	85.39		51.32		3.04	17.22		17.58	
Total	476.68	1170.05	761.76	1171.17	8143.19	8748.14	12272.14	610.29	271.52	181.46	504.15	504.23	34814.78 Tonday
Mean	15.89	37.74	25.39	37.78	262.68	291.60	395.88	20.34	8.76	5.85	18.01	16.27	95.38 Ton/day
Max	28.39	50.15	51.32	53.67	878.16	833.59	1239.93	50.15	23.39	17.22	20.11	19.38	1239.93 Ton/day
Min	10.52	17.94	5.95	11.56	40.30	61.34	49.57	8.81	3.04	2.27	15.79	9.83	2.27 Ton/day

WATER YEAR : 2022**PRACHIN BURI RIVER BASIN****Khlong Phra Prong at Ban Non Suk Phum , Prachin Buri (Kgt.13A)**

Lat 13 - 54 - 36 N Long 101 - 50 - 18 E

Location : on left bank about 21 kilometers upstream from station Kgt.13

	Ban Non Suk Phum	Amphoe Kabin Buri	Changwat Prachin Buri
Drainage Area	4,890 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	30		
R-Square	0.9090		
Remarks	Continued Sediment Station		

$$QS = 2.5346 QW^{1.15110}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	35.48	34.25	114.77	30.58	149.06	601.79	2206.05	163.09	135.20	0.00	0.00	0.00	
2	45.55	46.83	108.06	18.79	166.63	724.45	2347.09	138.65	108.06	0.00	0.00	0.00	
3	37.97	59.88	93.16	24.59	216.27	749.33	2517.02	116.45	80.17	0.00	0.00	0.00	
4	33.02	103.06	78.57	41.74	237.32	579.11	2636.49	104.72	76.97	0.00	0.00	0.00	
5	28.16	133.48	63.88	63.88	204.29	553.00	2668.47	93.16	70.61	0.00	0.00	0.00	
6	23.42	106.39	43.00	81.78	124.93	583.88	2652.47	83.39	57.24	0.00	0.00	0.00	
7	21.09	63.88	37.97	55.93	89.89	529.41	2608.55	75.37	29.37	0.00	0.00	0.00	
8	22.25	49.41	108.06	55.93	138.65	752.10	2532.91	69.26	21.09	0.00	0.00	0.00	
9	22.25	45.55	143.84	61.21	413.58	1415.82	2429.89	65.22	24.59	0.00	0.00	0.00	
10	22.25	48.12	89.89	78.57	939.39	1805.39	2307.80	62.54	31.79	0.00	0.00	0.00	
11	21.09	58.56	72.19	119.83	1203.86	1973.61	2221.66	65.22	34.25	0.00	0.00	0.00	
12	21.09	81.78	58.56	108.06	1309.27	2104.91	2182.65	52.00	35.48	0.00	0.00	0.00	
13	21.09	89.89	53.31	85.01	1516.68	2225.57	2128.19	46.83	31.79	0.00	0.00	0.00	
14	21.09	98.09	49.41	66.56	1669.27	2237.29	2112.67	45.55	26.96	0.00	0.00	0.00	
15	23.42	86.63	45.55	73.78	1676.79	2085.53	2101.03	40.47	26.96	0.00	0.00	0.00	
16	23.42	69.26	45.55	104.72	1642.97	1763.65	1927.54	24.59	28.16	0.00	0.00	0.00	
17	24.59	70.61	43.00	91.52	1973.61	1342.45	1472.86	22.25	48.12	0.00	0.00	0.00	
18	28.16	152.55	40.47	78.57	2229.47	948.91	936.22	17.66	34.25	0.00	0.00	0.00	
19	26.96	235.21	35.48	78.57	2264.67	791.97	515.32	16.53	23.42	0.00	0.00	0.00	
20	24.59	184.43	30.58	67.91	2284.26	948.91	337.13	30.58	18.79	0.00	0.00	0.00	
21	24.59	197.04	26.96	43.00	2303.87	1230.10	243.69	39.22	17.66	0.00	0.00	0.00	
22	25.77	173.72	34.25	46.83	2213.85	1499.80	200.66	45.55	15.42	0.00	0.00	0.00	
23	29.37	138.65	28.16	131.77	1977.46	1813.00	177.28	55.93	12.14	0.00	0.00	0.00	
24	33.02	104.72	26.96	145.58	1618.42	1931.37	170.17	53.31	8.98	0.00	0.00	0.00	
25	31.79	86.63	36.72	108.06	1236.67	1790.20	159.57	58.56	3.13	0.00	0.00	0.00	
26	30.58	80.17	34.25	109.73	1025.51	1706.94	150.81	149.06	0.00	0.00	0.00	0.00	
27	28.16	78.57	31.79	106.39	1249.83	1801.59	147.32	230.98	0.00	0.00	0.00	0.00	
28	28.16	89.89	31.79	89.89	1442.63	1828.22	175.50	156.06	0.00	0.00	0.00	0.00	
29	33.02	89.89	29.37	136.93	1405.79	1854.89	361.64	143.84	0.00	0.00		0.00	
30	31.79	88.26	30.58	159.57	1067.32	2027.54	277.99	143.84	0.00	0.00		0.00	
31		93.16		128.34	721.69		198.85		0.00	0.00		0.00	
Total	823.19	3038.56	1666.13	2593.62	36713.90	42200.73	43105.49	2409.88	1000.60	0.00	0.00	0.00	133552.10 Tonday
Mean	27.44	98.02	55.54	83.67	1184.32	1406.69	1390.50	80.33	32.28	0.00	0.00	0.00	365.90 Ton/day
Max	45.55	235.21	143.84	159.57	2303.87	2237.29	2668.47	230.98	135.20	0.00	0.00	0.00	2668.47 Ton/day
Min	21.09	34.25	26.96	18.79	89.89	529.41	147.32	16.53	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**PRACHIN BURI RIVER BASIN****Khlong Yang at Ban Thung Faek , Prachin Buri (Kgt.14A)**

Lat 14 - 09 - 41 N Long 101 - 52 - 59 E

Location : on left bank about 2 kilometers from Kabin Buri - Nakhon Ratchasima Highway.

	Ban Thung Faek	Amphoe Na Di	Changwat Prachin Buri
Drainage Area	353 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	26		
R-Square	0.8628		
Remarks	Continued Sediment Station		

$$QS = 4.1284 QW^{1.42290}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.30	3.22	1.90	0.48	4.73	138.34	1518.57	11.07	25.55	3.67	2.38	1.81	
2	0.25	2.59	1.45	1.20	14.35	73.98	435.09	10.29	23.55	3.55	2.59	1.81	
3	0.20	2.69	1.20	2.69	22.57	100.10	866.73	9.53	19.71	3.55	2.59	1.72	
4	0.25	2.49	1.63	1.04	18.78	65.81	608.02	8.06	17.87	3.78	2.59	1.72	
5	0.25	1.63	2.79	0.74	11.07	82.42	260.31	7.35	16.08	3.67	2.69	1.54	
6	0.25	1.12	1.37	0.54	3.78	44.29	196.49	7.35	16.08	3.67	2.69	1.54	
7	0.25	2.00	0.89	0.42	18.78	46.69	327.02	13.50	16.08	3.55	2.59	1.54	
8	0.16	1.90	0.67	0.30	143.38	180.04	353.17	28.63	14.35	3.44	2.90	1.54	
9	0.08	1.72	0.61	0.67	228.70	655.17	148.46	27.59	13.50	3.33	3.11	1.54	
10	0.04	1.37	0.48	2.19	106.22	133.37	483.94	26.56	12.68	3.44	3.01	1.54	
11	0.08	1.04	0.42	1.81	109.32	68.50	260.31	25.55	11.86	6.00	2.79	1.45	
12	0.08	0.89	0.36	1.28	879.71	106.22	123.58	25.55	11.07	11.07	2.69	1.45	
13	0.04	0.96	0.25	2.19	344.39	55.37	82.42	25.55	10.29	4.13	2.69	1.37	
14	0.02	0.74	0.20	3.44	79.58	174.65	63.15	32.90	9.53	4.13	2.69	1.28	
15	0.02	0.54	0.16	1.90	63.15	52.85	50.36	33.99	9.53	4.13	2.79	1.20	
16	0.02	0.54	0.11	1.20	655.17	40.77	46.69	31.81	9.53	3.78	3.01	1.20	
17	0.00	9.53	0.08	1.28	715.56	40.77	41.94	29.68	9.53	3.55	2.79	1.20	
18	0.08	9.53	0.04	1.12	453.97	47.90	35.09	29.68	8.06	3.33	2.69	1.12	
19	0.11	18.78	0.02	0.82	103.15	50.36	23.55	40.77	7.35	3.22	2.59	1.12	
20	0.08	18.78	0.00	37.33	52.85	109.32	28.63	30.74	8.06	3.22	2.49	1.04	
21	0.08	22.57	0.02	138.34	50.36	2432.69	25.55	26.56	8.06	3.11	2.29	0.96	
22	0.16	24.54	0.04	51.60	398.06	344.39	24.54	23.55	8.78	3.11	2.29	1.04	
23	1.54	24.54	0.08	35.09	94.10	398.06	22.57	21.61	8.06	3.01	2.29	1.04	
24	1.04	15.21	0.16	24.54	45.49	276.56	20.65	25.55	6.66	2.90	2.29	1.04	
25	0.54	6.00	0.61	11.07	276.56	260.31	18.78	52.85	5.35	2.79	2.09	0.96	
26	0.30	3.11	1.90	4.01	1150.90	268.40	16.97	41.94	4.73	2.79	1.90	0.89	
27	0.16	2.38	1.28	16.97	1012.60	643.29	22.57	32.90	4.13	2.69	1.90	0.82	
28	0.11	2.90	0.89	16.97	260.31	293.10	22.57	29.68	4.13	2.59	1.90	0.74	
29	2.19	13.50	0.54	14.35	236.49	2088.40	17.87	27.59	3.90	2.49		0.89	
30	4.73	3.90	0.36	3.67	550.58	3444.35	15.21	26.56	3.78	2.59		3.90	
31		2.59		4.01	174.65		13.50		3.67	2.59		2.38	
Total	13.41	203.30	20.51	383.26	8279.31	12716.47	6174.30	764.94	331.51	112.87	71.31	43.39	29114.58 Tonday
Mean	0.45	6.56	0.68	12.36	267.07	423.88	199.17	25.50	10.69	3.64	2.55	1.40	79.77 Ton/day
Max	4.73	24.54	2.79	138.34	1150.90	3444.35	1518.57	52.85	25.55	11.07	3.11	3.90	3444.35 Ton/day
Min	0.00	0.54	0.00	0.30	3.78	40.77	13.50	7.35	3.67	2.49	1.90	0.74	0.00 Ton/day

WATER YEAR : 2022**PRACHIN BURI RIVER BASIN****Khlong Phra Sathung at Ban Tharapha , Sa Kao (Kgt.42)**

Lat 13 - 53 - 49 N Long 101 - 57 - 18 E

Location : on left bank at the bridge.

	Ban Tharapha	Amphoe Mueang	Changwat Sa Kao
Drainge Area	2,624 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2005-Cont'd		
Actual Measurement	2005-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	45		
R-Square	0.8574		
Remarks	Continued Sediment Station		

$$QS = 0.9150 QW^{1.48130}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.10	6.10	34.09	8.21	115.77	458.74	2249.04	45.62	60.30	3.14	1.27	2.55	
2	7.94	15.65	26.90	8.77	157.04	879.60	2990.43	41.81	41.35	3.35	1.20	3.98	
3	8.77	61.36	19.18	14.31	227.34	672.58	3355.25	38.12	28.13	3.77	1.13	4.89	
4	7.67	129.74	11.74	21.03	227.34	500.20	3031.86	34.53	23.32	3.98	1.13	6.35	
5	6.35	110.90	5.85	24.89	125.70	584.32	2685.68	28.13	17.04	3.98	1.05	8.49	
6	4.89	46.59	2.55	26.90	51.53	594.30	2510.68	24.50	6.35	3.56	1.05	8.77	
7	4.21	22.55	24.89	28.96	44.66	577.70	1931.38	23.71	2.19	3.14	1.20	6.61	
8	3.77	18.82	164.67	34.53	82.30	1025.29	1596.82	22.93	7.40	2.75	1.59	4.21	
9	3.35	17.39	87.62	44.66	205.73	1673.26	1297.96	22.55	9.93	2.55	2.01	2.75	
10	2.94	16.69	45.62	59.24	502.83	2189.35	1114.76	21.79	9.63	2.55	2.19	2.55	
11	2.75	24.10	46.59	54.57	686.51	3181.19	1551.82	21.03	9.34	2.55	2.28	3.14	
12	2.55	33.65	34.97	41.35	644.99	3508.51	2005.19	19.55	9.06	2.55	2.37	3.77	
13	2.55	50.53	29.37	28.13	1206.63	2528.45	2326.55	18.82	8.49	2.46	2.46	4.43	
14	2.75	50.53	26.09	32.35	1545.75	1206.63	2466.43	17.74	7.94	2.46	2.55	4.66	
15	3.98	66.20	24.89	65.66	1138.71	849.47	1779.35	13.00	7.67	2.46	2.75	4.43	
16	4.43	108.97	23.32	71.16	1461.60	641.57	538.50	7.13	6.87	2.46	2.75	3.77	
17	4.43	131.78	21.79	52.54	1964.08	420.95	221.27	3.56	6.35	2.46	2.75	3.56	
18	4.89	172.42	21.03	33.65	2735.73	362.72	104.20	3.35	5.85	2.46	2.75	3.77	
19	4.66	106.10	21.03	25.69	3308.54	594.30	67.84	14.64	5.13	2.37	2.75	3.98	
20	3.77	76.24	20.66	22.55	3011.12	1162.82	57.15	13.98	4.66	2.37	2.75	4.21	
21	3.56	82.30	22.55	30.64	1659.28	1617.55	49.54	13.65	4.66	2.28	2.55	4.21	
22	3.35	48.55	13.00	64.03	819.68	1996.95	46.59	25.29	4.43	2.19	2.55	4.21	
23	3.35	20.66	3.98	133.83	479.32	2231.94	91.22	28.54	4.43	2.10	2.55	3.98	
24	3.35	8.77	5.13	59.77	318.67	1048.60	74.53	26.49	4.21	2.01	2.46	3.98	
25	3.56	4.89	8.77	43.23	252.17	510.75	51.53	31.49	3.98	1.92	2.28	3.98	
26	3.56	4.66	9.63	59.24	651.85	665.64	55.09	235.53	3.77	1.75	1.92	3.77	
27	3.77	5.36	9.93	46.59	1426.00	872.03	80.55	131.78	3.56	1.67	1.59	3.77	
28	3.77	6.35	10.22	60.30	1515.52	965.50	175.78	98.57	3.35	1.51	1.43	3.77	
29	5.13	7.67	9.93	153.80	841.99	1309.44	220.06	106.10	3.35	1.43		3.56	
30	5.61	9.06	8.77	114.79	379.41	1772.21	108.97	85.83	3.14	1.35		3.35	
31		19.55		84.95	309.63		61.89		3.14	1.27		3.35	
Total	131.76	1484.13	794.76	1550.32	28097.42	36602.56	34897.91	1219.76	319.02	76.85	57.31	132.80	105364.60 Tonday
Mean	4.39	47.88	26.49	50.01	906.37	1220.09	1125.74	40.66	10.29	2.48	2.05	4.28	288.67 Ton/day
Max	8.77	172.42	164.67	153.80	3308.54	3508.51	3355.25	235.53	60.30	3.98	2.75	8.77	3508.51 Ton/day
Min	2.55	4.66	2.55	8.21	44.66	362.72	46.59	3.35	2.19	1.27	1.05	2.55	1.05 Ton/day

WATER YEAR : 2022**BANG PAKONG RIVER BASIN****Lower Khlong Ban Na at Ban Pa Kha , Nakhon Nayok (Ny.3)**

Lat 14 - 17 - 11 N Long 101 - 04 - 14 E

Location : on left bank near Wat Ban Pa Kha.

	Ban Pa Kha	Amphoe Ban Na	Changwat Nakhon Nayok
Drainage Area	200 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1999-Cont'd		
Actual Measurement	1999-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	28		
R-Square	0.8653		
Remarks	Continued Sediment Station		

$$QS = 0.1193 QW^{2.08280}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	6.87	29.97	304.11	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	4.16	11.59	132.59	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	3.41	14.44	78.88	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	3.41	12.97	275.52	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	3.41	11.59	109.89	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	4.16	7.93	39.94	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	14.44	9.07	57.39	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	14.44	33.12	67.70	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	420.97	278.31	36.45	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	220.24	101.43	33.12	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	18.97	33.12	43.59	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	6.87	47.98	21.47	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	21.47	151.33	16.62	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	10.29	78.88	12.97	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	4.98	33.12	9.07	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	67.70	26.97	6.87	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	84.81	36.45	5.89	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	24.14	78.88	4.98	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	11.59	39.94	4.16	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	10.29	43.59	3.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	6.87	36.45	3.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	7.93	105.62	2.61	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	18.97	175.74	2.61	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	12.97	90.96	2.25	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	10.29	101.43	1.92	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	118.71	97.34	1.92	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	801.62	84.81	2.25	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	217.77	43.59	2.25	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	186.94	245.76	1.92	0.00	0.00	0.00		0.00	
30	0.00	0.00	0.00	0.00	220.24	919.91	1.92	0.00	0.00	0.00		0.00	
31		0.00		0.00	78.88		1.92		0.00	0.00		0.00	
Total	0.00	0.00	0.00	0.00	2637.81	2982.29	1288.78	0.00	0.00	0.00	0.00	0.00	6908.88 Tonday
Mean	0.00	0.00	0.00	0.00	85.09	99.41	41.57	0.00	0.00	0.00	0.00	0.00	18.93 Ton/day
Max	0.00	0.00	0.00	0.00	801.62	919.91	304.11	0.00	0.00	0.00	0.00	0.00	919.91 Ton/day
Min	0.00	0.00	0.00	0.00	3.41	7.93	1.92	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**BANG PAKONG RIVER BASIN****Khlong Samo Pun at Ban Noen Hom , Prachin Buri (Ny.4)**

Lat 14 - 17 - 40 N Long 101 - 23 - 43 E

Location : on left bank at the bridge of Prachin Buri - Khao Yai Highway.

	Ban	Noen Hom	Amphoe	Mueang	Changwat	Prachin Buri
Drainage Area	151	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1986-Cont'd					
Actual Measurement	1986-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	30					
R-Square	0.8697					
Remarks	Continued Sediment Station					

$$QS = 0.2638 QW^{1.97390}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	7.36	0.94	4.07	56.03	527.02	0.94	0.00	0.00	0.00	0.00	
2	0.00	0.32	3.13	0.84	6.83	51.72	200.43	0.94	0.00	0.00	0.00	0.00	
3	0.00	0.67	3.31	80.13	108.46	45.58	108.46	0.84	0.00	0.00	0.00	0.00	
4	0.00	0.67	5.36	4.48	51.72	29.45	99.52	0.84	0.00	0.00	0.00	0.00	
5	0.00	0.84	90.96	5.83	32.73	32.73	56.03	0.84	0.00	0.00	0.00	0.00	
6	0.00	0.84	252.89	3.87	14.45	23.87	39.82	0.84	0.00	0.00	0.00	0.00	
7	0.00	0.84	47.59	3.87	1491.03	22.92	65.16	0.75	0.00	0.00	0.00	0.00	
8	0.00	0.84	18.45	3.31	771.25	265.37	62.82	0.75	0.00	0.00	0.00	0.00	
9	0.00	0.84	3.68	29.45	2325.41	173.89	24.84	0.75	0.00	0.00	0.00	0.00	
10	0.00	3.13	4.07	265.37	693.18	51.72	24.84	0.00	0.00	0.00	0.00	0.00	
11	0.00	3.31	3.68	21.99	1603.99	37.98	18.45	0.00	0.00	0.00	0.00	0.00	
12	0.00	5.36	2.31	5.83	1925.09	36.19	12.29	0.00	0.00	0.00	0.00	0.00	
13	0.00	3.13	2.95	13.71	723.92	29.45	12.29	0.00	0.00	0.00	0.00	0.00	
14	0.00	3.49	2.95	12.29	130.80	56.03	9.06	0.00	0.00	0.00	0.00	0.00	
15	0.00	4.91	2.46	7.36	10.94	200.43	9.06	0.00	0.00	0.00	0.00	0.00	
16	0.00	5.36	2.01	10.29	392.85	88.19	9.06	0.00	0.00	0.00	0.00	0.00	
17	0.00	4.91	1.49	6.83	364.65	246.77	9.06	0.00	0.00	0.00	0.00	0.00	
18	0.00	4.48	1.49	0.84	853.43	139.85	9.06	0.00	0.00	0.00	0.00	0.00	
19	0.00	1.87	1.04	0.75	139.85	291.20	6.32	0.00	0.00	0.00	0.00	0.00	
20	0.00	2.95	1.04	739.53	111.53	163.79	6.32	0.00	0.00	0.00	0.00	0.00	
21	0.00	2.16	2.01	200.43	51.72	51.72	6.32	0.00	0.00	0.00	0.00	0.00	
22	0.00	20.18	1.61	117.78	36.19	58.25	6.32	0.00	0.00	0.00	0.00	0.00	
23	0.00	12.29	1.49	3.49	18.45	173.89	6.32	0.00	0.00	0.00	0.00	0.00	
24	0.00	27.87	1.49	2.31	234.74	311.36	6.32	0.00	0.00	0.00	0.00	0.00	
25	0.00	47.59	3.13	0.38	311.36	996.47	3.49	0.00	0.00	0.00	0.00	0.00	
26	0.00	18.45	1.61	0.44	663.10	278.14	2.31	0.00	0.00	0.00	0.00	0.00	
27	0.00	15.99	1.37	15.99	392.85	158.85	2.31	0.00	0.00	0.00	0.00	0.00	
28	0.00	37.98	2.95	12.29	102.46	139.85	2.01	0.00	0.00	0.00	0.00	0.00	
29	0.00	9.67	1.74	2.31	105.44	739.53	1.74	0.00	0.00	0.00		0.00	
30	0.00	3.49	1.61	0.94	96.62	1858.56	1.04	0.00	0.00	0.00		0.00	
31		2.95		29.45	65.16		1.04		0.00	0.00		0.00	
Total	0.00	247.38	477.23	1603.32	13834.27	6809.78	1349.13	7.49	0.00	0.00	0.00	0.00	24328.60 Tonday
Mean	0.00	7.98	15.91	51.72	446.27	226.99	43.52	0.25	0.00	0.00	0.00	0.00	66.65 Ton/day
Max	0.00	47.59	252.89	739.53	2325.41	1858.56	527.02	0.94	0.00	0.00	0.00	0.00	2325.41 Ton/day
Min	0.00	0.00	1.04	0.38	4.07	22.92	1.04	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**BANG PAKONG RIVER BASIN****Upper Khlong Ban Na at Ban Cha Om , Saraburi (Ny.6)**

Lat 14 - 24 - 25 N Long 101 - 06 - 22 E

Location : on left bank about 50 meters from the top staff gage.

	Ban	Cha Om	Amphoe	Kaeng Khoi	Changwat	Saraburi
Drainage Area	114	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1986-Cont'd					
Actual Measurement	1986-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	25					
R-Square	0.8944					
Remarks	Continued Sediment Station					

$$QS = 1.9682 QW^{1.44660}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	1.30	0.94	4.61	30.17	96.10	0.94	1.17	0.00	0.00	0.00	
2	0.00	0.00	1.17	0.94	4.24	30.17	51.88	0.83	0.94	0.00	0.00	0.00	
3	0.00	0.00	1.06	0.94	4.98	25.03	32.85	0.83	0.72	0.00	0.00	0.00	
4	0.00	0.00	1.43	0.94	4.61	19.03	79.55	0.83	0.00	0.00	0.00	0.00	
5	0.00	0.00	5.76	1.06	6.16	14.62	45.75	0.83	0.00	0.00	0.00	0.00	
6	0.00	0.00	17.90	0.94	5.76	11.56	35.60	0.83	0.00	0.00	0.00	0.00	
7	0.00	0.83	7.41	0.94	34.22	11.56	54.24	0.72	0.00	0.00	0.00	0.00	
8	0.00	1.30	4.98	1.06	59.06	59.06	42.77	0.68	0.00	0.00	0.00	0.00	
9	0.00	1.69	3.54	1.97	249.14	79.55	34.22	0.68	0.00	0.00	0.00	0.00	
10	0.00	3.54	2.88	1.83	51.88	42.77	27.56	0.62	0.00	0.00	0.00	0.00	
11	0.00	1.97	2.88	1.83	27.56	31.50	28.86	0.62	0.00	0.00	0.00	0.00	
12	0.00	1.83	2.26	2.56	25.03	96.10	21.37	0.62	0.00	0.00	0.00	0.00	
13	0.00	1.83	1.69	5.36	35.60	102.79	14.62	0.62	0.00	0.00	0.00	0.00	
14	0.00	1.56	1.56	8.28	19.03	59.06	9.18	0.68	0.00	0.00	0.00	0.00	
15	0.00	1.30	1.43	5.36	15.69	41.30	7.84	0.83	0.00	0.00	0.00	0.00	
16	0.00	1.17	1.17	3.88	76.89	30.17	6.57	0.68	0.00	0.00	0.00	0.00	
17	0.00	1.83	1.17	2.88	39.85	38.42	5.36	0.83	0.00	0.00	0.00	0.00	
18	0.00	1.83	5.76	1.97	25.03	35.60	4.61	0.94	0.00	0.00	0.00	0.00	
19	0.00	3.20	4.24	1.83	16.78	32.85	3.54	0.94	0.00	0.00	0.00	0.00	
20	0.00	3.20	2.56	9.18	16.78	54.24	3.20	0.72	0.00	0.00	0.00	0.00	
21	0.00	4.98	1.83	7.41	13.58	61.52	2.56	0.68	0.00	0.00	0.00	0.00	
22	0.00	8.28	1.69	7.41	23.79	106.67	2.56	0.62	0.00	0.00	0.00	0.00	
23	0.00	4.61	1.56	5.76	22.57	93.27	1.97	0.58	0.00	0.00	0.00	0.00	
24	0.00	3.54	1.43	4.61	15.69	51.88	1.83	0.68	0.00	0.00	0.00	0.00	
25	0.00	5.36	1.30	4.98	26.29	74.26	1.69	0.83	0.00	0.00	0.00	0.00	
26	0.00	3.88	1.17	4.98	312.28	71.65	1.56	0.68	0.00	0.00	0.00	0.00	
27	0.00	2.88	1.30	5.76	249.14	64.01	1.69	1.17	0.00	0.00	0.00	0.00	
28	0.00	2.56	1.43	6.98	96.10	45.75	1.56	1.17	0.00	0.00	0.00	0.00	
29	0.00	1.97	1.17	6.16	98.95	803.38	1.30	1.06	0.00	0.00		0.00	
30	0.00	1.69	1.06	4.61	76.89	296.09	1.30	1.56	0.00	0.00		0.00	
31		1.43		3.88	44.25		1.06		0.00	0.00		0.00	
Total	0.00	68.26	86.09	117.23	1702.43	2514.03	624.75	24.30	2.83	0.00	0.00	0.00	5139.92 Tonday
Mean	0.00	2.20	2.87	3.78	54.92	83.80	20.15	0.81	0.09	0.00	0.00	0.00	14.08 Ton/day
Max	0.00	8.28	1.87	9.18	312.28	803.38	96.10	1.56	1.17	0.00	0.00	0.00	803.38 Ton/day
Min	0.00	0.00	1.06	0.94	4.24	11.56	1.06	0.58	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Yai at Ban Si Bua Thong , Trat (Z.10)**

Lat 12 - 28 - 35 N Long 102 - 28 - 40 E

Location : on left bank at Ban Si Bua Thong

	Ban	Si Bua Thong	Amphoe	Khao Saming	Changwat	Trat
Drainge Area	778	sq.km.				
Method of sampling	Depth	Integrating				
Instrument Used	US.D-49					
Period of Available Records	1978-Cont'd					
Actual Measurement	1978-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	44					
R-Square	0.8930					
Remarks	Continued Sediment Station					

$$QS = 0.1239 QW^{1.85540}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.87	13.64	94.66	187.19	383.99	631.89	4502.21	23.77	21.74	2.02	0.41	1.94	
2	4.83	58.42	82.30	640.15	374.23	536.59	2913.68	16.58	17.92	1.94	1.86	1.86	
3	8.23	77.76	150.71	2508.48	336.33	487.99	1625.72	18.38	15.71	1.86	2.19	1.94	
4	6.43	21.24	247.51	2197.87	275.72	420.79	1801.87	17.92	13.24	1.70	2.83	1.86	
5	4.58	15.71	323.24	2458.70	752.08	806.53	834.41	18.38	9.21	1.55	3.44	1.86	
6	3.88	17.47	292.82	1666.90	971.71	387.27	599.33	17.92	5.08	1.55	3.03	1.86	
7	3.23	47.19	199.46	1691.84	5163.45	2132.45	603.35	17.02	2.19	1.48	2.45	1.86	
8	2.83	24.29	100.63	3855.81	8430.51	1083.62	1138.58	15.71	2.64	1.33	4.34	1.86	
9	2.83	17.02	68.19	3070.37	8688.83	669.47	513.89	14.04	4.83	1.33	5.08	2.02	
10	2.83	17.02	49.34	3395.07	7292.72	532.78	312.95	13.24	4.83	1.27	6.15	1.86	
11	2.64	25.35	45.77	2973.50	5055.46	971.71	280.56	12.46	4.58	0.95	8.23	1.86	
12	2.45	56.86	50.07	3628.64	5178.96	1411.57	245.22	11.70	4.11	2.10	6.15	1.86	
13	2.45	50.07	50.07	4560.59	4948.53	1560.81	171.39	11.33	3.44	2.83	5.08	2.02	
14	2.83	45.07	38.35	2985.53	2670.86	1810.47	136.45	10.24	3.03	2.10	4.34	1.86	
15	2.64	30.37	54.55	4357.76	1226.57	756.55	106.77	5.87	2.28	1.86	4.34	1.78	
16	2.45	25.89	48.62	3510.96	2188.47	779.09	95.64	6.71	2.36	1.62	4.11	1.78	
17	3.88	40.98	32.14	1675.20	2722.57	583.34	87.90	7.61	2.36	1.55	3.03	1.86	
18	12.46	31.54	33.34	1107.89	1365.88	2619.62	75.09	7.92	2.19	1.40	2.64	2.10	
19	14.04	89.81	27.53	797.33	853.24	4386.48	66.51	8.88	3.44	1.27	2.36	1.55	
20	10.24	131.27	34.56	843.80	910.89	4019.98	52.29	9.21	3.03	1.14	2.36	0.26	
21	8.55	358.21	60.00	1324.19	1497.13	2169.72	56.08	11.70	2.64	1.14	3.23	0.10	
22	11.70	320.66	67.35	1609.38	2123.18	1035.81	59.20	10.24	2.64	1.01	3.03	0.10	
23	14.87	220.71	48.62	983.22	2283.31	920.67	48.62	9.90	2.64	0.95	3.03	0.23	
24	15.71	87.90	51.55	756.55	906.02	983.22	39.66	17.02	2.36	1.01	3.23	0.23	
25	12.07	55.31	99.62	559.74	881.85	1528.82	32.74	50.07	2.36	0.78	3.88	0.10	
26	18.38	57.63	58.42	352.34	877.05	983.22	25.35	43.00	2.19	0.73	4.11	3.88	
27	9.90	60.79	45.07	374.23	829.73	765.53	29.79	40.98	2.10	0.84	3.44	0.95	
28	7.30	179.21	36.44	583.34	536.59	708.05	22.74	84.15	2.19	0.78	1.86	3.44	
29	7.30	525.19	40.98	1047.67	563.65	1373.44	32.14	53.04	2.19	0.54		7.61	
30	16.58	325.84	61.60	367.78	960.26	2753.81	29.22	31.54	2.02	0.45		2.45	
31		181.19		305.33	716.76		28.09		2.02	0.41		6.43	
Total	223.98	3209.61	2593.51	56377.35	71966.53	39811.29	16567.44	616.53	153.56	41.49	100.23	61.37	191722.89 Tonday
Mean	7.47	103.54	86.45	1818.62	2321.50	1327.04	534.43	20.55	4.95	1.34	3.58	1.98	525.27 Ton/day
Max	18.38	525.19	323.24	4560.59	8688.83	4386.48	4502.21	84.15	21.74	2.83	8.23	7.61	8688.83 Ton/day
Min	2.45	13.64	27.53	187.19	275.72	387.27	22.74	5.87	2.02	0.41	0.41	0.10	0.10 Ton/day

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Prasae at Ban Khao Chik , Rayong (Z.11)**

Lat 12 - 51 - 20 N Long 101 - 37 - 09 E

Location : on left bank near the Meteorological Station.

	Ban Khao Chik	Amphoe Klaeng	Changwat Rayong
Drainge Area	1,236 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1996-Cont'd		
Actual Measurement	1996-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	26		
R-Square	0.9407		
Remarks	Continued Sediment Station		

$$QS = 0.2454 QW^{1.85860}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	15.80	31.38	17.72	37.65	224.47	1740.50	489.04	12.82	30.53	0.00	0.00	0.00	
2	14.57	21.88	21.15	34.90	1026.11	775.88	363.41	11.70	21.88	0.00	0.00	0.00	
3	8.65	21.88	25.64	33.12	1104.77	164.84	716.56	11.70	15.80	0.00	0.00	0.00	
4	7.29	26.43	23.35	32.24	913.17	138.23	931.57	10.13	15.80	0.00	0.00	0.00	
5	7.29	19.06	19.06	31.38	317.00	190.62	1131.59	10.13	12.82	0.00	0.00	0.00	
6	6.86	16.43	17.72	29.69	111.48	532.60	894.94	10.13	0.00	0.00	0.00	0.00	
7	6.44	15.18	21.88	29.69	116.15	2896.45	901.00	10.13	0.00	0.00	0.00	0.00	
8	6.86	15.80	19.06	29.69	118.52	6695.04	1532.76	10.64	0.00	0.00	0.00	0.00	
9	10.13	20.45	17.07	26.43	255.18	3815.26	1004.74	10.13	0.00	0.00	0.00	0.00	
10	12.25	37.65	15.80	43.44	307.09	1471.30	892.93	9.62	0.00	0.00	0.00	0.00	
11	11.70	39.54	16.43	29.69	250.68	709.30	412.72	9.13	0.00	0.00	0.00	0.00	
12	11.70	37.65	17.07	30.53	745.95	273.54	418.38	8.65	0.00	0.00	0.00	0.00	
13	12.25	48.55	17.72	98.02	441.37	821.79	246.22	7.73	0.00	0.00	0.00	0.00	
14	12.82	55.04	28.86	71.61	297.32	1087.06	162.08	7.29	0.00	0.00	0.00	0.00	
15	13.97	28.04	31.38	39.54	187.67	1908.57	55.04	8.19	0.00	0.00	0.00	0.00	
16	12.82	29.69	118.52	73.51	395.96	1627.12	42.45	10.64	0.00	0.00	0.00	0.00	
17	12.25	120.90	109.18	91.59	958.45	1017.54	30.53	36.72	0.00	0.00	0.00	0.00	
18	12.25	151.27	58.42	58.42	532.60	1026.11	28.04	27.23	0.00	0.00	0.00	0.00	
19	12.25	87.41	30.53	55.04	250.68	1298.69	29.69	20.45	0.00	0.00	0.00	0.00	
20	14.57	56.16	27.23	55.04	193.59	1078.25	23.35	16.43	0.00	0.00	0.00	0.00	
21	17.07	34.90	46.48	624.85	199.60	1026.11	20.45	47.51	0.00	0.00	0.00	0.00	
22	18.38	24.87	113.81	1563.92	220.23	1009.00	28.04	28.04	0.00	0.00	0.00	0.00	
23	28.04	19.75	287.70	638.58	233.06	962.62	28.04	17.72	0.00	0.00	0.00	0.00	
24	29.69	19.06	120.90	145.99	317.00	898.98	35.80	14.57	0.00	0.00	0.00	0.00	
25	21.88	15.80	83.33	156.63	845.20	946.00	27.23	15.80	0.00	0.00	0.00	0.00	
26	17.72	15.18	89.49	109.18	960.53	996.25	20.45	15.80	0.00	0.00	0.00	0.00	
27	15.80	12.82	63.07	95.85	1501.88	958.45	19.75	57.28	0.00	0.00	0.00	0.00	
28	13.97	11.70	69.74	64.26	1232.44	911.14	19.75	79.33	0.00	0.00	0.00	0.00	
29	16.43	11.70	48.55	130.68	745.95	958.45	18.38	69.74	0.00	0.00		0.00	
30	55.04	13.39	39.54	57.28	760.84	1078.25	19.75	109.18	0.00	0.00		0.00	
31		13.39		55.04	1000.49		14.57		0.00	0.00		0.00	
Total	456.74	1072.95	1616.40	4573.48	16765.43	39013.94	10559.25	714.56	96.83	0.00	0.00	0.00	74869.58 Tonday
Mean	15.22	34.61	53.88	147.53	540.82	1300.46	340.62	23.82	3.12	0.00	0.00	0.00	205.12 Ton/day
Max	55.04	151.27	287.70	1563.92	1501.88	6695.04	1532.76	109.18	30.53	0.00	0.00	0.00	6695.04 Ton/day
Min	6.44	11.70	15.80	26.43	111.48	138.23	14.57	7.29	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**EAST COAST - GULF BASIN****Chanthaburi River at Ban Puk , Chanthaburi (Z.13)**

Lat 12 - 45 - 48 N Long 102 - 08 - 17 E

Location : on left bank at Ban Puk

	Ban Puk	Amphoe Makham	Changwat Chanthaburi
Drainage Area	648 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1978-Cont'd		
Actual Measurement	1978-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	26		
R-Square	0.8913		
Remarks	Continued Sediment Station		

$$QS = 0.4203 QW^{1.71860}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	31.82	92.01	280.54	254.76	1267.19	1983.17	54.73	0.00	0.00	0.00	0.00	
2	0.00	72.36	76.13	183.78	230.03	511.40	1248.72	48.26	0.00	0.00	0.00	0.00	
3	0.00	83.91	92.01	206.36	316.52	545.67	1248.72	42.13	0.00	0.00	0.00	0.00	
4	0.00	45.15	592.80	271.83	263.24	616.98	2149.82	33.61	0.00	0.00	0.00	0.00	
5	0.00	35.43	373.84	198.71	246.40	522.72	1072.24	33.61	0.00	0.00	0.00	0.00	
6	0.00	30.08	191.18	198.71	263.24	691.90	679.17	37.30	9.14	0.00	0.00	0.00	
7	0.00	28.38	214.13	289.36	456.37	1598.27	641.55	37.30	23.52	0.00	0.00	0.00	
8	0.00	42.13	151.98	238.16	467.17	6482.08	981.76	31.82	21.99	0.00	0.00	0.00	
9	0.00	51.45	132.20	271.83	403.98	13404.20	641.55	26.71	20.50	0.00	0.00	0.00	
10	0.00	37.30	113.59	325.79	383.78	8581.45	810.94	31.82	17.65	0.00	0.00	0.00	
11	0.00	37.30	141.95	467.17	592.80	2725.41	824.65	23.52	14.98	0.00	0.00	0.00	
12	0.00	42.13	157.10	653.99	2426.44	1639.32	629.21	16.29	14.98	0.00	0.00	0.00	
13	0.00	58.09	122.75	1118.72	1872.78	1230.36	435.09	17.65	14.98	0.00	0.00	0.00	
14	0.00	51.45	96.17	880.46	757.06	981.76	354.29	12.50	13.72	0.00	0.00	0.00	
15	0.00	45.15	83.91	996.61	704.74	981.76	298.30	13.72	13.72	0.00	0.00	0.00	
16	0.00	51.45	83.91	810.94	880.46	937.78	246.40	19.05	12.50	0.00	0.00	0.00	
17	0.00	48.26	79.98	557.30	838.46	783.81	214.13	19.05	11.33	0.00	0.00	0.00	
18	0.00	48.26	72.36	500.19	511.40	2119.11	169.33	28.38	11.33	0.00	0.00	0.00	
19	0.00	58.09	65.06	770.39	424.62	2851.35	146.93	26.71	0.00	0.00	0.00	0.00	
20	0.00	72.36	83.91	1026.58	414.24	2657.72	132.20	30.08	0.00	0.00	0.00	0.00	
21	0.00	92.01	87.92	1618.74	522.72	1983.17	122.75	76.13	0.00	0.00	0.00	0.00	
22	11.33	169.33	113.59	1150.16	545.67	1285.77	113.59	51.45	0.00	0.00	0.00	0.00	
23	25.10	118.13	100.41	770.39	445.68	1056.93	104.73	42.13	0.00	0.00	0.00	0.00	
24	17.65	83.91	113.59	641.55	403.98	1181.97	96.17	48.26	0.00	0.00	0.00	0.00	
25	21.99	72.36	151.98	445.68	1458.06	981.76	109.12	48.26	0.00	0.00	0.00	0.00	
26	17.65	61.53	113.59	373.84	2165.25	770.39	92.01	0.00	0.00	0.00	0.00	0.00	
27	12.50	58.09	96.17	344.68	1458.06	852.37	54.73	0.00	0.00	0.00	0.00	0.00	
28	9.14	100.41	83.91	445.68	666.53	1477.76	79.98	0.00	0.00	0.00	0.00	0.00	
29	23.52	511.40	76.13	534.15	653.99	1181.97	68.67	0.00	0.00	0.00		0.00	
30	25.10	214.13	151.98	316.52	629.21	2250.93	68.67	0.00	0.00	0.00		0.00	
31		127.44		289.36	996.61		61.53		0.00	0.00		0.00	
Total	163.98	2579.29	4106.24	17178.17	22654.25	64153.26	15880.12	850.47	200.34	0.00	0.00	0.00	127766.12 Tonday
Mean	5.47	83.20	136.87	554.13	730.78	2138.44	512.26	28.35	6.46	0.00	0.00	0.00	350.04 Ton/day
Max	25.10	511.40	592.80	1618.74	2426.44	13404.20	2149.82	76.13	23.52	0.00	0.00	0.00	13404.20 Ton/day
Min	0.00	28.38	65.06	183.78	230.03	511.40	54.73	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Phayat at Ban Chaman , Chanthaburi (Z.14)**

Lat 12 - 44 - 40 N Long 102 - 12 - 23 E

Location : on left bank at the bridge of Khlong Phayat near Wat Chaman.

	Ban Chaman	Amphoe Makham	Changwat Chanthaburi
Drainage Area	221 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1978-Cont'd		
Actual Measurement	1978-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	24		
R-Square	0.9034		
Remarks	Continued Sediment Station		

$$QS = 0.3522 QW^{1.75690}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.43	4.20	14.50	19.95	31.05	225.83	736.36	4.02	3.68	0.72	0.31	1.64	
2	2.57	19.95	7.96	167.44	21.02	125.93	430.88	3.85	2.72	0.56	0.42	1.76	
3	2.29	6.60	9.44	206.18	29.78	110.77	321.29	3.34	3.68	0.49	0.56	1.52	
4	0.64	3.34	15.44	130.64	17.88	107.83	633.01	2.87	3.34	0.49	3.18	1.64	
5	1.76	1.64	43.95	204.25	95.06	104.94	256.74	2.72	2.87	0.49	2.15	1.52	
6	2.29	2.15	27.32	63.30	163.93	137.04	213.94	3.18	1.64	0.35	1.41	1.52	
7	0.72	5.14	66.82	76.59	342.57	76.59	219.85	2.72	1.41	0.42	0.72	1.52	
8	1.89	10.22	20.48	174.55	354.65	280.49	296.07	2.29	1.30	0.35	0.72	2.43	
9	1.89	8.69	14.05	291.58	265.27	314.32	202.34	2.29	1.30	0.31	0.35	1.64	
10	1.30	7.61	9.83	235.94	376.85	323.62	242.10	2.43	0.99	0.31	0.80	1.41	
11	1.52	5.14	7.96	191.01	499.23	141.92	196.64	1.52	0.99	0.72	0.80	1.41	
12	5.95	12.28	11.86	167.44	1832.82	119.76	122.83	1.64	0.99	1.52	0.64	1.64	
13	2.02	14.05	5.34	187.30	425.60	100.65	97.84	1.52	0.72	1.09	0.64	1.76	
14	1.30	7.61	5.95	137.04	210.04	151.91	49.02	2.15	0.56	0.72	0.49	1.09	
15	1.41	5.95	4.02	391.97	137.04	113.73	38.19	2.02	0.35	0.64	1.52	3.51	
16	1.09	8.32	4.02	231.88	165.68	106.38	32.34	1.64	0.35	0.49	1.09	4.20	
17	0.80	7.96	3.51	246.25	237.99	132.23	27.92	2.02	0.49	0.56	0.80	1.76	
18	1.76	6.60	3.02	146.88	213.94	438.85	23.22	2.15	0.42	0.34	0.42	2.43	
19	1.30	12.28	2.15	150.23	208.11	809.54	19.95	2.15	0.56	0.31	0.42	2.43	
20	1.64	54.33	3.02	206.18	172.76	460.42	17.38	4.02	0.42	0.29	0.31	3.34	
21	1.76	45.95	3.68	516.27	260.99	309.72	14.97	12.28	0.89	0.21	0.42	3.18	
22	7.61	32.34	2.57	337.79	835.77	273.92	14.05	3.18	0.99	1.30	0.64	4.02	
23	4.38	29.16	3.34	141.92	227.84	374.36	11.86	3.02	1.19	0.28	0.42	4.38	
24	5.75	13.15	3.02	81.70	146.88	407.34	9.83	8.32	0.89	0.25	0.72	8.69	
25	3.18	10.62	2.02	53.25	254.63	271.75	6.60	14.50	0.80	0.14	0.42	4.95	
26	2.02	11.02	1.52	34.32	352.22	265.27	6.60	9.83	0.64	0.18	0.89	3.85	
27	1.64	41.99	2.72	26.12	202.34	217.88	6.27	11.86	0.80	0.49	0.99	3.02	
28	0.64	59.87	2.43	24.36	124.37	211.99	6.60	8.69	0.80	0.72	1.52	1.76	
29	2.02	167.44	2.29	21.02	217.88	250.42	5.75	9.44	0.64	0.42		2.15	
30	2.87	46.97	31.05	12.71	176.35	1111.61	5.54	4.95	0.72	0.80		3.51	
31		32.34		18.39	568.88		4.95		0.64	0.31		3.85	
Total	68.44	694.91	335.28	4894.45	9169.42	8077.01	4270.93	136.61	37.78	16.27	23.77	83.53	27808.40 Tonday
Mean	2.28	22.42	11.18	157.89	295.79	269.23	137.77	4.55	1.22	0.52	0.85	2.69	76.19 Ton/day
Max	7.61	167.44	66.82	516.27	1832.82	1111.61	736.36	14.50	3.68	1.52	3.18	8.69	1832.82 Ton/day
Min	0.64	1.64	1.52	12.71	17.88	76.59	4.95	1.52	0.35	0.14	0.31	1.09	0.14 Ton/day

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Hin Dat at Ban Pong Rong Sen , Chanthaburi (Z.21)**

Lat 12 - 47 - 31 N Long 102 - 15 - 17 E

Location : on left bank at the bridge on highway.

	Ban	Pong Rong Sen	Amphoe	Makham	Changwat	Chanthaburi
Drainage Area	72	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1984-Cont'd					
Actual Measurement	1984-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	30					
R-Square	0.8959					
Remarks	Continued Sediment Station					

$$QS = 1.0053 QW^{2.02480}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	15.01	4.52	16.65	37.84	71.22	198.37	1268.34	4.09	3.49	1.85	2.13	2.13	
2	16.65	13.45	10.60	51.70	40.43	241.91	433.13	3.31	3.12	1.58	2.13	2.13	
3	16.65	6.96	9.30	424.41	57.85	153.96	554.75	2.77	2.94	1.85	2.28	2.13	
4	8.68	4.96	148.81	204.33	35.33	138.78	544.85	3.49	3.12	1.85	4.52	2.13	
5	8.09	2.28	51.70	450.85	43.12	119.77	297.01	1.85	1.58	1.45	2.94	2.13	
6	8.09	8.09	35.33	97.99	708.37	115.24	334.36	3.12	2.77	1.58	1.85	1.99	
7	6.96	6.96	74.78	106.44	1404.01	97.99	349.92	3.49	3.31	1.58	1.71	1.99	
8	5.92	9.30	26.16	89.90	1034.87	261.90	297.01	3.49	3.12	1.58	1.58	3.31	
9	6.43	6.43	18.38	216.50	415.77	82.16	349.92	3.31	2.94	1.58	1.71	2.44	
10	5.43	9.30	13.45	204.33	1525.85	61.06	365.85	2.77	2.44	1.71	2.28	2.44	
11	5.43	6.96	11.98	342.09	1546.66	138.78	204.33	2.13	1.99	1.71	1.99	2.44	
12	5.43	22.09	18.38	574.81	1384.20	106.44	124.39	2.60	2.44	2.28	1.58	2.28	
13	6.43	15.01	4.52	1017.90	459.85	102.17	74.78	2.94	2.60	2.44	1.45	2.28	
14	5.92	8.09	18.38	261.90	235.42	204.33	45.89	6.43	5.43	1.99	2.13	2.44	
15	5.92	8.68	7.51	765.74	169.95	169.95	37.84	2.60	2.28	1.71	2.77	5.43	
16	7.51	7.51	7.51	148.81	204.33	164.53	32.90	2.28	2.94	1.71	2.94	5.43	
17	6.43	8.09	6.43	102.17	102.17	210.37	28.32	1.99	1.85	1.71	2.60	2.60	
18	6.43	8.09	6.43	93.90	110.79	708.37	24.08	1.99	1.71	1.58	2.44	2.94	
19	7.51	20.19	5.92	74.78	89.90	708.37	20.19	1.71	1.22	1.33	2.60	3.12	
20	6.96	74.78	7.51	164.53	204.33	424.41	20.19	1.99	1.58	1.22	1.99	3.12	
21	6.96	43.12	6.43	535.05	694.38	496.73	22.09	3.12	1.99	1.33	1.85	3.89	
22	48.75	35.33	6.43	297.01	3420.90	342.09	15.01	2.28	2.13	3.49	1.99	5.43	
23	210.37	28.32	30.57	93.90	268.74	478.11	10.60	1.85	1.99	1.45	1.99	8.68	
24	40.43	13.45	6.43	51.70	169.95	694.38	9.30	1.99	1.99	1.33	1.99	4.96	
25	8.09	10.60	5.43	35.33	248.48	382.13	7.51	2.77	1.85	1.33	2.13	4.96	
26	9.30	13.45	5.92	26.16	468.93	424.41	8.09	3.12	1.85	1.85	2.77	4.96	
27	5.92	61.06	8.68	24.08	186.74	349.92	7.51	2.94	2.13	2.60	2.13	4.96	
28	6.96	110.79	5.92	30.57	133.89	311.68	6.43	3.12	2.13	2.60	2.13	4.52	
29	7.51	289.81	6.96	26.16	342.09	365.85	5.92	3.49	1.85	2.77		9.30	
30	9.30	45.89	8.09	22.09	198.37	1609.93	5.92	2.94	1.71	2.60		4.09	
31		26.16		32.90	2064.62		4.96		1.85	2.60		5.43	
Total	515.47	929.72	590.59	6605.87	18041.51	9864.09	5511.39	85.97	74.34	58.24	62.60	116.08	42455.87 Tonday
Mean	17.18	29.99	19.69	213.09	581.98	328.80	177.79	2.87	2.40	1.88	2.24	3.74	116.32 Ton/day
Max	210.37	289.81	148.81	1017.90	3420.90	1609.93	1268.34	6.43	5.43	3.49	4.52	9.30	3420.90 Ton/day
Min	5.43	2.28	4.52	22.09	35.33	61.06	4.96	1.71	1.22	1.22	1.45	1.99	1.22 Ton/day

	Ban	Nong Bua	Amphoe	Khao Saming	Changwat	Trat
Drainage Area	312	sq.km.				
Method of sampling	Depth	Integrating				
Instrument Used	US.D-49					
Period of Available Records	2005-Cont'd					
Actual Measurement	2005-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	24					
R-Square	0.8132					
Remarks	Continued Sediment Station					

$$QS = 0.1279 QW^{2.06320}$$

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	38.26	134.97	176.45	1008.60	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	199.64	154.23	153.72	568.06	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	522.06	114.39	181.42	527.82	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	463.54	76.32	153.72	663.91	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	909.10	211.48	193.85	284.33	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	413.67	274.62	160.42	285.73	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	604.65	1368.90	396.03	261.04	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	1030.23	4114.58	245.22	388.60	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	10.32	834.30	3385.53	180.31	189.28	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	6.68	844.09	1556.01	148.17	153.72	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	7.09	638.17	981.90	163.04	154.74	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	7.30	909.10	2126.12	359.57	130.72	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	7.95	844.09	1186.79	373.94	93.18	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	5.52	373.94	450.13	302.83	75.26	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	5.70	513.48	313.78	237.50	60.24	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	9.34	560.09	592.33	270.51	52.05	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	3.84	474.41	434.31	197.31	44.48	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	2.98	401.03	251.75	401.03	36.05	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	2.35	253.07	179.20	829.44	29.84	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	5.34	369.12	166.21	1024.80	18.18	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	9.10	633.93	262.38	381.23	18.69	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	10.84	524.94	834.30	234.95	24.22	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	4.98	345.50	560.09	251.75	22.49	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	4.81	247.82	207.89	250.44	16.68	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	15.25	172.10	238.78	275.99	11.63	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	11.63	145.18	305.00	181.97	10.32	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	9.82	137.85	265.08	179.75	16.68	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	6.08	167.27	158.86	183.64	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	9.82	137.85	166.74	201.98	0.00	0.00	0.00	0.00		0.00	
30	0.00	0.00	10.32	89.67	289.96	703.52	0.00	0.00	0.00	0.00		0.00	
31		0.00		114.39	241.34		0.00		0.00	0.00		0.00	
Total													

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Aeng at Ban Kho Lae , Trat (Z.45)**

Lat 12 - 37 - 05 N Long 102 - 28 - 30 E

Location : on right bank near the highway bridge, Tambon Nong Bon.

	Ban Kho Lae	Amphoe Bo Rai	Changwat Trat
Drainage Area	61 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1999-Cont'd		
Actual Measurement	1999-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	33		
R-Square	0.9107		
Remarks	Continued Sediment Station		

$$QS = 1.2460 QW^{2.01970}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.61	3.22	9.26	15.64	83.08	52.94	476.67	5.85	3.43	1.38	0.70	0.44	
2	7.61	19.47	8.25	345.44	59.83	105.39	201.33	5.85	3.22	1.12	0.70	0.25	
3	7.30	7.00	12.24	336.88	52.94	54.62	163.92	5.58	3.22	1.12	0.90	0.37	
4	7.30	4.56	12.24	214.66	44.92	91.68	105.39	5.58	3.02	1.01	1.96	0.37	
5	7.30	3.64	10.70	816.38	272.31	105.39	63.44	5.31	2.83	1.01	1.51	0.31	
6	7.30	3.64	16.56	201.33	228.42	427.36	49.65	5.05	2.83	1.01	1.12	0.31	
7	7.00	3.86	16.56	569.51	640.93	303.73	105.39	4.80	2.64	1.01	0.90	0.31	
8	6.70	3.22	10.33	345.44	1167.04	280.00	54.62	4.80	2.64	1.01	0.90	0.31	
9	6.41	2.83	8.25	780.23	515.44	135.70	40.42	4.56	2.64	1.01	1.01	0.25	
10	6.13	4.32	8.25	583.45	655.72	280.00	33.47	4.56	2.46	0.90	2.83	0.25	
11	6.13	8.25	7.61	451.67	898.13	228.42	36.17	4.32	2.46	1.51	2.83	0.20	
12	5.85	7.30	7.30	611.85	670.69	295.71	24.84	4.32	2.46	2.46	1.80	0.20	
13	5.58	5.85	7.00	380.76	502.34	295.71	20.49	4.08	2.28	1.80	1.38	0.25	
14	5.31	4.56	7.93	228.42	287.80	214.66	17.50	4.08	2.12	1.65	1.38	0.25	
15	5.31	4.32	9.26	569.51	415.46	242.62	15.64	4.08	2.12	1.51	1.25	0.20	
16	5.31	4.80	4.32	336.88	380.76	120.06	13.89	3.86	2.12	1.38	1.12	0.15	
17	5.05	7.00	6.13	311.86	242.62	96.14	12.24	3.64	2.12	1.25	0.90	0.20	
18	4.80	7.00	5.85	249.88	175.96	257.25	11.08	3.43	1.96	1.12	0.90	0.15	
19	4.80	22.61	8.25	214.66	130.38	451.67	10.33	3.43	1.96	1.01	0.79	0.20	
20	4.80	48.05	22.61	371.77	311.86	320.09	9.61	3.64	1.80	1.01	0.79	0.20	
21	4.56	100.71	22.61	451.67	175.96	201.33	9.26	3.64	1.80	1.01	0.79	0.15	
22	4.56	43.39	11.08	371.77	701.13	158.06	9.26	3.86	1.80	0.90	0.70	0.11	
23	4.32	19.47	8.25	371.77	188.43	152.31	8.58	4.56	1.80	0.90	0.70	0.11	
24	4.32	11.08	24.84	336.88	141.13	242.62	7.93	5.58	1.80	0.90	0.70	0.05	
25	4.32	8.92	17.50	249.88	100.71	115.07	7.61	5.31	1.80	0.90	0.61	0.05	
26	4.08	11.08	11.08	130.38	235.47	110.17	7.30	4.32	1.65	0.79	0.52	0.03	
27	4.08	19.47	8.92	135.70	87.33	70.97	7.93	5.31	1.65	0.90	0.52	0.03	
28	3.22	17.50	7.93	228.42	61.62	54.62	7.61	4.56	1.65	0.79	0.44	0.01	
29	4.08	46.47	9.61	105.39	67.15	54.62	7.00	4.08	1.65	0.70		0.03	
30	3.22	22.61	37.56	87.33	63.44	1340.32	6.41	3.64	1.51	0.70		1.38	
31		11.46		63.44	58.07		6.13		1.51	0.70		1.01	
Total	164.36	487.66	358.28	10468.85	9617.07	6859.23	1551.11	135.68	68.95	34.47	30.65	8.13	29784.44 Tonday
Mean	5.48	15.73	11.94	337.70	310.23	228.64	50.04	4.52	2.22	1.11	1.09	0.26	81.60 Ton/day
Max	7.61	100.71	37.56	816.38	1167.04	1340.32	476.67	5.85	3.43	2.46	2.83	1.38	1340.32 Ton/day
Min	3.22	2.83	4.32	15.64	44.92	52.94	6.13	3.43	1.51	0.70	0.44	0.01	0.01 Ton/day

WATER YEAR : 2022**EAST COAST - GULF BASIN****Chanthaburi River at Ban Tha Luang , Chanthaburi (Z.64)**

Lat 12 - 39 - 26 N Long 102 - 09 - 16 E

Location : on right bank at the bridge on highway.

	Ban Tha Luang	Amphoe Makham	Changwat Chanthaburi
Drainage Area	982 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2019-Cont'd		
Actual Measurement	2019-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	25		
R-Square	0.9317		
Remarks	Continued Sediment Station		

$$QS = 1.0517 QW^{1.42830}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	323.52	738.73	541.80	2117.80	2373.66	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	338.69	284.10	518.51	577.32	1621.17	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	484.14	412.17	565.40	390.74	1416.26	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	738.73	484.14	501.24	433.95	2667.98	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	766.77	535.95	535.95	390.74	1993.92	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	255.57	406.78	662.75	629.79	1004.24	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	234.01	428.47	1564.46	583.30	799.50	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	243.18	696.22	1621.17	2667.98	1004.24	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	227.96	704.66	1678.47	5088.58	541.80	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	189.80	1039.70	843.78	6071.21	637.98	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	164.65	877.46	1051.60	3479.34	637.98	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	218.97	945.98	3222.87	1272.57	671.07	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	170.14	1202.48	2728.07	696.22	423.02	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	148.49	1272.57	1016.02	621.63	264.98	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	184.12	1343.84	495.52	530.12	207.15	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	450.50	1697.70	747.33	738.73	234.01	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	472.85	1167.88	696.22	535.95	279.28	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	577.32	1016.02	489.82	1452.89	662.75	0.00	0.00	0.00	0.00	0.00	
19	0.00	110.38	559.48	922.97	417.59	4282.90	687.80	0.00	0.00	0.00	0.00	0.00	
20	0.00	443.12	467.23	1379.91	313.52	3942.02	535.95	0.00	0.00	0.00	0.00	0.00	
21	0.00	679.42	406.78	2089.91	444.96	2230.43	428.47	0.00	0.00	0.00	0.00	0.00	
22	0.00	535.95	343.80	1678.47	1004.24	1075.52	385.44	0.00	0.00	0.00	0.00	0.00	
23	0.00	506.97	390.74	788.55	713.13	934.45	380.16	0.00	0.00	0.00	0.00	0.00	
24	0.00	461.63	406.78	512.73	348.92	992.51	679.42	0.00	0.00	0.00	0.00	0.00	
25	0.00	390.74	484.14	461.63	957.55	738.73	605.40	0.00	0.00	0.00	0.00	0.00	
26	0.00	456.05	417.59	1004.24	1640.20	577.32	495.52	0.00	0.00	0.00	0.00	0.00	
27	0.00	461.63	369.66	832.65	1272.57	518.51	390.74	0.00	0.00	0.00	0.00	0.00	
28	0.00	506.97	328.56	843.78	489.82	888.77	308.56	0.00	0.00	0.00	0.00	0.00	
29	0.00	821.55	279.28	911.53	461.63	637.98	364.44	0.00	0.00	0.00		0.00	
30	0.00	571.35	417.59	621.63	832.65	2344.80	646.21	0.00	0.00	0.00		0.00	
31		535.95		553.57	832.65		589.30		0.00	0.00		0.00	
Total	0.00	6481.71	11061.04	27856.42	29210.41	47442.80	23938.40	0.00	0.00	0.00	0.00	0.00	145990.78 Tonday
Mean	0.00	209.09	368.70	898.59	942.27	1581.43	772.21	0.00	0.00	0.00	0.00	0.00	399.97 Ton/day
Max	0.00	821.55	766.77	2089.91	3222.87	6071.21	2667.98	0.00	0.00	0.00	0.00	0.00	6071.21 Ton/day
Min	0.00	0.00	148.49	284.10	313.52	390.74	207.15	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2022**EAST COAST - GULF BASIN****Khlong Prakaet at Ban Wang E-Aeang , Chanthaburi (Z.65)**

Lat 12 - 39 - 26 N Long 102 - 09 - 16 E

Location : on right bank at the bridge on highway.

	Ban Tha Luang	Amphoe Kaeng Hang Maeo	Changwat	Chanthaburi
Drainage Area	258 sq.km.			
Method of sampling	Depth Integrating			
Instrument Used	US.D-49			
Period of Available Records	2022-Cont'd			
Actual Measurement	2022-Cont'd			
Using Rating Curve Water Year	2022			
Number of observation	15			
R-Square	0.7987			
Remarks	Continued Sediment Station			

$$QS = 3.9941 QW^{1.08480}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	2.63	107.18	8.01	16.51	2.50	12.44	12.20	43.31	15.55	
2	0.00	0.00	0.00	2.50	115.61	14.82	15.31	2.50	11.97	13.63	31.95	17.24	
3	0.00	0.00	0.00	2.42	111.39	24.88	18.95	2.50	11.73	34.51	38.11	17.00	
4	0.00	0.00	0.00	2.42	107.18	4.21	19.44	2.50	11.50	61.31	15.31	17.24	
5	0.00	0.00	0.00	2.42	87.17	4.87	16.03	2.42	11.26	17.24	11.26	15.55	
6	0.00	0.00	0.00	2.42	60.78	4.21	15.06	2.50	11.03	24.38	12.68	14.11	
7	0.00	0.00	0.00	2.42	58.64	8.47	14.58	3.05	11.03	47.50	16.03	13.87	
8	0.00	0.00	0.00	5.75	59.17	49.61	14.58	11.26	10.79	30.94	13.87	15.06	
9	0.00	0.00	0.00	3.91	60.24	50.66	14.35	11.50	10.79	16.27	14.11	32.97	
10	0.00	0.00	0.00	3.56	58.64	55.44	9.86	10.56	10.79	11.73	13.87	41.75	
11	0.00	0.00	0.00	3.48	60.24	38.11	3.99	10.09	10.56	11.03	13.87	35.02	
12	0.00	0.00	0.00	6.65	59.71	36.05	3.35	9.86	10.56	11.03	13.87	48.55	
13	0.00	0.00	0.00	7.78	61.31	29.41	3.14	10.09	10.56	11.26	13.87	64.00	
14	0.00	0.00	0.00	5.75	58.64	41.75	3.05	10.09	10.09	11.03	14.11	26.39	
15	0.00	0.00	0.00	7.33	58.64	84.69	2.92	10.09	10.09	11.03	14.11	21.90	
16	0.00	0.00	0.00	8.01	61.31	42.27	2.92	10.09	10.09	11.03	14.11	45.40	
17	0.00	0.00	0.00	16.03	49.61	90.48	2.84	10.09	9.86	10.79	14.35	28.91	
18	0.00	0.00	0.00	20.42	36.05	109.71	2.84	9.86	10.09	10.32	14.35	14.11	
19	0.00	0.00	14.11	34.00	35.54	63.46	2.84	10.32	10.56	11.26	14.11	13.87	
20	0.00	0.00	19.93	39.15	35.02	39.67	2.71	13.63	10.32	14.11	18.46	14.58	
21	0.00	0.00	16.75	32.97	39.15	40.19	2.71	13.87	10.09	17.24	38.11	16.03	
22	0.00	0.00	15.79	8.70	16.75	40.19	2.71	12.44	10.09	23.89	35.54	18.95	
23	0.00	0.00	15.79	8.01	3.35	49.08	2.63	11.97	9.86	17.48	16.03	22.89	
24	0.00	0.00	10.32	20.91	4.65	60.24	2.63	12.91	9.39	12.68	10.56	22.39	
25	0.00	0.00	3.26	61.85	4.43	58.64	2.50	14.35	9.16	12.20	9.39	22.39	
26	0.00	0.00	3.05	74.02	18.95	58.64	2.63	13.87	8.70	10.32	8.70	22.89	
27	0.00	0.00	3.14	110.55	53.31	84.69	2.92	12.91	10.79	11.26	8.24	20.91	
28	0.00	0.00	2.71	120.69	39.15	115.61	2.71	12.68	17.97	12.44	13.87	26.39	
29	0.00	0.00	2.50	111.39	38.11	77.29	2.63	13.15	18.46	16.27		30.94	
30	0.00	0.00	2.71	112.23	38.11	17.24	2.50	13.15	18.46	41.75		26.39	
31		0.00		107.18	34.51		2.50		15.55	54.90		33.49	
Total	0.00	0.00	110.06	947.55	1632.54	1402.59	214.34	286.80	354.63	613.03	496.15	776.73	6834.42 Tonday
Mean	0.00	0.00	3.67	30.57	52.66	46.75	6.91	9.56	11.44	19.78	17.72	25.06	18.72 Ton/day
Max	0.00	0.00	19.93	120.69	115.61	115.61	19.44	14.35	18.46	61.31	43.31	64.00	120.69 Ton/day
Min	0.00	0.00	0.00	2.42	3.35	4.21	2.50	2.42	8.70	10.32	8.24	13.87	0.00 Ton/day

WATER YEAR : 2022**PHETCHABURI RIVER BASIN****Phetchaburi River at Ban Song Phi Nong , Phetchaburi (B.3A)**

Lat 12 - 51 - 49 N Long 99 - 40 - 42 E

Location : on left bank at Ban Song Phi Nong.

	Ban	Song Phi Nong	Amphoe	Kaeng Krachan	Changwat	Phetchaburi
Drainage Area	2,226	sq.km.				
Method of sampling	Depth	Integrating				
Instrument Used	US.D-49					
Period of Available Records	1997-Cont'd					
Actual Measurement	1997-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	20					
R-Square	0.7388					
Remarks	Continued Sediment Station					

$$QS = 0.6432 QW^{1.76240}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	516.91	537.56	104.87	64.82	364.53	70.77	37.88	265.63	37.88	70.77	14.16	273.35	
2	537.56	527.19	62.34	64.82	373.37	126.26	121.85	265.63	41.93	81.49	14.16	305.19	
3	537.56	558.55	130.75	67.34	382.31	250.47	139.92	265.63	70.77	44.02	15.26	221.32	
4	409.67	558.55	159.06	67.34	289.08	200.49	149.36	400.46	74.27	41.93	15.26	258.00	
5	164.01	527.19	164.01	67.34	273.35	200.49	89.00	476.67	77.84	39.88	12.12	200.49	
6	760.51	569.18	117.50	64.82	273.35	200.49	48.34	447.42	39.88	70.77	14.16	179.26	
7	747.26	569.18	89.00	67.34	273.35	207.34	46.16	281.17	39.88	74.27	14.16	330.06	
8	548.01	476.67	104.87	64.82	297.09	207.34	46.16	265.63	39.88	96.79	15.26	364.53	
9	527.19	347.11	96.79	70.77	214.28	109.01	55.15	313.39	62.34	104.87	13.10	289.08	
10	527.19	273.35	62.34	74.27	305.19	74.27	48.34	373.37	74.27	52.84	16.35	281.17	
11	527.19	200.49	59.90	67.34	273.35	85.21	48.34	382.31	77.84	44.02	16.35	281.17	
12	527.19	195.09	59.90	64.82	273.35	135.30	46.16	382.31	64.82	39.88	15.26	281.17	
13	527.19	159.06	59.90	62.34	273.35	273.35	46.16	382.31	32.13	67.34	16.35	281.17	
14	527.19	154.18	62.34	64.82	273.35	330.06	37.88	297.09	30.31	77.84	15.26	273.35	
15	537.56	154.18	59.90	64.82	273.35	305.19	44.02	200.49	39.88	77.84	15.26	273.35	
16	537.56	154.18	62.34	64.82	281.17	189.75	41.93	109.01	37.88	77.84	13.10	265.63	
17	537.56	154.18	62.34	64.82	228.46	139.92	41.93	228.46	67.34	77.84	16.35	330.06	
18	548.01	159.06	62.34	64.82	195.09	81.49	41.93	184.47	64.82	81.49	104.87	338.54	
19	548.01	159.06	62.34	64.82	200.49	70.77	41.93	184.47	41.93	81.49	135.30	338.54	
20	548.01	159.06	62.34	64.82	154.18	64.82	70.77	195.09	37.88	81.49	92.86	330.06	
21	623.62	121.85	70.77	70.77	154.18	109.01	214.28	184.47	41.93	81.49	100.79	330.06	
22	558.55	109.01	55.15	62.34	135.30	109.01	281.17	77.84	39.88	81.49	135.30	265.63	
23	558.55	89.00	62.34	64.82	214.28	135.30	273.35	44.02	37.88	85.21	121.85	258.00	
24	558.55	67.34	64.82	64.82	289.08	130.75	265.63	41.93	64.82	35.92	121.85	250.47	
25	558.55	67.34	67.34	64.82	289.08	130.75	258.00	39.88	74.27	10.17	92.86	250.47	
26	537.56	64.82	67.34	64.82	221.32	104.87	258.00	39.88	41.93	8.41	50.57	250.47	
27	537.56	62.34	59.90	67.34	74.27	50.57	265.63	39.88	39.88	9.29	64.82	250.47	
28	537.56	59.90	64.82	64.82	70.77	41.93	174.11	39.88	39.88	8.41	64.82	250.47	
29	527.19	62.34	64.82	67.34	74.27	39.88	113.22	37.88	39.88	6.03		258.00	
30	506.72	62.34	64.82	67.34	70.77	37.88	121.85	37.88	67.34	10.17		258.00	
31		62.34		273.35	70.77		200.49		74.27	13.10		265.63	
Total	16145.75	7421.69	2347.29	2254.50	7136.13	4212.74	3668.94	6484.55	1615.73	1734.39	1337.81	8583.16	62942.68 Tonday
Mean	538.19	239.41	78.24	72.73	230.20	140.42	118.35	216.15	52.12	55.95	47.78	276.88	172.45 Ton/day
Max	760.51	569.18	164.01	273.35	382.31	330.06	281.17	476.67	77.84	104.87	135.30	364.53	760.51 Ton/day
Min	164.01	59.90	55.15	62.34	70.77	37.88	37.88	37.88	30.31	6.03	12.12	179.26	6.03 Ton/day

WATER YEAR : 2022**PHETCHABURI RIVER BASIN****Huai Mae Prachan at at Saphan Tha Kewiyn (Ban Wang Chan) , Phetchaburi (B.6A)**

Lat 12 - 57 - 50 N Long 99 - 45 - 52 E

Location : on left bank about 250 meters upstream from the bridge of Khuan Phet - Kaeng Krachan Reservoir Road.

	Ban	Saphan Tha Kewiyn (Wang Chan)	Amphoe	Kaeng Krachan	Changwat	Phetchaburi
Drainage Area	969	sq.km.				
Method of sampling	Depth	Integrating				
Instrument Used	US.D-49					
Period of Available Records	2017-Cont'd					
Actual Measurement	2017-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	17					
R-Square	0.9050					
Remarks	Continued Sediment Station					

$$QS = 5.6563 QW^{1.36420}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	31.85	26.48	41.37	104.82	94.86	139.84	336.82	37.49	23.04	5.27	53.62	4.90	
2	21.38	24.74	37.49	99.81	94.86	130.84	336.82	35.58	21.38	5.27	53.62	4.90	
3	21.38	23.04	45.36	99.81	94.86	99.81	336.82	33.70	19.74	5.66	53.62	4.90	
4	21.38	21.38	53.62	94.86	104.82	85.17	414.84	31.85	19.74	6.84	49.44	4.90	
5	21.38	19.74	41.37	99.81	99.81	85.17	441.78	23.04	18.14	16.58	49.44	4.90	
6	19.74	19.74	35.58	94.86	89.98	80.43	414.84	26.48	18.14	10.74	49.44	4.53	
7	19.74	19.74	33.70	99.81	62.23	109.90	414.84	26.48	18.14	8.09	49.44	4.90	
8	19.74	26.48	35.58	99.81	30.03	525.25	414.84	26.48	16.58	8.09	49.44	4.90	
9	19.74	31.85	33.70	66.66	41.37	455.42	414.84	31.85	12.14	6.84	45.36	4.90	
10	19.74	33.70	31.85	35.58	80.43	207.05	711.44	35.58	12.14	8.09	45.36	4.53	
11	19.74	89.98	24.74	31.85	80.43	104.82	1350.50	33.70	13.58	9.39	41.37	5.27	
12	19.74	125.51	16.58	30.03	75.76	94.86	1915.04	33.70	21.38	6.84	37.49	4.90	
13	18.14	139.84	16.58	28.24	75.76	99.81	2025.48	31.85	15.06	5.66	35.58	4.90	
14	18.14	120.25	16.58	24.74	80.43	197.03	1709.84	26.48	15.06	8.09	26.48	5.27	
15	18.14	104.82	21.38	23.04	158.32	401.54	1419.19	23.04	13.58	8.09	19.74	4.90	
16	16.58	104.82	21.38	23.04	109.90	401.54	996.68	23.04	12.14	6.84	23.04	4.90	
17	13.58	99.81	19.74	23.04	89.98	401.54	831.80	21.38	10.74	6.84	16.58	4.53	
18	13.58	125.51	23.04	23.04	75.76	388.35	612.42	19.74	10.74	6.84	10.74	4.53	
19	16.58	158.32	24.74	21.38	71.17	375.29	612.42	19.74	10.74	6.84	9.39	4.17	
20	16.58	217.21	26.48	24.74	49.44	336.82	115.04	19.74	10.74	5.66	8.09	4.17	
21	15.06	291.73	28.24	31.85	28.24	314.06	66.66	18.14	9.39	6.84	5.66	4.17	
22	13.58	314.06	33.70	31.85	24.74	314.06	57.88	18.14	9.39	5.66	9.39	4.17	
23	13.58	388.35	31.85	30.03	21.38	539.53	53.62	18.14	9.39	5.66	5.66	4.53	
24	16.58	325.39	31.85	31.85	21.38	455.42	45.36	24.74	6.84	5.66	4.90	3.82	
25	13.58	280.73	31.85	33.70	33.70	483.03	41.37	37.49	5.27	5.66	4.90	3.82	
26	15.06	237.89	33.70	31.85	94.86	711.44	35.58	31.85	5.66	5.66	5.27	3.82	
27	18.14	207.05	66.66	33.70	104.82	525.25	45.36	37.49	8.09	33.70	5.27	3.82	
28	15.06	197.03	62.23	85.17	130.84	349.52	89.98	35.58	6.84	75.76	5.27	3.82	
29	28.24	109.90	62.23	104.82	187.14	291.73	62.23	26.48	5.27	62.23		6.84	
30	24.74	75.76	109.90	115.04	177.39	336.82	53.62	24.74	5.27	57.88		19.74	
31		62.23		94.86	149.00		41.37		5.27	57.88		12.14	
Total	560.49	4023.08	1093.07	1773.69	2633.69	9041.34	16419.32	833.73	389.62	475.15	773.60	166.49	38183.27 Tonday
Mean	18.68	129.78	36.44	57.22	84.96	301.38	529.66	27.79	12.57	15.33	27.63	5.37	104.61 Ton/day
Max	31.85	388.35	109.90	115.04	187.14	711.44	2025.48	37.49	23.04	75.76	53.62	19.74	2025.48 Ton/day
Min	13.58	19.74	16.58	21.38	21.38	80.43	35.58	18.14	5.27	5.27	4.90	3.82	3.82 Ton/day

WATER YEAR : 2022**PHETCHABURI RIVER BASIN****Phetchaburi River at Ban Sarahed , Phetchaburi (B.9)**

Lat 12 - 48 - 22 N Long 99 - 46 - 13 E

Location : on left bank at Ban Sarahed.

	Ban Sarahed	Amphoe	Tha Yang	Changwat	Phetchaburi
Drainage Area	2,602 sq.km.				
Method of sampling	Depth Integrating				
Instrument Used	US.D-49				
Period of Available Records	2008-Cont'd				
Actual Measurement	2008-Cont'd				
Using Rating Curve Water Year	2022				
Number of observation	20				
R-Square	0.6561				
Remarks	Continued Sediment Station				

$$QS = 0.5366 QW^{1.69220}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	242.85	281.70	46.68	59.13	204.33	59.13	45.28	218.46	121.17	68.10	16.23	138.30	
2	237.89	275.84	92.71	59.13	218.46	59.13	68.10	218.46	87.54	68.10	16.79	190.59	
3	247.86	281.70	38.53	56.98	228.09	149.03	114.58	223.25	108.14	56.98	17.35	168.57	
4	242.85	281.70	95.71	59.13	190.59	131.34	168.57	252.91	160.07	42.53	17.92	168.57	
5	68.10	264.27	95.71	56.98	164.30	134.80	149.03	390.21	164.30	42.53	16.23	160.07	
6	330.37	293.57	95.71	54.85	160.07	138.30	101.85	343.03	149.03	50.70	15.69	108.14	
7	349.44	305.64	68.10	54.85	160.07	145.42	90.11	264.27	264.27	65.81	17.35	209.00	
8	287.61	275.84	68.10	56.98	164.30	160.07	75.15	228.09	412.66	65.81	21.48	228.09	
9	247.86	218.46	70.42	56.98	121.17	134.80	209.00	237.89	435.62	111.34	21.48	204.33	
10	252.91	195.13	52.76	56.98	195.13	72.77	336.68	293.57	817.27	54.85	21.48	190.59	
11	252.91	149.03	46.68	54.85	156.36	70.42	232.97	293.57	784.78	42.53	22.10	195.13	
12	258.56	145.42	45.28	56.98	156.36	75.15	145.42	293.57	646.18	42.53	22.10	195.13	
13	264.27	98.76	48.67	54.85	156.36	181.65	56.98	299.58	682.96	48.67	21.48	195.13	
14	270.03	111.34	48.67	54.85	156.36	242.85	63.55	287.61	619.14	61.33	22.10	186.10	
15	270.03	108.14	50.70	56.98	160.07	204.33	80.01	270.03	228.09	63.55	22.10	181.65	
16	270.03	111.34	54.85	56.98	156.36	164.30	70.42	160.07	46.68	63.55	21.48	186.10	
17	270.03	108.14	56.98	56.98	134.80	117.85	65.81	204.33	54.85	63.55	21.48	204.33	
18	275.84	108.14	65.81	54.85	134.80	92.71	61.33	168.57	72.77	63.55	46.68	218.46	
19	281.70	108.14	54.85	54.85	131.34	72.77	56.98	181.65	61.33	65.81	80.01	213.71	
20	275.84	108.14	56.98	54.85	131.34	70.42	54.85	186.10	45.28	65.81	65.81	213.71	
21	270.03	80.01	61.33	56.98	92.71	72.77	160.07	218.46	43.89	65.81	70.42	213.71	
22	287.61	85.00	65.81	59.13	90.11	111.34	237.89	164.30	43.89	65.81	85.00	190.59	
23	287.61	87.54	59.13	59.13	114.58	127.91	228.09	131.34	43.89	65.81	82.49	177.25	
24	287.61	68.10	65.81	59.13	164.30	121.17	228.09	75.15	52.76	52.76	80.01	172.89	
25	287.61	45.28	87.54	56.98	181.65	117.85	228.09	77.57	70.42	19.67	75.15	172.89	
26	275.84	50.70	72.77	54.85	195.13	117.85	223.25	101.85	59.13	14.62	39.85	177.25	
27	281.70	48.67	95.71	54.85	72.77	82.49	270.03	134.80	43.89	12.09	52.76	172.89	
28	270.03	48.67	75.15	54.85	65.81	45.28	242.85	134.80	43.89	14.62	52.76	177.25	
29	275.84	48.67	65.81	56.98	63.55	48.67	164.30	131.34	42.53	13.08		177.25	
30	252.91	46.68	61.33	56.98	63.55	46.68	177.25	131.34	50.70	11.60		181.65	
31		46.68		114.58	61.33		186.10		65.81	15.15		181.65	
Total	7973.77	4486.44	1964.29	1813.45	4446.15	3369.25	4592.68	6316.17	6522.93	1558.65	1065.78	5750.97	49860.53 Tonday
Mean	265.79	144.72	65.48	58.50	143.42	112.31	148.15	210.54	210.42	50.28	38.06	185.52	136.60 Ton/day
Max	349.44	305.64	95.71	114.58	228.09	242.85	336.68	390.21	817.27	111.34	85.00	228.09	817.27 Ton/day
Min	68.10	45.28	38.53	54.85	61.33	45.28	45.28	75.15	42.53	11.60	15.69	108.14	11.60 Ton/day

WATER YEAR : 2022**PHETCHABURI RIVER BASIN****Phetchaburi River at Ban Tha Yang , Phetchaburi (B.10)**

Lat 12 - 58 - 26 N Long 99 - 53 - 16 E

Location : on left bank at the bridge of Ban Tha Yang.

	Ban Tha Yang	Amphoe Tha Yang	Changwat Phetchaburi
Drainage Area	4,057 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1997-Cont'd		
Actual Measurement	1997-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.7648		
Remarks	Continued Sediment Station		

$$QS = 0.7129 QW^{1.61330}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	16.46	17.61	13.71	53.29	29.98	24.47	31.42	15.89	10.67	7.50	5.63	7.93	
2	14.24	20.01	12.66	49.78	17.61	18.80	24.47	17.61	8.36	9.26	5.38	27.17	
3	13.18	21.88	23.81	45.52	17.03	15.34	26.48	15.34	6.41	10.19	5.38	21.25	
4	15.34	21.25	12.15	42.22	31.42	28.56	55.99	12.66	8.36	11.15	5.38	7.93	
5	13.71	20.62	27.17	41.40	43.03	34.38	268.42	20.01	12.66	9.26	5.63	4.89	
6	5.88	18.80	35.90	39.80	35.90	33.63	328.29	53.29	14.79	10.19	5.38	4.42	
7	10.19	21.25	32.89	38.22	29.26	34.38	252.17	61.52	9.72	13.71	5.38	3.13	
8	26.48	27.17	25.81	39.01	20.62	45.52	241.55	31.42	5.88	15.89	5.38	7.93	
9	23.81	33.63	21.88	39.80	14.24	113.75	133.33	7.93	5.13	15.34	5.38	13.71	
10	14.79	43.86	21.25	42.22	10.19	107.49	389.46	9.26	8.36	27.86	5.38	12.66	
11	13.71	42.22	15.89	37.44	21.88	36.67	1218.73	20.01	17.03	15.34	5.38	10.19	
12	13.18	37.44	12.15	33.63	20.01	13.71	1692.97	26.48	21.25	10.19	5.38	6.14	
13	13.71	37.44	10.67	32.89	18.20	8.81	1844.48	28.56	23.16	7.93	5.38	5.88	
14	15.34	29.98	10.67	31.42	17.61	20.62	1066.67	32.15	17.03	8.36	5.38	5.88	
15	15.89	23.81	12.15	28.56	20.01	58.73	533.99	61.52	9.72	12.66	5.38	5.63	
16	15.89	19.40	14.24	27.17	31.42	81.37	262.96	77.24	7.50	15.34	5.38	6.67	
17	15.89	17.61	18.20	20.62	37.44	69.21	140.12	28.56	7.08	15.89	5.38	9.26	
18	16.46	18.80	21.88	17.03	32.89	48.06	133.33	26.48	9.26	15.89	5.13	8.81	
19	21.25	24.47	27.86	15.34	30.69	34.38	107.49	25.13	14.24	15.34	5.13	10.67	
20	24.47	25.81	24.47	12.66	32.89	23.16	49.78	25.81	12.66	15.89	4.66	11.15	
21	24.47	33.63	22.51	12.66	24.47	13.18	13.71	27.86	7.93	15.34	10.19	9.72	
22	21.88	40.60	28.56	13.71	10.19	13.18	13.18	43.86	6.14	15.89	14.24	7.93	
23	24.47	63.41	48.92	14.79	7.08	39.01	25.81	36.67	5.88	15.89	18.20	5.63	
24	24.47	90.98	55.99	14.79	8.81	65.32	29.26	20.62	5.63	15.89	20.62	4.42	
25	23.16	77.24	55.08	14.24	17.03	65.32	32.89	26.48	6.67	12.15	20.62	4.20	
26	20.62	58.73	75.20	12.66	31.42	63.41	21.88	40.60	10.67	3.97	18.80	3.54	
27	17.03	48.06	63.41	11.15	62.46	110.61	15.89	37.44	9.72	2.54	8.36	3.13	
28	15.34	40.60	74.19	10.67	40.60	82.42	56.89	35.13	6.14	5.88	7.50	3.33	
29	20.62	35.13	66.29	14.24	32.15	38.22	104.41	25.13	4.89	6.41		3.75	
30	20.62	24.47	54.18	15.89	35.90	22.51	45.52	15.89	4.20	5.88		4.20	
31		17.03		17.61	32.89		18.80		4.89	5.63		5.63	
Total	532.55	1052.94	939.74	840.43	815.32	1364.22	9180.34	906.55	302.03	368.65	225.41	246.78	16774.96 Tonday
Mean	17.75	33.97	31.32	27.11	26.30	45.47	296.14	30.22	9.74	11.89	8.05	7.96	45.96 Ton/day
Max	26.48	90.98	75.20	53.29	62.46	113.75	1844.48	77.24	23.16	27.86	20.62	27.17	1844.48 Ton/day
Min	5.88	17.03	10.67	10.67	7.08	8.81	13.18	7.93	4.20	2.54	4.66	3.13	2.54 Ton/day

WATER YEAR : 2022**WEST COAST - GULF BASIN****Khlong Thap Sakae at Ban Klang , Prachuap Khiri Khan (Gt.9)**

Lat 11 - 29 - 48 N Long 99 - 36 - 09 E

Location : on right bank at Ban Klang.

	Ban Klang	Amphoe Thap Sakae	Changwat Prachuap Khiri Khan
Drainage Area	143 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	24		
R-Square	0.9163		
Remarks	Continued Sediment Station		

$$QS = 14.9900 QW^{1.18230}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	11.01	5.83	59.08	33.01	29.25	18.41	23.64	36.85	16.60	42.62	23.64	1.97	
2	9.50	18.41	70.63	33.01	31.02	20.07	16.60	36.85	16.60	42.62	23.64	1.97	
3	8.68	16.60	85.48	36.85	46.60	59.08	16.60	36.85	16.60	42.62	23.64	1.97	
4	8.68	10.17	67.71	36.85	38.69	53.43	38.69	36.85	16.60	42.62	23.64	1.97	
5	8.03	11.68	64.81	34.82	34.82	44.71	161.81	36.85	564.44	42.62	23.64	1.97	
6	7.23	46.60	56.24	33.01	36.85	38.69	762.06	36.85	557.01	42.62	23.64	1.97	
7	7.23	106.95	53.43	31.02	48.72	36.85	1313.37	36.85	217.34	42.62	18.41	1.97	
8	7.23	466.01	48.72	31.02	34.82	73.56	439.64	36.85	113.22	42.62	11.68	1.97	
9	6.61	1374.70	50.64	34.82	36.85	48.72	187.69	23.64	79.49	42.62	5.22	1.97	
10	6.61	1175.02	46.60	40.75	36.85	36.85	142.06	16.60	61.94	33.01	3.90	1.97	
11	6.61	466.01	46.60	38.69	91.54	29.25	119.54	16.60	48.72	23.64	3.90	1.97	
12	6.61	196.09	48.72	42.62	97.66	21.94	100.74	16.60	40.75	23.64	3.90	1.97	
13	6.61	125.91	44.71	42.62	70.63	33.01	76.52	16.60	34.82	23.64	3.90	2.64	
14	6.61	91.54	40.75	44.71	56.24	36.85	70.63	16.60	29.25	23.64	3.90	13.23	
15	6.61	70.63	33.01	40.75	48.72	23.64	79.49	16.60	44.71	23.64	3.19	14.99	
16	5.83	59.08	33.01	38.69	36.85	20.07	56.24	20.07	56.24	23.64	2.64	14.99	
17	5.83	46.60	56.24	34.82	33.01	18.41	44.71	50.64	46.60	23.64	2.64	14.99	
18	5.83	56.24	119.54	31.02	31.02	16.60	46.60	42.62	42.62	23.64	2.64	3.90	
19	6.61	79.49	59.08	33.01	29.25	16.60	44.71	18.41	42.62	23.64	2.64	1.97	
20	5.83	59.08	46.60	36.85	29.25	13.23	40.75	16.60	42.62	23.64	2.64	1.97	
21	5.83	59.08	40.75	85.48	25.55	13.23	61.94	16.60	42.62	23.64	2.64	1.97	
22	5.83	256.39	36.85	53.43	25.55	12.54	217.34	16.60	42.62	23.64	1.97	1.97	
23	5.83	520.99	34.82	40.75	27.29	11.01	106.95	33.01	42.62	23.64	1.97	1.97	
24	5.83	196.09	34.82	36.85	21.94	9.50	79.49	33.01	42.62	23.64	1.97	1.97	
25	5.83	138.81	33.01	33.01	16.60	12.54	64.81	20.07	42.62	23.64	1.97	1.97	
26	5.83	106.95	38.69	31.02	14.99	25.55	48.72	64.81	42.62	23.64	1.97	1.97	
27	5.83	88.50	48.72	29.25	20.07	18.41	40.75	38.69	42.62	23.64	1.97	1.97	
28	5.83	85.48	50.64	27.29	21.94	18.41	79.49	21.94	42.62	23.64	1.97	1.97	
29	5.83	82.48	46.60	31.02	33.01	27.29	59.08	16.60	42.62	23.64		1.97	
30	5.83	70.63	36.85	42.62	31.02	31.02	38.69	16.60	42.62	23.64		1.97	
31		61.94		31.02	21.94		36.85		42.62	23.64		1.97	
Total	202.09	6149.98	1533.35	1170.68	1158.54	839.47	4616.20	844.31	2557.61	913.03	229.47	113.99	20328.72 Tonday
Mean	6.74	198.39	51.11	37.76	37.37	27.98	148.91	28.14	82.50	29.45	8.20	3.68	55.70 Ton/day
Max	11.01	1374.70	119.54	85.48	97.66	73.56	1313.37	64.81	564.44	42.62	23.64	14.99	1374.70 Ton/day
Min	5.83	5.83	33.01	27.29	14.99	9.50	16.60	16.60	16.60	23.64	1.97	1.97	1.97 Ton/day

WATER YEAR : 2022**WEST COAST - GULF BASIN****Khlong Krut at Ban Nong Ya Plong , Prachuap Khiri Khan (Gt.10)**

Lat 11 - 24 - 15 N Long 99 - 31 - 09 E

Location : on right bank at the bridge of Phet Kasem Highway near the guidepost 379.

	Ban	Nong Ya Plong	Amphoe	Bang Saphan	Changwat	Prachuap Khiri Khan
Drainage Area	112	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1998-Cont'd					
Actual Measurement	1998-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	20					
R-Square	0.9341					
Remarks	Continued Sediment Station					

$$QS = 23.2330 QW^{1.12140}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	150.77	150.77	139.02	227.53	56.25	73.71	67.84	47.72	34.97	8.08	4.69	2.16	
2	134.91	267.92	146.94	237.56	82.63	131.14	50.55	41.57	30.11	7.39	4.69	3.40	
3	131.14	146.94	115.53	237.56	103.82	103.82	43.24	38.25	28.50	9.49	4.04	2.77	
4	123.31	111.51	103.82	247.64	73.71	56.25	56.25	36.61	34.97	9.49	4.69	3.40	
5	119.26	100.76	88.63	242.59	62.01	50.55	202.67	34.97	374.50	7.39	6.02	2.16	
6	111.51	154.92	97.71	232.54	82.63	44.91	484.14	38.25	355.89	6.70	6.02	2.16	
7	107.81	412.36	88.63	103.82	202.67	59.12	1421.73	39.91	162.94	6.02	6.02	2.16	
8	103.82	1550.45	94.67	44.91	107.81	64.92	386.84	34.97	94.67	5.35	5.35	3.40	
9	97.71	1593.63	94.67	50.55	119.26	56.25	197.74	33.34	67.84	7.39	4.69	6.02	
10	97.71	1056.44	53.39	70.77	127.06	47.72	150.77	30.11	56.25	7.39	4.69	6.02	
11	94.67	1198.03	47.72	73.71	399.23	41.57	139.02	26.91	44.91	19.11	4.04	6.02	
12	91.64	759.06	47.72	119.26	307.26	41.57	103.82	26.91	39.91	16.07	4.04	6.02	
13	85.62	355.89	47.72	100.76	162.94	38.25	88.63	20.64	34.97	14.58	4.04	7.39	
14	82.63	242.59	47.72	111.51	119.26	36.61	142.82	23.75	30.11	11.64	3.40	10.92	
15	79.64	267.92	47.72	91.64	94.67	34.97	115.53	64.92	28.50	8.78	4.04	26.91	
16	79.64	183.01	47.72	82.63	85.62	33.34	76.67	217.55	22.19	7.39	4.04	10.20	
17	79.64	142.82	47.72	82.63	79.64	33.34	67.84	107.81	16.07	6.70	4.69	6.70	
18	79.64	237.56	47.72	64.92	76.67	31.72	88.63	76.67	19.11	5.35	4.04	4.04	
19	79.64	174.89	47.72	59.12	67.84	33.34	73.71	50.55	25.33	6.02	4.04	3.40	
20	79.64	127.06	47.72	158.77	64.92	41.57	91.64	111.51	19.11	5.35	4.04	3.40	
21	79.64	158.77	47.72	399.23	64.92	38.25	103.82	56.25	17.58	5.35	3.40	2.77	
22	76.67	1969.89	47.72	162.94	67.84	31.72	586.58	43.24	17.58	5.35	3.40	2.16	
23	76.67	1280.17	47.72	107.81	59.12	31.72	331.48	115.53	16.07	4.69	3.40	2.16	
24	76.67	484.14	47.72	88.63	50.55	30.11	187.91	73.71	12.37	4.69	2.77	2.16	
25	76.67	301.41	47.72	79.64	56.25	34.97	139.02	43.24	10.92	4.69	2.77	2.16	
26	73.71	217.55	47.72	70.77	53.39	59.12	119.26	103.82	10.92	4.69	4.04	2.16	
27	76.67	192.82	47.72	64.92	53.39	43.24	91.64	62.01	10.20	4.69	5.35	2.16	
28	76.67	222.54	47.72	62.01	47.72	64.92	85.62	44.91	9.49	5.35	3.40	2.16	
29	76.67	166.81	47.72	67.84	82.63	53.39	70.77	39.91	8.78	6.02		2.77	
30	79.64	139.02	123.31	88.63	64.92	53.39	59.12	36.61	8.08	5.35		3.40	
31		127.06		59.12	50.55		56.25		8.08	5.35		2.16	
Total	2780.03	14494.71	2053.00	3891.96	3127.18	1495.50	5881.55	1722.15	1650.92	231.90	119.84	144.87	37593.61 Tonday
Mean	92.67	467.57	68.43	125.55	100.88	49.85	189.73	57.41	53.26	7.48	4.28	4.67	103.00 Ton/day
Max	150.77	1969.89	146.94	399.23	399.23	131.14	1421.73	217.55	374.50	19.11	6.02	26.91	1969.89 Ton/day
Min	73.71	100.76	47.72	44.91	47.72	30.11	43.24	20.64	8.08	4.69	2.77	2.16	2.16 Ton/day

WATER YEAR : 2022**WEST COAST - GULF BASIN****Khlong Yai at Ban Chang Laek , Prachuap Khiri Khan (Gt.11)**

Lat 11 - 03 - 52 N Long 99 - 22 - 20 E

Location : on right bank at the bridge of Phet Kasem Highway near the guidepost 423.

	Ban Chang Laek	Amphoe Bang Saphan Noi	Changwat Prachuap Khiri Khan
Drainge Area	58 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1998-Cont'd		
Actual Measurement	1998-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.9171		
Remarks	Continued Sediment Station		

$$QS = 9.0575 QW^{1.73170}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	47.38	25.06	64.25	6.15	16.22	53.87	32.73	95.62	12.42	30.08	27.52	27.52	
2	38.32	25.06	53.87	7.55	27.52	67.89	32.73	89.76	9.06	30.08	27.52	25.06	
3	30.08	22.70	44.27	7.55	27.52	64.25	73.11	89.76	53.87	30.08	27.52	27.52	
4	25.06	22.70	41.25	7.55	16.22	47.38	47.38	89.76	391.35	27.52	27.52	27.52	
5	22.70	32.73	35.48	7.55	16.22	47.38	224.24	89.76	5825.03	27.52	27.52	27.52	
6	20.44	114.15	32.73	6.15	14.27	44.27	1131.99	95.62	1823.42	27.52	27.52	27.52	
7	20.44	213.40	27.52	6.15	20.44	44.27	929.29	159.47	1223.99	27.52	27.52	27.52	
8	20.44	1102.00	25.06	6.15	14.27	44.27	235.31	194.69	376.08	27.52	27.52	27.52	
9	20.44	1102.00	25.06	6.15	14.27	44.27	101.64	84.05	185.61	27.52	27.52	27.52	
10	20.44	789.78	22.70	12.42	16.22	41.25	107.82	84.05	107.82	27.52	27.52	27.52	
11	20.44	1014.09	22.70	25.06	44.27	41.25	73.11	84.05	67.89	27.52	27.52	9.06	
12	44.27	1162.32	22.70	84.05	38.32	41.25	57.25	84.05	50.58	27.52	27.52	0.46	
13	22.70	488.32	22.70	53.87	38.32	50.58	53.87	78.50	41.25	27.52	27.52	0.46	
14	22.70	224.24	22.70	38.32	44.27	41.25	73.11	78.50	32.73	27.52	27.52	0.01	
15	22.70	306.38	27.52	27.52	38.32	41.25	53.87	107.82	25.06	27.52	27.52	0.00	
16	20.44	185.61	25.06	18.28	38.32	41.25	53.87	235.31	20.44	27.52	38.32	0.00	
17	20.44	114.15	35.48	14.27	41.25	38.32	53.87	151.13	27.52	27.52	30.08	0.00	
18	20.44	84.05	32.73	12.42	38.32	38.32	224.24	73.11	44.27	27.52	27.52	0.00	
19	20.44	73.11	25.06	10.68	35.48	38.32	127.26	50.58	38.32	27.52	27.52	0.00	
20	20.44	60.71	25.06	16.22	35.48	38.32	135.03	38.32	35.48	27.52	27.52	0.00	
21	20.44	73.11	25.06	27.52	35.48	38.32	95.62	30.08	35.48	27.52	27.52	0.00	
22	20.44	789.78	9.06	16.22	35.48	38.32	331.81	22.70	32.73	27.52	27.52	0.00	
23	22.70	1014.09	9.06	12.42	35.48	35.48	235.31	50.58	30.08	27.52	25.06	0.17	
24	22.70	406.88	10.68	12.42	32.73	32.73	135.03	50.58	30.08	27.52	27.52	0.17	
25	22.70	224.24	10.68	12.42	32.73	41.25	89.76	27.52	30.08	27.52	27.52	0.17	
26	41.25	159.47	10.68	10.68	32.73	32.73	78.50	107.82	30.08	27.52	27.52	0.11	
27	27.52	127.26	10.68	10.68	32.73	32.73	73.11	41.25	30.08	27.52	27.52	0.11	
28	22.70	101.64	10.68	20.44	41.25	32.73	73.11	30.08	30.08	27.52	27.52	0.11	
29	22.70	84.05	9.06	41.25	101.64	32.73	1192.98	22.70	30.08	30.08		0.11	
30	27.52	64.25	7.55	27.52	50.58	32.73	235.31	16.22	30.08	27.52		0.17	
31		57.25		16.22	47.38		101.64		30.08	27.52		7.55	
Total	751.42	10264.58	747.09	581.85	1053.73	1258.96	6463.90	2453.44	10731.12	863.36	781.46	291.40	36242.31 Tonday
Mean	25.05	331.12	24.90	18.77	33.99	41.97	208.51	81.78	346.17	27.85	27.91	9.40	99.29 Ton/day
Max	47.38	1162.32	64.25	84.05	101.64	67.89	1192.98	235.31	5825.03	30.08	38.32	27.52	5825.03 Ton/day
Min	20.44	22.70	7.55	6.15	14.27	32.73	32.73	16.22	9.06	27.52	25.06	0.00	0.00 Ton/day

WATER YEAR : 2022**WEST COAST - GULF BASIN****Khlong Cha Kra at Ban Cha Kra Bon , Prachuap Khiri Khan (Gt.18)**

Lat 11 - 26 - 50 N Long 99 - 33 - 58 E

Location : on left bank at the bridge of Phet Kasem Highway.

	Ban	Cha Kra Bon	Amphoe	Thap Sakae	Changwat	Prachuap Khiri Khan
Drainage Area	91	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	1988-Cont'd					
Actual Measurement	1988-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	21					
R-Square	0.9253					
Remarks	Continued Sediment Station					

$$QS = 10.1780 QW^{1.55380}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.21	9.40	36.13	48.18	36.13	7.20	31.05	31.05	62.02	2.94	2.94	5.85	
2	4.02	62.02	37.88	48.18	36.13	6.51	34.41	31.05	114.21	2.94	2.94	5.85	
3	4.02	91.51	39.67	46.00	36.13	5.85	34.41	31.05	126.02	2.94	2.45	5.85	
4	4.02	169.01	46.00	46.00	36.13	5.85	39.67	36.13	1247.29	2.94	2.45	4.60	
5	4.60	318.95	50.40	46.00	36.13	5.85	50.40	36.13	6204.13	2.94	2.45	4.60	
6	5.21	355.85	52.66	43.85	36.13	5.21	1024.20	36.13	355.85	2.94	2.45	4.02	
7	5.21	410.58	57.27	43.85	36.13	5.21	134.25	36.13	217.73	2.94	1.18	4.02	
8	4.60	479.23	57.27	43.85	32.71	5.21	252.58	34.41	151.28	2.94	1.18	4.02	
9	4.60	601.58	50.40	46.00	32.71	4.02	184.76	34.41	114.21	2.94	1.18	4.02	
10	4.60	515.92	54.95	37.88	32.71	4.02	122.16	34.41	82.34	2.94	1.18	4.02	
11	4.60	217.73	64.45	36.13	31.05	4.02	74.48	34.41	43.85	2.94	0.53	3.47	
12	4.60	138.64	69.40	46.00	29.42	4.02	52.66	36.13	36.13	2.94	0.53	3.47	
13	4.60	122.16	74.48	43.85	29.42	4.02	50.40	36.13	31.05	2.94	0.53	3.47	
14	5.21	98.87	66.91	36.13	29.42	4.60	50.40	37.88	24.72	2.94	0.10	3.47	
15	5.21	74.48	66.91	32.71	29.42	4.60	46.00	37.88	24.72	2.94	0.10	3.47	
16	5.21	57.27	62.02	34.41	26.25	5.21	46.00	37.88	18.91	2.94	0.10	3.47	
17	5.21	46.00	57.27	34.41	31.05	4.60	46.00	43.85	18.91	2.45	0.00	3.47	
18	5.85	50.40	59.63	36.13	26.25	4.60	39.67	43.85	14.94	2.45	0.00	3.47	
19	6.51	74.48	71.93	34.41	26.25	4.02	39.67	50.40	14.94	2.45	0.00	2.94	
20	6.51	85.02	85.02	36.13	24.72	4.02	39.67	59.63	13.69	2.45	0.00	2.45	
21	7.91	91.51	74.48	36.13	24.72	3.47	37.88	74.48	10.18	2.45	0.00	2.45	
22	7.91	102.45	64.45	36.13	24.72	3.47	37.88	85.02	10.18	2.45	0.00	2.94	
23	7.91	418.28	59.63	34.41	23.21	3.47	36.13	276.82	8.64	2.45	0.00	2.45	
24	8.64	234.92	54.95	34.41	23.21	3.47	36.13	212.10	8.64	2.45	0.00	2.45	
25	8.64	229.14	50.40	36.13	23.21	3.47	36.13	151.28	6.51	2.45	0.00	2.45	
26	8.64	195.53	54.95	36.13	29.42	3.47	34.41	151.28	5.85	1.99	0.00	2.45	
27	8.64	164.72	59.63	36.13	21.75	2.94	34.41	94.99	5.85	1.99	0.00	2.45	
28	9.40	91.51	52.66	32.71	21.75	2.94	34.41	94.99	4.60	1.99	0.00	2.45	
29	9.40	62.02	52.66	32.71	21.75	2.45	31.05	74.48	4.60	1.99		2.45	
30	8.64	41.74	48.18	31.05	21.75	2.45	31.05	74.48	2.94	1.99		1.99	
31		36.13		31.05	21.75		31.05		2.94	1.99		1.99	
Total	185.33	5647.05	1732.64	1197.09	891.53	130.24	2773.37	2048.86	8987.87	81.03	22.29	106.52	23803.82 Tonday
Mean	6.18	182.16	57.75	38.62	28.76	4.34	89.46	68.30	289.93	2.61	0.80	3.44	65.22 Ton/day
Max	9.40	601.58	85.02	48.18	36.13	7.20	1024.20	276.82	6204.13	2.94	2.94	5.85	6204.13 Ton/day
Min	4.02	9.40	36.13	31.05	21.75	2.45	31.05	31.05	2.94	1.99	0.00	1.99	0.00 Ton/day

WATER YEAR : 2022**TAPI RIVER BASIN****Khlong Phum Duang at Ban Tha Khanon , Surat Thani (X.36)**

Lat 09 - 01 - 46 N Long 98 - 58 - 10 E

Location : on left bank at Ban Tha Khanon.

	Ban Tha Khanon	Amphoe Khiri Ratnikhom	Changwat Surat Thani
Drainage Area	3,035 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US DH - 49		
Period of Available Records	1989 - Cont'd		
Actual Measurement	1989 - 1999 , 2003-2005, 2012 - Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	19		
R-Square	0.8386		
Remarks	Continued Sediment Station		

$$QS = 3.2442 QW^{1.02590}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	622.33	572.98	1116.55	335.90	555.92	294.06	686.26	414.31	349.00	237.16	181.89	166.25	
2	564.45	320.19	835.21	462.34	1093.41	578.67	686.26	456.68	400.21	161.84	186.68	161.84	
3	309.74	377.87	686.26	510.49	1054.88	375.24	496.32	239.57	439.72	249.22	198.67	177.28	
4	448.20	719.80	777.64	501.99	1085.70	375.24	484.99	312.35	510.49	222.70	196.27	184.28	
5	592.90	771.15	631.45	1012.54	979.47	317.58	375.24	312.35	807.66	229.93	205.87	124.49	
6	884.64	1244.19	459.51	1008.69	957.56	451.03	377.87	301.90	817.99	234.75	109.19	107.01	
7	725.90	1252.31	516.17	581.51	859.34	751.67	400.21	263.71	541.71	304.51	208.28	175.08	
8	590.05	771.15	524.68	459.51	852.45	725.90	462.34	383.31	510.49	254.05	172.87	161.84	
9	587.20	561.60	499.15	524.68	859.34	710.65	411.49	325.43	564.45	175.08	177.28	205.87	
10	613.21	738.69	541.71	891.92	862.79	513.33	320.19	322.81	462.34	244.39	170.66	124.49	
11	524.68	613.21	479.32	884.64	814.55	442.55	465.17	258.88	456.68	191.47	168.45	168.45	
12	598.59	924.73	436.90	1252.31	797.33	349.00	403.03	270.97	335.90	346.38	179.49	150.83	
13	661.88	754.91	333.28	1803.67	640.58	501.99	451.03	258.88	367.37	263.71	107.01	122.30	
14	584.36	735.44	521.84	1609.54	877.36	419.96	468.00	184.28	354.25	301.90	196.27	159.64	
15	713.70	519.00	541.71	899.21	504.82	330.66	367.37	266.13	333.28	225.11	155.23	166.25	
16	689.30	553.08	482.15	735.44	215.49	325.43	470.83	294.06	317.58	157.43	177.28	161.84	
17	521.84	619.29	490.65	767.90	299.28	309.74	521.84	333.28	296.67	203.47	213.08	159.64	
18	482.15	587.20	507.66	628.41	291.45	286.23	935.67	807.66	664.93	208.28	150.83	155.23	
19	607.13	558.76	507.66	631.45	328.05	208.28	873.71	677.11	774.40	208.28	193.87	172.87	
20	575.82	695.40	294.06	431.25	369.99	263.71	1062.59	533.19	439.72	201.07	126.68	117.93	
21	728.96	598.59	453.86	692.35	203.47	341.14	1663.28	386.13	377.87	201.07	193.87	161.84	
22	550.23	479.32	343.76	643.62	275.81	251.63	1672.63	367.37	354.25	208.28	146.43	208.28	
23	533.19	490.65	468.00	683.21	510.49	256.46	1292.94	674.07	330.66	133.26	175.08	186.68	
24	507.66	643.62	476.49	607.13	451.03	249.22	1012.54	680.16	320.19	210.68	166.25	184.28	
25	507.66	592.90	397.40	513.33	294.06	369.99	793.89	649.71	258.88	181.89	150.83	222.70	
26	748.42	604.29	428.43	640.58	367.37	249.22	643.62	592.90	227.52	325.43	172.87	153.03	
27	719.80	604.29	249.22	664.93	400.21	139.84	553.08	470.83	261.30	278.41	139.84	128.87	
28	787.39	622.33	405.85	652.75	359.49	283.63	519.00	436.90	261.30	215.49	137.64	275.81	
29	422.78	581.51	369.99	692.35	307.12	422.78	462.34	419.96	278.41	189.08		175.08	
30	643.62	800.77	377.87	646.66	538.87	646.66	439.72	354.25	241.98	159.64		205.87	
31		1170.57		417.14	330.66		338.52		241.98	208.28		193.87	
Total	18047.78	21079.79	15154.43	22787.44	18338.34	11741.49	20111.97	12249.14	12899.18	6932.24	4758.66	5219.72	169320.18 Ton/day
Mean	601.59	679.99	505.15	735.08	591.56	391.38	648.77	408.30	416.10	223.62	169.95	168.38	463.89 Ton/day
Max	884.64	1252.31	1116.55	1803.67	1093.41	751.67	1672.63	807.66	817.99	346.38	213.08	275.81	1803.67 Ton/day
Min	309.74	320.19	249.22	335.90	203.47	139.84	320.19	184.28	227.52	133.26	107.01	107.01	107.01 Ton/day

WATER YEAR : 2021**TAPI RIVER BASIN****Tapi River at Ban Yan Din Daeng , Surat Thani (X.37A)**

Lat 08 - 34 - 16 N Long 99 - 15 - 14 E

Location : on left bank at Tambon Yan Din Daeng.

	Ban Yan Din Daeng	Amphoe Phrasaeng	Changwat Surat Thani
Drainage Area	5,397 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US DH - 49		
Period of Available Records	1990 - Cont'd		
Actual Measurement	1990 - 2000 , 2002 - Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.7605		
Remarks	Continued Sediment Station		

$$QS = 4.0358 QW^{1.00240}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	336.50	269.05	706.27	389.66	1054.39	473.52	588.54	904.77	1206.51	363.08	265.79	133.49	
2	301.75	280.50	626.82	401.93	1011.75	684.97	724.90	847.40	1093.75	344.68	249.44	133.49	
3	295.62	311.97	504.22	448.97	1015.03	858.87	801.51	744.16	969.12	328.32	234.73	135.12	
4	303.79	408.07	420.34	451.02	1024.87	878.95	876.09	663.67	929.16	314.01	231.47	144.91	
5	288.67	461.25	403.97	520.59	1005.19	815.85	884.69	608.80	1064.23	305.84	254.34	188.99	
6	354.90	418.29	438.75	724.90	916.86	722.24	916.86	552.51	1173.29	299.71	244.54	182.46	
7	532.87	465.34	403.97	778.57	804.38	663.67	947.60	512.40	1217.59	288.67	224.93	164.50	
8	545.76	566.02	438.75	730.23	706.27	606.55	1011.75	498.08	1247.52	280.50	210.23	151.44	
9	504.22	568.27	446.93	661.01	622.32	593.04	1031.43	534.91	1290.39	275.59	197.16	143.28	
10	457.16	579.53	397.84	755.63	557.02	595.29	988.80	570.52	1313.77	275.59	187.36	136.75	
11	414.20	586.29	397.84	932.23	498.08	595.29	969.12	518.54	1302.08	272.32	180.83	131.86	
12	371.26	676.98	479.66	956.82	444.88	647.70	998.63	485.80	1232.35	320.15	174.30	126.96	
13	330.37	856.01	520.59	992.07	401.93	669.00	969.12	500.12	1123.27	336.50	167.77	125.33	
14	328.32	959.90	534.91	1051.11	365.12	711.59	904.77	502.17	1083.91	301.75	161.24	120.43	
15	389.66	969.12	622.32	1028.15	334.45	778.57	899.03	473.52	1037.99	309.93	157.97	117.17	
16	432.61	944.53	661.01	998.63	311.97	714.25	844.53	561.52	941.45	287.04	151.44	113.91	
17	393.75	847.40	647.70	1077.35	314.01	602.05	784.30	722.24	844.53	257.61	146.54	105.75	
18	336.50	764.23	684.97	1126.55	342.63	524.68	867.48	772.83	781.44	239.64	144.91	97.60	
19	309.93	698.28	642.38	1110.15	356.94	465.34	1060.95	787.17	833.06	224.93	153.07	95.16	
20	305.84	637.06	539.01	1031.43	350.81	420.34	1159.35	795.77	962.97	215.13	172.66	92.71	
21	299.71	559.27	539.01	1021.59	322.19	397.84	1263.11	827.32	1008.47	206.96	172.66	90.26	
22	280.50	491.94	536.96	1119.99	340.59	403.97	1364.43	853.14	929.16	202.06	177.56	89.04	
23	267.42	448.97	563.77	1123.27	451.02	436.70	1494.07	1001.91	818.72	197.16	193.89	87.82	
24	244.54	408.07	604.30	1041.27	467.39	465.34	1613.08	1228.66	714.25	190.63	175.93	86.60	
25	229.83	371.26	599.80	975.68	440.79	483.75	1600.77	1364.43	629.07	233.10	156.34	85.37	
26	215.13	338.54	570.52	1044.55	440.79	469.43	1539.21	1454.07	568.27	278.86	146.54	84.15	
27	203.69	314.01	541.26	1083.91	493.98	428.52	1457.97	1510.49	516.49	395.79	140.02	81.71	
28	218.40	293.58	487.85	1090.47	543.51	383.52	1368.32	1494.07	475.57	389.66	135.12	80.48	
29	200.43	280.50	440.79	1106.87	467.39	369.21	1278.70	1418.99	440.79	342.63		78.04	
30	221.66	408.07	406.02	1126.55	410.11	438.75	1136.39	1313.77	410.11	309.93		78.04	
31		593.04		1103.59	420.34		988.80		385.57	287.04		80.48	
Total	9914.99	16775.34	15808.53	28004.74	17237.00	17298.79	33334.30	25023.75	28544.85	8874.81	5208.78	3563.30	209589.18 Tonday
Mean	330.50	541.14	526.95	903.38	556.03	576.63	1075.30	834.13	920.80	286.28	186.03	114.95	574.22 Ton/day
Max	545.76	969.12	706.27	1126.55	1054.39	878.95	1613.08	1510.49	1313.77	395.79	265.79	188.99	1613.08 Ton/day
Min	200.43	269.05	397.84	389.66	311.97	369.21	588.54	473.52	385.57	190.63	135.12	78.04	78.04 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA EAST COAST****Khlong Chumphon at Ban Wang Phai , Chumphon (X.53A)**

Lat 10 - 30 - 26 N Long 99 - 07 - 04 E

Location : on left bank about 9.50 kilometers downstream from X.53 station.

	Ban	Wang Phai	Amphoe	Mueang	Changwat	Chumphon
Drainge Area	294	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D - 48					
Period of Available Records	1996-Cont'd					
Actual Measurement	1996-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	22					
R-Square	0.7036					
Remarks	Continued Sediment Station					

$$QS = 3.5318 QW^{1.44520}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	275.85	34.91	424.74	68.75	132.78	101.30	2175.20	147.04	125.82	70.67	27.43	20.71	
2	194.17	66.84	516.84	86.58	237.64	70.67	1887.91	130.44	112.24	68.75	27.43	19.83	
3	99.16	59.40	332.20	245.14	271.95	29.86	921.54	121.24	114.47	66.84	27.43	18.97	
4	90.72	44.25	219.20	357.32	135.12	25.06	1120.27	110.03	353.09	66.84	29.86	19.83	
5	452.92	72.60	166.75	291.62	112.24	54.00	837.75	116.71	2059.87	63.09	27.43	18.97	
6	1371.98	2411.56	137.48	723.37	103.46	92.81	1276.93	620.57	4508.66	61.24	23.86	18.12	
7	230.21	1292.62	166.75	287.65	99.16	226.52	1129.31	684.25	1352.80	61.24	22.76	17.28	
8	123.52	1579.94	164.24	219.20	92.81	516.84	1381.60	441.58	684.25	59.40	21.59	16.45	
9	94.91	523.97	123.52	283.70	94.91	183.74	595.64	226.52	664.95	59.40	21.59	16.45	
10	76.52	166.75	107.83	1371.98	90.72	147.04	564.93	156.80	382.99	57.58	20.71	15.64	
11	72.60	135.12	99.16	2849.78	84.54	107.83	985.97	132.78	275.85	54.00	20.71	15.64	
12	107.83	783.28	97.03	2633.73	80.50	101.30	382.99	118.97	208.36	55.78	19.83	14.84	
13	63.09	260.35	88.64	2056.24	78.50	82.51	268.07	110.03	169.26	54.00	18.97	14.05	
14	57.58	84.54	86.58	1355.99	74.55	74.55	208.36	149.47	149.47	54.00	17.28	14.05	
15	52.24	130.44	279.77	4215.92	70.67	76.52	176.88	729.95	135.12	52.24	17.28	13.28	
16	45.70	99.16	180.30	1400.90	74.55	114.47	154.34	1528.35	125.82	48.76	33.57	13.28	
17	42.92	86.58	107.83	710.25	114.47	66.84	993.21	1202.42	118.97	47.05	311.71	12.52	
18	42.92	105.64	99.16	435.94	101.30	132.78	3383.63	900.36	114.47	45.70	88.64	11.77	
19	52.24	142.24	92.81	307.66	82.51	208.36	2492.00	571.03	105.64	44.25	52.24	11.77	
20	47.05	99.16	86.58	291.62	78.50	105.64	1720.64	271.95	101.30	42.92	40.19	11.77	
21	47.05	283.70	86.58	1410.58	74.55	151.90	1051.72	222.85	97.03	40.19	36.15	11.04	
22	45.70	2048.99	80.50	1324.19	112.24	130.44	893.33	190.68	92.81	38.79	32.35	11.04	
23	42.92	4713.40	74.55	684.25	80.50	90.72	664.95	151.90	88.64	37.52	27.43	11.04	
24	40.19	1051.72	74.55	447.24	72.60	74.55	710.25	135.12	86.58	36.15	25.06	10.32	
25	37.52	419.17	72.60	430.33	74.55	72.60	475.86	137.48	84.54	34.91	22.76	9.62	
26	34.91	241.38	70.67	260.35	68.75	59.40	470.09	154.34	80.50	37.52	23.86	9.62	
27	36.15	174.33	84.54	194.17	66.84	80.50	382.99	763.14	78.50	33.57	23.86	8.93	
28	36.15	441.58	70.67	180.30	70.67	230.21	510.92	336.35	76.52	32.35	21.59	7.60	
29	34.91	620.57	86.58	211.95	1305.22	1772.40	340.51	174.33	76.52	31.05		8.26	
30	34.91	1147.45	74.55	499.15	248.91	2559.65	233.91	142.24	72.60	29.86		9.62	
31		571.03		161.75	92.81		169.26		72.60	28.59		9.62	
Total	3984.54	19892.67	4353.20	25997.60	4478.52	7741.01	28560.96	10878.92	12770.24	1514.25	1083.57	421.93	121677.41 Tonday
Mean	132.82	641.70	145.11	838.63	144.47	258.03	921.32	362.63	411.94	48.85	38.70	13.61	333.36 Ton/day
Max	1371.98	4713.40	516.84	4215.92	1305.22	2559.65	3383.63	1528.35	4508.66	70.67	311.71	20.71	4713.40 Ton/day
Min	34.91	34.91	70.67	68.75	66.84	25.06	154.34	110.03	72.60	28.59	17.28	7.60	7.60 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA EAST COAST****Khlong Tha Di at Ban Tha Yai , Nakhon Si Thammarat (X.55)**

Lat 08 - 23 - 59 N Long 99 - 49 - 59 E

Location : on left bank at the bridge.

	Ban Tha Yai	Amphoe Lan Saka	Changwat Nakhon Si Thammarat
Drainage Area	105 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D - 48		
Period of Available Records	1989 - 2009,2012 - Cont' d		
Actual Measurement	1990 - 2009,2012 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	23		
R-Square	0.7866		
Remarks	Continued Sediment Station		

$$QS = 3.7527 QW^{1.42190}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	159.96	153.51	72.19	50.24	57.29	50.24	77.37	53.73	110.60	122.43	122.43	57.29	
2	140.83	166.50	68.37	53.73	57.29	64.61	53.73	50.24	134.61	110.60	104.82	53.73	
3	122.43	147.13	64.61	46.82	72.19	43.47	53.73	46.82	228.67	99.14	219.69	179.81	
4	284.71	140.83	68.37	53.73	57.29	46.82	46.82	46.82	1165.93	99.14	166.50	128.48	
5	2498.85	186.57	64.61	77.37	53.73	53.73	64.61	46.82	1025.08	99.14	128.48	88.05	
6	694.08	219.69	60.92	68.37	46.82	46.82	60.92	77.37	880.30	99.14	110.60	82.66	
7	364.82	219.69	77.37	60.92	46.82	46.82	237.76	237.76	518.22	128.48	99.14	72.19	
8	284.71	364.82	64.61	53.73	43.47	43.47	140.83	159.96	477.27	116.47	88.05	64.61	
9	237.76	987.23	60.92	99.14	40.20	43.47	93.55	104.82	385.74	104.82	82.66	60.92	
10	193.41	364.82	60.92	116.47	37.00	53.73	77.37	82.66	304.18	93.55	77.37	60.92	
11	179.81	375.24	68.37	82.66	33.88	166.50	68.37	116.47	246.95	88.05	72.19	53.73	
12	186.57	284.71	88.05	99.14	33.88	82.66	60.92	110.60	463.85	82.66	68.37	53.73	
13	179.81	210.82	60.92	88.05	30.85	219.69	68.37	88.05	897.87	104.82	64.61	50.24	
14	179.81	179.81	72.19	77.37	30.85	166.50	122.43	128.48	504.46	88.05	60.92	50.24	
15	159.96	166.50	77.37	82.66	30.85	93.55	72.19	518.22	364.82	77.37	57.29	46.82	
16	134.61	147.13	93.55	88.05	27.90	72.19	72.19	256.24	294.40	72.19	57.29	43.47	
17	128.48	134.61	64.61	68.37	27.90	64.61	99.14	237.76	314.06	60.92	57.29	43.47	
18	134.61	128.48	88.05	64.61	27.90	57.29	104.82	193.41	1125.14	60.92	57.29	40.20	
19	173.12	122.43	93.55	57.29	33.88	50.24	88.05	166.50	1397.78	64.61	53.73	40.20	
20	173.12	116.47	72.19	68.37	33.88	50.24	104.82	128.48	532.09	60.92	57.29	37.00	
21	166.50	104.82	72.19	77.37	25.05	46.82	104.82	110.60	364.82	68.37	256.24	37.00	
22	166.50	99.14	64.61	64.61	27.90	46.82	82.66	193.41	284.71	60.92	153.51	33.88	
23	147.13	93.55	64.61	60.92	25.05	43.47	104.82	237.76	237.76	60.92	99.14	33.88	
24	128.48	88.05	72.19	60.92	33.88	46.82	99.14	314.06	202.06	68.37	77.37	33.88	
25	116.47	82.66	64.61	68.37	72.19	43.47	77.37	202.06	179.81	186.57	68.37	30.85	
26	116.47	82.66	57.29	53.73	50.24	37.00	93.55	294.40	166.50	334.09	64.61	27.90	
27	110.60	77.37	53.73	68.37	40.20	37.00	72.19	179.81	153.51	140.83	64.61	27.90	
28	93.55	72.19	50.24	93.55	33.88	43.47	64.61	159.96	147.13	179.81	60.92	27.90	
29	99.14	82.66	60.92	68.37	40.20	57.29	64.61	134.61	134.61	237.76		25.05	
30	159.96	88.05	68.37	68.37	30.85	72.19	60.92	116.47	128.48	202.06		25.05	
31		82.66		57.29	40.20		57.29		116.47	153.51		22.28	
Total	7916.26	5770.80	2070.50	2198.96	1243.51	1991.00	2649.97	4794.35	13487.88	3526.63	2650.78	1633.33	49933.97 Tonday
Mean	263.88	186.15	69.02	70.93	40.11	66.37	85.48	159.81	435.09	113.76	94.67	52.69	136.81 Ton/day
Max	2498.85	987.23	93.55	116.47	72.19	219.69	237.76	518.22	1397.78	334.09	256.24	179.81	2498.85 Ton/day
Min	93.55	72.19	50.24	46.82	25.05	37.00	46.82	46.82	110.60	60.92	53.73	22.28	22.28 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA EAST COAST****Khlong Ban Tan at Ban Wang Kong , Nakhon Si Thammarat (X.70)**

Lat 08 - 25 - 41 N Long 99 - 51 - 38 E

Location : on left bank upstream side of the bridge.

	Ban Wang Kong	Amphoe Mueang	Changwat Nakhon Si Thammarat
Drainage Area	33 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D - 48		
Period of Available Records	1989 - 2010,2014 - Cont'd		
Actual Measurement	1989 - 2010,2014 - Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	22		
R-Square	0.7571		
Remarks	Continued Sediment Station		

$$QS = 9.9309 QW^{1.11350}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	13.99	21.61	11.72	10.37	8.61	8.61	9.49	9.49	22.21	22.21	42.50	10.37	
2	11.27	16.41	11.27	10.37	8.61	9.93	9.49	9.05	27.55	18.28	34.50	9.93	
3	12.17	13.99	11.27	10.37	8.61	9.49	9.49	9.05	58.02	16.99	58.02	47.14	
4	58.02	15.14	11.27	9.05	8.61	9.49	9.49	9.05	302.45	16.41	43.40	27.55	
5	578.63	21.61	11.27	7.75	8.61	9.49	9.49	8.61	272.07	17.70	34.50	16.99	
6	178.66	32.75	11.27	7.32	8.61	9.49	9.93	9.49	177.17	18.28	28.41	15.14	
7	85.59	31.01	11.27	7.32	8.61	9.49	22.93	149.23	105.65	31.01	25.59	13.07	
8	58.02	44.30	12.62	7.32	8.61	9.49	16.41	44.30	123.24	26.94	22.21	12.17	
9	44.30	112.99	10.37	8.18	8.61	9.49	9.93	24.26	93.76	20.29	20.29	11.72	
10	36.26	54.06	9.05	8.18	8.61	9.93	9.93	17.70	73.57	17.70	18.28	10.82	
11	29.27	60.94	8.18	7.75	8.18	15.14	9.93	28.41	60.00	16.41	16.41	10.37	
12	28.41	43.40	9.49	8.18	8.18	9.05	9.93	22.93	104.52	14.44	15.14	9.93	
13	25.59	31.88	7.32	8.18	8.18	31.88	13.53	17.70	158.00	16.99	13.99	9.49	
14	24.26	26.20	10.82	8.18	8.18	19.58	22.93	33.62	97.38	13.99	13.53	9.05	
15	22.21	31.01	20.89	8.18	8.18	10.37	10.37	136.17	80.10	13.53	12.62	9.05	
16	18.99	22.21	17.70	8.18	8.18	9.93	9.93	67.09	64.00	13.53	12.17	9.05	
17	16.99	18.99	11.72	8.18	8.18	9.93	11.27	58.02	73.57	13.53	12.17	9.05	
18	19.58	16.99	22.93	8.18	8.18	9.93	10.37	60.94	187.59	13.07	11.72	9.05	
19	26.20	17.70	18.99	8.18	8.18	9.93	9.93	46.23	297.76	13.07	11.72	9.05	
20	31.88	15.14	12.62	8.18	8.18	9.93	10.37	32.75	121.95	13.07	12.17	9.05	
21	25.59	13.53	12.62	9.05	8.18	9.93	9.93	26.94	83.39	13.07	39.81	9.05	
22	37.15	12.62	9.49	9.49	8.18	9.93	9.49	30.14	64.00	13.07	24.86	9.05	
23	25.59	12.17	29.27	9.49	8.18	10.37	9.93	38.92	53.01	12.62	15.14	9.05	
24	20.29	12.17	28.41	8.61	8.61	9.93	9.93	60.00	45.20	13.53	13.07	9.05	
25	16.41	12.17	15.14	10.37	9.05	9.49	11.27	41.60	40.71	64.00	12.17	9.05	
26	16.41	11.72	13.53	8.61	9.05	9.49	12.62	50.13	36.26	118.10	11.72	9.05	
27	15.14	11.72	10.82	9.93	9.05	9.49	9.93	36.26	31.88	47.14	12.17	9.05	
28	13.07	11.72	10.82	13.99	9.05	9.49	9.93	38.92	28.41	69.24	11.27	9.05	
29	15.14	11.72	12.17	9.05	9.05	9.49	9.49	30.14	25.59	85.59		9.05	
30	31.88	11.72	10.37	8.61	9.05	9.49	9.49	24.86	22.93	72.48		8.61	
31		11.72		8.61	9.05		9.49		21.61	56.96		8.61	
Total	1536.96	781.31	404.68	273.41	264.40	327.67	346.64	1172.00	2953.55	913.24	599.55	366.71	9940.12 Tonday
Mean	51.23	25.20	13.49	8.82	8.53	10.92	11.18	39.07	95.28	29.46	21.41	11.83	27.23 Ton/day
Max	578.63	112.99	29.27	13.99	9.05	31.88	22.93	149.23	302.45	118.10	58.02	47.14	578.63 Ton/day
Min	11.27	11.72	7.32	7.32	8.18	8.61	9.49	8.61	21.61	12.62	11.27	8.61	7.32 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA EAST COAST****Khlong Klai at Ban Hua Na , Nakhon Si Thammarat (X.149)**

Lat 08 - 43 - 46 N Long 99 - 44 - 53 E

Location : on left bank at Ban Hua Na.

	Ban Hua Na	Amphoe Nopphitam	Changwat Nakhon Si Thammarat
Drainage Area	477 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D - 48		
Period of Available Records	1998 - 2006, 2012 - Cont' d		
Actual Measurement	1998 - 2006, 2012 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.7068		
Remarks	Continued Sediment Station		

$$QS = 2.3884 QW^{1.36420}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	134.52	295.68	194.94	188.63	176.19	240.56	377.42	279.29	133.57	167.01	158.47	49.31	
2	123.18	346.30	214.18	176.19	182.39	214.18	321.93	220.70	158.47	158.47	125.52	46.41	
3	146.12	429.95	188.63	170.06	207.71	182.39	458.88	193.36	279.29	150.04	289.80	354.94	
4	207.71	329.19	188.63	182.39	170.06	163.98	332.84	184.46	3562.00	150.04	289.80	167.01	
5	966.74	329.19	182.39	176.19	157.97	123.18	400.26	202.36	3398.00	141.74	184.46	74.09	
6	695.18	398.98	182.39	163.98	152.01	123.18	728.73	529.89	1528.05	125.52	141.74	61.36	
7	443.04	622.16	201.30	157.97	146.12	140.29	838.09	926.51	926.51	150.04	117.62	58.28	
8	312.32	946.57	182.39	157.97	140.29	446.98	728.73	610.68	1181.31	133.57	94.75	55.25	
9	295.68	636.59	201.30	157.97	134.52	332.84	498.44	411.81	882.00	117.62	84.04	52.25	
10	303.97	496.41	220.70	207.71	123.18	377.42	482.92	332.84	610.68	109.85	80.69	49.31	
11	312.32	551.36	201.30	207.71	118.54	289.80	578.00	514.10	470.86	125.52	74.09	46.41	
12	416.97	607.82	201.30	233.89	113.94	300.41	400.26	482.92	446.98	117.62	70.85	43.55	
13	398.98	496.41	176.19	240.56	109.40	610.68	354.94	366.13	1376.54	94.75	67.65	40.75	
14	407.95	390.06	233.89	194.94	118.54	388.79	366.13	498.44	971.59	87.43	64.48	37.99	
15	381.20	372.39	271.19	188.63	113.94	300.41	388.79	1528.05	578.00	84.04	61.36	32.64	
16	312.32	346.30	279.29	176.19	109.40	268.89	388.79	643.84	514.10	77.37	61.36	30.05	
17	295.68	303.97	201.30	233.89	109.40	239.45	458.88	377.42	411.81	74.09	61.36	30.05	
18	295.68	287.46	247.28	176.19	118.54	230.02	388.79	400.26	1762.98	74.09	61.36	27.52	
19	303.97	287.46	255.19	182.39	123.18	211.48	354.94	400.26	1086.76	70.85	58.28	25.66	
20	295.68	279.29	247.28	214.18	104.90	211.48	482.92	311.12	711.53	70.85	58.28	23.84	
21	287.46	263.16	247.28	188.63	128.82	202.36	594.28	220.70	514.10	67.65	77.37	23.84	
22	271.19	247.28	207.71	170.06	109.40	202.36	446.98	268.89	411.81	67.65	61.36	35.29	
23	263.16	240.56	214.18	279.29	100.45	279.29	728.73	388.79	354.94	64.48	55.25	74.09	
24	240.56	233.89	295.68	207.71	109.40	248.97	798.62	321.93	300.41	61.36	55.25	77.37	
25	233.89	220.70	220.70	233.89	118.54	211.48	458.88	332.84	268.89	498.44	52.25	70.85	
26	227.27	214.18	214.18	170.06	140.29	230.02	366.13	610.68	239.45	1181.31	55.25	67.65	
27	247.28	207.71	188.63	214.18	109.40	332.84	311.12	289.80	211.48	279.29	55.25	67.65	
28	220.70	207.71	188.63	303.97	109.40	332.84	289.80	230.02	193.36	220.70	49.31	64.48	
29	214.18	207.71	194.94	279.29	188.63	311.12	300.41	175.68	175.68	268.89		61.36	
30	220.70	214.18	176.19	303.97	201.30	366.13	258.60	141.74	158.47	279.29		61.36	
31		201.30		201.30	170.06		300.41		141.74	202.36		58.28	
Total	9475.60	11211.92	6419.18	6339.98	4215.91	8113.82	14184.64	12395.51	23961.36	5471.93	2667.25	1968.89	106425.99 Tonday
Mean	315.85	361.67	213.97	204.52	136.00	270.46	457.57	413.18	772.95	176.51	95.26	63.51	291.58 Ton/day
Max	966.74	946.57	295.68	303.97	207.71	610.68	838.09	1528.05	3562.00	1181.31	289.80	354.94	3562.00 Ton/day
Min	123.18	201.30	176.19	157.97	100.45	123.18	258.60	141.74	133.57	61.36	49.31	23.84	23.84 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA EAST COAST****Khlong Tha Taphao at Ban Wang Khrok , Chumphon (X.158)**

Lat 10 - 35 - 40 N Long 99 - 08 - 30 E

Location : on right bank at the bridge on Chumphon - Prachuap Khiri Khan Highway.

	Ban Wang Khrok	Amphoe Tha Sae	Changwat Chumphon
Drainage Area	1,817 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US D - 48		
Period of Available Records	1996 - Cont'd		
Actual Measurement	1996 - Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	24		
R-Square	0.7153		
Remarks	Continued Sediment Station		

$$QS = 2.9760 QW^{1.4910}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2932.14	357.08	1433.67	192.74	783.25	2147.09	2855.18	571.57	674.67	236.27	106.26	101.96	
2	1349.68	750.11	2932.14	236.27	833.82	1894.52	3220.04	446.26	1092.42	264.92	106.26	101.96	
3	312.94	795.79	1753.13	474.26	4515.85	1218.81	1915.02	400.85	1267.37	294.63	106.26	101.96	
4	253.33	198.02	911.60	1773.11	2018.56	717.46	7361.74	551.63	1170.88	241.91	106.26	101.96	
5	300.69	236.27	685.28	1333.08	531.93	924.79	2529.57	1234.93	13095.48	241.91	106.26	101.96	
6	319.13	4605.25	551.63	3300.09	674.67	1349.68	4193.02	2880.76	48588.89	236.27	106.26	101.96	
7	187.50	7965.68	772.15	1170.88	1107.97	1366.34	10506.25	4846.47	44070.95	225.11	106.26	101.96	
8	137.87	9032.35	808.40	1202.77	991.64	2335.75	8344.59	4338.78	21992.98	219.60	106.26	101.96	
9	119.47	9032.35	474.26	1139.28	951.34	1349.68	3380.78	1915.02	18777.94	208.72	106.26	101.96	
10	101.96	4635.18	363.54	5530.33	885.42	1005.19	1915.02	978.14	10506.25	203.34	106.26	101.96	
11	106.26	4368.13	276.68	16115.79	2217.22	772.15	1659.71	761.11	4222.04	198.02	101.96	101.96	
12	152.23	6257.05	276.68	18849.23	1416.74	522.17	808.40	522.17	2855.18	236.27	101.96	123.99	
13	97.73	3380.78	247.60	18992.06	1234.93	551.63	601.91	483.72	2193.76	203.34	101.96	137.87	
14	85.39	924.79	230.67	12990.17	717.46	561.57	1046.21	872.42	1624.23	182.32	101.96	101.96	
15	89.44	728.29	474.26	10369.25	653.60	571.57	1484.86	3849.96	1202.77	187.50	101.96	101.96	
16	101.96	685.28	643.15	4338.78	522.17	455.53	911.60	14348.15	1571.49	172.09	101.96	101.96	
17	97.73	531.93	728.29	2123.88	446.26	512.47	1467.73	9872.02	1218.81	152.23	512.47	101.96	
18	93.56	761.11	581.62	1502.06	924.79	502.83	13786.76	5948.18	795.79	152.23	357.08	101.96	
19	142.61	695.95	427.90	1139.28	493.24	350.65	17267.01	4755.54	717.46	147.40	167.05	101.96	
20	110.60	750.11	264.92	1833.48	512.47	294.63	11434.56	2505.07	418.82	147.40	110.60	101.96	
21	93.56	924.79	203.34	4968.59	571.57	1005.19	10597.92	2123.88	350.65	137.87	106.26	101.96	
22	81.40	8302.20	198.02	5786.28	1283.70	363.54	6875.79	1300.09	350.65	128.57	106.26	101.96	
23	106.26	29366.13	208.72	2359.70	418.82	325.36	4725.35	1005.19	581.62	123.99	106.26	101.96	
24	89.44	24346.56	236.27	1383.08	344.27	270.78	4575.39	1267.37	363.54	119.47	106.26	101.96	
25	77.48	14055.74	208.72	3273.34	319.13	474.26	3991.73	1833.48	427.90	115.01	106.26	101.96	
26	69.82	5060.83	192.74	1813.29	363.54	241.91	2147.09	1874.10	541.75	115.01	106.26	101.96	
27	73.62	3140.65	187.50	1018.81	391.96	253.33	1267.37	4575.39	300.69	115.01	106.26	101.96	
28	58.84	3300.09	182.32	1018.81	306.80	357.08	2240.77	3489.36	288.60	110.60	101.96	101.96	
29	55.32	2855.18	182.32	1997.71	2123.88	4397.55	1753.13	2264.39	357.08	106.26		101.96	
30	93.56	2505.07	172.09	4020.29	1283.70	4135.18	4545.59	898.48	376.57	106.26		101.96	
31		1695.44		2123.88	581.62		1853.76		241.91	106.26		101.96	
Total	7891.52	152244.18	16809.61	134370.57	30422.32	31228.69	141263.85	82714.48	182239.14	5435.79	3667.34	3218.70	791506.19 Tonday
Mean	263.05	4911.10	560.32	4334.53	981.37	1040.96	4556.90	2757.15	5878.68	175.35	130.98	103.83	2168.51 Ton/day
Max	2932.14	29366.13	2932.14	18992.06	4515.85	4397.55	17267.01	14348.15	48588.89	294.63	512.47	137.87	48588.89 Ton/day
Min	55.32	198.02	172.09	192.74	306.80	241.91	601.91	400.85	241.91	106.26	101.96	101.96	55.32 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA EAST COAST****Khlong Sao Thong at Ban Sao Thong , Nakhon Si Thammarat (X.167)**

Lat 08 - 16 - 51 N Long 99 - 54 - 21 E

Location : on right bank at the bridge.

	Ban Sao Thong	Amphoe Ron Phibun	Changwat Nakhon Si Thammarat
Drainge Area	279 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US DH - 48		
Period of Available Records	1998 - 2009 , 2012 - Cont'd		
Actual Measurement	1998 - 2009 , 2012 - Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	18		
R-Square	0.7085		
Remarks	Continued Sediment Station		

$$QS = 6.5180 QW^{1.11140}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	106.41	114.21	74.28	38.21	34.77	39.94	34.77	48.72	66.83	93.08	96.87	52.37	
2	118.07	321.28	74.28	36.48	32.97	93.08	34.77	50.50	155.61	85.46	79.85	52.37	
3	141.63	288.80	79.85	34.77	41.69	36.48	34.77	104.50	239.25	79.85	208.48	57.75	
4	179.78	445.35	66.83	32.97	34.77	34.77	34.77	114.21	793.83	91.20	337.38	102.59	
5	675.66	255.31	57.75	48.72	32.97	32.97	45.19	66.83	1231.42	85.46	161.59	54.16	
6	1231.42	417.23	57.75	36.48	32.97	32.97	79.85	129.85	793.83	74.28	121.95	52.37	
7	546.19	305.90	65.01	36.48	32.97	32.97	155.61	133.77	635.41	87.33	100.68	52.37	
8	313.26	308.35	55.95	32.97	76.13	32.97	212.59	151.63	396.51	79.85	85.46	52.37	
9	239.25	1051.15	54.16	34.77	34.77	48.72	81.72	125.85	332.00	70.59	76.13	52.37	
10	204.28	708.03	55.95	55.95	34.77	68.67	57.75	52.37	262.23	66.83	68.67	52.37	
11	177.76	420.20	129.85	39.94	34.77	50.50	48.72	68.67	214.64	61.37	63.18	52.37	
12	214.64	928.79	89.31	68.67	34.77	45.19	48.72	94.98	221.03	57.75	59.56	52.37	
13	206.33	381.77	61.37	55.95	34.77	127.89	59.56	61.37	712.09	57.75	55.95	52.37	
14	161.59	321.28	149.64	43.43	34.77	125.85	129.85	89.31	451.77	54.16	54.16	52.37	
15	145.58	378.83	83.58	65.01	34.77	54.16	91.20	239.25	326.64	50.50	52.37	52.37	
16	123.90	227.84	66.83	52.37	34.77	39.94	159.59	301.00	269.37	50.50	52.37	52.37	
17	116.14	190.01	63.18	46.95	34.77	34.77	173.73	171.72	266.95	50.50	52.37	52.37	
18	104.50	173.73	55.95	39.94	34.77	34.77	161.59	139.66	767.85	50.50	52.37	52.37	
19	116.14	157.60	54.16	34.77	34.77	34.77	100.68	185.85	1186.79	114.21	52.37	102.59	
20	147.66	149.64	54.16	32.97	34.77	34.77	85.46	121.95	590.18	192.04	52.37	125.85	
21	137.69	129.85	54.16	41.69	34.77	34.77	85.46	129.85	348.16	192.04	76.13	65.01	
22	127.89	125.85	59.56	34.77	34.77	34.77	61.37	83.58	266.95	190.01	177.76	52.37	
23	159.59	114.21	52.37	34.77	34.77	34.77	52.37	98.78	221.03	102.59	83.58	52.37	
24	116.14	110.35	52.37	32.97	34.77	34.77	52.37	171.72	190.01	50.50	61.37	118.07	
25	98.78	98.78	52.37	32.97	34.77	34.77	45.19	181.80	167.70	81.72	54.16	37.09	
26	93.08	93.08	52.37	32.97	34.77	34.77	43.43	137.69	147.66	402.42	54.16	35.80	
27	93.08	81.72	52.37	39.94	34.77	34.77	45.19	112.28	131.81	139.66	52.37	35.11	
28	85.46	77.99	52.37	102.59	34.77	34.77	43.43	151.63	121.95	116.14	89.31	18.05	
29	98.78	79.85	52.37	46.95	34.77	34.77	41.69	246.12	112.28	159.59		35.80	
30	110.35	77.99	52.37	63.18	34.77	34.77	39.94	151.63	102.59	139.66		47.39	
31		83.58		38.21	34.77		63.18		94.98	120.01		47.39	
Total	6391.03	8618.55	1982.52	1368.81	1118.95	1383.85	2404.51	3917.07	11819.35	3247.55	2532.97	1772.94	46558.10 Tonday
Mean	213.03	278.02	66.08	44.16	36.10	46.13	77.56	130.57	381.27	104.76	90.46	57.19	127.56 Ton/day
Max	1231.42	1051.15	149.64	102.59	76.13	127.89	212.59	301.00	1231.42	402.42	337.38	125.85	1231.42 Ton/day
Min	85.46	77.99	52.37	32.97	32.97	32.97	34.77	48.72	66.83	50.50	52.37	18.05	18.05 Ton/day

WATER YEAR : 2022**TAPI RIVER BASIN****Tapi River at Ban Tha Pho , Nakhon Si Thammarat (X.195)**

Lat 08 - 30 - 31 N Long 99 - 30 - 38 E

Location : on left bank at Ban Tha Pho.

	Ban Tha Pho	Amphoe Chawang	Changwat Nakhon Si Thammarat
Drainage Area	492 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US DH - 48		
Period of Available Records	1998 - Cont'd		
Actual Measurement	1998 - 2002, 2005-2006, 2011 - Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	19		
R-Square	0.7923		
Remarks	Continued Sediment Station		

$$QS = 4.2632 QW^{0.92180}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	63.72	52.38	83.47	67.46	105.23	68.70	128.97	90.77	91.99	63.72	63.72	49.83	
2	77.35	64.97	88.35	63.72	95.61	93.20	110.02	88.35	90.77	61.21	58.70	49.83	
3	68.70	61.21	77.35	68.70	90.77	79.80	123.08	87.13	94.41	58.70	58.70	56.18	
4	77.35	59.96	77.35	67.46	100.43	106.43	108.82	83.47	186.99	57.44	66.21	85.91	
5	162.47	57.44	76.12	78.58	107.63	90.77	105.23	78.58	276.22	64.97	57.44	63.72	
6	198.51	59.96	72.42	74.88	117.15	83.47	101.64	81.03	204.89	57.44	53.65	57.44	
7	142.89	63.72	76.12	78.58	115.97	79.80	111.21	85.91	170.25	57.44	51.11	54.92	
8	120.71	74.88	62.47	79.80	111.21	79.80	121.89	81.03	148.13	59.96	49.83	52.38	
9	111.21	113.59	57.44	84.69	104.04	76.12	106.43	71.18	145.51	56.18	48.56	52.38	
10	105.23	102.84	56.18	96.82	89.56	90.77	111.21	61.21	134.99	53.65	47.28	51.11	
11	96.82	98.03	53.65	90.77	84.69	141.58	132.50	59.96	120.71	53.65	45.99	49.83	
12	93.20	117.15	57.44	94.41	78.58	124.26	115.97	61.21	112.40	52.38	44.71	48.56	
13	91.99	111.21	67.46	94.41	72.42	131.33	104.04	61.21	128.97	51.11	43.42	47.28	
14	89.56	107.63	71.18	90.77	71.18	146.82	98.03	64.97	154.66	49.83	42.12	47.28	
15	87.13	130.15	71.18	98.03	62.47	123.08	98.03	91.99	124.26	48.56	42.12	35.61	
16	84.69	110.02	83.47	105.23	53.65	114.78	93.20	93.20	114.78	47.28	40.83	30.99	
17	84.69	98.03	77.35	110.02	54.92	112.40	106.43	79.80	108.82	44.71	44.71	28.65	
18	83.47	93.20	64.97	104.04	57.44	107.63	115.97	83.47	155.97	43.42	44.71	27.48	
19	82.25	91.99	66.21	100.43	53.65	105.23	106.43	89.56	298.90	42.12	44.71	26.30	
20	79.80	100.43	61.21	107.63	52.38	108.82	114.78	77.35	215.47	42.12	44.71	26.30	
21	74.88	96.82	61.21	132.50	53.65	99.23	137.63	73.65	149.44	42.12	56.18	25.12	
22	73.65	94.41	67.46	119.53	54.92	94.41	120.71	78.58	121.89	40.83	57.44	25.12	
23	68.70	96.82	68.70	127.80	53.65	93.20	117.15	90.77	108.82	39.53	48.56	23.94	
24	67.46	96.82	69.94	125.44	53.65	93.20	118.34	137.63	99.23	39.53	45.99	23.94	
25	62.47	94.41	73.65	131.33	99.23	90.77	108.82	113.59	93.20	42.12	44.71	22.75	
26	61.21	93.20	74.88	128.97	77.35	87.13	105.23	112.40	87.13	43.42	43.42	22.75	
27	63.72	87.13	69.94	133.67	68.70	85.91	107.63	105.23	81.03	61.21	44.71	21.55	
28	54.92	77.35	62.47	145.51	63.72	83.47	104.04	102.84	74.88	56.18	49.83	22.75	
29	56.18	77.35	66.21	120.71	61.21	88.35	100.43	105.23	69.94	77.35		23.94	
30	53.65	83.47	74.88	114.78	68.70	115.97	96.82	96.82	67.46	72.42		22.75	
31		87.13		107.63	69.94		93.20		64.97	72.42		22.75	
Total	2638.58	2753.70	2090.73	3144.30	2403.70	2996.43	3423.88	2588.12	4097.08	1696.73	1384.07	1199.34	30416.66 Tonday
Mean	87.95	88.83	69.69	101.43	77.54	99.88	110.45	86.27	132.16	54.73	49.43	38.69	83.33 Ton/day
Max	198.51	130.15	88.35	145.51	117.15	146.82	137.63	137.63	298.90	87.13	66.21	85.91	298.90 Ton/day
Min	53.65	52.38	53.65	63.72	52.38	68.70	93.20	59.96	64.97	39.53	40.83	21.55	21.55 Ton/day

WATER YEAR : 2022**TAPI RIVER BASIN****Khlong Sin Pun at Ban Bang Rup , Surat Thani (X.198)**

Lat 08 - 24 - 52 N Long 99 - 15 - 00 E

Location : on right bank at Ban Bang Rup.

	Ban Bang Rup	Amphoe Phrasaeng	Changwat Surat Thani
Drainge Area	924 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US DH - 49		
Period of Available Records	2009 - Cont' d		
Actual Measurement	2009 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.8434		
Remarks	Continued Sediment Station		

$$QS = 3.3326 QW^{1.11950}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	21.88	23.48	145.86	32.94	324.63	85.79	77.91	127.34	447.56	30.76	22.20	7.20	
2	21.56	41.68	109.54	36.39	221.12	200.32	138.96	97.37	236.35	29.34	20.29	6.56	
3	12.43	20.29	50.12	43.88	156.63	234.00	217.62	96.20	140.62	27.93	19.97	7.00	
4	19.02	40.80	37.55	50.57	189.95	246.96	238.70	124.98	188.92	27.93	20.92	8.88	
5	14.37	57.80	42.12	94.44	202.52	128.17	226.96	90.92	263.08	29.67	20.92	10.89	
6	9.13	53.27	88.01	125.69	169.40	114.32	211.80	61.00	290.35	25.46	19.02	11.15	
7	23.80	82.63	40.80	172.47	101.12	81.58	251.87	57.34	269.33	24.12	17.24	9.63	
8	37.55	124.26	36.00	187.89	72.40	75.36	274.53	72.92	177.59	23.48	15.82	7.65	
9	61.45	100.48	36.77	194.09	60.54	105.00	291.79	80.53	145.86	23.48	14.37	7.00	
10	54.17	66.52	32.56	198.24	50.12	113.61	307.95	91.51	144.97	22.84	13.24	6.56	
11	37.55	86.32	36.77	200.32	43.44	74.37	324.63	65.59	125.69	24.77	12.68	6.12	
12	14.11	124.98	73.38	156.63	37.93	58.26	341.41	61.00	97.96	38.71	11.66	6.56	
13	6.32	153.93	69.45	166.34	34.47	81.58	350.59	58.26	83.68	36.39	11.15	6.76	
14	28.97	172.47	39.10	183.76	31.09	176.56	346.00	53.27	99.19	37.93	10.89	5.25	
15	68.99	172.47	32.56	171.44	28.26	173.49	294.68	64.67	96.20	54.17	10.38	5.25	
16	43.88	128.99	32.56	218.78	27.23	116.44	149.44	109.54	71.93	34.09	9.88	4.39	
17	33.32	57.34	34.09	283.14	49.22	65.59	87.43	151.23	61.45	27.56	9.63	3.97	
18	28.64	49.67	34.85	284.58	61.45	48.77	144.08	161.25	58.71	22.52	9.38	4.39	
19	26.16	89.17	32.18	277.40	77.91	37.93	214.12	153.93	74.89	20.29	9.38	4.16	
20	25.46	61.45	32.18	216.45	70.43	31.47	291.79	123.55	125.69	19.02	10.13	3.97	
21	24.77	25.84	35.62	181.70	48.33	30.38	362.88	111.49	129.82	17.82	10.64	3.75	
22	24.12	23.80	70.43	142.29	106.94	52.36	372.12	189.95	82.63	17.55	19.65	3.75	
23	19.02	21.56	130.65	101.77	88.59	54.62	381.39	344.46	61.91	16.97	14.37	3.75	
24	13.81	16.66	106.94	75.36	97.96	42.56	434.37	460.80	52.81	16.97	10.38	3.56	
25	9.13	15.25	62.37	101.77	81.05	41.68	443.79	519.46	46.99	16.39	9.63	3.75	
26	6.32	15.25	68.47	133.14	54.62	35.62	438.13	596.47	42.56	21.88	8.38	3.56	
27	6.12	15.25	51.46	199.28	42.56	29.67	420.27	657.61	39.10	51.46	8.14	2.96	
28	6.12	15.25	35.62	265.58	56.89	25.46	355.19	669.95	37.16	51.91	7.65	2.96	
29	6.12	15.25	32.94	304.93	53.72	31.09	190.99	633.06	35.24	41.68		2.78	
30	6.12	18.40	32.94	332.25	51.46	49.67	117.15	563.27	33.32	35.24		2.60	
31		84.21		338.35	38.71		121.41		31.80	27.23		2.78	
Total	710.41	1974.72	1663.89	5471.86	2730.69	2642.68	8419.95	6648.92	3793.36	895.56	377.99	169.54	35499.57 Tonday
Mean	23.68	63.70	55.46	176.51	88.09	88.09	271.61	221.63	122.37	28.89	13.50	5.47	97.26 Ton/day
Max	68.99	172.47	145.86	338.35	324.63	246.96	443.79	669.95	447.56	54.17	22.20	11.15	669.95 Ton/day
Min	6.12	15.25	32.18	32.94	27.23	25.46	77.91	53.27	31.80	16.39	7.65	2.60	2.60 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA EAST COAST****Lower Khlong Lang Suan at Thanon Luk Suea , Chumphon (X.212)**

Lat 09 - 57 - 17 N Long 99 - 04 - 48 E

Location : on left bank at the bridge.

	Ban -	Amphoe	Lang Suan	Changwat	Chumphon
Drainage Area	1,407 sq.km.				
Method of sampling	Depth Integrating				
Instrument Used	US DH - 49				
Period of Available Records	2015 - Cont' d				
Actual Measurement	2015 - Cont' d				
Using Rating Curve Water Year	2022				
Number of observation	20				
R-Square	0.7782				
Remarks	Continued Sediment Station				

$$QS = 0.7930 QW^{1.55740}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1098.00	1270.23	1399.81	1016.89	1147.72	1288.47	3075.75	1692.32	1672.20	1437.66	1306.79	1362.33	
2	1381.03	587.43	1732.80	1114.48	1288.47	1288.47	2899.32	1632.24	1794.16	1381.03	1252.09	1572.94	
3	1418.69	726.86	1325.21	953.63	1147.72	1081.60	2095.65	1814.79	2118.48	1437.66	1399.81	1877.16	
4	2423.34	1399.81	1098.00	1065.29	1000.94	922.55	1794.16	1732.80	5368.87	1553.35	1418.69	1456.72	
5	7671.13	1456.72	1016.89	1325.21	953.63	922.55	1672.20	2474.83	9470.58	1495.10	1343.73	1381.03	
6	5709.24	428.64	1049.07	1131.06	1032.94	1016.89	1612.38	3135.39	5868.72	1495.10	1216.08	1325.21	
7	2257.37	598.64	876.62	922.55	953.63	1131.06	1418.69	4958.29	3402.62	1475.87	1098.00	1325.21	
8	1732.80	1437.66	922.55	891.83	985.08	1919.16	1692.32	3439.66	5284.96	1362.33	1114.48	1198.22	
9	1418.69	1961.50	953.63	1000.94	907.14	1437.66	1437.66	2304.36	5795.49	1437.66	1198.22	1181.30	
10	1288.47	598.64	876.62	6233.66	985.08	1234.04	1533.84	1940.29	3316.74	1181.30	1098.00	1270.23	
11	1081.60	825.59	838.24	7116.40	1065.29	1016.89	2375.49	1961.50	2841.34	1216.08	985.08	1114.48	
12	1065.29	1712.51	907.14	7518.37	1049.07	1065.29	1475.87	1794.16	2899.32	1198.22	1000.94	969.31	
13	1000.94	2399.38	850.97	11350.56	1049.07	1198.22	1856.29	1592.62	2870.27	1032.94	876.62	1164.47	
14	938.04	751.12	1016.89	6278.10	953.63	953.63	1475.87	1794.16	2585.67	907.14	907.14	1325.21	
15	907.14	751.12	1032.94	4801.26	863.76	788.04	1572.94	3135.39	2234.00	891.83	1164.47	1198.22	
16	969.31	1773.62	969.31	2755.16	850.97	938.04	2118.48	3725.84	1961.50	938.04	1533.84	1131.06	
17	1032.94	3165.36	1000.94	2050.23	1114.48	1000.94	2841.34	2141.41	2072.90	1114.48	1652.18	1288.47	
18	1131.06	1270.23	1016.89	1652.18	1114.48	969.31	4416.66	6457.00	2987.07	1437.66	1381.03	1288.47	
19	1234.04	1553.35	938.04	1418.69	985.08	891.83	3659.85	2928.46	2841.34	1343.73	1362.33	1234.04	
20	1234.04	2812.51	907.14	1270.23	838.24	922.55	3286.26	1794.16	2027.66	1652.18	1592.62	1147.72	
21	1270.23	6774.37	969.31	1982.79	891.83	938.04	3758.99	1437.66	1814.79	1692.32	1672.20	1016.89	
22	1216.08	5882.21	876.62	3892.65	1856.29	1000.94	9353.52	1632.24	1794.16	1732.80	1475.87	922.55	
23	1147.72	4378.83	907.14	2447.40	1147.72	922.55	3627.02	1475.87	1982.79	1514.43	1252.09	850.97	
24	1065.29	3165.36	800.49	1940.29	1198.22	1049.07	3564.17	433.34	1961.50	1475.87	1234.04	825.59	
25	1000.94	4341.12	813.00	2164.43	1000.94	1164.47	2502.38	2027.66	1856.29	2257.37	1712.51	825.59	
26	938.04	3825.61	1049.07	1632.24	1049.07	1049.07	2257.37	2928.46	1794.16	1712.51	1919.16	788.04	
27	876.62	3627.02	907.14	1418.69	1000.94	953.63	2005.18	5159.98	1592.62	969.31	1632.24	825.59	
28	876.62	2698.24	850.97	1495.10	985.08	1081.60	2050.23	2726.64	1495.10	1712.51	1399.81	938.04	
29	850.97	4268.73	800.49	1475.87	1147.72	3105.52	2585.67	2187.53	1325.21	2210.72		907.14	
30	775.66	4062.05	679.21	1514.43	1198.22	2987.07	2005.18	1856.29	1216.08	1753.17		969.31	
31		2928.46		1081.60	1032.94		1961.50		1612.38	1632.24		985.08	
Total	47011.33	73432.92	29383.14	82912.21	32795.39	36239.15	79982.23	74315.34	87858.97	44652.61	37200.06	35666.59	661449.94 Tonday
Mean	1567.04	2368.80	979.44	2674.59	1057.92	1207.97	2580.07	2477.18	2834.16	1440.41	1328.57	1150.54	1812.19 Ton/day
Max	7671.13	6774.37	1732.80	11350.56	1856.29	3105.52	9353.52	6457.00	9470.58	2257.37	1919.16	1877.16	11350.56 Ton/day
Min	775.66	428.64	679.21	891.83	838.24	788.04	1418.69	433.34	1216.08	891.83	876.62	788.04	428.64 Ton/day

WATER YEAR : 2022

SOUTHERN PENINSULA EAST COAST

Khlong Rap Ro at Ban Hat Nai , Chumphon (X.248)

Lat 10 - 38 - 16 N Long 99 - 03 - 01 E

Location : on left bank at Ban Hat Nai.

	Ban Hat Nai	Amphoe Tha Sae	Changwat Chumphon
Drainage Area	626 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US DH - 49		
Period of Available Records	2006 - Cont' d		
Actual Measurement	2006 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	22		
R-Square	0.7721		
Remarks	Continued Sediment Station		

$$QS = 4.8701 QW^{1.29000}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	467.41	292.19	495.64	158.84	355.10	695.27	866.31	296.93	292.19	196.90	78.17	47.03	
2	232.20	365.02	710.64	223.26	410.39	360.06	687.62	282.77	282.77	192.58	74.67	47.03	
3	179.76	335.46	380.01	553.19	453.44	316.06	876.40	268.76	268.76	188.29	71.21	44.95	
4	171.32	201.24	345.25	467.41	345.25	320.89	679.98	259.51	345.25	179.76	78.17	44.95	
5	179.76	250.33	316.06	619.58	311.26	439.56	509.90	264.12	5925.90	175.53	99.89	44.95	
6	162.97	1177.35	301.69	766.98	311.26	524.24	695.27	410.39	3072.94	167.13	85.28	42.89	
7	150.63	826.26	355.10	481.48	410.39	538.67	856.26	375.00	1314.99	162.97	78.17	42.89	
8	130.57	1786.14	306.46	446.48	360.06	846.23	589.87	330.58	906.80	158.84	71.21	42.89	
9	118.85	642.08	264.12	410.39	340.34	553.19	446.48	282.77	1007.69	154.72	71.21	40.85	
10	107.38	432.65	250.33	2601.18	524.24	410.39	400.21	259.51	545.92	154.72	71.21	40.85	
11	134.53	589.87	236.71	2448.81	474.43	355.10	370.00	245.77	446.48	150.63	71.21	40.85	
12	103.62	766.98	236.71	3949.37	360.06	320.89	345.25	236.71	400.21	259.51	66.65	38.83	
13	92.52	405.29	218.81	2557.44	330.58	335.46	325.73	232.20	370.00	171.32	53.40	38.83	
14	78.17	335.46	236.71	1880.27	301.69	335.46	316.06	227.72	345.25	162.97	51.25	36.84	
15	62.16	306.46	345.25	1053.75	287.47	311.26	330.58	1076.95	330.58	154.72	64.39	40.85	
16	53.40	292.19	264.12	702.95	296.93	301.69	316.06	1123.70	316.06	142.53	71.21	40.85	
17	49.13	259.51	214.39	538.67	316.06	273.41	425.78	619.58	301.69	134.53	188.29	38.83	
18	49.13	287.47	201.24	453.44	415.51	292.19	3532.58	642.08	287.47	130.57	122.73	34.87	
19	126.63	385.04	192.58	453.44	311.26	287.47	973.45	702.95	273.41	130.57	96.19	32.93	
20	107.38	311.26	184.01	453.44	311.26	350.17	856.26	395.14	264.12	122.73	81.71	32.93	
21	68.92	634.56	179.76	1147.24	325.73	380.01	728.02	350.17	259.51	118.85	74.67	32.93	
22	59.94	2946.39	175.53	836.23	567.80	282.77	657.18	340.34	250.33	115.00	71.21	32.93	
23	146.57	5925.90	223.26	517.06	335.46	259.51	531.45	375.00	245.77	107.38	68.92	31.01	
24	74.67	1575.83	201.24	460.41	306.46	254.91	553.19	355.10	236.71	107.38	55.56	44.95	
25	57.74	996.24	188.29	1177.35	278.08	273.41	453.44	311.26	232.20	103.62	53.40	40.85	
26	74.67	597.27	175.53	664.76	282.77	236.71	439.56	405.29	223.26	107.38	51.25	47.03	
27	118.85	627.06	171.32	634.56	292.19	241.23	400.21	664.76	218.81	99.89	53.40	44.95	
28	88.88	619.58	167.13	642.08	380.01	439.56	355.10	488.55	214.39	96.19	51.25	34.87	
29	134.53	657.18	171.32	664.76	672.36	1507.07	502.76	350.17	209.99	88.88		31.01	
30	130.57	524.24	158.84	502.76	355.10	627.06	370.00	306.46	201.24	85.28		31.01	
31		425.78		385.04	355.10		316.06		201.24	78.17		88.88	
Total	3712.86	25778.28	7868.05	28852.62	11378.04	12669.90	19707.02	12480.24	19791.93	4399.54	2125.88	1276.31	150040.67 Ton/day
Mean	123.76	831.56	262.27	930.73	367.03	422.33	635.71	416.01	638.45	141.92	75.92	41.17	411.07 Ton/day
Max	467.41	5925.90	710.64	3949.37	672.36	1507.07	3532.58	1123.70	5925.90	259.51	188.29	88.88	5925.90 Ton/day
Min	49.13	201.24	158.84	158.84	278.08	236.71	316.06	227.72	201.24	78.17	51.25	31.01	31.01 Ton/day

WATER YEAR : 2022**TAPI RIVER BASIN****Khlong I - Pan at Ban Mai , Surat Thani (X.258)**

Lat 08 - 32 - 53 N Long 99 - 06 - 36 E

Location : on left bank at Ban Mai.

	Ban Mai	Amphoe Phrasaeng	Changwat	Surat Thani
Drainage Area	1,044 sq.km.			
Method of sampling	Depth Integrating			
Instrument Used	US DH - 49			
Period of Available Records	2019 - Cont' d			
Actual Measurement	2019 - Cont' d			
Using Rating Curve Water Year	2022			
Number of observation	20			
R-Square	0.8753			
Remarks	Continued Sediment Station			

$$QS = 1.2254 QW^{1.44680}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	42.07	73.37	337.58	33.34	201.81	268.23	256.89	146.59	217.43	44.90	29.53	11.15	
2	33.99	78.38	112.96	76.72	291.47	657.13	209.57	168.03	224.04	42.76	27.05	11.15	
3	24.06	98.50	69.27	93.12	485.91	557.76	126.09	123.87	221.39	40.03	25.86	12.00	
4	17.37	216.11	62.89	62.11	485.91	248.80	224.04	98.50	261.70	40.03	25.86	12.00	
5	12.00	122.77	100.29	250.44	298.22	158.39	199.24	95.76	278.12	39.30	24.69	11.57	
6	36.64	85.19	67.67	376.12	147.76	133.95	217.43	93.12	197.96	37.30	22.35	10.32	
7	58.22	222.71	56.65	229.37	99.39	152.46	255.22	82.64	179.07	38.63	21.23	9.91	
8	35.28	177.84	54.40	126.09	82.64	119.47	319.14	86.05	388.03	37.96	20.08	9.91	
9	39.30	130.56	58.22	91.30	69.27	93.12	177.84	206.98	834.14	34.63	19.00	8.71	
10	37.96	68.47	41.39	364.33	59.74	66.88	105.51	165.60	848.79	32.71	17.93	9.11	
11	33.34	75.01	31.40	485.91	52.92	55.90	209.57	95.76	516.57	55.15	17.93	7.94	
12	21.79	119.47	34.63	301.61	47.02	58.22	229.37	136.22	306.77	68.47	16.85	7.57	
13	20.63	166.81	37.96	566.58	42.76	71.75	154.82	174.14	258.46	39.30	15.32	7.20	
14	21.23	191.60	37.30	566.58	38.63	81.80	124.98	166.81	245.60	46.31	16.33	6.83	
15	29.53	130.56	37.96	279.83	35.28	71.75	129.44	114.04	165.60	47.02	15.82	6.47	
16	24.06	114.04	83.49	311.86	33.99	46.31	80.05	238.80	126.09	32.07	13.79	6.47	
17	17.37	69.27	100.29	443.54	53.66	37.30	94.88	308.43	106.57	27.05	12.43	5.78	
18	17.37	102.37	205.68	354.59	57.46	32.07	376.12	426.36	135.09	24.69	13.31	5.78	
19	46.31	87.83	100.29	237.44	54.40	28.31	523.69	423.99	165.60	24.06	33.34	5.78	
20	26.46	80.89	50.67	177.84	39.30	29.53	748.50	458.38	129.44	23.49	30.15	5.78	
21	24.06	46.31	34.63	397.50	37.96	27.05	1191.84	629.53	105.51	22.35	35.98	5.16	
22	19.00	38.63	42.76	730.32	59.74	25.86	1818.86	503.78	90.43	21.79	24.06	5.44	
23	16.33	32.71	52.13	448.47	112.96	44.90	1568.69	599.30	80.05	20.63	19.00	5.78	
24	17.93	25.86	58.22	343.22	90.43	49.94	1093.71	910.94	71.75	40.70	15.82	5.78	
25	15.32	21.79	52.92	463.35	85.19	28.31	765.92	1043.50	66.02	98.50	13.31	4.61	
26	17.37	19.54	37.96	587.34	123.87	31.40	491.21	910.94	59.74	145.43	13.31	4.35	
27	32.71	17.37	31.40	501.17	322.80	29.53	348.28	570.24	55.90	96.65	12.87	4.09	
28	17.93	16.85	31.40	426.36	221.39	24.69	440.70	526.92	52.92	64.45	11.57	4.09	
29	78.38	47.73	30.15	339.49	80.89	38.63	299.57	313.72	50.67	61.28		4.35	
30	144.27	433.73	25.27	283.15	127.20	169.24	264.96	240.15	48.50	37.96		4.35	
31		681.97		210.88	91.30		166.81		46.31	32.71		9.50	
Total	978.28	3794.24	2077.83	10159.97	4031.27	3438.68	13212.94	10059.09	6534.26	1418.31	564.77	228.93	56498.57 Ton/day
Mean	32.61	122.39	69.26	327.74	130.04	114.62	426.22	335.30	210.78	45.75	20.17	7.38	154.79 Ton/day
Max	144.27	681.97	337.58	730.32	485.91	657.13	1818.86	1043.50	848.79	145.43	35.98	12.00	1818.86 Ton/day
Min	12.00	16.85	25.27	33.34	33.99	24.69	80.05	82.64	46.31	20.63	11.57	4.09	4.09 Ton/day

WATER YEAR : 2022**THALE SAP SONGKHLA****Khlong Ratthaphum at Ban Nasithong , Songkhla (X.67A)**

Lat 07 - 06 - 50 N Long 100 - 12 - 16 E

Location : on right bank at Ban Nasithong.

	Ban Nasithong	Amphoe Ratthaphum	Changwat Songkhla
Drainge Area	257 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US D-59		
Period of Available Records	2008 - Cont' d		
Actual Measurement	2008 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	23		
R-Square	0.9357		
Remarks	Continued Sediment Station		

$$QS = 1.3917 QW^{1.60030}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	32.34	38.64	44.53	15.34	31.33	45.84	202.40	112.95	68.76	137.01	70.31	29.35	
2	99.37	40.83	41.94	16.11	41.94	35.44	74.23	112.95	72.26	129.61	62.71	26.47	
3	325.95	34.39	39.73	16.90	39.73	27.42	44.53	78.23	139.51	117.62	72.26	24.61	
4	115.28	25.53	31.33	19.35	34.39	23.70	39.73	103.83	522.00	110.65	74.23	22.81	
5	70.31	31.33	149.67	20.19	25.53	23.70	48.52	1088.14	522.00	106.08	59.76	21.92	
6	59.76	67.23	225.06	19.35	21.05	21.05	157.48	3958.89	279.84	101.59	54.03	20.19	
7	49.87	43.23	304.66	17.70	19.35	20.19	84.37	1013.25	174.61	313.11	49.87	18.52	
8	41.94	78.23	86.46	16.11	17.70	18.52	115.28	432.54	171.62	398.54	48.52	16.11	
9	38.64	119.99	56.87	15.34	15.34	16.90	61.23	240.25	644.13	244.11	45.84	14.58	
10	39.73	59.76	47.17	15.34	15.34	15.34	64.20	259.76	497.53	154.86	44.53	13.83	
11	34.39	94.99	47.17	15.34	15.34	15.34	108.36	283.92	904.72	162.76	44.53	13.83	
12	32.34	183.70	41.94	15.34	15.34	14.58	124.76	388.37	404.14	208.78	43.23	13.83	
13	72.26	62.71	36.49	15.34	15.34	14.58	62.71	404.14	292.15	117.62	43.23	13.10	
14	39.73	56.87	32.34	15.34	15.34	14.58	122.37	455.78	212.00	112.95	41.94	13.10	
15	34.39	55.44	30.33	15.34	49.87	14.58	56.87	1078.67	684.67	99.37	40.83	12.39	
16	44.53	39.73	31.33	15.34	38.64	16.11	55.44	677.85	240.25	84.37	39.73	12.39	
17	39.73	47.17	29.35	15.34	32.34	16.11	88.56	1273.90	225.06	76.22	38.64	11.69	
18	101.59	37.56	39.73	16.11	30.33	16.11	671.06	338.98	4732.92	68.76	38.64	11.69	
19	41.94	32.34	33.36	16.11	27.42	16.11	1626.63	247.99	4903.41	80.25	37.56	11.00	
20	90.69	27.42	29.35	15.34	22.81	16.11	392.98	180.65	3871.26	127.18	37.56	11.00	
21	61.23	26.47	25.53	15.34	18.52	16.11	202.40	157.48	1576.50	244.11	36.49	10.33	
22	41.94	26.47	22.81	15.34	16.11	16.11	212.00	134.52	967.47	147.11	35.44	10.33	
23	37.56	24.61	20.19	15.34	15.34	16.11	132.06	132.06	591.54	154.86	34.39	9.68	
24	32.34	21.92	19.35	15.34	15.34	14.58	101.59	726.13	432.54	134.52	33.36	9.04	
25	27.42	19.35	20.19	15.34	15.34	11.00	78.23	199.23	343.36	110.65	32.34	8.42	
26	25.53	17.70	19.35	16.11	14.58	9.04	68.76	137.01	283.92	92.83	32.34	7.82	
27	24.61	16.90	18.52	139.51	14.58	12.39	317.37	115.28	240.25	76.22	32.34	7.23	
28	22.81	16.11	17.70	48.52	14.58	30.33	611.06	97.17	208.78	70.31	32.34	7.23	
29	20.19	19.35	16.11	45.84	14.58	62.71	212.00	84.37	186.77	86.46		6.66	
30	22.81	65.71	15.34	31.33	14.58	134.52	142.02	74.23	165.69	139.51		6.11	
31		54.03		27.42	38.64		122.37		149.67	88.56		6.11	
Total	1721.22	1485.71	1573.90	712.10	716.66	725.21	6401.57	14588.52	24709.33	4296.58	1256.99	421.37	58609.16 Tonday
Mean	57.37	47.93	52.46	22.97	23.12	24.17	206.50	486.28	797.08	138.60	44.89	13.59	160.57 Ton/day
Max	325.95	183.70	304.66	139.51	49.87	134.52	1626.63	3958.89	4903.41	398.54	74.23	29.35	4903.41 Ton/day
Min	20.19	16.11	15.34	15.34	14.58	9.04	39.73	74.23	68.76	68.76	32.34	6.11	6.11 Ton/day

WATER YEAR : 2022**THALE SAP SONGKHLA****Khlong U - Taphao at Ban Bang Sala , Songkhla (X.90)**

Lat 06 - 55 - 52 N Long 100 - 26 - 24 E

Location : on left bank at the bridge near Wat Bang Sala, Tambon Thung Lan.

	Ban Bang Sala	Amphoe Khlong Hoi Khong	Changwat Songkhla
Drainage Area	1,534 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US D-48		
Period of Available Records	1982 - Cont' d		
Actual Measurement	1982 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	28		
R-Square	0.7968		
Remarks	Continued Sediment Station		

$$QS = 1.4419 QW^{1.46870}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	301.41	261.54	228.83	261.54	313.14	343.05	349.14	731.57	284.10	50.77	48.80	104.72	
2	325.00	223.51	182.46	187.45	192.48	553.81	386.37	731.57	343.05	71.74	80.76	147.88	
3	525.75	267.12	284.10	295.61	182.46	418.31	437.85	794.24	640.72	42.43	47.50	60.97	
4	484.54	177.52	234.18	213.00	272.74	319.05	330.98	762.70	874.84	32.84	102.24	30.01	
5	367.61	213.00	228.83	187.45	250.48	158.20	267.12	663.07	1000.31	30.01	102.24	60.97	
6	361.42	444.43	611.30	284.10	239.57	228.83	255.99	2291.09	770.55	25.66	52.76	120.02	
7	307.26	568.01	1443.59	153.48	234.18	182.46	373.83	2959.74	424.79	47.50	52.76	174.58	
8	228.83	424.79	1432.08	261.54	289.84	126.15	582.33	2660.51	685.67	284.10	46.22	215.09	
9	197.54	604.02	891.26	245.01	218.24	202.66	457.68	2171.93	5016.33	289.84	41.19	117.42	
10	177.52	1132.79	762.70	158.20	167.77	92.49	405.44	1352.35	7144.95	178.51	87.74	58.88	
11	177.52	2264.44	648.14	213.00	167.77	207.81	491.34	1219.12	6233.62	76.21	122.63	83.06	
12	158.20	1826.91	491.34	92.49	130.58	121.76	343.05	1655.68	4857.11	69.54	135.97	109.75	
13	162.96	991.78	471.05	239.57	202.66	218.24	411.86	2029.08	3061.72	63.08	92.49	85.39	
14	399.05	457.68	424.79	218.24	121.76	239.57	424.79	2317.85	2016.24	107.22	28.35	27.26	
15	444.43	295.61	464.35	267.12	313.14	153.48	431.30	3381.75	1329.84	107.22	29.45	15.78	
16	444.43	202.66	295.61	261.54	399.05	289.84	218.24	4000.78	858.52	141.43	32.27	28.90	
17	477.78	255.99	301.41	177.52	313.14	130.58	261.54	3032.47	747.09	112.29	32.84	36.34	
18	355.26	284.10	202.66	135.07	234.18	239.57	457.68	2494.15	2590.78	35.16	25.66	29.45	
19	272.74	213.00	261.54	223.51	234.18	162.96	625.96	1631.66	10565.40	33.42	14.88	26.72	
20	192.48	172.63	307.26	92.49	207.81	234.18	604.02	1432.08	9774.12	35.16	13.56	24.08	
21	182.46	223.51	255.99	162.96	135.07	153.48	505.01	1329.84	7357.10	44.94	24.60	29.45	
22	126.15	121.76	172.63	182.46	139.60	250.48	802.19	907.77	5621.85	87.74	26.19	76.21	
23	177.52	108.90	177.52	177.52	108.90	148.81	794.24	648.14	2873.21	78.47	47.50	147.88	
24	139.60	148.81	223.51	319.05	234.18	239.57	802.19	866.67	1631.66	39.96	87.74	166.81	
25	167.77	158.20	284.10	313.14	213.00	272.74	648.14	625.96	1132.79	34.58	97.32	170.68	
26	153.48	135.07	197.54	255.99	144.18	192.48	444.43	484.54	810.16	30.01	37.54	186.45	
27	284.10	148.81	153.48	207.81	177.52	250.48	1241.02	546.75	685.67	52.76	21.02	133.27	
28	464.35	126.15	411.86	278.40	255.99	167.77	1274.10	386.37	633.33	38.74	35.16	50.77	
29	319.05	213.00	289.84	361.42	267.12	144.18	1104.46	373.83	457.68	32.84		32.27	
30	207.81	284.10	207.81	234.18	202.66	245.01	883.04	325.00	464.35	26.72		34.00	
31		295.61		255.99	228.83		802.19		373.83	21.02		33.42	
Total	8584.02	13245.45	12541.76	6916.85	6792.22	6688.00	17417.52	44808.26	81261.38	2321.91	1567.38	2618.48	204763.23 Tonday
Mean	286.13	427.27	418.06	223.12	219.10	222.93	561.86	1493.61	2621.33	74.90	55.98	84.47	561.00 Ton/day
Max	525.75	2264.44	1443.59	361.42	399.05	553.81	1274.10	4000.78	10565.40	289.84	135.97	215.09	10565.40 Ton/day
Min	126.15	108.90	153.48	92.49	108.90	92.49	218.24	325.00	284.10	21.02	13.56	15.78	13.56 Ton/day

WATER YEAR : 2022**THALE SAP SONGKHLA****Khlong Bang Kaeo at Ban Khuan In No Mo , Phutthalung (X.109)**

Lat 07 - 20 - 43 N Long 100 - 03 - 24 E

Location : on left bank at Ban Khuan In No Mo.

	Ban	Khuan In No Mo	Amphoe	Ta Mot	Changwat	Phatthalung
Drainge Area	121	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.D-49					
Period of Available Records	2005 - Cont'd					
Actual Measurement	2005 - Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	21					
R-Square	0.9218					
Remarks	Continued Sediment Station					

$$QS = 1.0897 QW^{1.51120}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	21.52	19.31	17.17	15.12	14.33	8.85	17.17	39.44	16.75	33.24	58.79	14.72	
2	22.43	26.20	16.34	14.33	14.33	8.85	12.03	370.72	21.07	31.69	43.68	15.12	
3	180.42	26.20	21.52	13.93	13.55	8.85	12.03	108.74	88.86	29.15	76.06	13.93	
4	71.94	30.66	16.75	13.93	13.55	8.85	10.94	55.40	412.30	29.15	65.26	13.93	
5	62.64	25.24	15.52	12.78	13.16	8.52	17.17	123.27	158.63	29.15	41.96	13.16	
6	32.20	24.76	14.33	12.03	13.16	8.52	33.77	166.24	58.79	28.65	34.83	12.78	
7	25.72	30.15	18.87	11.66	12.78	8.52	105.40	148.79	305.95	35.36	30.66	12.40	
8	23.36	43.68	14.33	11.30	12.78	8.52	56.27	196.89	206.03	39.44	24.76	12.03	
9	21.07	57.53	13.93	10.94	12.40	8.52	24.76	189.30	319.36	32.72	23.36	12.03	
10	20.63	27.66	13.93	10.58	12.40	8.52	20.63	94.84	137.81	28.15	21.98	11.66	
11	20.18	25.24	13.55	10.58	12.03	8.19	22.89	106.40	188.83	26.20	21.07	11.30	
12	19.31	24.29	13.55	10.23	11.66	8.19	24.76	129.52	91.79	24.29	20.18	11.30	
13	18.44	22.89	13.16	10.23	11.30	8.19	24.29	187.42	122.86	34.30	19.31	10.94	
14	17.59	22.43	13.16	10.23	10.94	8.19	21.07	202.65	58.79	27.17	18.44	10.58	
15	17.17	21.98	12.78	10.23	50.74	7.87	19.31	419.06	83.09	23.82	17.59	10.58	
16	16.75	21.52	12.78	9.88	14.33	7.55	23.36	263.24	166.69	21.98	17.17	9.53	
17	16.34	20.63	14.33	9.88	12.78	7.55	28.15	92.61	238.87	20.63	24.29	7.87	
18	16.34	19.31	12.78	9.88	12.03	7.55	25.72	81.66	3612.44	19.74	18.44	7.87	
19	15.93	18.44	26.68	9.88	33.24	7.55	36.97	88.86	2534.52	22.43	18.44	7.87	
20	33.24	17.59	15.52	9.88	10.23	7.87	48.94	40.28	684.53	25.72	18.01	7.55	
21	20.63	16.75	14.72	9.88	8.85	7.55	30.66	35.36	342.70	115.61	21.52	7.55	
22	15.52	16.34	14.33	14.72	10.58	7.24	29.65	38.61	198.80	63.94	23.82	7.24	
23	13.93	15.52	12.03	12.40	9.19	7.24	49.84	41.12	140.96	58.79	17.59	7.24	
24	12.78	14.72	14.72	13.93	8.85	8.19	32.20	43.68	109.91	94.76	16.34	7.24	
25	12.40	13.93	12.78	12.40	9.53	7.24	27.17	26.68	90.40	93.27	15.52	6.93	
26	12.40	13.16	12.78	11.30	8.85	6.93	26.68	23.82	71.13	120.43	15.12	6.93	
27	34.30	12.78	12.40	19.74	8.85	7.55	53.79	21.98	56.34	60.07	14.72	7.24	
28	14.72	12.40	12.03	13.55	14.72	16.75	36.97	19.74	50.74	76.06	14.33	7.24	
29	12.78	16.34	12.03	19.74	10.94	12.03	30.66	18.44	45.41	60.07		7.87	
30	20.63	16.34	16.34	14.72	9.53	14.72	28.15	17.17	40.28	163.99		9.53	
31		17.17		12.03	8.85		30.15		36.16	106.95		8.52	
Total	843.31	691.16	445.14	381.91	420.46	260.66	961.55	3391.93	10690.79	1576.92	753.24	310.68	20727.75 Tonday
Mean	28.11	22.30	14.84	12.32	13.56	8.69	31.02	113.06	344.86	50.87	26.90	10.02	56.79 Ton/day
Max	180.42	57.53	26.68	19.74	50.74	16.75	105.40	419.06	3612.44	163.99	76.06	15.12	3612.44 Ton/day
Min	12.40	12.40	12.03	9.88	8.85	6.93	10.94	17.17	16.75	19.74	14.33	6.93	6.93 Ton/day

WATER YEAR : 2022**THALE SAP SONGKHLA****Khlong La Pang at Ban Thung Prap , Songkhla (X.113)**

Lat 06 - 38 - 06 N Long 100 - 23 - 36 E

Location : on right bank at Ban Thung Prap.

	Ban Thung Prap	Amphoe Sadao	Changwat Songkhla
Drainge Area	117 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US D-49		
Period of Available Records	1981 - Cont' d		
Actual Measurement	1981 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	19		
R-Square	0.7385		
Remarks	Continued Sediment Station		

$$QS = 3.7522 QW^{1.24300}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	18.44	27.05	115.02	27.74	16.55	42.14	32.65	51.30	19.72	17.18	14.09	7.79	
2	35.52	26.37	32.65	22.33	15.93	44.40	19.72	100.20	23.00	16.55	12.90	7.79	
3	85.78	20.37	23.66	14.70	64.44	15.93	31.94	26.37	25.01	16.55	14.09	6.73	
4	19.72	15.31	21.02	31.23	27.05	13.49	56.01	29.82	27.05	16.55	14.70	6.73	
5	15.93	29.82	130.24	54.83	19.72	11.72	17.18	28.43	22.33	16.55	12.90	6.21	
6	18.44	112.30	53.65	39.91	27.74	11.72	17.81	46.68	20.37	17.18	12.31	6.21	
7	36.24	97.54	27.74	43.27	38.44	11.72	21.68	56.01	24.33	21.68	12.31	5.70	
8	19.08	102.86	23.66	16.55	18.44	11.72	21.68	152.99	27.74	23.00	11.72	5.70	
9	23.66	248.75	23.00	14.09	15.93	11.14	18.44	27.74	140.11	19.72	11.14	5.70	
10	24.33	32.65	24.33	13.49	14.70	10.00	19.72	29.13	123.28	16.55	10.57	5.70	
11	14.09	31.94	30.52	14.09	13.49	9.44	34.80	96.22	80.66	16.55	14.70	5.20	
12	15.93	23.66	44.40	41.40	12.90	10.00	25.01	75.59	31.23	31.94	9.44	5.20	
13	22.33	21.68	21.02	76.85	13.49	10.00	17.81	29.82	31.94	223.59	8.88	4.71	
14	25.69	20.37	20.37	48.98	16.55	8.88	19.72	32.65	24.33	124.66	8.88	3.75	
15	39.91	19.72	21.02	32.65	38.44	8.88	14.09	102.86	21.68	27.05	8.33	3.75	
16	14.70	30.52	19.08	19.72	17.81	17.18	66.88	34.08	19.72	22.33	7.79	3.75	
17	13.49	26.37	30.52	18.44	19.08	17.81	58.39	44.40	20.37	19.72	7.79	3.75	
18	14.09	17.81	50.14	16.55	15.93	32.65	46.68	84.50	71.83	19.08	7.79	3.75	
19	12.31	16.55	21.68	15.93	12.31	14.70	48.98	59.59	209.17	20.37	7.79	3.29	
20	19.08	15.31	17.81	14.70	11.72	19.08	31.23	29.13	50.14	18.44	7.79	3.29	
21	15.31	14.70	15.93	14.70	13.49	15.93	48.98	23.66	32.65	21.02	7.79	3.29	
22	13.49	17.81	15.93	15.93	11.72	14.09	126.05	22.33	34.80	25.01	7.79	7.26	
23	11.14	15.31	23.66	42.14	10.57	11.72	26.37	24.33	26.37	19.08	7.26	3.75	
24	10.57	14.09	29.13	59.59	11.14	11.14	21.02	23.00	23.66	21.68	6.73	3.75	
25	70.59	13.49	21.68	36.24	10.57	10.57	18.44	19.08	21.68	26.37	6.73	3.29	
26	182.40	19.72	15.31	42.14	10.00	10.00	29.13	20.37	20.37	18.44	6.73	5.70	
27	27.74	14.09	14.09	123.28	10.57	7.79	85.78	25.01	19.72	15.93	6.73	10.00	
28	22.33	19.08	15.93	27.05	51.30	19.08	134.45	18.44	19.08	15.31	6.73	3.75	
29	19.72	46.68	14.09	21.02	15.31	115.02	92.28	18.44	18.44	14.70		3.29	
30	19.08	50.14	21.02	23.00	12.31	71.83	29.13	20.37	18.44	14.70		3.29	
31		37.70		29.13	21.02		27.74		17.81	14.70		2.84	
Total	881.13	1199.76	938.30	1011.67	608.66	619.77	1259.79	1352.54	1267.03	912.18	272.40	154.91	10478.14 Tonday
Mean	29.37	38.70	31.28	32.63	19.63	20.66	40.64	45.08	40.87	29.43	9.73	5.00	28.71 Ton/day
Max	182.40	248.75	130.24	123.28	64.44	115.02	134.45	152.99	209.17	223.59	14.70	10.00	248.75 Ton/day
Min	10.57	13.49	14.09	13.49	10.00	7.79	14.09	18.44	17.81	14.70	6.73	2.84	2.84 Ton/day

WATER YEAR : 2022**THALE SAP SONGKHLA****Khlong Lam at Ban Khlong Lam , Phatthalung (X.170)**

Lat 07 - 33 - 32 N Long 99 - 59 - 15 E

Location : on left bank at the bridge.

	Ban Khlong Lam	Amphoe Srinagarindra	Changwat Phatthalung
Drainage Area	209 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US D-59		
Period of Available Records	2005 - Cont'd		
Actual Measurement	2005 - Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	20		
R-Square	0.7087		
Remarks	Continued Sediment Station		

$$QS = 0.9098 QW^{1.83660}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	123.57	108.37	131.51	74.40	56.84	37.73	348.50	427.48	174.55	174.55	174.55	80.73	
2	156.67	74.40	193.30	74.40	80.73	80.73	115.86	427.48	212.92	156.67	165.50	68.31	
3	174.55	68.31	203.00	68.31	165.50	41.45	87.29	323.81	276.93	148.06	183.81	62.45	
4	299.95	87.29	123.57	62.45	80.73	62.45	62.45	311.78	323.81	148.06	203.00	62.45	
5	323.81	108.37	123.57	123.57	62.45	56.84	115.86	348.50	323.81	148.06	174.55	56.84	
6	299.95	183.81	139.67	74.40	51.46	34.16	336.05	374.01	288.33	139.67	165.50	51.46	
7	254.74	400.34	174.55	74.40	80.73	30.76	387.07	413.81	299.95	203.00	156.67	51.46	
8	212.92	276.93	108.37	56.84	51.46	37.73	400.34	455.43	336.05	299.95	148.06	46.34	
9	183.81	427.48	94.09	56.84	41.45	30.76	203.00	361.15	311.78	203.00	139.67	46.34	
10	156.67	323.81	80.73	62.45	41.45	27.52	148.06	323.81	265.73	165.50	139.67	41.45	
11	139.67	311.78	80.73	62.45	37.73	24.44	174.55	311.78	254.74	139.67	131.51	41.45	
12	123.57	288.33	68.31	68.31	34.16	27.52	139.67	323.81	254.74	165.50	123.57	37.73	
13	115.86	233.41	68.31	56.84	30.76	27.52	108.37	299.95	243.97	174.55	108.37	37.73	
14	101.11	233.41	74.40	56.84	46.34	30.76	183.81	361.15	233.41	265.73	101.11	37.73	
15	212.92	183.81	165.50	62.45	123.57	24.44	148.06	387.07	243.97	193.30	94.09	34.16	
16	139.67	165.50	223.06	51.46	80.73	51.46	254.74	374.01	254.74	139.67	87.29	34.16	
17	101.11	148.06	203.00	51.46	51.46	41.45	311.78	299.95	265.73	123.57	94.09	34.16	
18	101.11	123.57	276.93	46.34	41.45	27.52	348.50	276.93	1616.53	115.86	87.29	34.16	
19	139.67	115.86	148.06	41.45	56.84	46.34	591.10	254.74	3305.45	139.67	94.09	30.76	
20	243.97	101.11	123.57	37.73	37.73	24.44	690.41	233.41	427.48	131.51	94.09	30.76	
21	156.67	108.37	131.51	68.31	37.73	24.44	374.01	223.06	323.81	193.30	101.11	30.76	
22	123.57	108.37	108.37	51.46	56.84	21.53	265.73	212.92	288.33	139.67	203.00	27.52	
23	94.09	101.11	87.29	68.31	41.45	24.44	336.05	223.06	265.73	148.06	123.57	27.52	
24	87.29	80.73	183.81	148.06	34.16	30.76	361.15	288.33	243.97	148.06	87.29	27.52	
25	80.73	74.40	165.50	94.09	34.16	24.44	265.73	233.41	233.41	193.30	80.73	27.52	
26	74.40	68.31	94.09	68.31	34.16	21.53	223.06	212.92	223.06	243.97	80.73	24.44	
27	74.40	62.45	74.40	148.06	30.76	18.79	299.95	203.00	212.92	183.81	80.73	24.44	
28	62.45	68.31	87.29	101.11	46.34	41.45	441.35	203.00	212.92	174.55	74.40	18.79	
29	56.84	123.57	74.40	87.29	30.76	139.67	288.33	193.30	203.00	174.55		18.79	
30	56.84	254.74	62.45	74.40	30.76	156.67	233.41	183.81	193.30	183.81		18.79	
31		243.97		62.45	30.76		361.15		183.81	183.81		18.79	
Total	4472.58	5258.28	3873.34	2235.24	1661.45	1269.74	8605.39	9066.87	12498.88	5342.44	3498.04	1185.51	58967.76 Tondays
Mean	149.09	169.62	129.11	72.10	53.60	42.32	277.59	302.23	403.19	172.34	124.93	38.24	161.56 Ton/day
Max	323.81	427.48	276.93	148.06	165.50	156.67	690.41	455.43	3305.45	299.95	203.00	80.73	3305.45 Ton/day
Min	56.84	62.45	62.45	37.73	30.76	18.79	62.45	183.81	174.55	115.86	74.40	18.79	18.79 Ton/day

WATER YEAR : 2022**THALE SAP SONGKHLA****Khlong Wa at Ban Khlong Wa , Songkhla (X.174)**

Lat 06 - 59 - 11 N Long 100 - 28 - 55 E

Location : on right bank at the bridge.

	Ban Khlong Wa	Amphoe Hat Yai	Changwat Songkhla
Drainage Area	106 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US D-49		
Period of Available Records	2003 - Cont' d		
Actual Measurement	2003 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	29		
R-Square	0.9126		
Remarks	Continued Sediment Station		

$$QS = 4.2330 QW^{1.21120}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	20.65	21.32	19.97	15.37	23.38	22.69	8.63	21.32	39.72	54.13	42.00	16.02	
2	26.17	24.07	17.98	14.73	20.65	24.77	11.00	20.65	52.54	47.80	38.58	16.66	
3	33.00	26.88	16.66	14.10	46.63	18.64	11.61	24.77	123.95	44.31	46.63	13.47	
4	25.47	29.73	19.97	14.10	37.46	16.66	12.22	26.88	159.39	51.35	48.98	13.47	
5	29.01	25.47	22.01	16.02	26.88	14.73	11.00	44.31	360.67	51.35	42.00	13.47	
6	27.59	22.69	19.30	15.37	26.88	15.37	12.22	468.36	181.85	43.15	38.58	10.40	
7	24.77	27.59	16.66	14.10	52.54	14.10	13.47	264.67	147.40	105.72	35.22	12.22	
8	22.69	29.73	16.66	12.84	34.11	12.84	24.77	94.59	283.77	261.51	33.00	12.22	
9	20.65	33.00	33.00	12.22	28.30	12.22	20.65	92.39	1407.50	211.89	30.82	9.21	
10	19.30	35.22	23.38	11.61	26.88	11.61	23.38	103.48	796.56	147.40	29.01	9.21	
11	17.98	43.15	19.97	10.40	24.07	11.00	20.65	130.91	349.01	110.23	27.59	9.80	
12	16.02	37.46	17.98	9.80	22.01	10.40	18.64	202.79	211.89	88.02	26.17	11.61	
13	16.66	31.91	18.64	9.21	20.65	10.40	16.02	267.84	258.36	72.19	24.77	11.61	
14	20.65	44.31	18.64	8.63	19.30	9.80	15.37	261.51	208.85	70.51	23.38	11.00	
15	29.73	37.46	19.30	9.21	17.98	9.21	15.37	341.28	156.98	58.97	22.01	10.40	
16	26.88	34.11	19.30	8.63	17.32	8.63	16.02	255.21	126.26	51.35	20.65	10.40	
17	28.30	39.72	18.64	16.02	16.66	8.63	14.73	156.98	164.23	54.13	20.65	9.21	
18	23.38	33.00	20.65	30.82	16.02	7.48	25.47	117.05	1569.94	46.63	19.30	11.61	
19	22.01	27.59	17.32	18.64	15.37	6.92	48.98	101.24	2144.14	43.15	17.98	12.22	
20	28.30	26.88	17.32	14.73	14.10	6.36	29.01	99.02	649.60	92.39	17.32	11.00	
21	24.77	29.01	26.88	12.84	13.47	6.36	23.38	105.72	734.38	75.57	16.66	9.21	
22	19.97	24.77	25.47	12.22	13.47	6.92	22.01	82.40	605.47	77.27	15.37	8.05	
23	21.32	21.32	21.32	11.00	12.22	6.36	22.69	70.51	230.28	67.18	16.02	8.05	
24	19.97	20.65	22.01	11.00	12.22	6.36	22.69	67.18	173.98	65.52	16.02	5.82	
25	17.98	22.69	19.30	11.00	11.00	5.28	26.88	57.35	140.29	58.97	16.02	5.28	
26	16.66	22.01	17.32	12.84	10.40	6.36	29.01	72.19	101.24	52.54	15.37	4.75	
27	16.66	19.30	16.66	12.22	14.10	5.82	24.07	75.57	72.19	47.80	12.84	4.23	
28	15.37	17.98	15.37	14.73	28.30	5.82	19.30	57.35	78.97	45.47	12.84	4.23	
29	15.37	19.30	14.10	15.37	21.32	6.36	21.32	50.16	68.84	51.35		4.23	
30	22.01	19.30	15.37	16.02	16.66	8.05	21.32	43.15	57.35	46.63		3.98	
31		22.01		34.11	14.73		23.38		58.97	45.47		3.98	
Total	669.29	869.63	587.15	439.90	675.08	316.15	625.26	3776.83	11714.57	2339.95	725.78	297.02	23036.61 Tonday
Mean	22.31	28.05	19.57	14.19	21.78	10.54	20.17	125.89	377.89	75.48	25.92	9.58	63.11 Ton/day
Max	33.00	44.31	33.00	34.11	52.54	24.77	48.98	468.36	2144.14	261.51	48.98	16.66	2144.14 Ton/day
Min	15.37	17.98	14.10	8.63	10.40	5.28	8.63	20.65	39.72	43.15	12.84	3.98	3.98 Ton/day

WATER YEAR : 2022**THALE SAP SONGKHLA****Upper Khlong Wat at Ban Hu Rae , Songkhla (X.240)**

Lat 06 - 58 - 59 N Long 100 - 19 - 42 E

Location : on right bank at the bridge.

	Ban Hu Rae	Amphoe Hat Yai	Changwat Songkhla
Drainage Area	119 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2005-Cont'd		
Actual Measurement	2005-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	28		
R-Square	0.8268		
Remarks	Continued Sediment Station		

$$QS = 6.4296 QW^{1.17580}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	16.25	118.25	20.22	12.42	11.59	6.05	30.90	47.72	35.73	51.83	42.16	16.25	
2	33.30	79.61	17.12	11.59	9.95	9.55	18.88	41.16	39.17	48.74	39.17	17.12	
3	59.66	47.21	14.10	10.76	13.68	5.31	16.68	40.16	151.61	46.19	47.72	14.95	
4	34.75	57.55	12.42	13.25	10.36	4.23	10.76	38.18	375.61	46.19	49.77	13.68	
5	28.05	81.82	108.96	12.42	9.15	3.87	8.75	127.65	224.15	43.16	39.67	13.68	
6	26.17	74.68	78.51	9.95	9.15	8.36	18.00	701.58	85.71	42.16	36.22	12.42	
7	22.48	42.66	152.82	9.15	11.17	10.36	22.94	431.05	82.38	92.99	33.78	12.00	
8	20.67	61.77	57.55	8.75	7.97	6.43	45.18	130.02	87.38	206.26	32.33	11.59	
9	18.44	87.94	68.18	8.75	7.19	5.31	65.50	70.88	710.74	75.77	30.42	11.17	
10	18.44	50.80	41.66	7.97	6.05	4.95	58.60	67.11	432.47	64.43	28.52	10.76	
11	15.81	45.18	32.82	7.19	5.68	4.23	92.99	88.50	513.67	58.60	27.58	9.95	
12	14.53	34.27	27.58	7.97	5.31	4.23	52.86	294.81	222.87	63.37	26.17	9.55	
13	22.03	28.05	24.32	10.36	5.68	5.31	33.78	428.21	202.46	48.74	25.24	9.55	
14	18.88	30.42	24.32	8.75	15.81	5.31	33.30	367.29	194.88	44.17	23.86	8.75	
15	21.12	46.19	25.71	8.36	90.18	3.87	23.40	484.69	156.47	43.16	22.94	8.36	
16	22.03	30.42	27.58	6.81	40.66	3.87	26.64	225.44	102.07	55.46	22.48	7.97	
17	23.86	30.42	23.86	7.19	18.44	3.18	30.42	445.26	168.72	42.16	23.40	8.36	
18	33.78	24.78	25.71	21.58	13.25	2.85	75.77	174.90	1237.29	38.18	21.58	7.97	
19	23.40	21.58	21.58	9.55	10.76	2.85	224.15	229.30	1350.91	43.67	21.12	7.19	
20	46.70	18.88	18.44	7.58	9.15	2.51	66.03	86.26	631.98	199.93	21.12	6.43	
21	32.33	17.12	17.56	6.81	7.97	2.71	44.17	94.12	377.69	206.26	19.77	6.43	
22	23.40	15.81	15.81	7.97	8.36	2.51	56.50	64.43	263.20	107.81	18.88	6.43	
23	19.33	14.95	14.95	28.99	8.75	2.51	40.16	57.55	160.13	81.27	18.00	6.05	
24	17.12	13.25	14.95	19.33	10.36	5.31	33.30	74.14	114.76	70.88	17.12	6.05	
25	15.38	12.42	13.25	40.66	6.81	2.51	28.05	52.34	88.50	60.18	16.25	6.05	
26	14.10	12.00	12.00	18.88	5.68	2.38	26.17	48.23	78.51	56.50	15.81	5.31	
27	15.38	11.17	11.59	45.69	6.43	2.19	69.26	47.72	71.96	49.25	15.38	4.58	
28	13.25	10.76	11.17	19.77	13.68	10.36	315.01	40.66	67.11	45.18	14.95	4.58	
29	14.95	15.38	9.95	15.38	7.19	12.42	106.66	37.20	62.30	44.67		4.58	
30	33.78	30.42	9.55	12.42	5.68	42.66	64.96	35.24	58.08	53.90		3.87	
31		34.75		16.25	4.95		64.43		54.42	47.21		3.53	
Total	719.37	1200.51	954.24	432.50	397.04	188.19	1804.20	5071.80	8402.93	2178.27	751.41	275.16	22375.62 Tonday
Mean	23.98	38.73	31.81	13.95	12.81	6.27	58.20	169.06	271.06	70.27	26.84	8.88	61.30 Ton/day
Max	59.66	118.25	152.82	45.69	90.18	42.66	315.01	701.58	1350.91	206.26	49.77	17.12	1350.91 Ton/day
Min	13.25	10.76	9.55	6.81	4.95	2.19	8.75	35.24	35.73	38.18	14.95	3.53	2.19 Ton/day

WATER YEAR : 2022**THALE SAP SONGKHLA****Khlong Tha Cheat at Ban Mae Khree , Phatthalung (X.267)**

Lat 07 - 20 - 18 N Long 100 - 06 - 36 E

Location : on left bank at Ban Mae Khree.

	Ban Mae Khree	Amphoe Tamot	Changwat Phatthalung
Drainage Area	143 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US D-59		
Period of Available Records	2007 - Cont' d		
Actual Measurement	2007 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	22		
R-Square	0.7221		
Remarks	Continued Sediment Station		

$$QS = 5.8116 QW^{1.06780}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	41.48	46.42	30.54	19.79	21.00	15.13	24.52	86.21	41.48	65.25	104.00	29.30	
2	43.94	52.68	41.48	18.65	25.74	21.00	19.79	129.52	61.43	62.73	84.74	30.54	
3	83.27	55.18	37.83	17.45	26.90	16.32	19.79	205.92	115.96	58.91	96.56	26.90	
4	209.81	83.27	29.30	16.32	21.00	16.32	16.32	138.61	258.85	56.40	105.49	28.14	
5	117.47	63.95	57.69	22.14	18.65	14.01	22.14	217.61	235.23	56.40	80.33	23.36	
6	99.53	81.80	47.69	17.45	15.13	12.83	40.29	345.76	161.49	52.68	70.33	22.14	
7	78.87	83.27	51.39	17.45	16.32	11.73	151.93	285.79	174.94	75.94	66.49	21.00	
8	89.16	126.50	36.58	15.13	14.01	11.73	140.51	200.09	171.09	104.00	60.20	21.00	
9	63.95	121.98	45.22	15.13	15.13	10.56	73.03	184.59	297.72	80.33	56.40	19.79	
10	55.18	96.56	36.58	14.01	12.83	9.47	52.68	129.52	283.40	70.33	52.68	17.45	
11	48.90	87.69	36.58	15.13	12.83	9.47	69.02	200.09	205.92	62.73	50.18	17.45	
12	46.42	70.33	34.14	16.32	11.73	9.47	83.27	231.31	153.84	57.69	47.69	17.45	
13	60.20	55.18	30.54	16.32	9.47	11.73	98.05	269.13	151.93	57.69	45.22	16.32	
14	65.25	48.90	29.30	16.32	10.56	11.73	73.03	288.17	112.97	74.48	43.94	16.32	
15	47.69	55.18	26.90	16.32	26.90	10.56	62.73	377.22	182.65	55.18	40.29	16.32	
16	43.94	45.22	25.74	14.01	23.36	9.47	55.18	343.35	223.48	48.90	37.83	15.13	
17	42.75	56.40	26.90	14.01	16.32	9.47	67.79	223.48	184.59	45.22	41.48	14.01	
18	39.02	69.02	28.14	16.32	15.13	8.32	61.43	134.82	670.98	43.94	40.29	14.01	
19	36.58	46.42	36.58	14.01	16.32	9.47	99.53	126.50	1136.58	43.94	41.48	12.83	
20	60.20	39.02	29.30	11.73	14.01	8.32	115.96	84.74	480.36	45.22	43.94	11.73	
21	55.18	36.58	39.02	11.73	11.73	8.32	84.74	69.02	296.93	144.31	37.83	11.73	
22	40.29	36.58	29.30	12.83	12.83	8.32	75.94	61.43	225.43	114.46	40.29	10.56	
23	35.39	36.58	24.52	24.52	11.73	7.25	106.98	63.95	167.25	106.98	34.14	10.56	
24	31.72	30.54	26.90	25.74	11.73	8.32	99.53	75.94	134.82	105.49	34.14	9.47	
25	29.30	26.90	25.74	16.32	10.56	7.25	70.33	52.68	117.47	128.01	31.72	7.25	
26	29.30	24.52	22.14	16.32	9.47	7.25	61.43	46.42	104.00	129.52	30.54	6.12	
27	58.91	23.36	21.00	36.58	11.73	7.25	108.48	41.48	93.60	99.53	29.30	7.25	
28	39.02	23.36	21.00	53.89	24.52	12.83	73.03	35.39	87.69	109.97	29.30	6.12	
29	34.14	32.96	19.79	69.02	17.45	14.01	71.57	32.96	80.33	106.98		2.95	
30	35.39	34.14	19.79	40.29	14.01	14.01	81.80	29.30	73.03	200.09		5.07	
31		36.58		25.74	12.83		92.12		70.33	159.58		2.95	
Total	1762.25	1727.07	967.62	656.99	491.93	331.92	2272.94	4711.00	6755.77	2622.88	1476.82	471.22	24248.41 Tonday
Mean	58.74	55.71	32.25	21.19	15.87	11.06	73.32	157.03	217.93	84.61	52.74	15.20	66.43 Ton/day
Max	209.81	126.50	57.69	69.02	26.90	21.00	151.93	377.22	1136.58	200.09	105.49	30.54	1136.58 Ton/day
Min	29.30	23.36	19.79	11.73	9.47	7.25	16.32	29.30	41.48	43.94	29.30	2.95	2.95 Ton/day

WATER YEAR : 2022**THALE SAP SONGKHLA****Upper Khlong Tha Nae at Ban Khao Pu , Phatthalung (X.276)**

Lat 07 - 42 - 26 N Long 99 - 50 - 30 E

Location : on right bank at the bridge.

	Ban Khao Pu	Amphoe Si Banphot	Changwat Phatthalung
Drainge Area	53 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US D-59		
Period of Available Records	2009 - Cont' d		
Actual Measurement	2009 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	21		
R-Square	0.8897		
Remarks	Continued Sediment Station		

$$QS = 7.3042 QW^{1.65760}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	81.33	25.78	21.17	21.17	20.07	64.46	86.43	329.83	66.78	41.21	47.14	24.59	
2	73.91	19.00	78.83	17.95	53.38	47.14	41.21	156.81	73.91	39.30	41.21	22.29	
3	192.61	16.92	39.30	15.92	43.15	25.78	64.46	73.91	171.80	37.43	97.00	21.17	
4	124.00	16.92	30.32	15.92	28.63	23.43	33.80	76.35	336.44	55.53	78.83	21.17	
5	595.14	16.92	25.78	15.92	23.43	21.17	99.72	89.03	1245.34	43.15	57.72	21.17	
6	225.58	19.00	23.43	13.06	33.80	19.00	89.03	147.13	303.90	39.30	49.19	20.07	
7	119.56	32.04	23.43	13.06	30.32	19.00	86.43	94.31	214.36	35.60	41.21	19.00	
8	83.87	37.43	19.00	11.28	22.29	19.00	73.91	356.59	412.57	33.80	35.60	19.00	
9	69.12	248.69	17.95	11.28	20.07	17.95	53.38	97.00	363.41	30.32	32.04	17.95	
10	55.53	69.12	16.92	10.43	19.00	15.92	81.33	78.83	203.37	30.32	30.32	17.95	
11	47.14	102.46	15.92	9.61	17.95	14.94	78.83	94.31	192.61	30.32	28.63	16.92	
12	41.21	69.12	14.94	9.61	15.92	13.99	49.19	91.66	124.00	66.78	26.99	16.92	
13	35.60	73.91	13.99	10.43	14.94	14.94	49.19	94.31	116.64	64.46	25.78	15.92	
14	35.60	62.18	17.95	13.06	15.92	14.94	45.13	464.17	94.31	47.14	24.59	15.92	
15	133.06	43.15	16.92	15.92	78.83	16.92	53.38	546.03	171.80	43.15	23.43	15.92	
16	45.13	37.43	16.92	13.99	26.99	20.07	83.87	323.27	260.58	32.04	23.43	14.94	
17	33.80	33.80	25.78	15.92	23.43	17.95	133.06	176.91	166.74	28.63	23.43	14.94	
18	37.43	28.63	25.78	13.06	21.17	15.92	161.75	113.75	1417.13	26.99	23.43	14.94	
19	33.80	26.99	17.95	10.43	20.07	13.99	187.32	91.66	1135.75	25.78	24.59	14.94	
20	30.32	24.59	17.95	19.00	19.00	13.06	156.81	78.83	285.01	25.78	22.29	13.99	
21	26.99	26.99	21.17	21.17	20.07	12.16	94.31	66.78	171.80	25.78	45.13	13.99	
22	28.63	25.78	19.00	16.92	17.95	12.16	86.43	73.91	119.56	24.59	26.99	13.99	
23	25.78	22.29	16.92	20.07	16.92	13.06	97.00	427.07	99.72	26.99	23.43	13.06	
24	23.43	20.07	16.92	22.29	15.92	12.16	73.91	427.07	86.43	24.59	21.17	12.16	
25	22.29	19.00	16.92	32.04	13.99	14.94	69.12	147.13	81.33	81.33	21.17	12.16	
26	20.07	17.95	16.92	24.59	15.92	13.99	59.93	97.00	69.12	171.80	22.29	12.16	
27	17.95	16.92	16.92	32.04	14.94	10.43	59.93	91.66	62.18	57.72	24.59	11.28	
28	16.92	17.95	16.92	33.80	13.99	35.60	49.19	76.35	55.53	45.13	23.43	11.28	
29	17.95	37.43	15.92	37.43	13.06	43.15	43.15	62.18	51.27	51.27		11.28	
30	39.30	37.43	22.29	23.43	15.92	97.00	37.43	53.38	47.14	64.46		11.28	
31		25.78		21.17	22.29		78.83		45.13	57.72		11.28	
Total	2333.05	1271.67	660.13	561.97	729.33	694.22	2457.46	5097.22	8245.66	1408.41	965.05	493.63	24917.80 Tonday
Mean	77.77	41.02	22.00	18.13	23.53	23.14	79.27	169.91	265.99	45.43	34.47	15.92	68.27 Ton/day
Max	595.14	248.69	78.83	37.43	78.83	97.00	187.32	546.03	1417.13	171.80	97.00	24.59	1417.13 Ton/day
Min	16.92	16.92	13.99	9.61	13.06	10.43	33.80	53.38	45.13	24.59	21.17	11.28	9.61 Ton/day

WATER YEAR : 2022**PATTANI RIVER BASIN****Pattani River at Ban Tha Sap, Yala (X.40A)**

Lat 06 - 33 - 10 N Long 101 - 15 - 59 E

Location : on left bank at the bridge of Yala - Ban Niang Road.

	Ban	Tha Sap	Amphoe	Mueang	Changwat	Yala
Drainage Area	3,295	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.DH - 59					
Period of Available Records	1998 - Cont' d					
Actual Measurement	1998 - Cont' d					
Using Rating Curve Water Year	2022					
Number of observation	29					
R-Square	0.7724					
Remarks	Continued Sediment Station					

$$QS = 0.0903 QW^{1.73800}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	625.59	631.64	290.23	583.94	637.71	363.45	136.11	363.45	619.57	687.19	290.23	241.76	
2	662.26	543.52	278.71	643.81	637.71	481.30	127.80	452.86	757.76	649.94	301.95	298.02	
3	1022.04	583.94	248.97	643.81	718.90	393.80	122.38	334.15	816.92	637.71	346.58	238.18	
4	854.84	643.81	363.45	637.71	668.45	342.41	213.81	809.42	402.65	631.64	554.94	207.06	
5	794.51	583.94	354.97	637.71	613.57	429.73	210.42	1520.40	583.94	631.64	452.86	213.81	
6	787.10	643.81	298.02	649.94	619.57	490.94	274.91	956.85	607.59	595.72	407.12	217.23	
7	731.76	662.26	294.11	674.67	706.15	407.12	301.95	862.52	490.94	725.32	380.66	220.66	
8	706.15	832.00	248.97	625.59	662.26	321.91	490.94	619.57	411.60	1702.78	411.60	220.66	
9	680.92	595.72	256.27	625.59	619.57	325.97	389.40	543.52	1210.60	1773.17	434.32	217.23	
10	680.92	520.97	389.40	643.81	589.82	301.95	321.91	526.57	4142.44	809.42	420.62	213.81	
11	668.45	572.27	438.92	649.94	572.27	321.91	313.86	2106.98	2941.53	510.47	359.20	207.06	
12	680.92	572.27	274.91	649.94	566.47	321.91	298.02	6051.28	1773.17	537.84	342.41	200.39	
13	718.90	515.40	309.87	656.08	601.64	385.02	241.76	4293.26	1584.53	924.95	342.41	217.23	
14	757.76	466.99	325.97	595.72	589.82	334.15	224.12	1832.04	1123.21	964.90	330.05	224.12	
15	744.71	443.55	317.87	583.94	549.22	282.53	227.60	1729.55	816.92	839.59	298.02	231.11	
16	706.15	466.99	411.60	566.47	510.47	286.37	241.76	1744.04	607.59	738.23	376.33	227.60	
17	718.90	520.97	495.79	554.94	505.56	334.15	224.12	1469.90	429.73	662.26	416.10	227.60	
18	787.10	490.94	589.82	537.84	515.40	294.11	213.81	1636.64	1356.16	549.22	452.86	227.60	
19	751.23	443.55	376.33	537.84	578.09	286.37	231.11	1676.19	10808.36	380.66	416.10	227.60	
20	731.76	420.62	398.21	554.94	457.55	278.71	238.18	1356.16	12793.73	338.27	393.80	224.12	
21	699.80	407.12	389.40	554.94	372.02	290.23	241.76	1228.41	6403.62	481.30	407.12	224.12	
22	662.26	389.40	429.73	520.97	350.76	213.81	274.91	1184.09	3761.07	625.59	416.10	227.60	
23	537.84	376.33	510.47	566.47	350.76	200.39	256.27	1378.60	2186.23	718.90	466.99	220.66	
24	607.59	367.72	595.72	572.27	346.58	190.57	241.76	1345.00	1257.14	526.57	372.02	180.96	
25	643.81	367.72	687.19	595.72	346.58	177.80	241.76	1257.14	809.42	481.30	278.71	117.06	
26	757.76	372.02	718.90	549.22	389.40	168.47	238.18	1322.80	631.64	601.64	241.76	114.44	
27	725.32	359.20	471.74	543.52	376.33	165.41	309.87	1267.98	589.82	578.09	234.63	117.06	
28	656.08	238.18	438.92	578.09	376.33	165.41	325.97	1311.76	772.37	510.47	177.80	130.55	
29	631.64	238.18	706.15	481.30	338.27	168.47	317.87	1267.98	751.23	416.10		144.65	
30	772.37	259.95	457.55	452.86	367.72	141.78	278.71	772.37	706.15	350.76		153.40	
31		278.71		520.97	350.76		278.71		718.90	325.97		156.37	
Total	21506.44	14809.69	12368.16	18190.56	15885.71	8866.15	8049.74	43221.48	62866.53	20907.61	10323.29	6289.72	243285.08 Ton/day
Mean	716.88	477.73	412.27	586.79	512.44	295.54	259.67	1440.72	2027.95	674.44	368.69	202.89	666.53 Ton/day
Max	1022.04	832.00	718.90	674.67	718.90	490.94	490.94	6051.28	12793.73	1773.17	554.94	298.02	12793.73 Ton/day
Min	537.84	238.18	248.97	452.86	338.27	141.78	122.38	334.15	402.65	325.97	177.80	114.44	114.44 Ton/day

WATER YEAR : 2022**Peninsula-Lower East Coat****Sai Buri River at Ban Sa Ko , Narathiwat (X.184)**

Lat 06 - 13 - 38 N Long 101 - 29 - 49 E

Location : on left bank at Ban Sa Ko.

	Ban Bu Kae Ta	Amphoe Waeng	Changwat Narathiwat
Drainage Area	1,241 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.DH - 59		
Period of Available Records	1995 - Cont' d		
Actual Measurement	1995 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	18		
R-Square	0.7447		
Remarks	Continued Sediment Station		

$$QS = 0.5025 QW^{1.56210}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	481.26	309.03	135.59	281.02	360.31	617.36	294.90	499.95	587.18	862.77	788.40	1416.97	
2	472.01	400.38	131.50	240.83	689.88	788.40	154.88	952.55	3170.86	776.24	732.60	965.63	
3	900.86	345.37	180.27	212.52	658.44	383.15	223.69	1045.48	2318.20	732.60	1757.45	509.39	
4	597.18	978.78	309.03	201.56	274.16	409.10	316.18	2557.77	1283.81	732.60	3040.15	409.10	
5	3859.37	383.15	164.87	700.47	207.01	274.16	218.08	4597.35	1492.98	679.34	1327.67	323.39	
6	1169.46	323.39	212.52	274.16	185.51	240.83	1269.31	1739.73	926.57	637.78	1416.97	287.93	
7	926.57	518.90	316.18	223.69	330.66	518.90	900.86	2125.11	1141.48	1072.60	1477.66	253.98	
8	700.47	444.66	164.87	223.69	190.81	499.95	862.77	1462.41	1086.25	1775.23	1169.46	235.06	
9	721.83	281.02	185.51	212.52	323.39	274.16	978.78	991.99	7642.86	1018.61	926.57	218.08	
10	939.53	316.18	149.98	169.95	180.27	253.98	577.24	1269.31	4983.48	850.21	788.40	229.35	
11	528.46	417.89	360.31	154.88	149.98	400.38	375.48	11136.29	2701.40	978.78	743.42	417.89	
12	875.40	991.99	587.18	175.08	140.33	260.64	409.10	4899.79	2318.20	800.63	627.54	223.69	
13	1005.27	490.57	207.01	175.08	229.35	330.66	301.94	2182.40	2456.92	1018.61	557.54	201.56	
14	788.40	345.37	196.16	140.33	196.16	316.18	316.18	1883.26	2497.09	754.31	499.95	185.51	
15	1211.89	383.15	201.56	145.12	159.85	323.39	240.83	1775.23	1722.07	557.54	462.83	180.27	
16	776.24	567.36	453.71	127.45	164.87	235.06	207.01	1586.05	1447.20	490.57	417.89	180.27	
17	732.60	481.26	229.35	123.44	135.59	668.86	190.81	1652.11	1793.07	435.67	754.31	180.27	
18	547.79	825.28	913.68	123.44	235.06	281.02	180.27	1211.89	29994.46	417.89	597.18	180.27	
19	481.26	481.26	323.39	330.66	159.85	229.35	169.95	1086.25	40368.22	417.89	444.66	175.08	
20	453.71	323.39	223.69	196.16	127.45	316.18	274.16	1018.61	15117.71	499.95	375.48	175.08	
21	444.66	267.37	201.56	127.45	145.12	267.37	323.39	800.63	9463.12	4117.59	337.99	175.08	
22	352.81	247.37	190.81	119.48	115.57	201.56	1739.73	679.34	10881.53	4248.94	345.37	175.08	
23	323.39	247.37	1169.46	154.88	107.89	185.51	1447.20	617.36	4624.56	2578.12	309.03	175.08	
24	345.37	207.01	557.54	115.57	135.59	169.95	490.57	567.36	3105.26	1847.00	281.02	175.08	
25	417.89	196.16	323.39	107.89	127.45	169.95	337.99	668.86	2416.99	1586.05	260.64	175.08	
26	375.48	175.08	383.15	145.12	309.03	159.85	281.02	1447.20	1993.58	1492.98	274.16	175.08	
27	400.38	164.87	800.63	229.35	323.39	235.06	309.03	732.60	1634.79	1059.01	247.37	175.08	
28	260.64	159.85	926.57	253.98	862.77	169.95	235.06	825.28	1401.95	991.99	260.64	175.08	
29	281.02	149.98	462.83	409.10	617.36	149.98	577.24	637.78	1226.16	1005.27		169.95	
30	426.75	149.98	426.75	229.35	391.73	175.08	453.71	547.79	1072.60	978.78		169.95	
31		145.12		180.27	1045.48		345.37		965.63	1005.27		169.95	
Total	21797.95	11718.54	11089.05	6504.49	9280.31	9505.97	15002.73	53197.73	163836.18	36420.82	21222.35	8859.26	368435.38 Tonday
Mean	726.60	378.02	369.63	209.82	299.36	316.87	483.96	1773.26	5285.04	1174.87	757.94	285.78	1009.41 Ton/day
Max	3859.37	991.99	1169.46	700.47	1045.48	788.40	1739.73	11136.29	40368.22	4248.94	3040.15	1416.97	40368.22 Ton/day
Min	260.64	145.12	131.50	107.89	107.89	149.98	154.88	499.95	587.18	417.89	247.37	169.95	107.89 Ton/day

WATER YEAR : 2022

SOUTHERN PENINSULA EAST COAST

Kolok River at Ban Bu Kae Ta , Narathiwat (X.274)

Lat 05 - 50 - 21 N Long 101 - 53 - 32 E

Location : on left bank at Ban Bu Kae Ta.

	Ban	Bu Kae Ta	Amphoe	Waeng	Changwat	Narathiwat
Drainage Area	78	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US DH - 49					
Period of Available Records	2019 - Cont' d					
Actual Measurement	2019 - Cont' d					
Using Rating Curve Water Year	2022					
Number of observation	29					
R-Square	0.8856					
Remarks	Continued Sediment Station					

$$QS = 1.4303 QW^{1.67670}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	197.55	171.97	79.71	119.44	176.97	846.00	89.67	282.61	100.10	252.90	252.90	510.63	
2	208.17	270.57	82.16	105.48	119.44	565.77	67.94	1023.04	700.22	247.12	345.96	450.44	
3	224.53	665.53	84.63	97.45	105.48	208.17	108.22	472.66	400.30	235.72	1002.70	176.97	
4	326.42	307.33	122.31	270.57	97.45	143.20	102.77	1180.78	213.57	326.42	884.16	100.10	
5	2257.27	187.15	89.67	606.54	89.67	113.77	110.98	510.63	270.57	187.15	510.63	74.91	
6	379.55	138.61	108.22	147.85	87.14	247.12	270.57	735.62	131.10	167.03	817.82	61.24	
7	282.61	134.08	307.33	119.44	79.71	510.63	89.67	884.16	152.55	345.96	726.70	54.83	
8	252.90	128.14	414.39	116.59	77.30	162.14	197.55	282.61	230.10	359.25	332.88	50.72	
9	450.44	119.44	197.55	105.48	74.91	116.59	270.57	230.10	4121.74	213.57	288.71	48.71	
10	518.37	113.77	147.85	100.10	70.23	192.32	435.88	674.13	1575.35	435.88	252.90	56.94	
11	487.71	162.14	208.17	92.23	67.94	157.32	799.25	3491.14	665.53	1106.03	352.58	59.08	
12	631.55	147.85	202.83	89.67	67.94	113.77	1159.22	893.81	665.53	414.39	192.32	44.79	
13	301.07	197.55	108.22	87.14	79.71	102.77	372.73	443.14	549.79	339.40	143.20	42.88	
14	320.00	197.55	105.48	82.16	92.23	119.44	326.42	472.66	480.16	192.32	113.77	41.01	
15	372.73	143.20	230.10	82.16	67.94	202.83	167.03	365.97	414.39	143.20	100.10	33.85	
16	565.77	197.55	282.61	79.71	65.68	213.57	162.14	443.14	288.71	119.44	87.14	27.26	
17	282.61	167.03	119.44	77.30	61.24	182.03	102.77	827.17	735.62	108.22	320.00	25.70	
18	192.32	435.88	128.14	82.16	74.91	102.77	87.14	598.30	15709.49	125.21	241.39	24.18	
19	171.97	235.72	128.14	102.77	70.23	87.14	171.97	874.56	17298.32	176.97	119.44	24.18	
20	162.14	171.97	171.97	79.71	74.91	79.71	359.25	313.64	6926.78	241.39	94.83	22.70	
21	143.20	128.14	108.22	77.30	84.63	77.30	533.98	247.12	5354.99	799.25	82.16	22.70	
22	143.20	116.59	108.22	74.91	67.94	77.30	1169.98	182.03	7503.18	1416.68	70.23	22.70	
23	122.31	110.98	1511.07	70.23	65.68	72.56	623.17	138.61	1370.42	614.83	59.08	22.70	
24	128.14	105.48	230.10	70.23	61.24	92.23	235.72	119.44	893.81	606.54	56.94	21.25	
25	176.97	105.48	339.40	67.94	72.56	70.23	152.55	167.03	682.78	573.83	52.76	21.25	
26	122.31	97.45	235.72	72.56	70.23	72.56	119.44	435.88	557.76	435.88	50.72	19.85	
27	116.59	92.23	192.32	87.14	379.55	92.23	122.31	235.72	465.21	301.07	50.72	19.85	
28	108.22	87.14	208.17	230.10	1279.76	79.71	102.77	288.71	379.55	294.87	70.23	19.85	
29	131.10	84.63	171.97	116.59	465.21	65.68	252.90	407.32	313.64	414.39		19.85	
30	152.55	84.63	187.15	365.97	846.00	138.61	270.57	119.44	282.61	400.30		18.48	
31		82.16		682.78	1268.60		230.10		264.63	332.88		18.48	
Total	9930.27	5387.94	6611.26	4559.70	6362.43	5305.47	9265.23	17341.17	69698.50	11928.09	7672.97	2158.08	156221.11 Ton/day
Mean	331.01	173.80	220.38	147.09	205.24	176.85	298.88	578.04	2248.34	384.78	274.03	69.62	428.00 Ton/day
Max	2257.27	665.53	1511.07	682.78	1279.76	846.00	1169.98	3491.14	17298.32	1416.68	1002.70	510.63	17298.32 Ton/day
Min	108.22	82.16	79.71	67.94	61.24	65.68	67.94	119.44	100.10	108.22	50.72	18.48	18.48 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA WEST COAST****Trang River at Ban Tha Pradu , Trang (X.56)**

Lat 07 - 46 - 16 N Long 99 - 32 - 14 E

Location : on left bank at Ban Tha Pradu.

	Ban Tha Pradu	Amphoe Huai Yot	Changwat Trang
Drainge Area	1,422 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US DH-49		
Period of Available Records	1981 - Cont'd		
Actual Measurement	1981 - 1987, 2007 - Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	19		
R-Square	0.7721		
Remarks	Continued Sediment Station		

$$QS = 0.3456 QW^{1.76670}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	239.04	466.06	405.20	148.21	421.07	166.47	861.89	329.88	355.48	211.61	109.99	25.85	
2	704.97	301.65	248.50	128.48	453.59	248.50	745.47	322.72	374.27	188.45	93.10	32.11	
3	1165.69	872.84	205.71	135.74	453.59	389.60	466.06	261.37	589.39	169.15	91.38	28.91	
4	1080.00	680.15	158.53	119.08	441.27	294.76	366.70	194.13	951.13	153.33	150.76	37.76	
5	655.72	543.90	174.57	359.20	393.48	337.11	232.82	163.80	1755.54	161.16	202.79	41.34	
6	974.03	622.17	239.04	470.24	277.85	229.73	715.00	163.80	2589.21	166.47	130.88	29.96	
7	1677.05	1215.93	267.91	495.71	308.60	182.84	2381.83	188.45	2348.00	150.76	89.67	24.87	
8	1866.01	1050.09	491.42	337.11	251.69	182.84	3516.07	223.62	1696.53	145.68	71.79	22.95	
9	1487.67	829.42	315.62	202.79	188.45	229.73	3399.71	180.07	1196.98	143.17	62.77	19.31	
10	808.07	1735.77	322.72	254.90	174.57	158.53	1845.70	145.68	1073.99	123.74	55.66	18.45	
11	453.59	1706.30	808.07	274.52	143.17	153.33	1469.28	130.88	861.89	143.17	50.24	18.45	
12	355.48	1343.31	867.36	294.76	119.08	123.74	1343.31	226.67	665.45	171.85	45.06	17.60	
13	535.00	1020.54	1153.28	530.57	103.38	188.45	685.08	226.67	878.33	281.19	42.57	17.60	
14	1104.20	851.01	797.48	445.36	93.10	517.38	433.14	185.64	922.83	185.64	38.94	16.77	
15	1308.22	725.10	856.44	508.66	239.04	337.11	433.14	543.90	704.97	163.80	36.60	15.16	
16	1147.09	690.03	1050.09	594.03	315.62	205.71	508.66	1056.04	665.45	155.92	33.20	13.62	
17	781.72	548.38	675.23	690.03	232.82	166.47	872.84	1325.72	598.68	99.07	31.02	12.87	
18	575.58	421.07	344.40	526.16	197.00	126.10	1441.87	962.55	1203.28	82.97	26.85	12.15	
19	401.28	389.60	251.69	378.08	171.85	101.21	2554.13	571.01	4601.01	79.70	27.87	12.15	
20	333.48	287.94	208.65	264.63	121.40	86.29	3399.71	413.10	5906.40	79.70	25.85	10.75	
21	277.85	245.33	229.73	433.14	109.99	81.33	3449.37	319.16	5818.61	81.33	25.85	10.75	
22	223.62	258.12	322.72	612.73	143.17	81.33	2926.61	437.20	5180.45	76.49	31.02	10.09	
23	185.64	248.50	429.10	504.33	177.31	101.21	1815.43	928.46	3399.71	71.79	37.76	10.09	
24	143.17	188.45	433.14	491.42	158.53	89.67	1014.68	2671.88	1469.28	70.25	31.02	10.09	
25	109.99	155.92	437.20	397.37	143.17	91.38	750.61	4322.53	730.17	76.49	25.85	8.19	
26	93.10	135.74	305.11	543.90	294.76	81.33	594.03	3617.15	517.38	245.33	22.95	7.02	
27	107.77	121.40	251.69	906.03	409.14	79.70	745.47	1648.02	417.08	409.14	23.90	6.47	
28	114.50	107.77	223.62	1524.76	232.82	79.70	704.97	985.57	351.77	220.59	24.87	5.42	
29	116.78	171.85	284.56	1619.20	145.68	138.20	445.36	956.83	298.19	150.76		4.45	
30	397.37	755.75	217.58	1080.00	119.08	344.40	340.75	594.03	264.63	130.88		4.45	
31		709.98		655.72	135.74		277.85		235.92	121.40		4.00	
Total	19423.68	19400.07	12976.36	15926.86	7170.01	5594.15	40737.54	24296.53	48622.00	4710.98	1640.21	509.65	201008.04 Tonday
Mean	647.46	625.81	432.55	513.77	231.29	186.47	1314.11	809.88	1568.45	151.97	58.58	16.44	550.71 Ton/day
Max	1866.01	1735.77	1153.28	1619.20	453.59	517.38	3516.07	4322.53	5906.40	409.14	202.79	41.34	5906.40 Ton/day
Min	93.10	107.77	158.53	119.08	93.10	79.70	232.82	130.88	235.92	70.25	22.95	4.00	4.00 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA WEST COAST****Khlong Lamphu La at Ban Lamphu La , Trang (X.110)**

Lat 07 - 40 - 31 N Long 99 - 34 - 55 E

Location : on left bank at Ban Lamphu La.

	Ban Lamphu La	Amphoe Huai Yot	Changwat Trang
Drainage Area	257 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US DH - 48		
Period of Available Records	1985-1989 ,2021- Cont' d		
Actual Measurement	1985-1989 ,2021- Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	21		
R-Square	0.8046		
Remarks	Continued Sediment Station		

$$QS = 1.8575 QW^{1.40150}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	30.18	33.23	51.34	126.73	41.28	29.43	260.62	106.29	70.12	51.34	29.43	19.95	
2	75.33	27.95	92.86	54.19	51.34	51.34	78.51	379.41	88.26	48.53	25.76	16.93	
3	48.53	31.69	67.04	38.77	150.08	25.05	142.81	86.06	264.49	45.77	12.51	15.19	
4	77.44	24.39	72.19	38.77	71.15	56.12	69.09	66.03	166.45	47.61	43.96	15.19	
5	101.35	27.95	47.61	54.19	49.47	40.39	57.09	66.03	312.19	46.69	30.93	15.19	
6	138.67	43.06	42.16	45.77	54.19	27.95	100.12	80.65	297.27	41.28	26.49	14.07	
7	96.47	116.38	45.77	47.61	45.77	25.76	228.80	89.36	177.12	41.28	24.39	12.96	
8	65.02	46.69	37.16	37.16	42.16	29.43	125.42	107.54	137.33	39.58	23.10	11.18	
9	65.02	107.54	32.46	34.01	35.57	23.74	71.15	76.38	184.85	37.16	23.10	11.18	
10	50.40	71.15	40.39	33.23	31.69	20.57	67.04	61.02	144.25	34.79	21.82	10.75	
11	40.39	49.47	40.39	28.69	27.95	19.33	243.41	60.03	118.95	36.36	21.19	10.32	
12	46.69	47.61	39.58	31.69	25.76	27.21	80.65	69.09	115.11	36.36	21.82	9.90	
13	102.58	38.77	38.77	32.46	23.74	47.61	60.03	61.02	138.67	55.15	19.33	9.90	
14	126.73	150.08	31.69	29.43	21.82	49.47	167.96	73.23	90.47	38.77	19.95	9.48	
15	278.39	59.04	39.58	41.28	67.04	32.46	129.36	336.06	90.47	50.40	19.95	9.48	
16	77.44	59.04	34.01	37.16	32.46	43.96	158.95	183.29	116.38	34.79	19.33	9.07	
17	54.19	69.09	30.18	35.57	28.69	36.36	418.19	145.70	84.97	30.18	19.33	8.66	
18	44.86	50.40	43.06	33.23	27.21	28.69	325.15	95.26	280.47	29.43	18.72	8.66	
19	42.16	42.16	33.23	27.95	23.10	26.49	442.97	94.06	1087.75	30.18	18.12	8.26	
20	39.58	43.96	27.95	25.76	22.46	22.46	433.01	72.19	286.74	27.95	18.12	7.86	
21	34.01	46.69	50.40	43.06	25.05	21.19	235.86	73.23	181.74	28.69	28.69	7.86	
22	30.93	47.61	31.69	30.18	41.28	20.57	148.62	71.15	141.36	28.69	26.49	7.86	
23	28.69	37.96	30.18	43.96	28.69	19.95	118.95	105.05	117.66	28.69	16.93	8.26	
24	26.49	33.23	32.46	30.18	34.01	20.57	95.26	1108.81	100.12	29.43	16.35	7.47	
25	25.05	29.43	34.79	40.39	30.93	19.33	107.54	297.27	89.36	29.43	15.19	7.09	
26	23.74	27.95	30.18	33.23	39.58	18.12	88.26	163.44	80.65	101.35	14.63	7.09	
27	28.69	25.05	25.76	147.16	30.93	15.77	95.26	117.66	73.23	40.39	14.63	7.09	
28	24.39	24.39	25.76	61.02	36.36	21.19	140.01	118.95	68.06	32.46	14.07	7.09	
29	23.10	55.15	22.46	50.40	25.05	67.04	78.51	86.06	63.01	30.93		7.09	
30	30.18	129.36	60.03	37.96	22.46	92.86	64.01	74.28	58.06	34.01		7.09	
31		78.51		33.23	24.39		58.06		54.19	32.46		7.09	
Total	1876.69	1674.98	1231.13	1384.42	1211.66	980.41	4890.67	4524.60	5279.75	1220.13	604.33	315.26	25194.03 Tonday
Mean	62.56	54.03	41.04	44.66	39.09	32.68	157.76	150.82	170.31	39.36	21.58	10.17	69.02 Ton/day
Max	278.39	150.08	92.86	147.16	150.08	92.86	442.97	1108.81	1087.75	101.35	43.96	19.95	1108.81 Ton/day
Min	23.10	24.39	22.46	25.76	21.82	15.77	57.09	60.03	54.19	27.95	12.51	7.09	7.09 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA WEST COAST****Khlong Palian at Ban Palian Nai , Trang (X.139A)**

Lat 07 - 19 - 12 N Long 99 - 47 - 45 E

Location : on left bank at the bridge.

	Ban Palian Nai	Amphoe Palian	Changwat Trang
Drainage Area	159 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US DH - 48		
Period of Available Records	2021 - Cont' d		
Actual Measurement	2021 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	22		
R-Square	0.7751		
Remarks	Continued Sediment Station		

$$QS = 2.2046 QW^{1.23980}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	48.06	41.64	61.74	48.60	53.57	44.07	173.97	69.70	55.25	45.54	29.49	17.43	
2	38.77	27.69	365.53	37.82	55.25	44.56	140.48	81.66	48.06	44.07	30.40	17.43	
3	44.07	23.31	151.49	37.35	87.92	48.60	208.17	49.15	70.39	43.10	30.40	16.62	
4	35.93	20.33	78.60	62.37	42.61	73.29	73.29	54.13	92.97	42.61	30.40	16.21	
5	32.22	23.31	66.94	69.70	38.29	47.02	79.36	55.25	60.49	42.61	27.69	15.81	
6	22.02	32.22	119.85	43.58	42.13	42.13	90.44	111.91	45.05	40.20	26.81	15.41	
7	22.88	41.64	104.08	34.07	44.56	29.94	201.08	79.36	76.31	42.13	25.04	14.62	
8	22.02	36.40	86.31	34.53	42.61	41.64	155.09	92.97	60.49	42.13	24.61	14.23	
9	20.33	46.03	117.19	35.00	53.01	31.76	118.96	67.62	74.80	48.06	24.17	13.84	
10	19.49	27.69	118.08	34.53	47.02	28.14	80.90	60.49	61.74	39.25	23.74	13.06	
11	19.91	26.36	123.53	36.40	46.03	31.76	78.60	62.37	66.94	41.16	23.31	13.06	
12	26.81	26.81	90.44	40.20	45.54	36.87	84.75	68.31	55.81	37.82	22.88	11.92	
13	24.61	24.17	74.80	42.61	43.10	56.94	60.49	62.37	58.07	40.68	22.02	11.54	
14	27.69	24.61	84.75	40.68	47.02	45.05	120.74	71.09	45.54	42.61	21.59	10.79	
15	36.40	21.17	88.76	30.85	105.81	34.07	86.31	120.74	44.07	38.29	21.17	10.42	
16	22.88	33.60	65.56	33.14	67.62	29.49	160.08	62.99	48.06	35.47	20.75	10.05	
17	20.75	35.47	86.31	30.85	65.56	27.25	240.37	64.25	56.94	34.53	23.31	10.05	
18	21.59	51.35	94.66	29.04	59.25	46.03	165.11	60.49	342.18	34.07	20.33	9.69	
19	19.07	27.25	94.66	28.59	55.25	65.56	280.81	55.25	402.91	34.07	20.33	9.32	
20	22.45	24.17	76.31	28.14	37.35	33.14	252.42	44.07	170.16	33.60	20.33	9.32	
21	18.25	25.48	96.36	28.14	63.62	45.05	125.44	77.07	130.24	48.06	19.49	9.32	
22	17.43	28.14	70.39	27.69	102.35	40.68	85.53	190.66	103.22	38.29	20.75	8.96	
23	16.21	26.81	58.63	53.57	67.62	55.81	90.44	206.65	82.44	37.35	18.25	8.61	
24	15.41	20.75	328.81	54.69	64.25	91.28	65.56	280.81	73.29	41.64	17.84	9.69	
25	14.23	19.49	123.53	36.40	59.87	44.56	75.55	103.22	72.53	38.77	17.43	8.96	
26	25.92	18.66	88.76	36.40	46.52	35.00	80.13	84.75	66.94	40.68	17.02	8.25	
27	35.93	17.84	64.25	50.80	37.82	39.72	142.62	63.62	59.25	33.14	17.02	7.90	
28	17.43	19.91	50.25	73.29	67.62	155.09	128.31	63.62	52.46	32.22	17.02	7.55	
29	15.81	44.56	47.51	58.07	42.61	104.94	66.94	54.69	52.46	31.76		7.55	
30	25.92	73.29	84.75	36.40	36.87	118.96	56.94	50.25	50.80	33.14		7.21	
31		91.28		39.72	36.87		72.53		48.60	31.76		6.53	
Total	750.49	1001.43	3162.83	1273.22	1705.52	1568.40	3841.41	2569.51	2728.46	1208.81	633.59	351.35	20795.02 Tonday
Mean	25.02	32.30	105.43	41.07	55.02	52.28	123.92	85.65	88.01	38.99	22.63	11.33	56.97 Ton/day
Max	48.06	91.28	365.53	73.29	105.81	155.09	280.81	280.81	402.91	48.06	30.40	17.43	402.91 Ton/day
Min	14.23	17.84	47.51	27.69	36.87	27.25	56.94	44.07	44.07	31.76	17.02	6.53	6.53 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA WEST COAST****Khlong Lam Lon at Ban U-Dai Tai , Satun (X.148)**

Lat 06 - 55 - 42 N Long 99 - 56 - 09 E

Location : on right bank at Ban U-Dai Tai.

	Ban U-Dai Tai	Amphoe Khuan Ka Long	Changwat Satun
Drainage Area	157 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US DH - 48		
Period of Available Records	2021 - Cont' d		
Actual Measurement	2021 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	22		
R-Square	0.9123		
Remarks	Continued Sediment Station		

$$QS = 1.2212 QW^{1.94130}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.86	12.40	177.54	77.82	106.68	197.96	1952.22	370.88	72.57	59.46	164.52	3.04	
2	2.86	11.68	588.43	85.08	56.38	94.61	348.48	234.39	72.57	54.87	102.58	3.23	
3	3.04	10.98	90.74	40.86	117.28	47.62	269.88	167.86	104.62	49.03	77.82	3.23	
4	3.82	21.67	53.38	37.05	28.87	756.51	161.47	134.09	197.96	47.62	59.46	3.42	
5	2.68	9.01	2029.25	31.10	20.73	83.24	161.47	307.44	125.66	44.86	37.05	3.42	
6	2.86	31.10	588.43	23.63	20.73	57.91	219.46	2657.81	94.61	43.51	28.87	3.42	
7	4.47	13.14	555.71	21.67	23.63	43.51	316.15	580.40	79.60	43.51	24.63	3.62	
8	2.68	23.63	131.33	18.01	14.68	49.03	311.96	307.44	67.51	42.18	20.73	3.62	
9	2.51	100.56	83.24	18.01	11.68	35.82	326.76	212.17	197.96	42.18	20.73	3.62	
10	3.62	22.64	69.18	18.01	10.98	27.78	212.17	181.00	155.20	43.51	19.80	3.82	
11	3.04	13.90	120.11	17.15	9.65	23.63	128.36	184.22	332.13	90.74	20.73	3.04	
12	7.23	47.62	81.41	23.63	10.30	24.63	139.93	208.72	128.36	65.86	20.73	3.23	
13	4.03	16.30	51.91	29.98	10.98	38.30	98.55	197.96	104.62	83.24	18.90	3.23	
14	2.51	11.68	44.86	33.42	27.78	25.66	1051.49	238.35	85.08	174.37	17.15	3.42	
15	2.35	9.01	40.86	25.66	79.60	31.10	201.61	613.81	74.30	96.57	14.68	3.42	
16	2.19	69.18	34.61	19.80	32.25	26.71	539.68	417.70	65.86	74.30	13.14	3.42	
17	3.23	65.86	57.91	19.80	167.86	21.67	411.70	719.48	69.18	57.91	11.68	3.62	
18	6.68	21.67	49.03	19.80	70.86	18.90	5262.64	298.85	1035.85	51.91	10.30	3.62	
19	3.62	13.90	42.18	17.15	47.62	20.73	2817.62	187.75	2502.53	46.23	9.01	3.62	
20	7.23	10.30	25.66	16.30	29.98	21.67	1377.45	143.02	1248.09	43.51	7.81	3.82	
21	2.68	19.80	23.63	14.68	33.42	35.82	523.89	114.69	555.71	70.86	6.68	3.23	
22	2.35	10.98	20.73	13.90	34.61	24.63	411.70	122.76	354.02	67.51	5.64	3.23	
23	2.51	8.40	19.80	19.80	22.64	34.61	486.48	117.28	249.79	47.62	4.69	3.23	
24	2.51	7.81	117.28	23.63	32.25	44.86	230.76	920.66	161.47	38.30	4.25	3.04	
25	2.86	7.81	35.82	29.98	33.42	28.87	223.29	212.17	106.68	35.82	3.42	3.04	
26	2.51	7.23	23.63	18.01	28.87	21.67	492.98	151.99	96.57	34.61	3.04	3.04	
27	2.51	7.23	21.67	47.62	20.73	18.01	1543.09	117.28	86.95	33.42	2.68	2.86	
28	2.35	12.40	21.67	24.63	51.91	1543.09	1248.09	98.55	65.86	33.42	2.68	2.86	
29	2.35	54.87	20.73	11.68	21.67	630.86	405.74	88.83	62.62	32.25		2.68	
30	2.35	131.33	56.38	10.30	25.66	2777.25	257.67	81.41	59.46	59.46		2.68	
31		106.68		9.65	39.57		257.67		51.91	238.35		2.68	
Total	98.49	910.77	5277.11	817.81	1243.27	6806.66	22390.41	10388.96	8665.30	1946.99	733.40	101.45	59380.62 Tonday
Mean	3.28	29.38	175.90	26.38	40.11	226.89	722.27	346.30	279.53	62.81	26.19	3.27	162.69 Ton/day
Max	7.23	131.33	2029.25	85.08	167.86	2777.25	5262.64	2657.81	2502.53	238.35	164.52	3.82	5262.64 Ton/day
Min	2.19	7.23	19.80	9.65	9.65	18.01	98.55	81.41	51.91	32.25	2.68	2.68	2.19 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA WEST COAST****Khlong Langu at Ban Wang Pa Khian , Satun (X.150)**

Lat 06 - 56 - 27 N Long 99 - 52 - 22 E

Location : on right bank at Ban Wang Pa Khian.

	Ban Wang Pa Khian	Amphoe Langu	Changwat Satun
Drainage Area	517 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US DH - 48		
Period of Available Records	1998 - Cont' d		
Actual Measurement	1998 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	23		
R-Square	0.8606		
Remarks	Continued Sediment Station		

$$QS = 0.7250 QW^{1.59710}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	458.77	43.59	959.91	374.77	289.09	430.07	3120.60	731.45	165.75	133.92	54.79	16.97	
2	311.12	44.67	2645.99	286.38	663.51	601.65	1525.13	601.65	170.18	121.90	49.07	17.73	
3	417.53	40.42	4445.37	195.34	426.92	214.44	525.01	566.33	186.04	110.32	46.85	16.97	
4	545.52	88.48	2203.60	121.90	224.24	1335.59	308.34	395.94	449.13	102.84	54.79	15.49	
5	207.20	54.79	501.45	254.60	93.77	801.83	311.12	414.42	414.42	97.36	44.67	14.76	
6	127.86	99.17	414.42	119.94	77.25	202.42	528.40	3160.35	231.69	88.48	41.47	12.68	
7	202.42	95.56	904.37	88.48	167.96	142.15	975.27	2278.35	209.60	90.23	40.42	12.01	
8	110.32	167.96	478.29	70.72	81.26	140.08	1567.83	1329.82	181.46	93.77	37.35	11.36	
9	74.61	498.11	302.79	61.95	75.92	102.84	985.56	616.00	398.99	106.55	35.34	10.72	
10	79.92	200.05	219.32	69.44	57.14	75.92	501.45	402.06	445.93	82.62	34.36	10.09	
11	58.33	93.77	267.67	59.53	47.96	64.41	278.31	402.06	328.04	95.56	32.42	10.09	
12	68.17	283.68	179.18	64.41	41.47	93.77	214.44	383.79	272.97	90.23	29.59	8.88	
13	50.19	114.13	123.88	110.32	36.34	270.32	239.24	402.06	241.77	101.00	27.76	8.88	
14	57.14	69.44	99.17	102.84	35.34	188.35	1387.94	548.97	204.81	148.45	26.86	7.73	
15	57.14	60.73	97.36	102.84	212.02	114.13	924.42	1411.45	193.00	123.88	25.10	7.17	
16	41.47	159.18	97.36	291.81	345.29	97.36	825.83	985.56	207.20	93.77	24.23	7.17	
17	45.75	395.94	176.91	167.96	528.40	81.26	1656.65	1238.76	157.01	68.17	24.23	6.64	
18	181.46	123.88	475.02	112.22	219.32	78.58	2911.77	939.57	650.23	60.73	24.23	6.11	
19	53.62	70.72	426.92	69.44	129.86	112.22	7014.10	538.65	5638.11	58.33	23.38	6.11	
20	57.14	52.47	200.05	57.14	91.99	64.41	6398.31	330.89	6460.67	57.14	22.53	6.11	
21	42.53	57.14	172.42	50.19	108.43	75.92	3446.60	259.80	3832.99	129.86	22.53	5.61	
22	33.38	47.96	104.69	44.67	239.24	106.55	1112.15	445.93	1399.68	97.36	21.70	5.61	
23	26.86	44.67	85.36	44.67	119.94	188.35	521.62	471.75	587.43	148.45	20.08	6.11	
24	23.38	34.36	333.75	53.62	86.74	348.20	411.32	2335.03	420.65	110.32	17.73	6.11	
25	23.38	28.67	302.79	121.90	119.94	146.34	395.94	2129.78	330.89	104.69	17.73	6.64	
26	25.10	25.97	133.92	221.77	82.62	97.36	869.68	616.00	272.97	85.36	16.97	6.11	
27	63.18	24.23	95.56	91.99	64.41	70.72	3186.96	342.39	236.71	68.17	16.22	5.12	
28	28.67	27.76	74.61	86.74	74.61	1112.15	2670.89	259.80	207.20	63.18	15.49	4.65	
29	25.10	138.01	65.66	70.72	54.79	2695.88	1074.64	229.20	183.74	57.14		4.65	
30	25.10	552.43	99.17	50.19	53.62	2584.12	402.06	188.35	163.55	74.61		4.19	
31		645.82		44.67	146.34		354.04		146.34	68.17		4.19	
Total	3522.36	4383.76	16686.96	3663.16	4995.73	12637.39	46645.62	24956.16	24989.15	2932.56	847.89	272.66	146533.40 Tonday
Mean	117.41	141.41	556.23	118.17	161.15	421.25	1504.70	831.87	806.10	94.60	30.28	8.80	401.46 Ton/day
Max	545.52	645.82	4445.37	374.77	663.51	2695.88	7014.10	3160.35	6460.67	148.45	54.79	17.73	7014.10 Ton/day
Min	23.38	24.23	65.66	44.67	35.34	64.41	214.44	188.35	146.34	57.14	15.49	4.19	4.19 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA WEST COAST****Khlong Bang Yai at Satree Phuket School , Phuket (X.191)**

Lat 07 - 53 - 28 N Long 98 - 23 - 30 E

Location : on left bank at Satree Phuket School.

	Ban -	Amphoe Mueang	Changwat Phuket
Drainage Area	56 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.DH - 48		
Period of Available Records	2003-Cont'd		
Actual Measurement	2003-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	37		
R-Square	0.8473		
Remarks	Continued Sediment Station		

$$QS = 6.8996 QW^{1.50590}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.61	4.93	117.49	15.89	229.55	47.49	90.63	182.44	47.49	5.89	2.07	1.74	
2	6.39	3.20	24.19	36.45	265.86	43.57	49.49	128.70	43.57	5.89	2.07	1.13	
3	3.61	25.62	15.89	13.22	100.43	103.77	51.51	76.01	41.65	6.90	2.07	1.13	
4	3.20	8.85	14.00	97.13	70.49	59.89	34.82	57.76	36.45	5.89	1.74	1.13	
5	2.80	5.89	10.96	65.12	41.65	36.45	25.62	55.65	132.61	4.93	1.74	1.13	
6	3.20	4.03	7.53	41.65	30.11	23.09	13.22	59.89	107.15	4.93	2.07	1.13	
7	4.93	4.47	8.18	25.62	24.19	20.94	13.22	55.65	55.65	4.03	1.74	1.42	
8	4.47	4.03	19.89	20.94	20.94	15.89	10.24	67.79	53.57	3.61	2.43	1.13	
9	8.85	4.03	8.18	19.89	15.89	14.00	12.45	53.57	57.76	3.20	1.74	1.13	
10	4.47	4.93	8.85	15.89	11.70	13.22	19.89	38.10	45.51	3.20	1.74	1.13	
11	3.20	5.89	22.00	17.85	10.96	11.70	18.86	34.82	34.82	2.80	1.74	1.13	
12	2.80	6.39	10.96	81.66	10.96	19.89	14.00	36.45	28.59	3.20	1.42	1.13	
13	2.43	6.39	10.96	30.11	10.96	14.00	14.00	34.82	24.19	3.20	1.42	1.13	
14	2.07	4.93	22.00	18.86	9.54	13.22	204.73	27.09	17.85	2.80	1.42	1.13	
15	2.07	4.93	27.09	14.00	9.54	12.45	239.74	67.79	16.86	2.80	1.42	1.13	
16	2.43	5.40	24.19	265.86	20.94	17.85	1808.11	409.74	18.86	2.43	1.42	1.13	
17	2.07	7.53	36.45	65.12	27.09	14.94	640.94	152.72	18.86	2.43	1.42	1.13	
18	2.07	3.61	38.10	30.11	18.86	12.45	816.23	93.86	38.10	2.80	1.42	1.13	
19	2.07	2.80	17.85	18.86	14.94	17.85	1379.95	51.51	20.94	3.20	1.74	1.13	
20	2.07	8.18	28.59	30.11	15.89	19.89	867.36	41.65	14.94	2.80	3.20	1.13	
21	1.74	9.54	15.89	19.89	53.57	14.94	610.24	59.89	13.22	2.43	2.07	1.13	
22	6.39	5.40	14.00	25.62	239.74	28.59	501.82	371.05	8.18	2.07	1.42	1.13	
23	5.40	4.03	27.09	31.65	70.49	27.09	287.40	457.76	6.39	3.61	1.42	1.13	
24	4.47	3.61	51.51	16.86	53.57	36.45	182.44	390.24	6.90	4.03	1.42	1.13	
25	3.61	4.47	17.85	13.22	501.82	19.89	128.70	152.72	6.39	4.47	1.42	1.13	
26	6.39	2.80	14.00	57.76	554.91	12.45	87.45	117.49	6.90	4.03	1.42	1.13	
27	3.20	5.40	10.24	16.86	186.83	10.24	87.45	76.01	6.39	2.80	1.13	1.13	
28	8.18	14.00	9.54	16.86	103.77	10.96	136.56	62.49	6.39	2.43	1.74	1.13	
29	2.07	78.82	9.54	90.63	57.76	53.57	117.49	55.65	5.89	2.07		1.13	
30	2.80	49.49	10.24	53.57	107.15	81.66	315.49	51.51	5.40	2.07		1.13	
31		38.10		22.00	47.49		755.55		5.89	2.07		0.86	
Total	113.06	341.69	653.25	1289.26	2937.59	828.39	9535.60	3520.82	933.36	109.01	48.07	35.66	20345.76 Tonday
Mean	3.77	11.02	21.77	41.59	94.76	27.61	307.60	117.36	30.11	3.52	1.72	1.15	55.74 Ton/day
Max	8.85	78.82	117.49	265.86	554.91	103.77	1808.11	457.76	132.61	6.90	3.20	1.74	1808.11 Ton/day
Min	1.74	2.80	7.53	13.22	9.54	10.24	10.24	27.09	5.40	2.07	1.13	0.86	0.86 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA WEST COAST****Khlong Kapong at Ban Tha Na , Phang Nga (X.196)**

Lat 08 - 42 - 09 N Long 98 - 24 - 33 E

Location : on left bank at the bridge.

	Ban Tha Na	Amphoe Kapong	Changwat Phang Nga
Drainage Area	131 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.DH - 48		
Period of Available Records	2003 - Cont' d		
Actual Measurement	2003 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	25		
R-Square	0.7286		
Remarks	Continued Sediment Station		

$$QS = 4.9727 QW^{1.01140}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	26.60	18.93	308.40	80.82	187.53	119.06	227.66	73.56	14.60	11.55	7.49	4.47	
2	53.12	53.12	213.48	187.53	215.85	89.91	139.93	65.53	14.60	11.55	8.00	4.47	
3	35.59	91.99	169.20	106.55	162.92	80.82	104.47	57.77	12.05	11.55	8.50	4.47	
4	17.65	79.00	129.49	308.40	125.31	296.29	104.47	53.12	10.53	11.04	7.49	4.47	
5	14.09	39.45	100.31	267.34	94.07	187.53	86.27	50.02	10.02	11.04	6.99	4.22	
6	27.89	35.59	82.64	182.81	80.82	336.87	94.07	53.12	10.53	10.53	6.99	4.22	
7	36.88	33.02	70.19	131.57	70.19	252.88	84.45	48.47	11.55	11.04	6.48	3.97	
8	26.60	30.45	68.64	123.23	62.42	255.77	75.37	50.02	12.56	10.53	6.48	3.97	
9	18.93	26.60	60.87	146.19	56.22	165.02	67.08	43.83	20.21	10.53	6.48	3.97	
10	15.11	22.76	63.97	135.75	51.57	137.84	75.37	39.45	25.32	12.56	6.48	3.97	
11	26.60	24.04	54.67	160.83	46.92	112.80	60.87	38.16	30.45	20.21	7.49	3.97	
12	20.21	39.45	48.47	247.09	42.28	114.89	54.67	35.59	31.74	14.60	6.48	3.72	
13	14.60	40.74	45.37	213.48	39.45	94.07	51.57	34.30	34.30	13.58	5.98	3.72	
14	13.07	31.74	62.42	158.74	35.59	82.64	50.02	34.30	36.88	12.05	5.98	3.72	
15	12.05	27.89	60.87	171.30	36.88	68.64	80.82	34.30	40.74	10.53	5.48	3.72	
16	11.55	27.89	53.12	148.28	116.97	65.53	116.97	34.30	29.17	10.02	5.48	3.47	
17	11.55	26.60	50.02	123.23	63.97	63.97	305.24	43.83	16.38	9.52	4.97	3.47	
18	33.02	24.04	46.92	98.23	88.09	57.77	237.11	40.74	18.93	9.52	5.48	3.47	
19	45.37	27.89	43.83	84.45	45.37	54.67	314.73	42.28	16.38	9.01	5.98	3.22	
20	29.17	42.28	53.12	239.47	39.45	70.19	397.05	39.45	15.11	9.01	6.48	3.22	
21	20.21	70.19	48.47	249.98	71.74	57.77	336.87	34.30	14.60	9.01	9.52	3.22	
22	16.38	45.37	45.37	180.46	230.02	57.77	220.57	73.56	14.60	8.50	6.48	3.22	
23	14.60	35.59	50.02	167.11	175.75	60.87	167.11	102.39	14.09	8.50	5.48	3.22	
24	21.49	29.17	57.77	125.31	139.93	59.32	139.93	73.56	13.58	8.00	4.97	3.22	
25	26.60	27.89	48.47	104.47	94.07	59.32	162.92	45.37	13.58	9.52	4.97	3.22	
26	31.74	26.60	60.87	104.47	162.92	48.47	121.14	40.74	13.07	11.55	4.97	2.97	
27	26.60	27.89	53.12	104.47	119.06	54.67	102.39	39.45	13.07	9.01	4.72	2.97	
28	31.74	51.57	59.32	91.99	86.27	79.00	106.55	38.16	12.56	8.50	4.72	2.97	
29	24.04	406.56	71.74	79.00	104.47	206.40	104.47	40.74	12.56	8.00		3.22	
30	20.21	432.21	88.09	67.08	116.97	222.93	89.91	22.76	12.05	8.00		3.47	
31		314.73		62.42	165.02		71.74		12.05	7.49		3.47	
Total	723.26	2211.24	2369.24	4652.05	3128.09	3613.68	4351.79	1423.17	557.86	326.05	177.01	113.07	23646.51 Ton/day
Mean	24.11	71.33	78.97	150.07	100.91	120.46	140.38	47.44	18.00	10.52	6.32	3.65	64.78 Ton/day
Max	53.12	432.21	308.40	308.40	230.02	336.87	397.05	102.39	40.74	20.21	9.52	4.47	432.21 Ton/day
Min	11.55	18.93	43.83	62.42	35.59	48.47	50.02	22.76	10.02	7.49	4.72	2.97	2.97 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA WEST COAST****Khlong La - Un at Ban La - Un Tai, Ranong (X.205)**

Lat 10 - 06 - 37 N Long 98 - 45 - 32 E

Location : on left bank at Ban La - Un.

	Ban	La - Un Tai	Amphoe	La - Un	Changwat	Ranong
Drainage Area	229	sq.km.				
Method of sampling	Depth	Integrating				
Instrument Used	US.DH - 48					
Period of Available Records	2004 - Cont'	d				
Actual Measurement	2004 - Cont'	d				
Using Rating Curve Water Year	2022					
Number of observation	21					
R-Square	0.7923					
Remarks	Continued	Sediment Station				

$$QS = 2.7839 QW^{1.48370}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	707.93	56.98	33.99	18.62	18.62	3.43	351.98	351.98	331.18	18.62	17.48	8.97	
2	48.89	56.98	33.99	17.48	17.48	56.43	17.48	351.98	331.18	20.97	75.77	8.97	
3	215.48	209.54	31.22	82.29	18.62	3.65	18.62	181.95	252.24	20.97	75.77	8.97	
4	45.77	56.98	15.28	18.62	70.73	3.65	18.62	18.62	345.00	20.97	60.33	8.97	
5	1063.73	227.52	15.28	17.48	338.07	65.46	17.48	359.01	186.32	18.62	52.08	15.28	
6	221.47	186.32	16.37	471.85	41.22	56.43	17.48	351.98	842.45	18.62	55.33	52.08	
7	156.74	44.24	32.60	88.98	18.62	56.43	17.48	56.98	728.13	18.62	55.33	47.33	
8	72.52	173.46	17.48	394.81	16.37	144.15	17.48	55.33	351.98	20.97	70.73	92.45	
9	16.37	56.98	17.48	1078.11	156.74	15.64	18.62	331.18	351.98	20.97	113.89	113.89	
10	16.37	113.89	20.97	6055.53	18.62	4.11	18.62	351.98	152.76	20.97	106.63	148.66	
11	18.62	169.19	33.99	2739.28	99.39	17.86	85.67	351.98	18.62	44.24	88.98	152.76	
12	144.60	160.91	277.77	6693.30	181.95	14.21	18.62	31.22	233.62	44.24	44.24	252.24	
13	18.62	264.90	571.89	2350.47	18.62	192.04	18.62	277.77	17.48	47.33	48.89	72.52	
14	20.97	454.35	571.89	162.46	245.98	18.62	20.97	18.62	18.62	45.77	48.89	70.73	
15	16.37	416.82	387.56	81.05	99.39	16.37	18.62	359.01	18.62	42.72	8.97	39.74	
16	140.73	553.24	233.62	60.89	18.62	16.37	707.93	351.98	20.97	47.33	22.18	8.97	
17	215.48	498.51	169.19	66.62	173.46	18.62	2453.38	351.98	20.97	42.72	52.08	144.60	
18	132.79	277.77	317.54	26.79	18.62	18.62	769.07	351.98	17.48	39.74	75.77	8.97	
19	221.47	310.79	380.36	3.65	525.64	132.79	1521.34	351.98	17.48	44.24	35.40	121.31	
20	197.82	317.54	221.47	17.48	297.44	144.60	387.56	351.98	17.48	18.62	38.27	277.77	
21	18.62	416.82	32.60	3506.89	507.50	20.97	978.79	42.72	17.48	18.62	148.66	203.65	
22	18.62	609.79	39.74	758.77	1150.94	18.62	1619.07	18.62	62.03	14.21	42.72	117.65	
23	18.62	1457.29	39.74	923.45	160.91	99.39	351.98	221.47	55.33	11.49	148.66	148.66	
24	227.52	869.18	28.54	18.62	48.89	387.56	1521.34	331.18	67.21	18.62	121.31	113.89	
25	233.62	629.03	831.84	165.11	40.72	338.07	728.13	431.70	67.21	82.29	156.74	75.77	
26	156.74	923.45	394.81	144.60	19.40	471.85	718.01	687.93	338.07	72.52	68.96	56.98	
27	387.56	821.26	144.60	923.45	18.24	245.98	1602.64	290.84	221.47	70.73	117.65	58.65	
28	160.91	1049.41	409.44	169.19	26.79	169.19	769.07	85.67	140.73	78.95	14.21	60.33	
29	156.74	923.45	106.63	152.76	17.48	562.54	687.93	82.29	181.95	72.52		63.74	
30	203.65	1668.68	85.67	197.82	25.93	2659.58	697.91	42.72	70.73	35.40		58.65	
31		923.45		156.74	45.77		718.01		42.72	27.22		68.96	
Total	5275.34	14898.72	5513.55	27563.16	4456.77	5973.23	16908.52	7444.63	5539.49	1119.82	1965.92	2682.11	99341.26 Ton/day
Mean	175.84	480.60	183.78	889.13	143.77	199.11	545.44	248.15	178.69	36.12	70.21	86.52	272.17 Ton/day
Max	1063.73	1668.68	831.84	6693.30	1150.94	2659.58	2453.38	687.93	842.45	82.29	156.74	277.77	6693.30 Ton/day
Min	16.37	44.24	15.28	3.65	16.37	3.43	17.48	18.62	17.48	11.49	8.97	8.97	3.43 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA WEST COAST****Upper Khlong Kapoe at Ban Chaew Lueang , Ranong (X.208A)**

Lat 09 - 35 - 23 N Long 98 - 37 - 59 E

Location : on left bank at the bridge.

	Ban Chaew Lueang	Amphoe Kapoe	Changwat Ranong
Drainage Area	189 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.DH - 48		
Period of Available Records	2021 - Cont' d		
Actual Measurement	2021 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	21		
R-Square	0.8970		
Remarks	Continued Sediment Station		

$$QS = 2.4414 QW^{1.38000}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.35	6.35	96.87	46.04	52.98	27.62	758.87	46.04	50.64	21.27	9.61	5.92	
2	6.35	5.08	75.32	41.57	60.19	34.40	306.77	40.10	47.56	21.27	9.13	5.92	
3	6.35	6.35	55.36	37.22	89.52	34.40	205.11	37.22	75.32	20.06	9.13	5.49	
4	18.86	9.61	46.04	52.98	47.56	30.28	144.08	34.40	169.51	20.06	9.13	5.49	
5	33.01	25.02	46.04	104.37	41.57	65.13	108.18	33.01	296.61	18.86	8.65	5.49	
6	34.40	50.64	35.80	89.52	37.22	218.93	85.91	62.64	152.43	17.69	8.65	5.08	
7	34.40	62.64	34.40	49.09	35.80	182.64	123.79	37.22	127.78	17.69	8.65	5.08	
8	33.01	34.40	30.28	50.64	33.01	281.56	89.52	33.01	148.24	16.54	8.17	5.08	
9	33.01	25.02	27.62	539.78	31.63	160.90	70.17	30.28	93.17	16.54	8.17	4.67	
10	33.01	21.27	25.02	670.37	33.01	104.37	96.87	27.62	72.73	15.41	7.71	4.67	
11	31.63	20.06	23.75	1086.34	28.94	72.73	85.91	26.31	62.64	15.41	7.71	4.67	
12	31.63	31.63	21.27	1992.15	27.62	60.19	62.64	26.31	55.36	16.54	7.71	4.67	
13	30.28	20.06	20.06	1852.67	25.02	67.64	60.19	26.31	52.98	14.30	7.25	4.67	
14	26.31	13.22	21.27	783.52	25.02	67.64	52.98	25.02	46.04	16.54	7.25	4.67	
15	25.02	9.13	21.27	417.39	26.31	49.09	123.79	43.04	41.57	13.22	7.25	4.67	
16	22.50	8.65	22.50	256.96	50.64	44.54	57.76	28.94	40.10	13.22	6.80	4.67	
17	20.06	7.71	17.69	178.23	191.54	38.65	200.56	37.22	37.22	12.15	6.80	5.08	
18	17.69	6.35	16.54	127.78	57.76	37.22	144.08	152.43	385.81	14.30	6.80	5.49	
19	15.41	6.35	15.41	115.91	35.80	139.95	123.79	75.32	55.36	11.12	6.80	5.08	
20	12.15	9.61	14.30	93.17	33.01	52.98	306.77	47.56	44.54	11.12	6.80	5.08	
21	11.12	49.09	14.30	228.28	33.01	89.52	291.57	47.56	41.57	10.61	6.35	5.08	
22	10.11	223.59	13.22	242.50	123.79	75.32	209.69	178.23	38.65	10.61	6.35	5.08	
23	9.13	431.34	14.30	232.99	46.04	55.36	160.90	169.51	35.80	10.61	6.35	5.08	
24	8.17	380.39	13.22	160.90	41.57	47.56	131.80	93.17	33.01	10.11	5.92	5.08	
25	7.25	112.03	12.15	139.95	35.80	43.04	112.03	72.73	31.63	11.12	5.92	4.67	
26	6.80	38.65	12.15	108.18	35.80	40.10	89.52	139.95	28.94	13.22	5.92	5.08	
27	6.80	35.80	12.15	85.91	33.01	60.19	82.34	85.91	28.94	10.11	5.92	5.49	
28	6.80	100.60	11.12	100.60	33.01	119.83	67.64	93.17	26.31	10.11	5.92	5.08	
29	6.35	473.91	11.12	75.32	31.63	577.38	62.64	72.73	26.31	10.11		4.67	
30	6.35	205.11	35.80	65.13	31.63	403.58	52.98	57.76	23.75	9.61		4.67	
31		165.19		57.76	30.28		60.19		22.50	9.61		4.67	
Total	550.31	2594.85	816.34	10083.22	1439.72	3282.74	4529.04	1880.72	2393.02	439.14	206.82	156.29	28372.21 Ton/day
Mean	18.34	83.70	27.21	325.27	46.44	109.42	146.10	62.69	77.19	14.17	7.39	5.04	77.73 Ton/day
Max	34.40	473.91	96.87	1992.15	191.54	577.38	758.87	178.23	385.81	21.27	9.61	5.92	1992.15 Ton/day
Min	6.35	5.08	11.12	37.22	25.02	27.62	52.98	25.02	22.50	9.61	5.92	4.67	4.67 Ton/day

WATER YEAR : 2022

SOUTHERN PENINSULA WEST COAST

Trang River at Ban Klang , Trang (X.228)

Lat 07 - 38 - 43 N Long 99 - 31 - 57 E

Location : on left bank at Ban Klang.

	Ban Klang	Amphoe Mueang	Changwat Trang
Drainage Area	2,692 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.DH - 48		
Period of Available Records	2021 - Cont' d		
Actual Measurement	2021 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	24		
R-Square	0.7139		
Remarks	Continued Sediment Station		

$$QS = 0.4440 QW^{1.60050}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	358.33	483.65	1506.99	528.50	843.17	488.56	1868.39	676.19	785.98	362.71	153.71	46.35	
2	656.31	403.10	872.32	349.61	1216.84	730.31	2176.64	969.62	744.09	323.95	136.26	48.40	
3	1267.09	601.17	682.87	303.13	1549.24	954.40	1700.51	872.32	1382.91	286.85	126.65	49.43	
4	1423.83	1078.66	430.90	246.13	1275.54	939.27	1159.19	574.81	1656.75	267.77	174.61	46.35	
5	1015.82	771.92	323.95	538.66	1031.40	1167.36	879.67	435.60	2218.13	258.41	219.33	54.74	
6	1054.93	723.46	371.55	954.40	676.19	916.75	1151.04	412.29	2967.41	255.32	185.43	50.48	
7	1486.04	1413.56	449.82	1062.82	785.98	559.21	2649.02	508.38	2753.64	246.13	133.83	43.34	
8	1823.05	1656.75	601.17	850.42	643.17	403.10	3880.88	606.50	2232.03	231.10	109.34	39.44	
9	1800.53	1434.13	508.38	478.76	421.55	403.10	4333.34	528.50	1914.15	228.14	97.80	36.80	
10	1258.66	1800.53	393.98	454.60	362.71	328.18	3842.42	398.53	1678.58	216.42	88.30	35.32	
11	709.84	1914.15	730.31	574.81	307.25	264.64	3250.97	328.18	1393.10	231.10	82.17	35.32	
12	454.60	1667.65	916.75	488.56	240.08	252.24	2575.22	398.53	1175.55	249.18	76.21	32.43	
13	606.50	1322.38	1047.06	778.94	204.95	299.03	1570.52	518.40	1250.25	290.89	71.85	32.43	
14	1023.60	1192.00	1015.82	887.04	177.29	821.55	1102.59	426.22	1403.31	380.46	66.18	31.72	
15	1581.21	1054.93	857.70	821.55	303.13	879.67	872.32	901.85	1175.55	283.64	62.05	30.32	
16	1486.04	835.94	1159.19	835.94	426.22	533.57	1062.82	1778.12	1031.40	249.18	59.35	29.63	
17	1086.61	850.42	1062.82	1015.82	407.68	380.46	2273.92	2444.37	931.74	188.18	56.92	28.27	
18	730.31	662.91	793.05	835.94	412.29	280.44	3461.75	2415.64	1322.38	148.65	53.66	27.60	
19	538.66	548.90	513.38	595.87	307.25	246.13	4951.18	1891.22	4783.41	136.26	51.53	26.93	
20	426.22	426.22	336.69	421.55	225.19	193.71	6478.26	1241.87	6254.06	126.65	49.43	26.93	
21	332.42	384.95	380.46	554.05	213.53	164.04	6736.98	887.04	6254.06	129.03	50.48	25.62	
22	261.52	384.95	493.49	764.93	528.50	138.71	5934.63	821.55	5577.32	124.28	62.05	25.62	
23	213.53	353.96	606.50	821.55	730.31	169.29	4659.01	1486.04	4576.76	117.87	58.02	24.97	
24	179.99	267.77	574.81	821.55	682.87	207.79	2998.43	3445.36	3029.58	114.43	55.83	24.97	
25	146.14	216.42	630.13	730.31	518.40	177.29	1983.58	5206.88	1744.70	117.87	49.43	24.33	
26	124.28	193.71	503.40	814.39	630.13	156.27	1602.66	5533.25	1126.72	280.44	45.34	22.44	
27	146.14	166.66	393.98	1302.43	1078.66	129.03	1413.56	4393.72	807.25	473.89	43.34	21.83	
28	151.17	146.14	311.40	2030.37	977.26	131.42	1444.45	2415.64	636.64	358.33	44.33	20.61	
29	146.14	249.18	303.13	2358.57	508.38	319.74	1031.40	1789.31	533.57	225.19		20.02	
30	274.08	1302.43	323.95	2018.63	307.25	771.92	737.19	1275.54	464.21	185.43		18.84	
31		1879.79		1183.77	290.89		601.17		407.68	169.29		18.84	
Total	22763.59	26388.39	19095.95	26423.60	18283.30	13407.18	80383.71	45581.47	64212.91	7257.04	2463.43	1000.32	327260.89 Ton/day
Mean	758.79	851.24	636.53	852.37	589.78	446.91	2593.02	1519.38	2071.38	234.10	87.98	32.27	896.61 Ton/day
Max	1823.05	1914.15	1506.99	2358.57	1549.24	1167.36	6736.98	5533.25	6254.06	473.89	219.33	54.74	6736.98 Ton/day
Min	124.28	146.14	303.13	246.13	177.29	129.03	601.17	328.18	407.68	114.43	43.34	18.84	18.84 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA WEST COAST****Lower Khlong Palian at Ban Yan Ta Khaow , Trang (X.236)**

Lat 07 - 22 - 19 N Long 99 - 40 - 37 E

Location : on right bank at Ban Yan Ta Khaow.

	Ban	Yan Ta Khaow	Amphoe	Yan Ta Khaow	Changwat	Trang
Drainge Area	731	sq.km.				
Method of sampling	Depth Integrating					
Instrument Used	US.DH-49					
Period of Available Records	2005-Cont'd					
Actual Measurement	2005-2006, 2010-Cont'd					
Using Rating Curve Water Year	2022					
Number of observation	19					
R-Square	0.7079					
Remarks	Continued Sediment Station					

$$QS = 2.3872 QW^{1.26880}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	341.19	250.06	307.32	297.19	309.87	100.75	631.04	294.66	225.97	143.94	58.84	32.08	
2	341.19	230.75	522.59	304.78	329.10	225.97	463.57	374.89	228.36	137.47	60.33	34.73	
3	304.78	186.26	542.59	289.63	359.49	204.75	603.52	274.65	262.29	135.33	66.40	38.78	
4	307.32	165.93	353.36	294.66	279.62	309.87	418.73	242.78	368.71	148.28	78.89	44.33	
5	259.84	141.77	329.10	428.26	235.54	272.17	402.96	257.38	460.34	146.10	78.89	51.47	
6	247.63	170.40	368.71	329.10	204.75	225.97	841.49	329.10	353.36	143.94	83.68	58.84	
7	274.65	216.48	457.11	289.63	223.59	209.43	956.39	457.11	329.10	146.10	85.29	69.48	
8	240.36	193.15	297.19	233.14	188.55	218.85	927.38	344.22	356.42	159.26	86.91	74.15	
9	204.75	179.43	309.87	204.75	174.90	223.59	711.55	307.32	371.80	157.05	85.29	71.03	
10	186.26	165.93	279.62	204.75	200.09	214.13	552.65	269.69	356.42	148.28	96.09	67.94	
11	159.26	157.05	338.16	204.75	200.09	207.08	473.30	269.69	307.32	137.47	96.09	67.94	
12	118.46	190.85	390.43	214.13	207.08	225.97	406.10	279.62	302.25	126.84	88.54	66.40	
13	200.09	190.85	353.36	233.14	209.43	267.22	356.42	250.06	292.15	118.46	78.89	52.93	
14	193.15	214.13	302.25	240.36	202.42	284.62	428.26	250.06	257.38	135.33	63.35	41.54	
15	233.14	216.48	409.25	230.75	320.09	250.06	381.09	450.66	228.36	112.27	51.47	26.92	
16	221.22	228.36	428.26	216.48	309.87	274.65	502.75	377.99	250.06	92.13	51.47	17.24	
17	207.08	262.29	425.08	154.85	287.12	216.48	610.38	332.11	223.59	82.08	60.33	21.97	
18	195.46	240.36	344.22	179.43	245.20	174.90	586.46	312.42	603.52	80.48	77.30	33.40	
19	186.26	202.42	320.09	186.26	228.36	221.22	884.21	282.12	1813.97	85.29	86.91	42.93	
20	168.16	168.16	309.87	216.48	186.26	154.85	1165.15	254.94	1024.82	90.17	108.17	63.35	
21	154.85	161.48	463.57	157.05	211.77	193.15	922.56	254.94	697.90	168.16	116.39	72.59	
22	126.84	157.05	368.71	137.47	196.23	193.15	688.84	344.22	539.25	137.47	131.07	82.08	
23	98.08	141.77	309.87	209.43	113.64	233.14	559.38	444.24	412.41	143.94	116.39	83.68	
24	75.72	112.27	688.84	269.69	133.91	332.11	463.57	1458.97	341.19	148.28	96.09	80.48	
25	78.89	106.14	648.36	309.87	146.47	245.20	489.62	743.60	299.71	148.28	78.89	72.59	
26	96.09	118.46	457.11	237.95	126.49	230.75	576.27	519.27	272.17	159.26	55.87	58.84	
27	179.43	120.55	353.36	267.22	111.58	235.54	734.41	412.41	254.94	116.39	41.54	44.33	
28	141.77	128.95	332.11	402.96	180.19	185.50	644.89	323.09	223.59	83.68	32.08	25.66	
29	174.90	195.46	314.97	437.83	146.47	479.81	492.89	279.62	197.77	67.94		12.77	
30	188.55	341.19	294.66	412.41	111.58	441.03	371.80	252.50	172.65	60.33		5.75	
31		371.80		356.42	102.09		329.10		152.65	71.03		7.63	
Total	5905.37	5926.23	11619.99	8150.82	6481.84	7251.91	18576.73	11244.33	12180.42	3831.03	2211.45	1523.85	94903.97 Tonday
Mean	196.85	191.17	387.33	262.93	209.09	241.73	599.25	374.81	392.92	123.58	78.98	49.16	260.01 Ton/day
Max	341.19	371.80	688.84	437.83	359.49	479.81	1165.15	1458.97	1813.97	168.16	131.07	83.68	1813.97 Ton/day
Min	75.72	106.14	279.62	137.47	102.09	100.75	329.10	242.78	152.65	60.33	32.08	5.75	5.75 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA WEST COAST****Khlong Phangnga at Ban Bang Tong , Phangnga (X.245)**

Lat 08 - 30 - 48 N Long 98 - 30 - 13 E

Location : on right bank at Ban Bang Tong.

	Ban Bang Tong	Amphoe Mueang	Changwat Phangnga
Drainage Area	245 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.DH - 48		
Period of Available Records	2005 - Cont'd		
Actual Measurement	2005 - Cont' d		
Using Rating Curve Water Year	2022		
Number of observation	25		
R-Square	0.8169		
Remarks	Continued Sediment Station		

$$QS = 2.5062 QW^{1.29110}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	52.82	32.06	683.38	104.64	377.25	141.99	674.23	164.89	72.18	27.53	15.98	6.94	
2	82.69	43.99	426.03	495.21	711.01	110.68	312.46	145.21	74.25	26.43	16.97	6.94	
3	68.06	72.18	347.46	158.27	407.58	97.93	206.73	102.39	76.34	26.43	20.02	6.94	
4	43.99	55.41	224.39	1370.53	300.98	395.39	164.89	91.33	64.00	25.33	16.97	6.94	
5	37.92	46.48	148.45	804.82	198.02	206.73	161.57	84.83	58.02	24.25	15.01	6.13	
6	41.54	42.76	113.73	389.32	154.98	426.03	129.26	82.69	56.71	24.25	15.01	6.13	
7	72.18	48.99	110.68	251.49	129.26	318.23	110.68	80.56	54.11	26.43	13.10	4.97	
8	80.56	50.26	91.33	215.52	110.68	371.25	97.93	86.99	54.11	24.25	13.10	4.97	
9	54.11	43.99	100.16	318.23	100.16	211.11	97.93	78.45	51.54	24.25	13.10	4.97	
10	43.99	36.73	104.64	300.98	95.72	164.89	107.65	68.06	48.99	26.43	13.10	4.41	
11	40.32	37.92	89.15	407.58	86.99	135.59	89.15	64.00	47.73	42.76	14.05	4.97	
12	37.92	52.82	76.34	1056.45	80.56	129.26	80.56	68.06	46.48	33.21	12.17	4.41	
13	33.21	74.25	68.06	674.23	72.18	135.59	76.34	64.00	43.99	27.53	12.17	3.87	
14	30.91	58.02	61.99	407.58	66.02	107.65	84.83	58.02	42.76	27.53	11.25	3.34	
15	28.65	47.73	72.18	482.46	64.00	91.33	126.12	60.66	41.54	24.25	10.35	3.34	
16	27.53	55.41	70.11	383.28	84.83	84.83	295.28	59.34	40.32	22.11	10.35	3.34	
17	26.43	48.99	70.11	256.07	104.64	78.45	795.33	61.99	39.12	22.11	10.35	2.83	
18	42.76	45.23	61.99	193.69	135.59	72.18	834.67	60.66	45.23	21.06	11.25	3.34	
19	50.26	45.23	55.41	158.27	76.34	68.06	1079.26	68.06	40.32	20.02	9.47	3.34	
20	41.54	74.25	59.34	606.49	78.45	74.25	1635.97	70.11	36.73	18.99	9.47	3.87	
21	34.37	97.93	56.71	508.03	102.39	64.00	955.20	58.02	36.73	18.99	12.17	3.34	
22	42.76	76.34	58.02	389.32	224.39	66.02	508.03	164.89	34.37	17.98	12.17	3.34	
23	33.21	58.02	78.45	295.28	193.69	60.66	341.57	359.31	34.37	17.98	10.35	3.34	
24	29.78	50.26	113.73	228.86	154.98	74.25	256.07	365.27	33.21	17.98	8.61	4.97	
25	36.73	47.73	82.69	176.62	107.65	80.56	237.85	126.12	32.06	21.06	8.61	4.41	
26	36.73	47.73	126.12	168.22	256.07	64.00	219.95	102.39	30.91	34.37	9.47	4.41	
27	39.12	64.00	104.64	151.71	161.57	70.11	176.62	89.15	30.91	22.11	8.61	3.87	
28	34.37	107.65	95.72	135.59	126.12	126.12	176.62	80.56	29.78	18.99	7.76	2.83	
29	33.21	2051.36	91.33	113.73	113.73	508.03	151.71	89.15	28.65	17.98		3.87	
30	30.91	1172.87	93.52	107.65	102.39	637.90	129.26	84.83	28.65	16.97		5.55	
31		590.92		93.52	164.89		119.89		27.53	16.97		6.13	
Total	1288.58	5377.51	3935.86	11403.64	5143.11	5173.07	10433.61	3139.99	1381.64	736.53	340.99	142.05	48496.58 Ton/day
Mean	42.95	173.47	131.20	367.86	165.91	172.44	336.57	104.67	44.57	23.76	12.18	4.58	132.87 Ton/day
Max	82.69	2051.36	683.38	1370.53	711.01	637.90	1635.97	365.27	76.34	42.76	20.02	6.94	2051.36 Ton/day
Min	26.43	32.06	55.41	93.52	64.00	60.66	76.34	58.02	27.53	16.97	7.76	2.83	2.83 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA WEST COAST****Khlong Tha Prae at Ban Karakat , Satun (X.261)**

Lat 06 - 50 - 18 N Long 100 - 04 - 10 E

Location : on right bank at Ban Karakat.

	Ban Karakat	Amphoe Khuan Kalong	Changwat Satun
Drainage Area	79 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	2007-Cont'd		
Actual Measurement	2007-Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	23		
R-Square	0.8941		
Remarks	Continued Sediment Station		

$$QS = 3.8668 QW^{1.66630}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.59	8.45	17.75	16.13	12.35	9.35	418.40	89.18	36.08	31.95	6.77	2.04	
2	8.45	8.45	20.29	13.07	12.35	9.35	120.26	54.53	36.08	14.57	5.98	2.04	
3	8.89	8.45	13.07	15.34	12.35	9.35	84.73	40.40	61.92	13.81	5.24	2.04	
4	7.59	8.45	16.93	24.84	12.35	9.35	43.40	38.94	48.04	13.07	3.87	2.04	
5	7.59	14.57	522.05	16.13	12.35	9.35	59.99	268.31	40.40	8.89	3.25	2.04	
6	7.59	10.28	389.68	12.35	12.35	9.35	61.92	683.01	40.40	8.01	3.25	1.84	
7	7.59	28.02	100.69	12.35	13.07	9.35	86.94	345.43	38.94	8.01	2.67	1.84	
8	7.59	43.40	30.61	12.35	13.07	9.81	96.02	235.03	41.89	6.77	2.67	1.84	
9	7.59	86.94	22.98	12.35	13.07	9.81	80.37	67.86	159.43	6.77	2.45	1.84	
10	7.59	14.57	58.08	12.35	13.07	9.81	107.87	51.24	103.06	6.77	2.45	1.84	
11	8.89	10.95	43.40	12.35	13.07	9.81	86.94	54.53	206.02	6.77	2.45	1.84	
12	7.59	11.64	20.29	13.81	13.07	9.81	80.37	67.86	65.85	6.77	2.24	1.84	
13	7.59	11.64	13.81	13.81	13.07	9.81	71.93	122.80	52.88	6.77	2.24	1.84	
14	14.57	11.64	9.35	20.29	13.07	9.81	239.67	138.49	40.40	6.77	2.24	1.84	
15	9.81	11.64	8.45	8.01	13.07	9.81	74.01	253.83	38.94	6.77	2.24	1.84	
16	7.59	12.35	8.01	6.37	13.07	9.81	176.79	130.55	38.94	6.77	2.24	1.84	
17	7.59	11.64	8.01	6.37	13.81	10.28	89.18	84.73	61.92	6.77	2.04	1.84	
18	7.59	11.64	8.01	6.37	13.81	10.28	789.30	49.63	535.75	6.77	2.04	1.84	
19	9.35	10.95	8.01	6.37	13.81	10.28	340.05	40.40	780.21	6.77	2.04	1.84	
20	8.01	10.95	9.35	6.37	13.81	10.28	159.43	38.94	169.76	6.77	2.04	1.84	
21	8.01	10.95	12.35	6.37	13.81	10.28	76.11	38.94	110.30	6.77	2.04	1.84	
22	8.01	10.95	12.35	6.37	13.81	10.28	54.53	37.50	84.73	6.77	2.04	1.84	
23	8.01	10.95	12.35	6.37	13.07	10.28	43.40	54.53	54.53	6.77	2.04	1.84	
24	8.01	10.95	20.29	6.37	9.81	10.28	40.40	127.95	43.40	6.77	2.04	1.84	
25	8.01	10.95	13.81	6.37	9.35	10.28	38.94	52.88	41.89	6.77	2.04	1.84	
26	8.01	10.95	13.07	7.59	9.35	10.28	384.03	40.40	41.89	6.77	2.04	1.84	
27	8.01	10.95	12.35	25.79	9.35	10.28	665.89	38.94	41.89	6.77	2.04	1.84	
28	8.01	10.95	12.35	13.07	9.35	303.34	298.23	37.50	41.89	6.77	2.04	1.84	
29	8.01	48.04	12.35	13.07	9.35	194.85	80.37	37.50	41.89	6.77		1.84	
30	8.01	36.08	20.29	13.07	9.35	1362.08	49.63	36.08	40.40	6.77		1.84	
31		19.43		13.07	9.35		71.93		40.40	6.77		1.84	
Total	246.74	537.77	1470.38	364.89	375.99	2127.09	5071.03	3357.91	3180.12	260.79	76.73	58.04	17127.48 Tonday
Mean	8.22	17.35	49.01	11.77	12.13	70.90	163.58	111.93	102.58	8.41	2.74	1.87	46.92 Ton/day
Max	14.57	86.94	522.05	25.79	13.81	1362.08	789.30	683.01	780.21	31.95	6.77	2.04	1362.08 Ton/day
Min	7.59	8.45	8.01	6.37	9.35	9.35	38.94	36.08	36.08	6.77	2.04	1.84	1.84 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA WEST COAST****Khlong Duson at Ban Panjor , Satun (X.279)**

Lat 06 - 46 - 39 N Long 100 - 04 - 17 E

Location : on right bank at Ban Panjor.

	Ban Panjor	Amphoe Khuan Don	Changwat Satun
Drainge Area	232 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US DH - 48		
Period of Available Records	2013 - Cont'd		
Actual Measurement	2013 - Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	23		
R-Square	0.7682		
Remarks	Continued Sediment Station		

$$QS = 1.4391 QW^{1.60380}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	45.38	16.63	90.76	46.65	26.85	34.51	412.19	242.92	64.42	62.98	28.96	9.96	
2	73.33	30.04	102.57	47.94	24.80	33.37	237.53	387.99	90.76	58.72	27.90	20.00	
3	74.85	34.51	87.49	45.38	61.55	30.04	377.79	130.29	142.58	55.95	28.96	12.04	
4	39.20	22.81	53.23	40.41	36.82	33.37	151.01	99.14	124.30	54.59	30.04	9.96	
5	26.85	19.14	512.67	58.72	28.96	28.96	90.76	138.44	94.08	53.23	25.81	9.30	
6	22.81	22.81	412.19	58.72	57.33	49.25	90.76	604.06	85.87	50.56	23.79	8.65	
7	28.96	20.00	219.80	40.41	146.77	54.59	161.79	245.63	76.39	68.82	22.81	8.03	
8	27.90	40.41	99.14	31.14	51.89	50.56	177.36	232.19	65.87	81.08	20.88	7.42	
9	23.79	102.57	68.82	24.80	33.37	49.25	114.91	120.36	284.76	128.28	20.88	6.83	
10	35.66	44.11	57.33	20.00	27.90	32.25	132.31	92.41	267.73	64.42	19.14	7.42	
11	24.80	40.41	85.87	19.14	22.81	25.81	163.98	95.76	357.70	58.72	18.29	7.42	
12	20.88	36.82	163.98	22.81	20.00	25.81	106.04	146.77	179.62	64.42	18.29	5.74	
13	31.14	21.83	99.14	47.94	17.45	30.04	70.31	195.80	219.80	81.08	17.45	5.74	
14	39.20	17.45	51.89	47.94	19.14	34.51	177.36	157.44	153.14	113.12	15.83	5.25	
15	111.33	15.04	42.87	57.33	45.38	23.79	181.90	504.27	104.30	128.28	15.04	4.77	
16	30.04	16.63	36.82	38.01	24.80	26.85	232.19	309.31	85.87	68.82	15.04	4.77	
17	27.90	30.04	31.14	26.85	20.00	28.96	296.86	384.58	161.79	53.23	14.27	4.77	
18	53.23	20.88	34.51	30.04	17.45	24.80	504.27	293.77	635.76	46.65	13.51	4.77	
19	24.80	15.04	35.66	19.14	24.80	27.90	572.97	222.26	1567.86	53.23	13.51	4.30	
20	21.83	12.77	24.80	16.63	41.63	26.85	312.45	128.28	487.61	60.13	12.77	4.30	
21	24.80	14.27	39.20	15.04	58.72	44.11	168.40	100.85	262.14	68.82	12.77	3.86	
22	21.83	12.04	28.96	15.83	65.87	58.72	118.54	95.76	198.15	64.42	12.04	3.86	
23	15.83	11.33	27.90	104.30	33.37	77.94	92.41	104.30	151.01	51.89	11.33	3.86	
24	13.51	9.30	163.98	36.82	85.87	51.89	74.85	303.06	126.28	47.94	10.63	7.42	
25	13.51	8.03	229.69	44.11	65.87	33.37	73.33	186.49	109.56	41.63	9.96	4.77	
26	12.77	9.96	134.34	67.34	35.66	27.90	166.18	100.85	97.44	44.11	9.30	3.86	
27	15.83	10.63	73.33	161.79	31.14	22.81	772.00	82.66	89.12	35.66	9.30	3.86	
28	13.51	25.81	38.01	42.87	67.34	146.77	444.10	73.33	81.08	34.51	9.30	3.43	
29	14.27	68.82	31.14	39.20	44.11	232.19	267.73	67.34	74.85	32.25		12.04	
30	21.83	155.29	34.51	25.81	36.82	586.22	181.90	62.98	70.31	32.25		5.25	
31		142.58		35.66	35.66		170.62		65.87	32.25		4.30	
Total	951.57	1048.00	3111.74	1328.77	1310.13	1953.39	7094.80	5909.29	6576.02	1892.04	487.80	207.95	31871.50 Tonday
Mean	31.72	33.81	103.72	42.86	42.26	65.11	228.86	196.98	212.13	61.03	17.42	6.71	87.32 Ton/day
Max	111.33	155.29	512.67	161.79	146.77	586.22	772.00	604.06	1567.86	128.28	30.04	20.00	1567.86 Ton/day
Min	12.77	8.03	24.80	15.04	17.45	22.81	70.31	62.98	64.42	32.25	9.30	3.43	3.43 Ton/day

WATER YEAR : 2022**SOUTHERN PENINSULA WEST COAST****Khlong Rong Hut at Ban Jed Tho , Ranong (X.290A)**

Lat 09 - 58 - 10 N Long 98 - 38 - 46 E

Location : on left bank at the bridge.

	Ban Jed Tho	Amphoe Mueang	Changwat Ranong
Drainge Area	10 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US DH - 48		
Period of Available Records	2021 - Cont'd		
Actual Measurement	2021 - Cont'd		
Using Rating Curve Water Year	2022		
Number of observation	21		
R-Square	0.9108		
Remarks	Continued Sediment Station		

$$QS = 3.5885 QW^{1.13610}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2022 to 31 March 2023

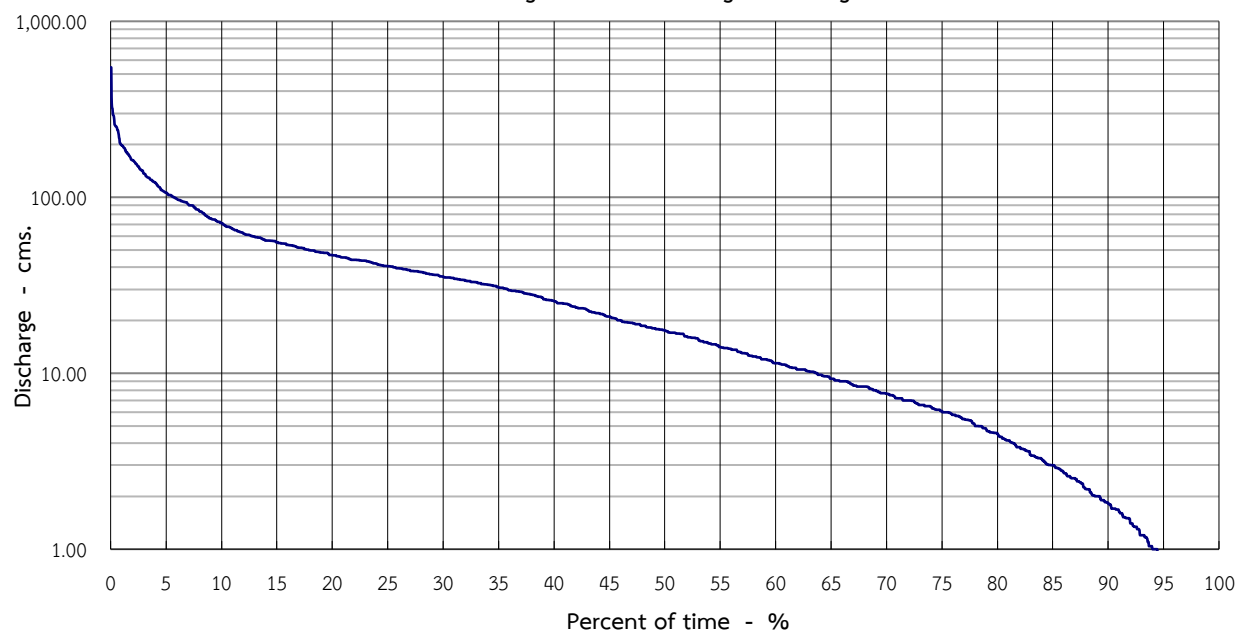
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.51	1.34	2.86	3.34	3.10	4.83	29.46	4.08	2.63	1.05	3.83	0.38	
2	1.20	1.63	2.63	3.59	3.34	4.58	14.75	3.83	2.63	1.05	3.34	0.32	
3	1.34	1.93	4.33	11.65	4.58	4.58	11.65	3.59	2.63	1.05	3.10	0.38	
4	1.78	1.93	3.34	6.91	5.17	6.91	8.88	3.34	4.08	0.91	2.86	0.38	
5	3.59	2.08	2.63	7.62	4.58	12.79	7.98	3.34	4.08	0.91	2.24	0.45	
6	2.63	2.39	2.08	4.58	4.33	12.22	7.26	3.34	3.59	0.91	2.08	0.45	
7	2.63	2.24	2.86	5.17	4.08	22.34	7.98	3.59	3.10	0.91	2.08	0.38	
8	1.93	1.49	2.08	8.88	4.08	15.57	12.22	3.10	3.34	0.91	1.93	0.38	
9	1.78	1.63	1.63	14.75	4.33	11.65	7.98	2.86	2.86	0.91	1.93	0.45	
10	1.63	1.78	1.78	31.89	4.33	8.88	7.26	2.63	2.63	0.91	1.78	0.38	
11	1.34	2.39	1.34	17.24	4.08	7.62	6.56	2.39	2.39	0.91	2.08	0.38	
12	1.05	2.39	1.20	25.87	3.83	6.91	5.86	2.39	2.24	0.91	1.93	0.38	
13	0.91	2.63	1.05	18.07	3.59	6.21	5.52	2.24	2.24	0.84	2.08	0.32	
14	0.91	2.08	1.20	9.43	3.59	7.98	5.52	2.39	2.08	1.49	1.63	0.32	
15	1.05	2.24	1.20	6.91	3.34	6.56	14.75	3.59	2.08	2.24	1.20	0.26	
16	0.91	3.59	1.05	5.52	5.17	5.86	7.26	3.10	1.93	2.63	1.05	0.26	
17	0.78	4.33	0.91	4.58	6.21	5.86	21.48	4.33	1.93	2.63	1.05	0.32	
18	1.05	4.33	0.91	4.08	4.58	6.21	20.62	4.08	1.93	3.10	0.91	0.26	
19	0.91	6.21	0.84	4.33	5.17	17.24	11.65	2.63	1.78	2.86	1.20	0.32	
20	1.05	5.86	0.84	3.83	5.17	10.53	15.57	2.39	1.78	2.24	1.34	0.23	
21	0.91	7.62	0.84	13.36	8.34	7.98	19.77	2.24	1.63	2.24	0.51	0.23	
22	0.91	7.62	0.84	9.43	11.65	6.91	11.65	4.08	1.63	2.86	0.45	0.23	
23	1.34	5.17	0.84	7.26	10.53	8.88	8.88	4.08	1.63	3.34	0.38	0.20	
24	1.34	3.34	0.91	5.52	7.26	7.98	7.62	6.56	1.63	2.86	0.51	0.23	
25	1.49	3.34	1.34	4.83	6.56	6.91	6.91	4.83	1.49	3.34	0.51	0.23	
26	1.49	4.08	1.34	4.58	5.86	6.56	6.21	5.17	1.34	3.59	0.45	0.23	
27	0.91	3.34	1.20	4.08	5.86	15.57	5.86	5.52	1.34	3.59	0.38	0.32	
28	1.63	3.34	1.49	3.59	4.83	16.40	5.17	3.83	1.34	3.59	0.38	0.26	
29	1.78	6.56	1.93	3.34	5.86	27.06	4.83	3.34	1.34	3.83		0.17	
30	1.34	5.86	3.59	3.34	4.83	27.06	4.58	3.10	1.20	3.59		0.20	
31		4.33		3.10	5.52		4.33		1.20	3.59		0.20	
Total	42.12	109.09	51.08	260.67	163.75	316.64	316.02	105.98	67.72	65.79	43.21	9.50	1551.57 Tonday
Mean	1.40	3.52	1.70	8.41	5.28	10.55	10.19	3.53	2.18	2.12	1.54	0.31	4.25 Ton/day
Max	3.59	7.62	4.33	31.89	11.65	27.06	29.46	6.56	4.08	3.83	3.83	0.45	31.89 Ton/day
Min	0.51	1.34	0.84	3.10	3.10	4.58	4.33	2.24	1.20	0.84	0.38	0.17	0.17 Ton/day

Appendix

Flow Duration Curve for Daily Discharge
(2013-2022)

Flow Duration Curve for Daily Discharge (2013-2022)

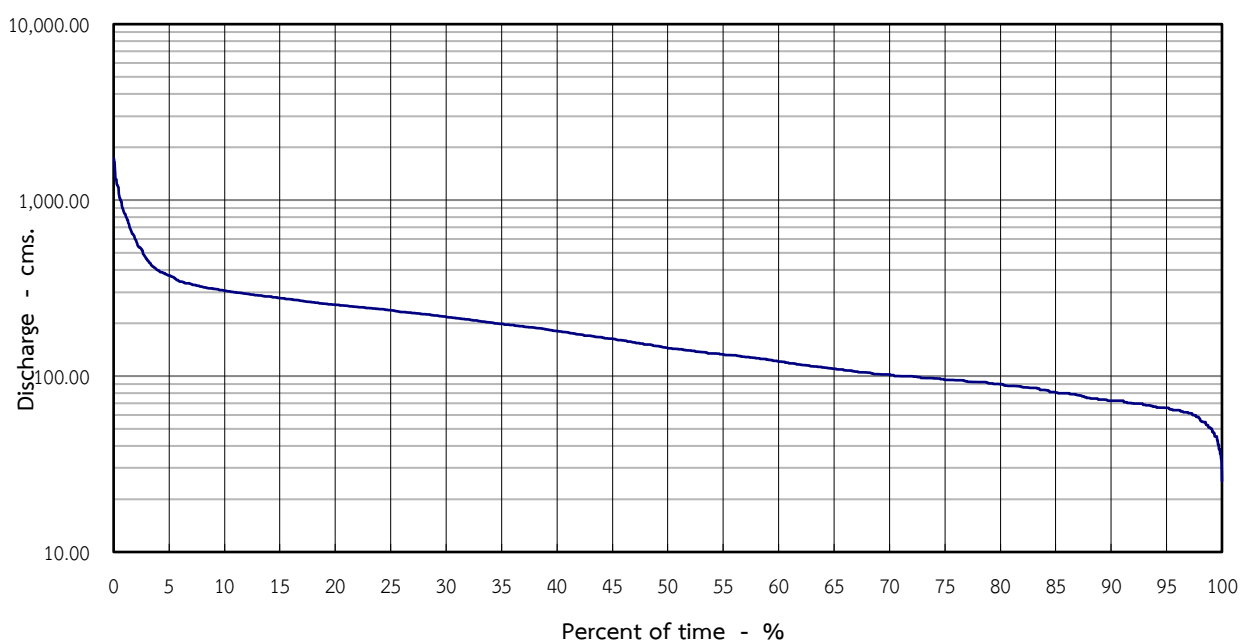
Station P.1 Ping River A.Mueang P.Chiangmai



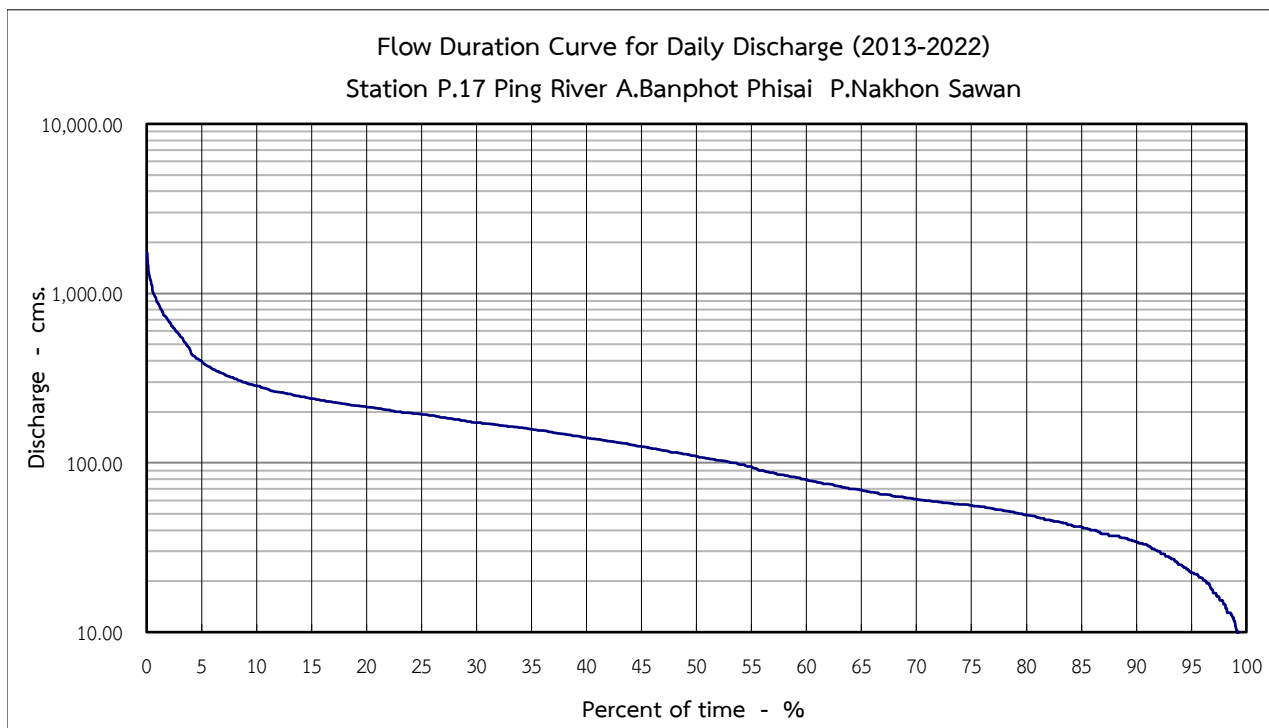
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	197.3	71.2	46.9	35.4	17.5	11.4	4.6	3.0	1.8	0.9	0.1

Flow Duration Curve for Daily Discharge (2013-2022)

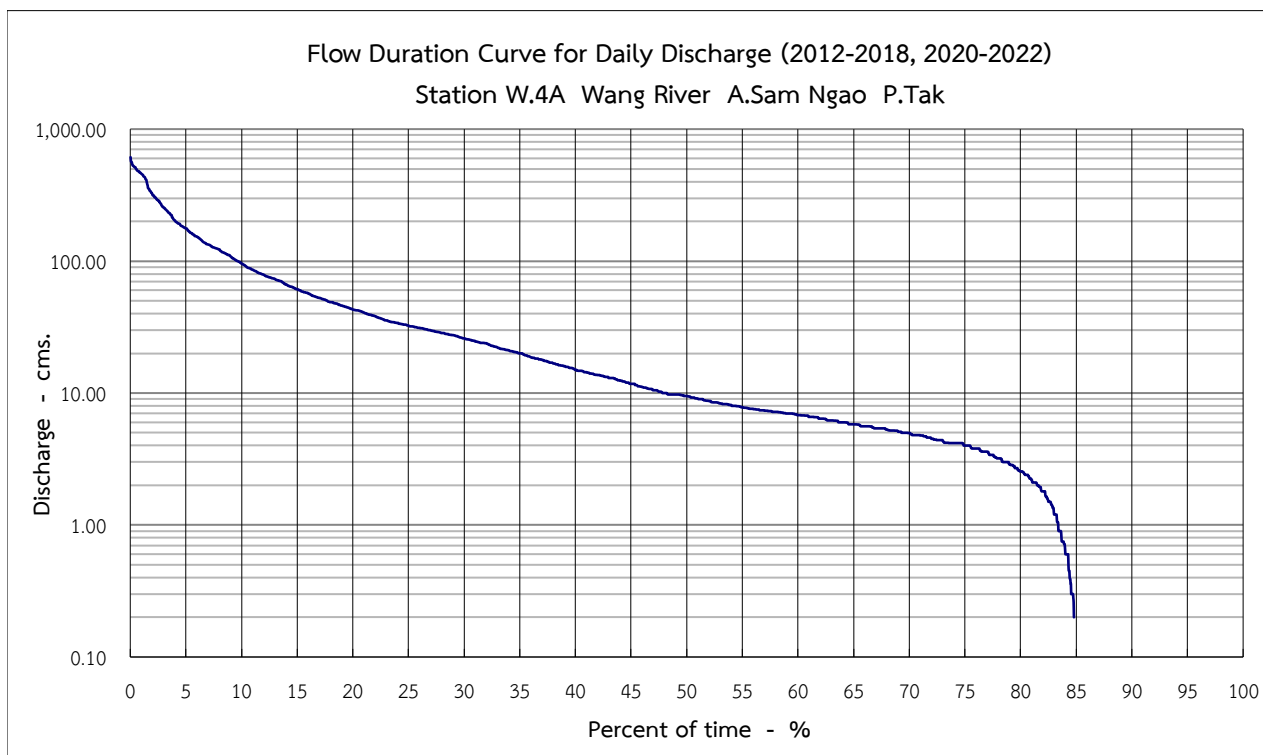
Station P.7A Ping River A.mueang P.Khampaengpet



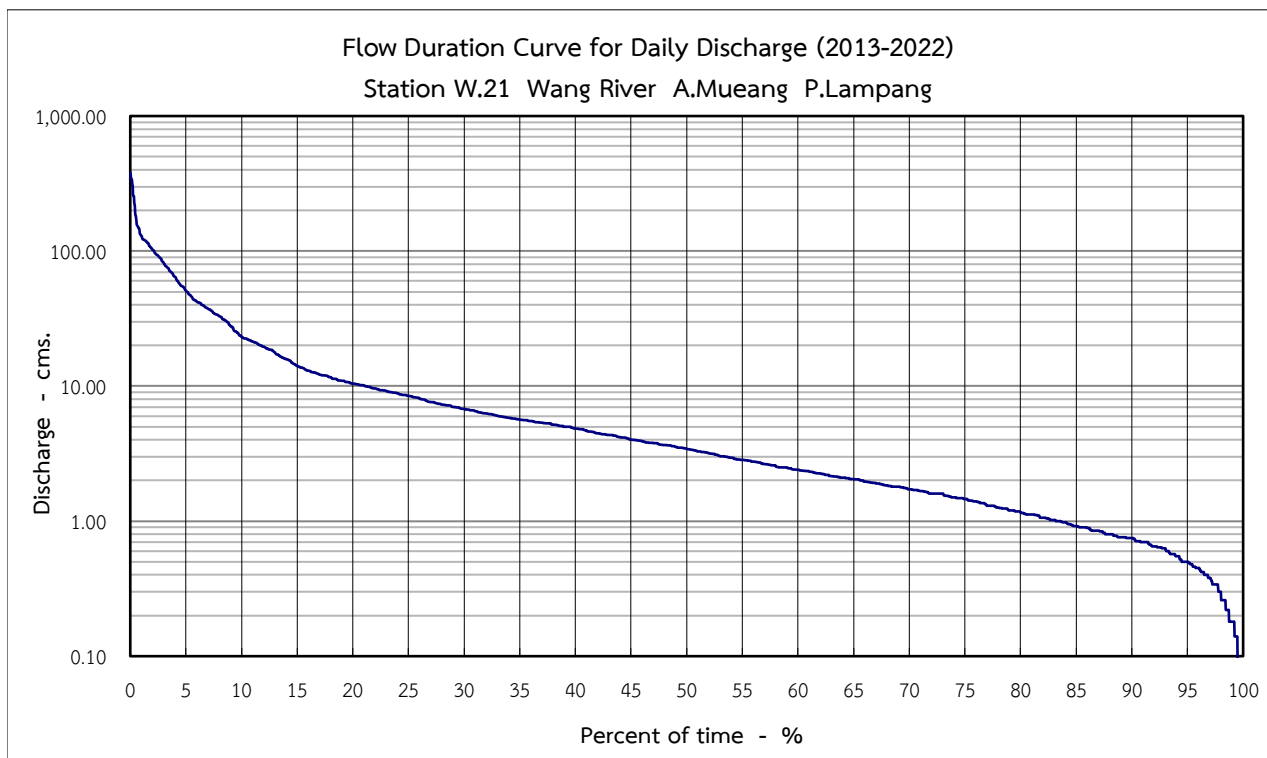
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	836.0	305.8	254.0	217.4	143.7	121.0	90.0	80.6	72.4	66.0	25.3



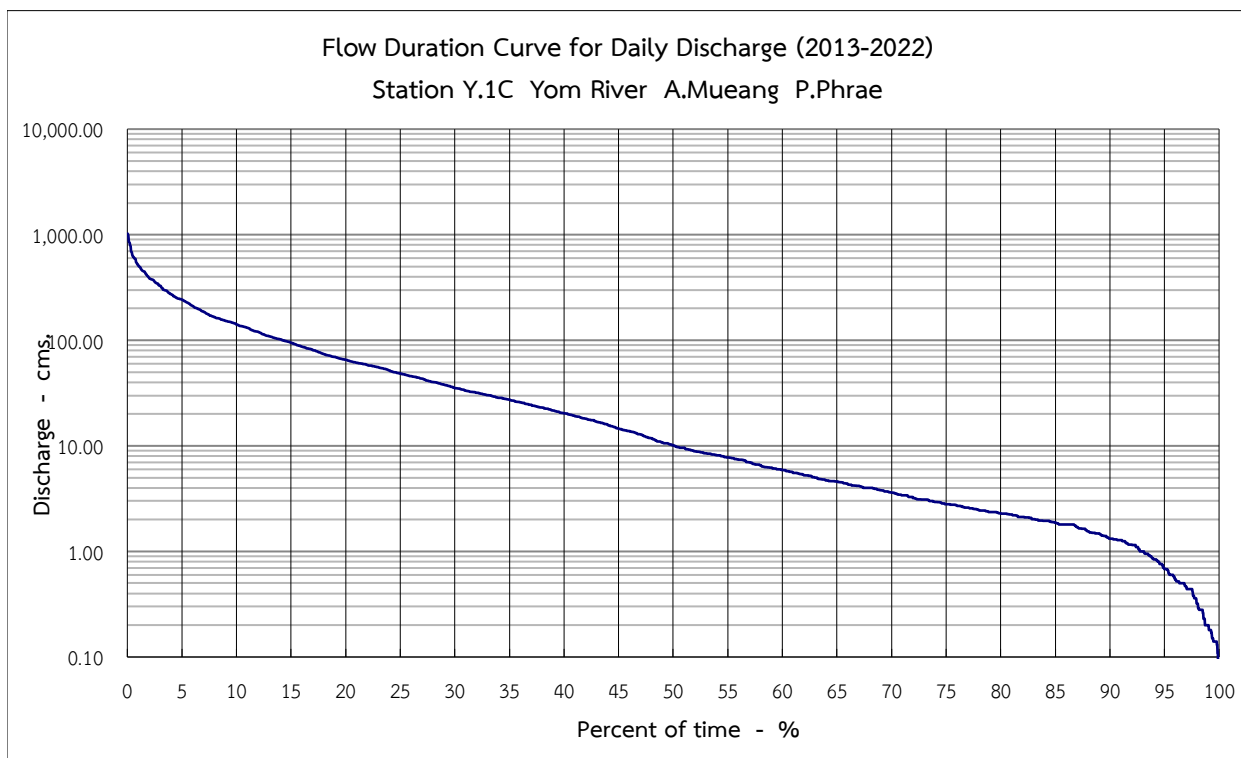
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	884.0	284.0	212.9	172.7	109.0	79.8	49.0	41.8	34.0	22.4	3.0



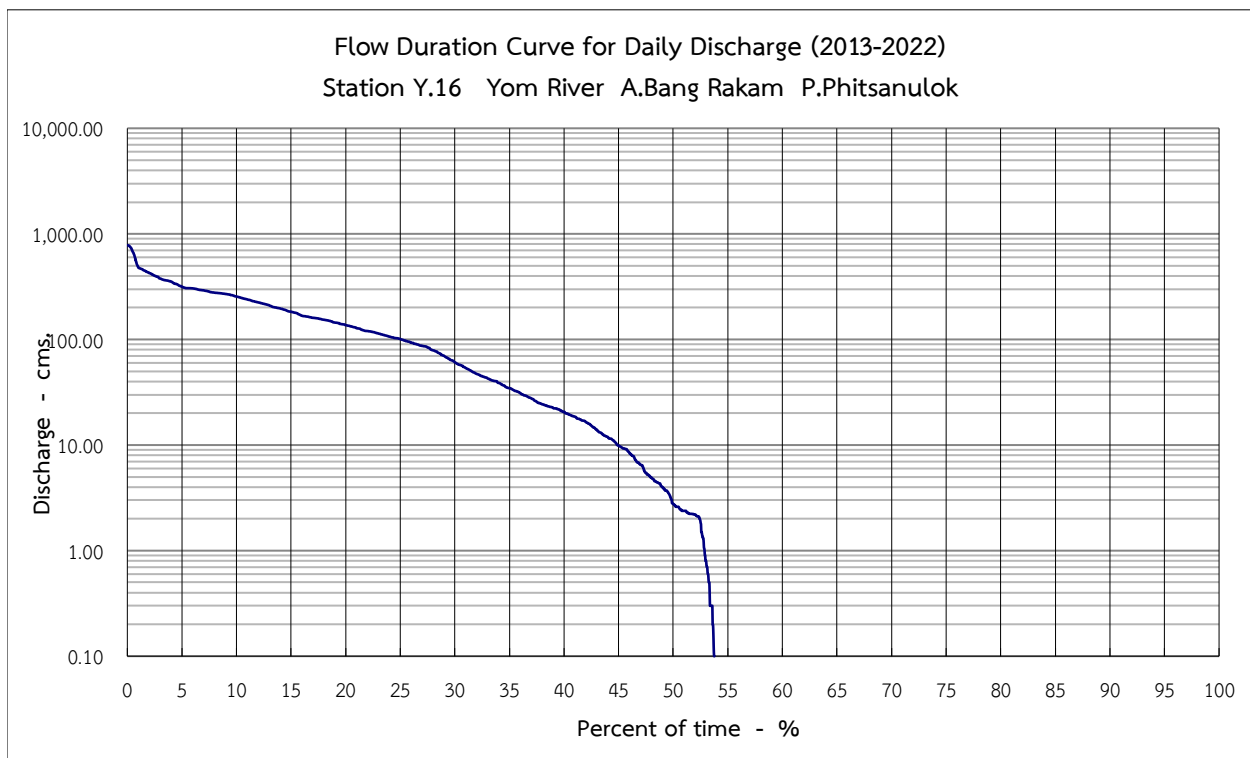
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	459.0	95.4	42.9	26.0	9.5	6.8	2.6	0.0	0.0	0.0	0.0



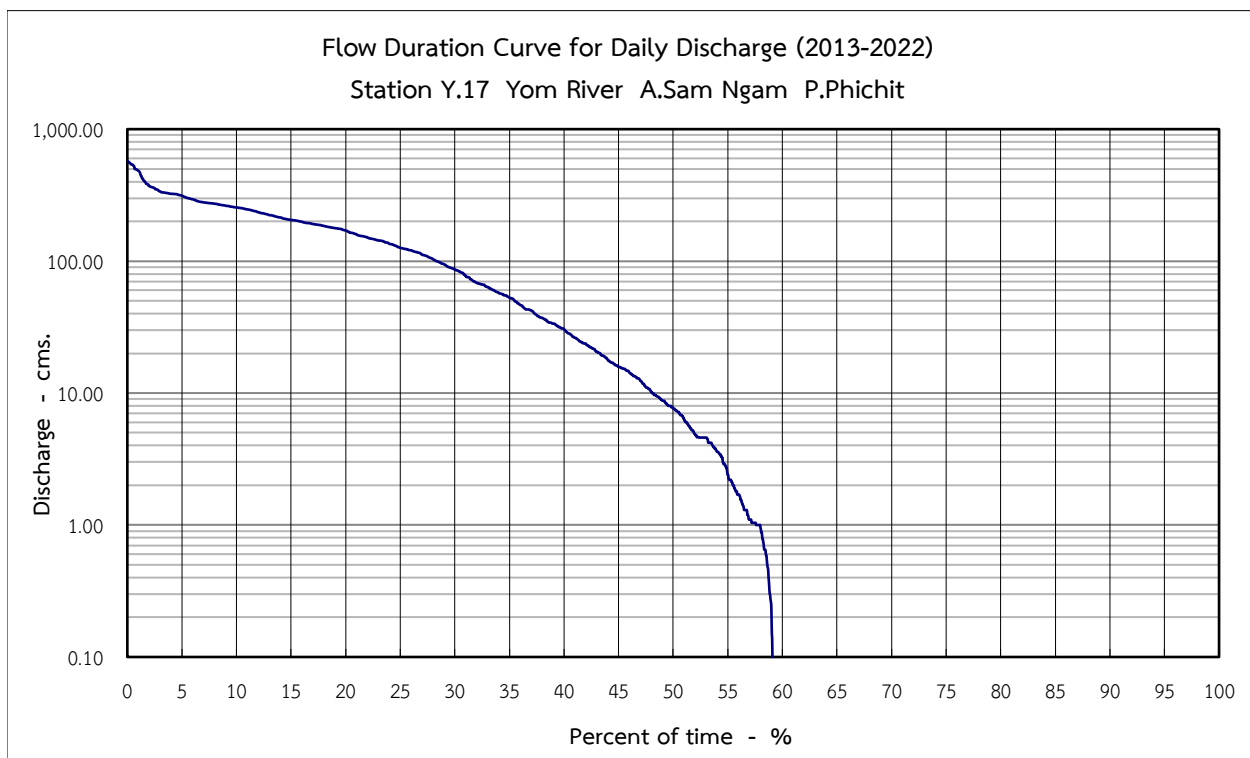
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	128.9	23.3	10.5	6.8	3.4	2.4	1.2	0.9	0.8	0.5	0.0



Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	511.4	141.1	65.3	35.2	10.2	5.9	2.3	1.9	1.3	0.7	0.1



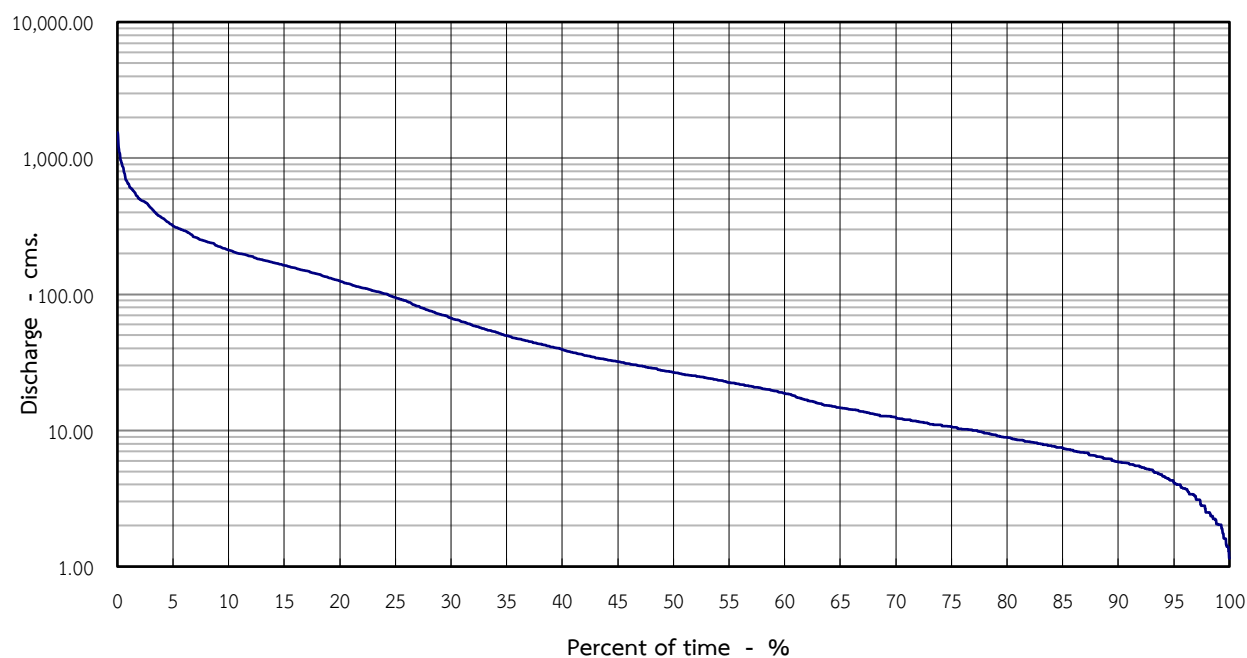
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	483.7	255.2	136.6	60.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0



Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	484.6	255.3	170.3	86.1	7.6	0.0	0.0	0.0	0.0	0.0	0.0

Flow Duration Curve for Daily Discharge (2013-2022)

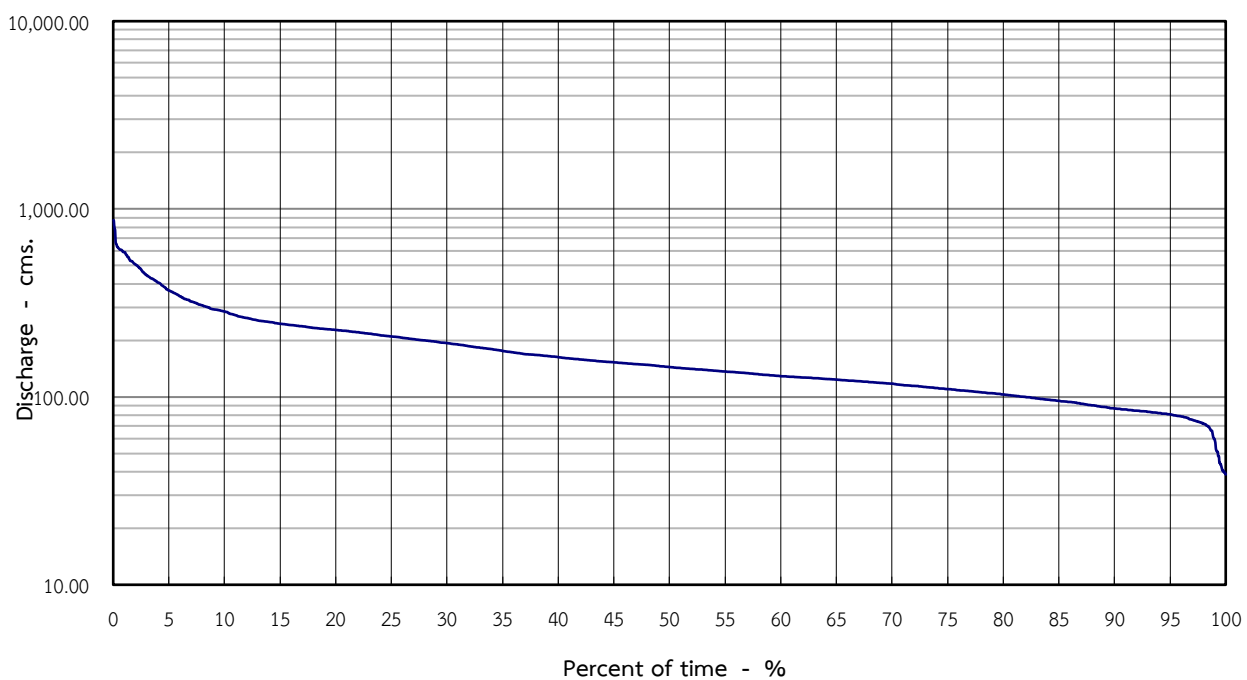
Station N.1 Nan River A.mueang P.Nan



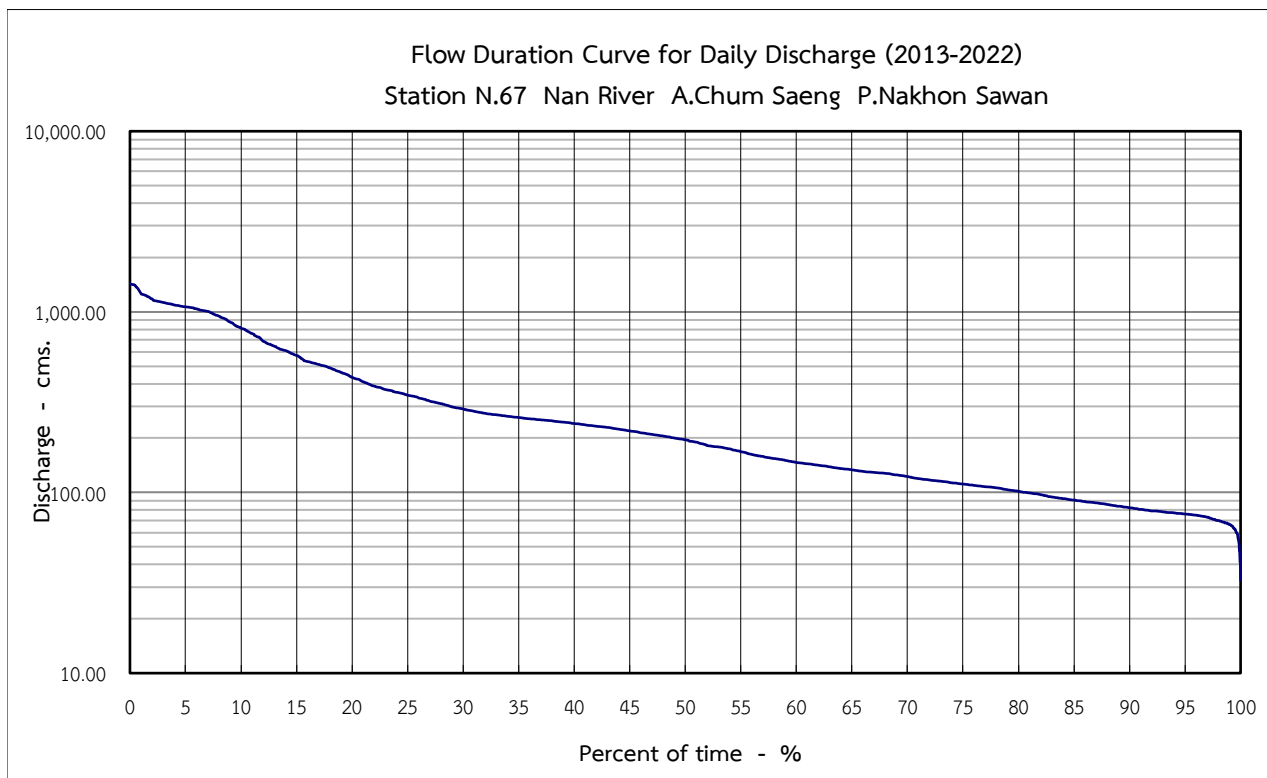
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	648.8	211.8	125.5	67.0	26.7	18.8	8.9	7.5	5.9	4.1	1.2

Flow Duration Curve for Daily Discharge (2013-2022)

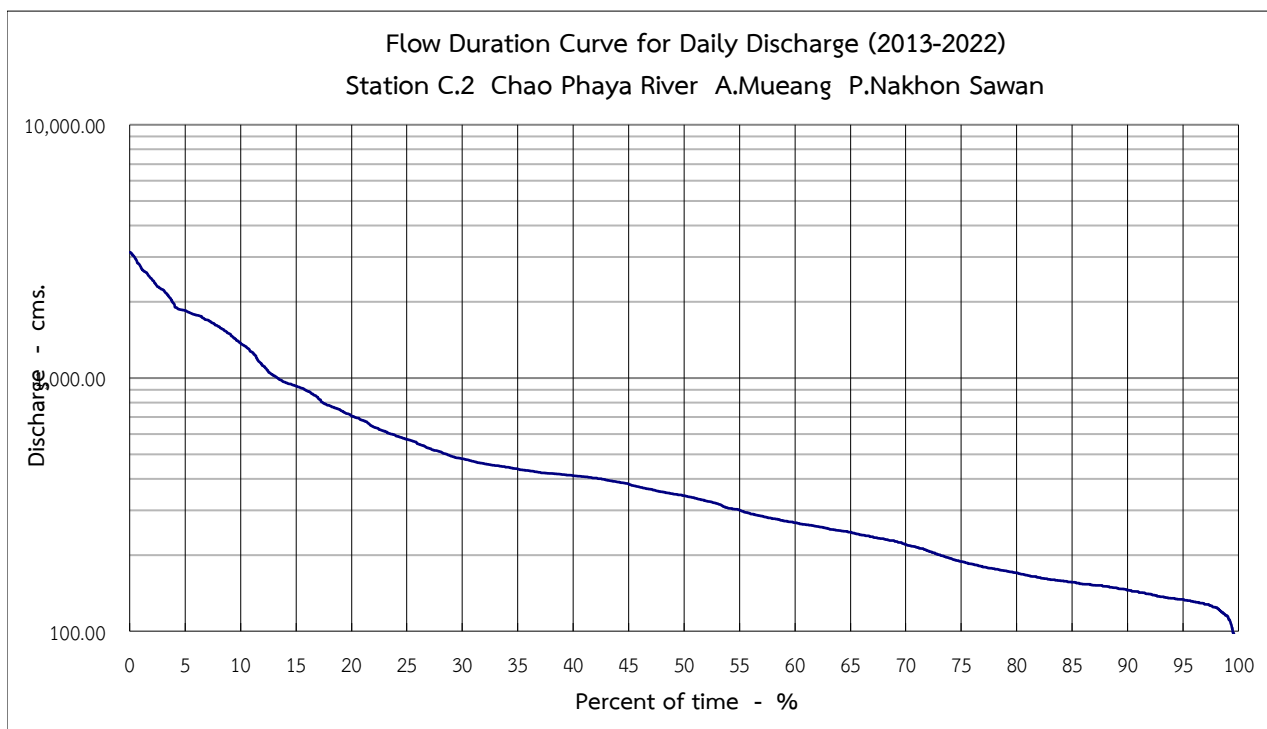
Station N.5A Nan River A.mueang P.Phitsanulok



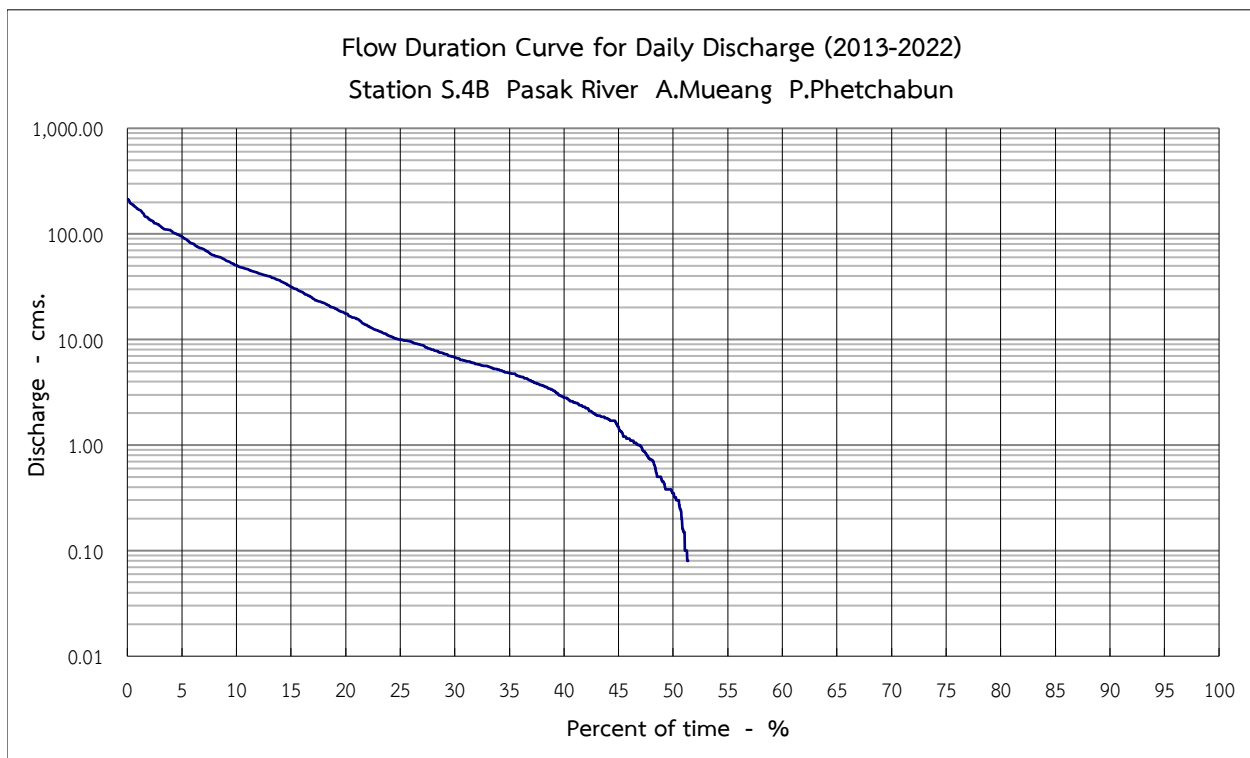
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	589.2	284.8	227.2	193.3	144.2	128.9	103.0	95.3	86.8	80.8	38.7



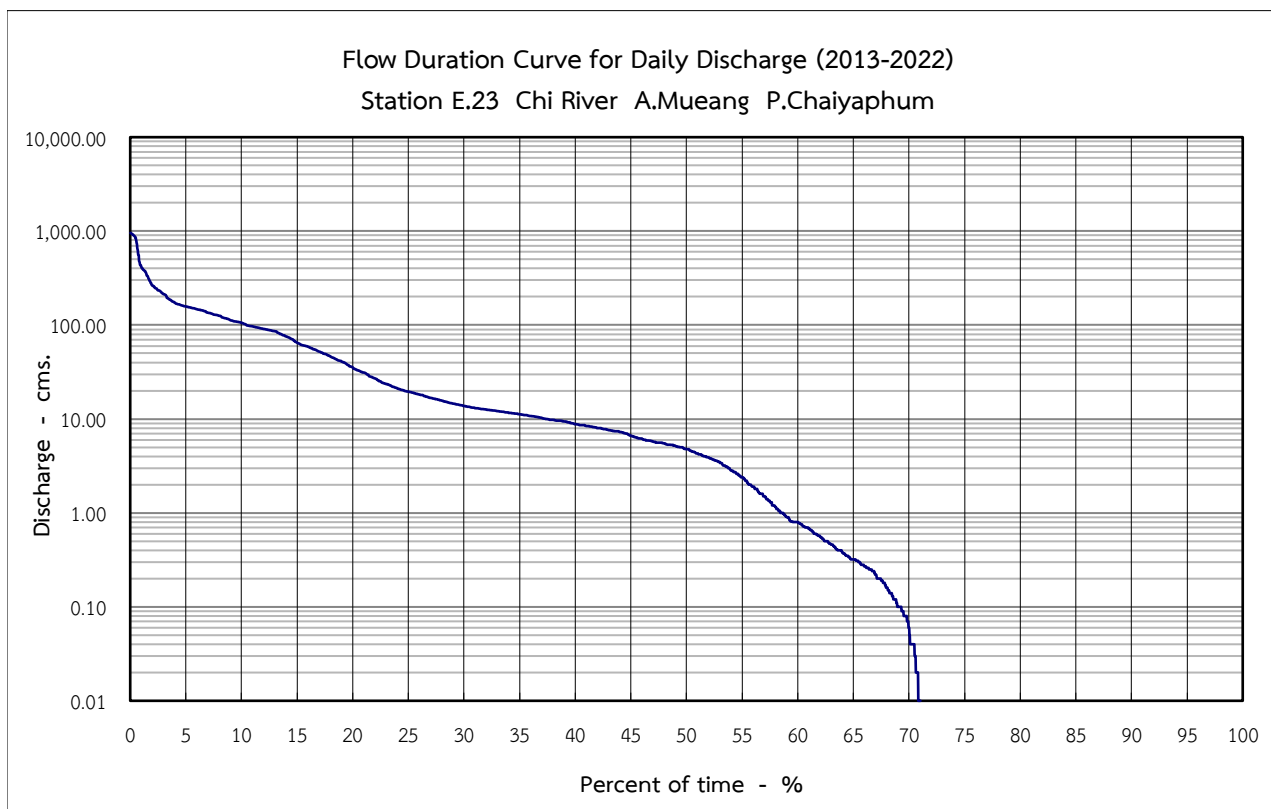
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	1,259.1	813.8	433.5	290.2	195.9	146.6	101.6	90.8	82.2	76.0	32.7



Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	2,745.0	1,372.8	707.8	479.4	343.0	268.0	170.0	156.0	145.2	133.5	64.8

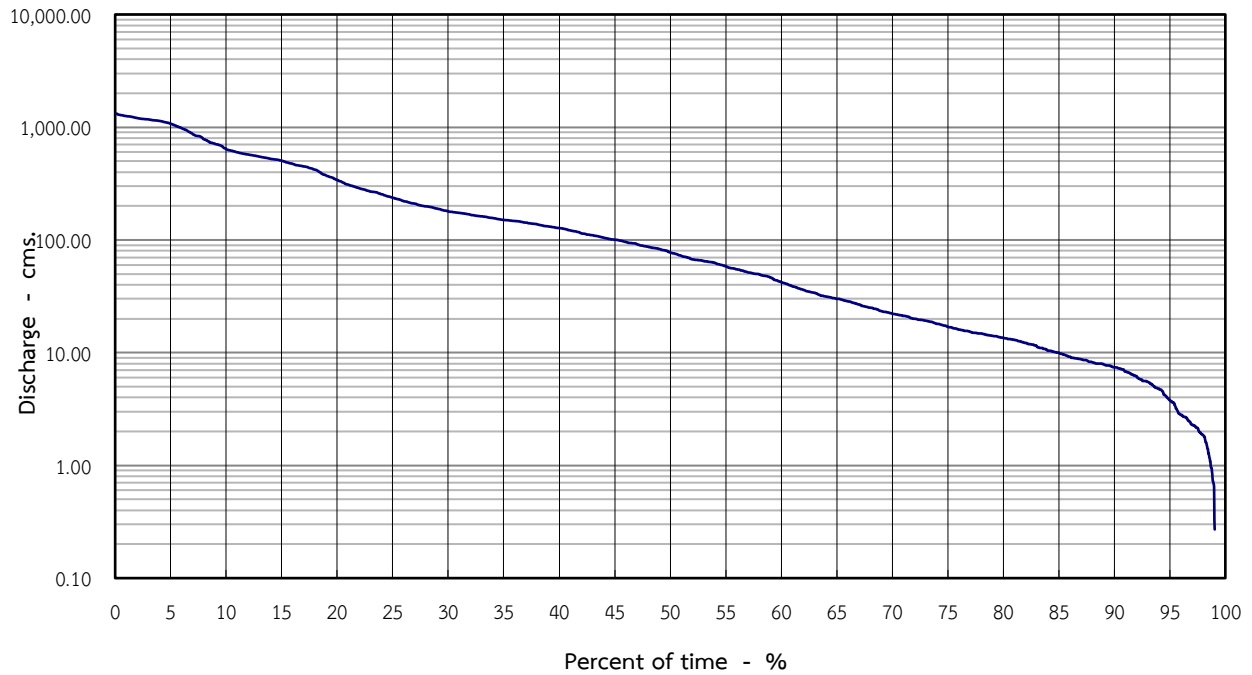


Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	170.8	50.4	17.6	6.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0



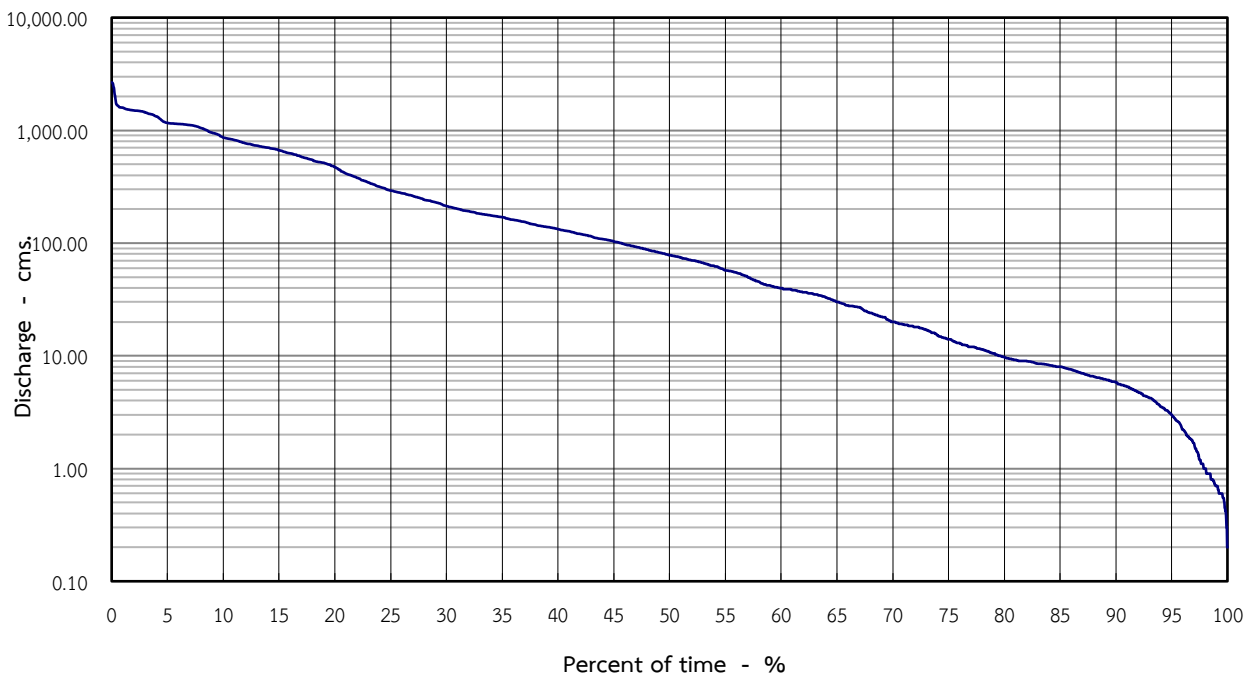
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	415.9	105.6	35.4	13.8	4.8	0.8	0.0	0.0	0.0	0.0	0.0

Flow Duration Curve for Daily Discharge (2013-2022)
E.18 Chi River K.A.Thung Khao Luang P.Roi Et

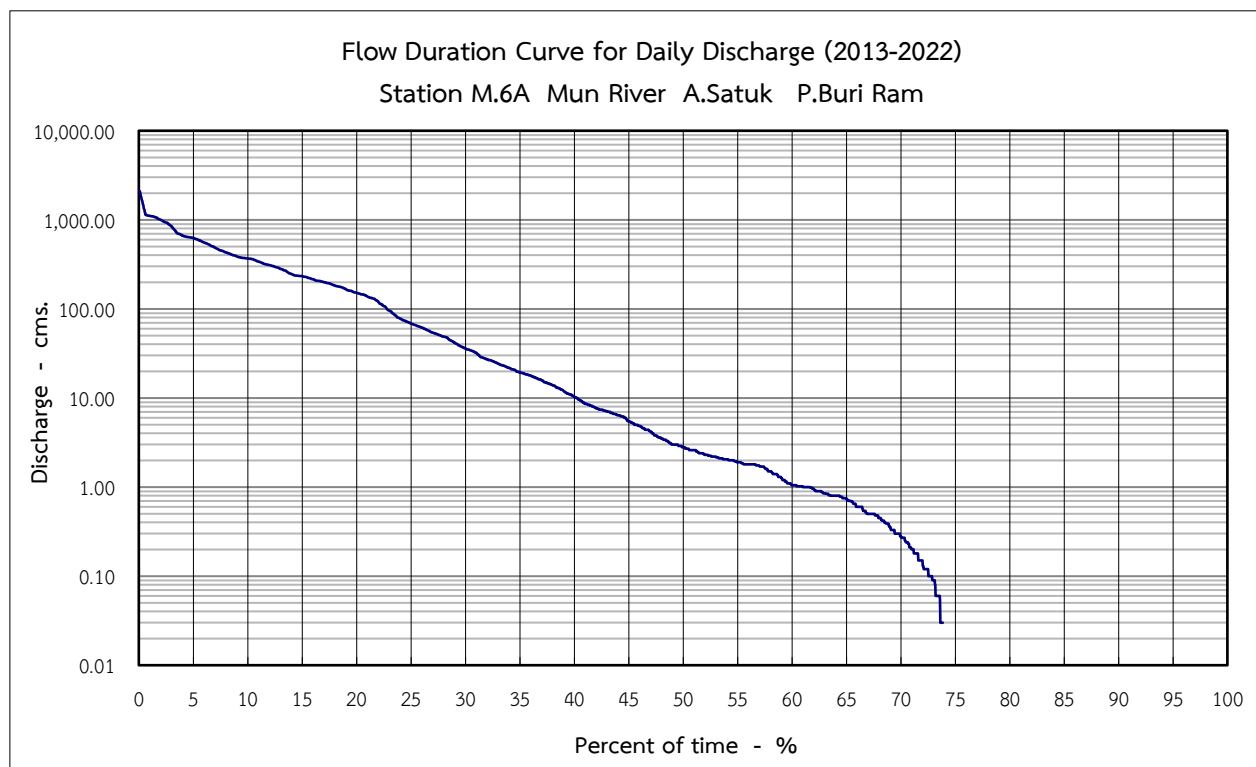


Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	1,254.4	637.1	340.0	179.3	77.5	42.2	13.5	10.0	7.4	3.8	0.0

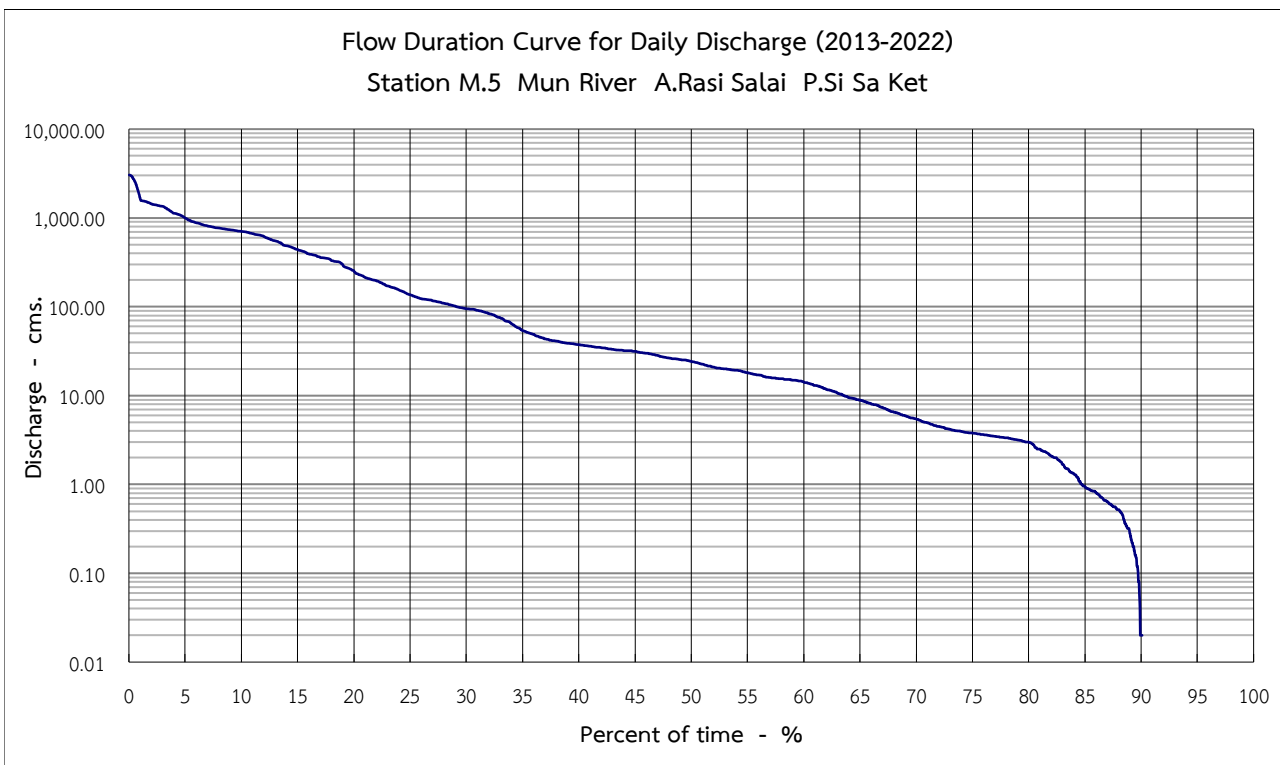
Flow Duration Curve for Daily Discharge (2013-2022)
Station E.20A Chi River A.Maha Chana Chai P.Yasothon



Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	1,589.1	862.3	471.4	213.0	78.2	39.8	9.7	8.0	5.8	3.0	0.2



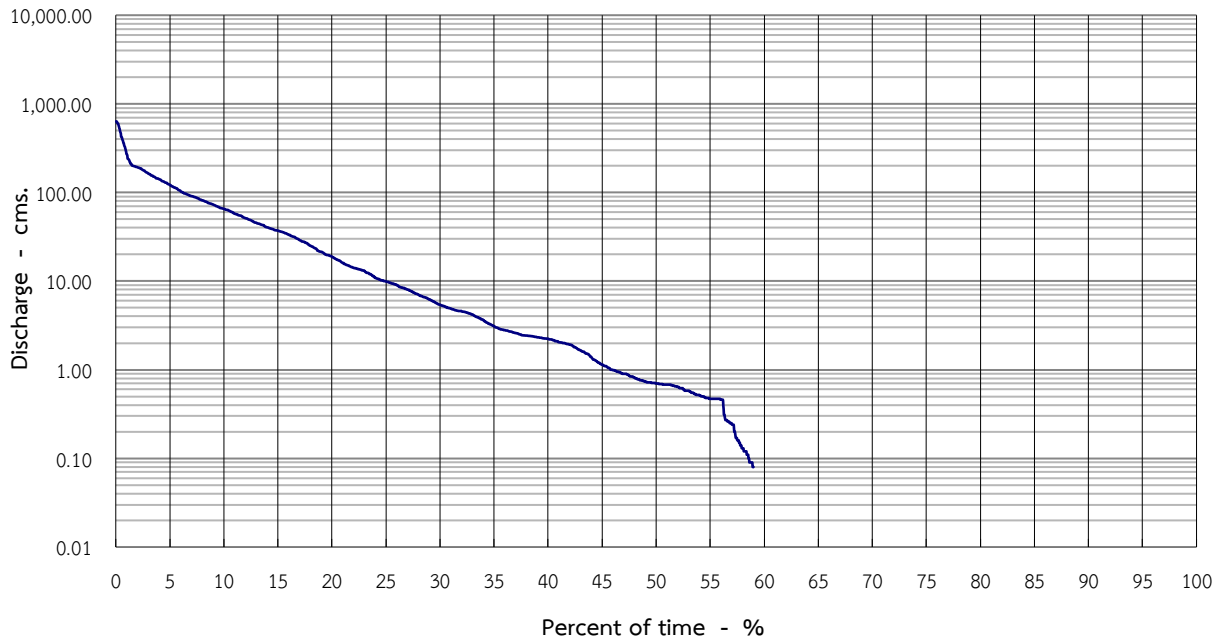
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	1,110.0	368.3	152.1	36.0	2.8	1.1	0.0	0.0	0.0	0.0	0.0



Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	1,662.8	706.0	253.6	94.9	24.2	14.2	3.0	0.9	0.0	0.0	0.0

Flow Duration Curve for Daily Discharge (2013-2022)

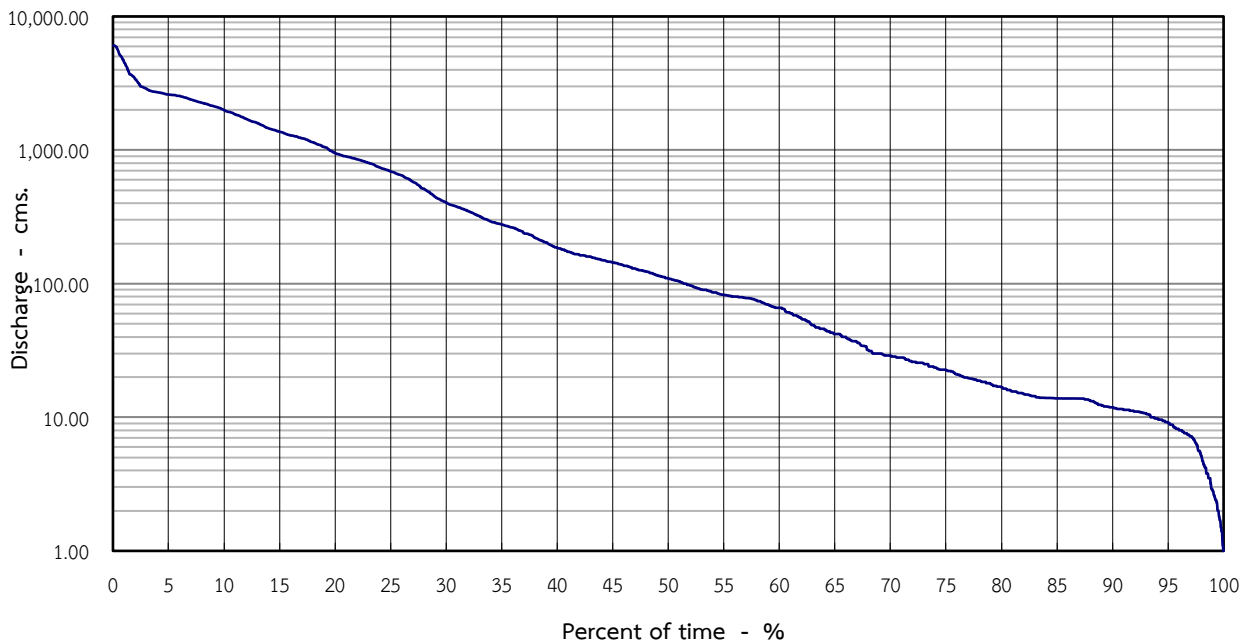
Station M.9 Huai Samran A.Mueang P.Si Sa Ket



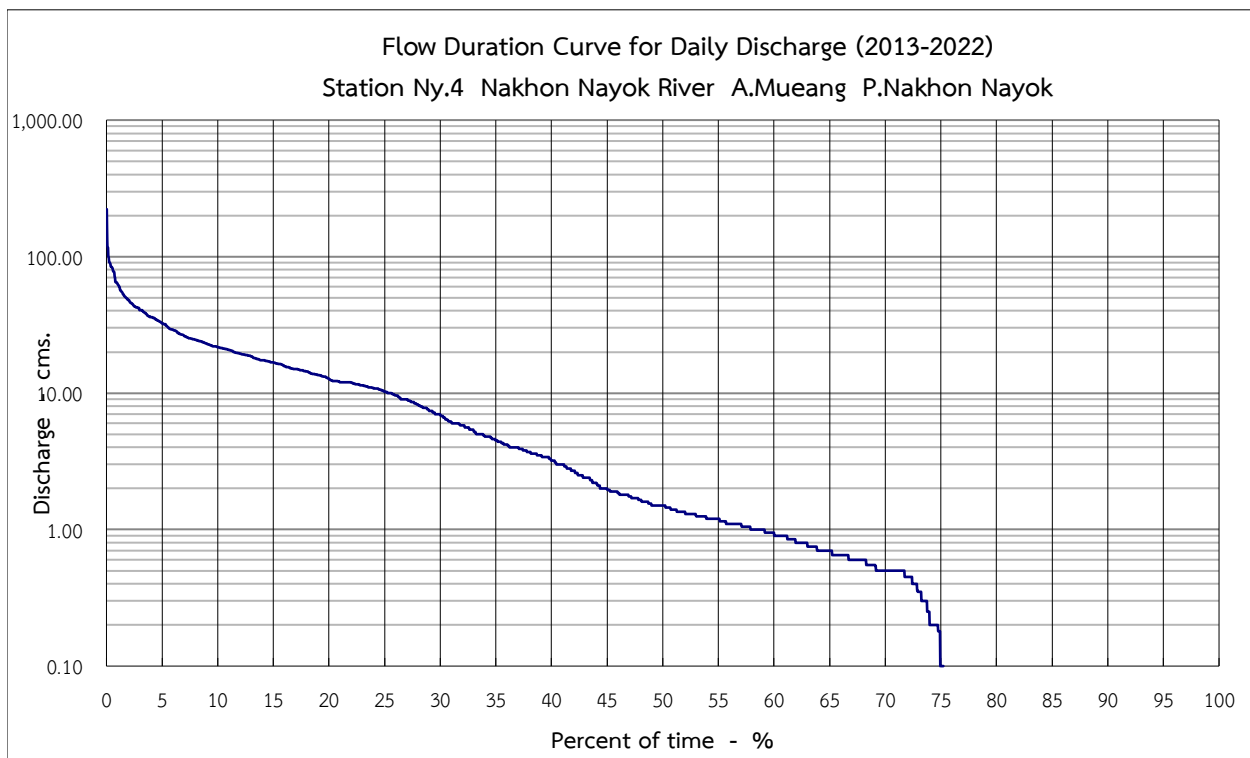
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	271.4	65.2	18.8	5.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0

Flow Duration Curve for Daily Discharge (2013-2022)

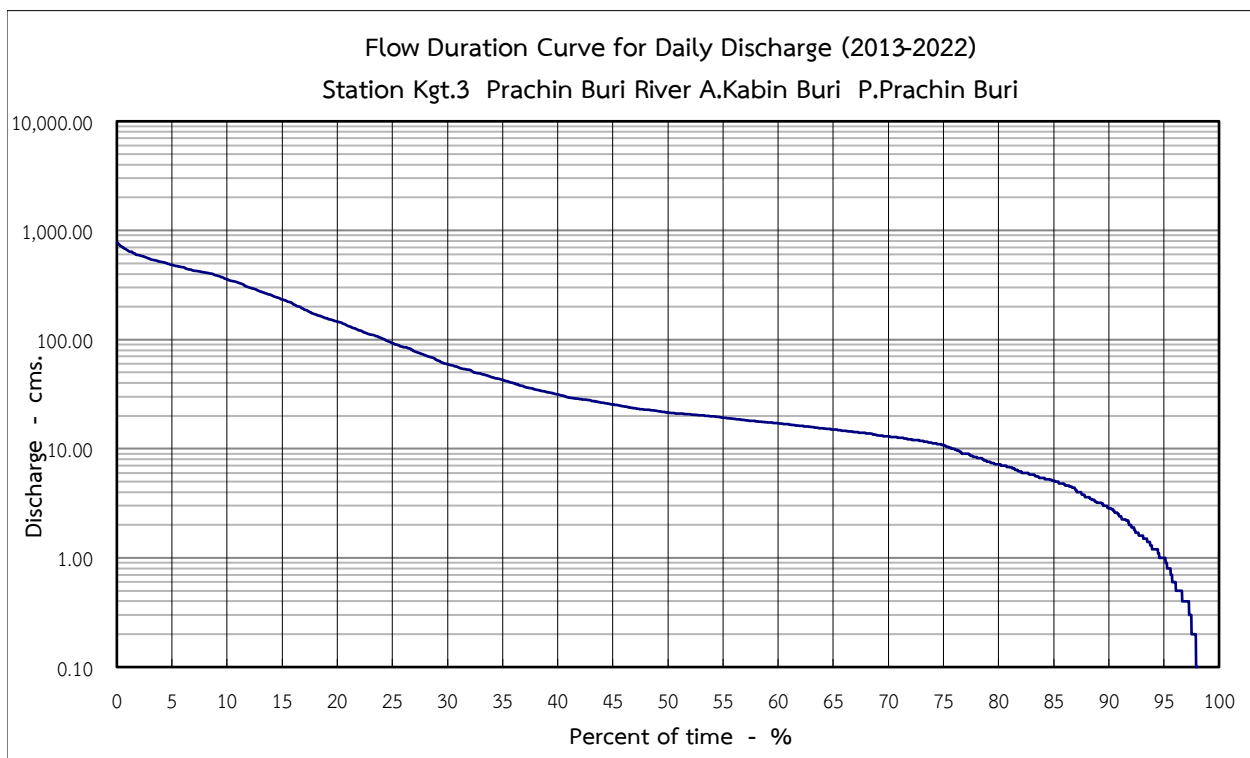
Station M.7 Mun River A.Mueang P.Ubon Ratchathani



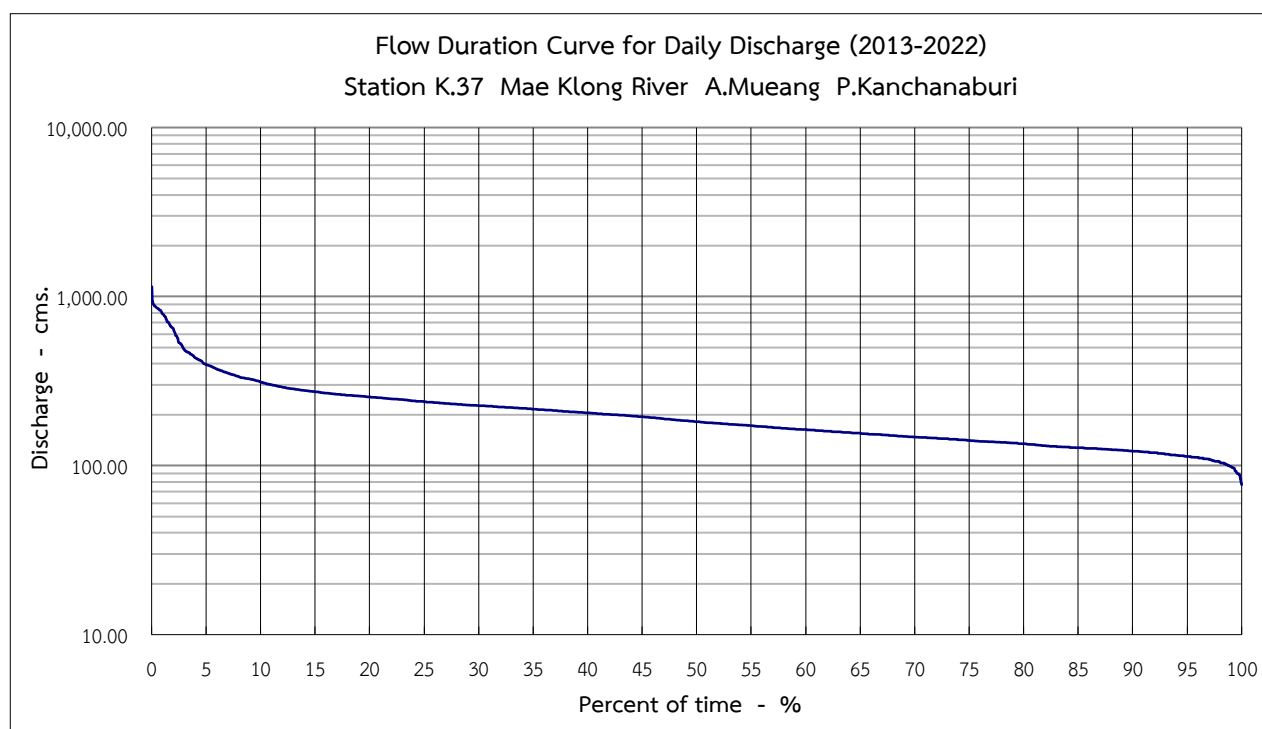
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	4,562.8	1,996.0	948.3	405.5	110.0	66.0	16.8	13.9	11.9	9.2	1.0



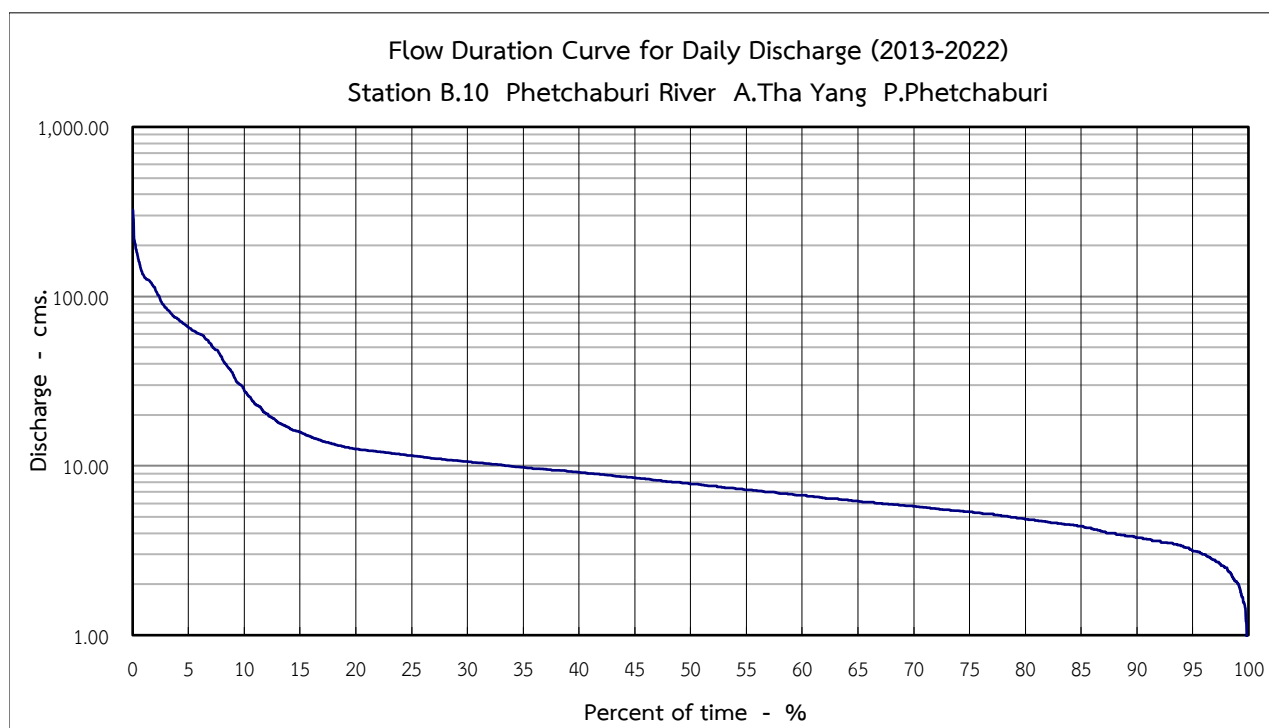
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	63.1	21.8	12.7	6.9	1.5	0.9	0.0	0.0	0.0	0.0	0.0



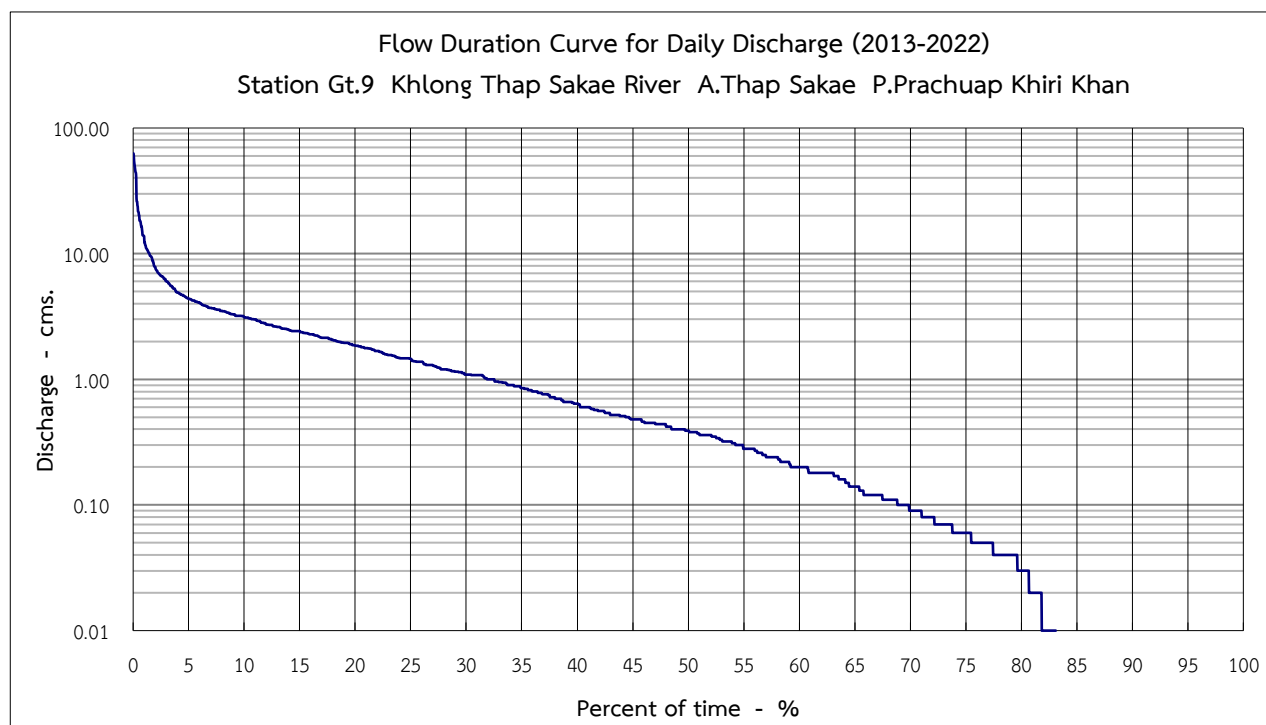
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	654.3	357.4	145.8	59.4	21.5	17.1	7.2	5.1	2.9	1.0	0.0



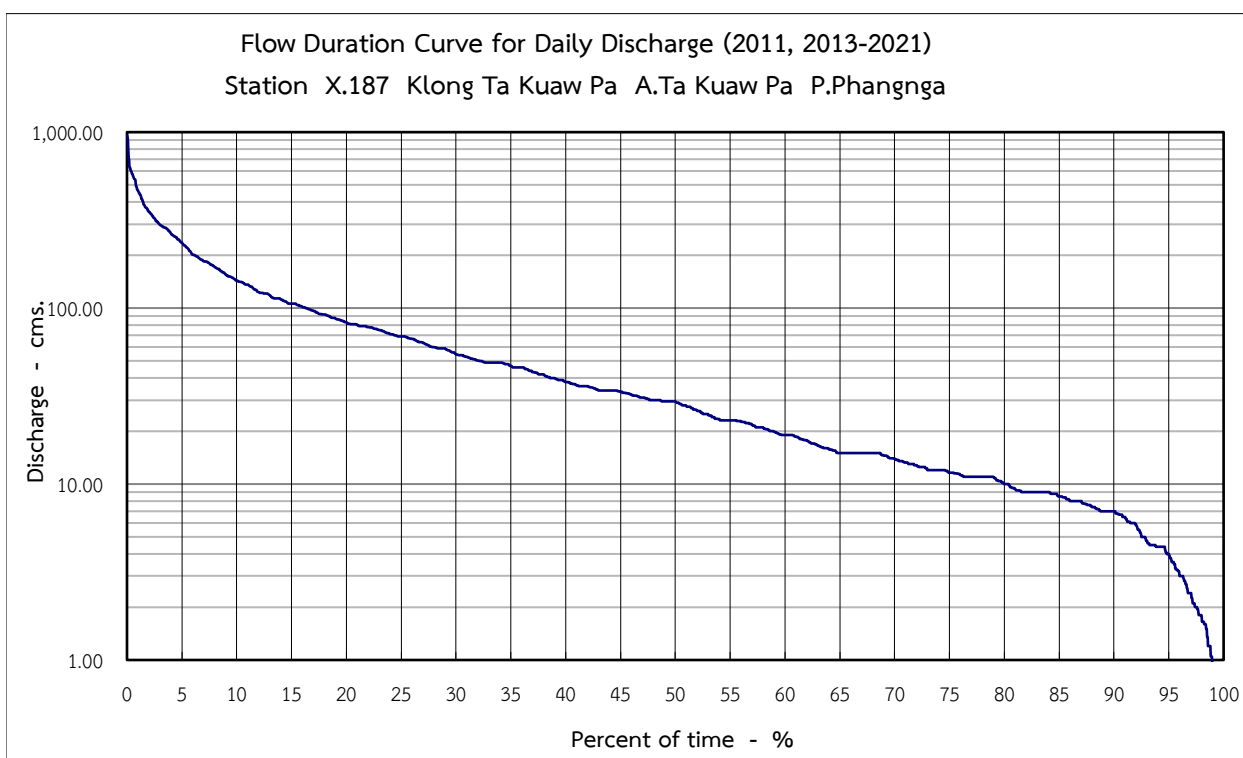
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	791.1	312.2	255.0	226.4	181.8	163.6	134.8	127.6	121.7	113.2	77.0



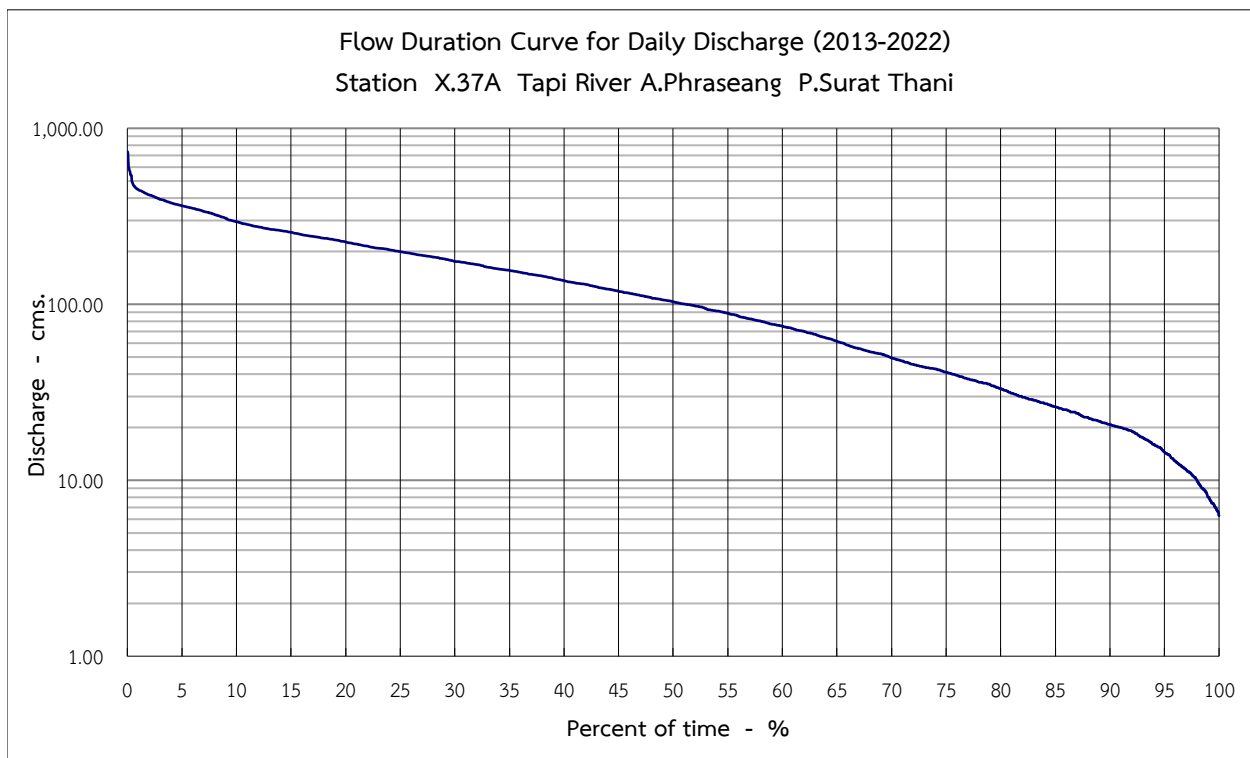
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	132.3	27.8	12.6	10.6	7.8	6.7	4.8	4.4	3.8	3.1	0.4



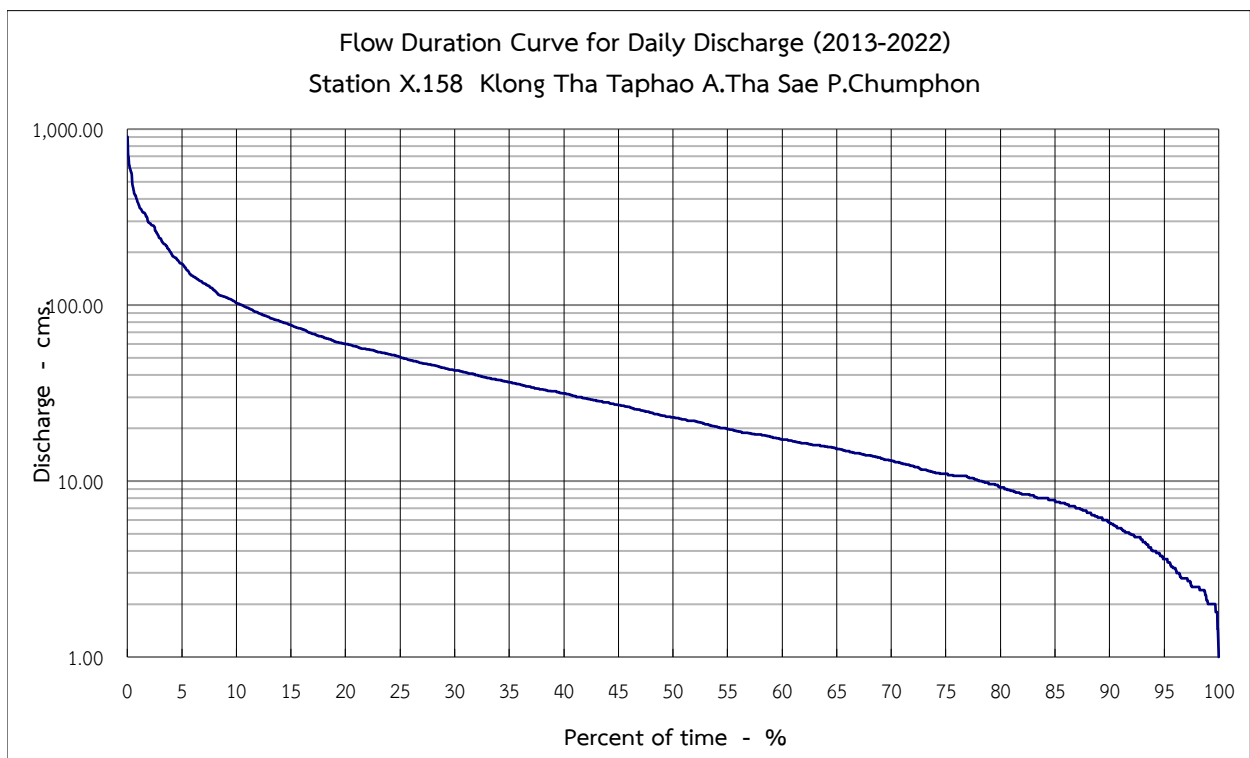
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	13.0	3.1	1.9	1.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0



Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	465.9	143.5	83.0	54.5	29.5	19.0	10.0	8.5	7.0	4.0	0.2

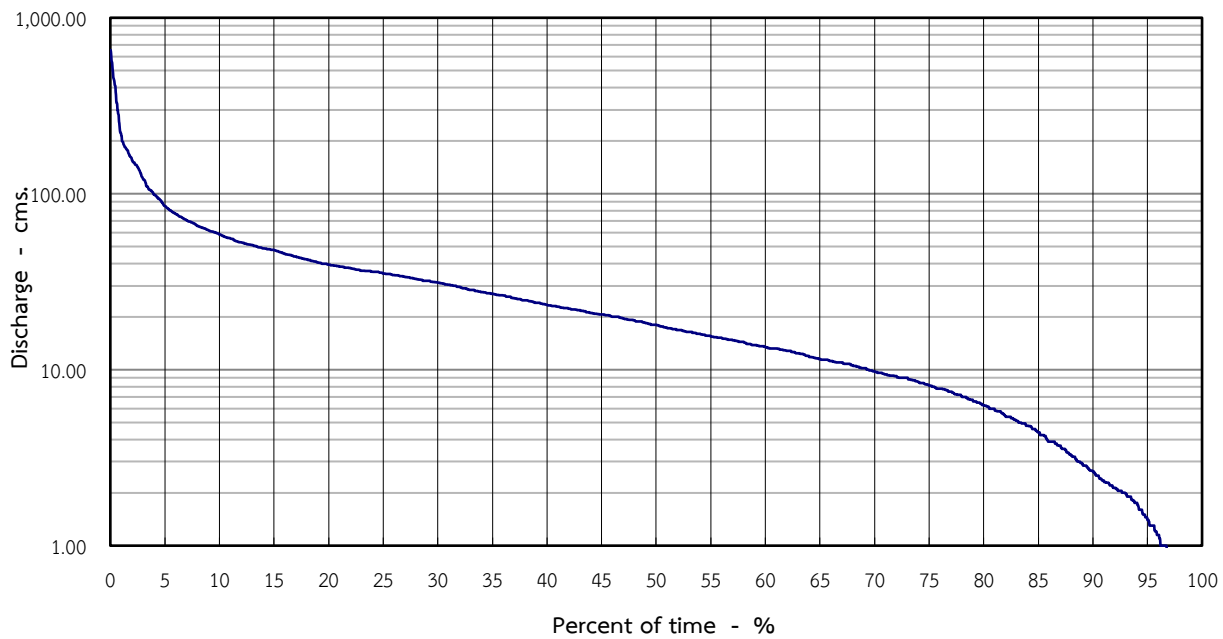


Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	448.0	294.7	226.0	175.3	103.5	75.0	33.2	26.1	20.7	14.5	6.3



Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	378.9	102.9	60.0	42.5	23.0	17.2	9.2	7.8	5.8	3.6	1.0

Flow Duration Curve for Daily Discharge (2013-2022)
 Station X.90 Klong U-Taphao River A.Klong Hoi-Khong P.Songkhla



Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	215.7	58.5	39.5	31.2	18.0	13.5	6.3	4.4	2.7	1.4	0.0