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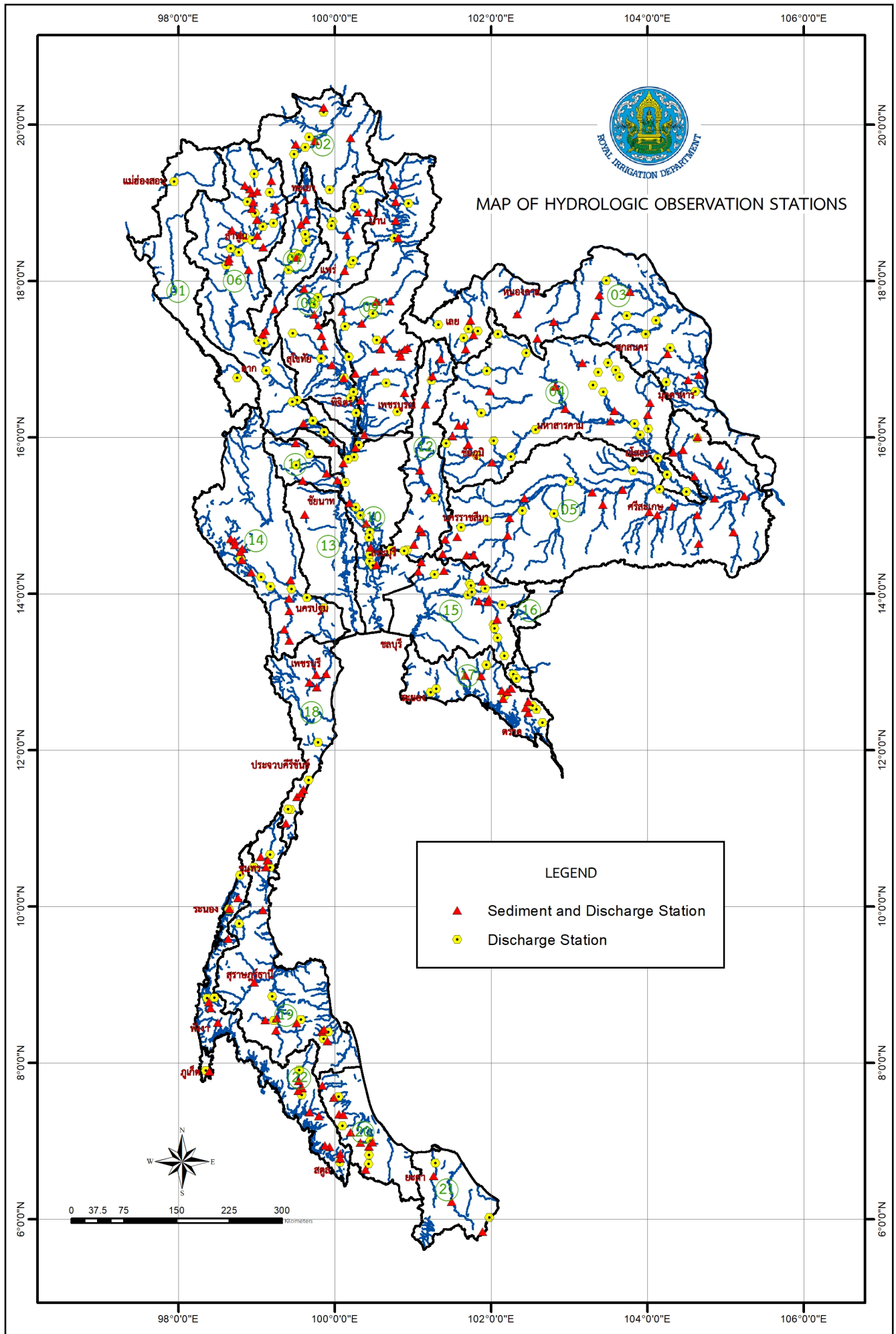
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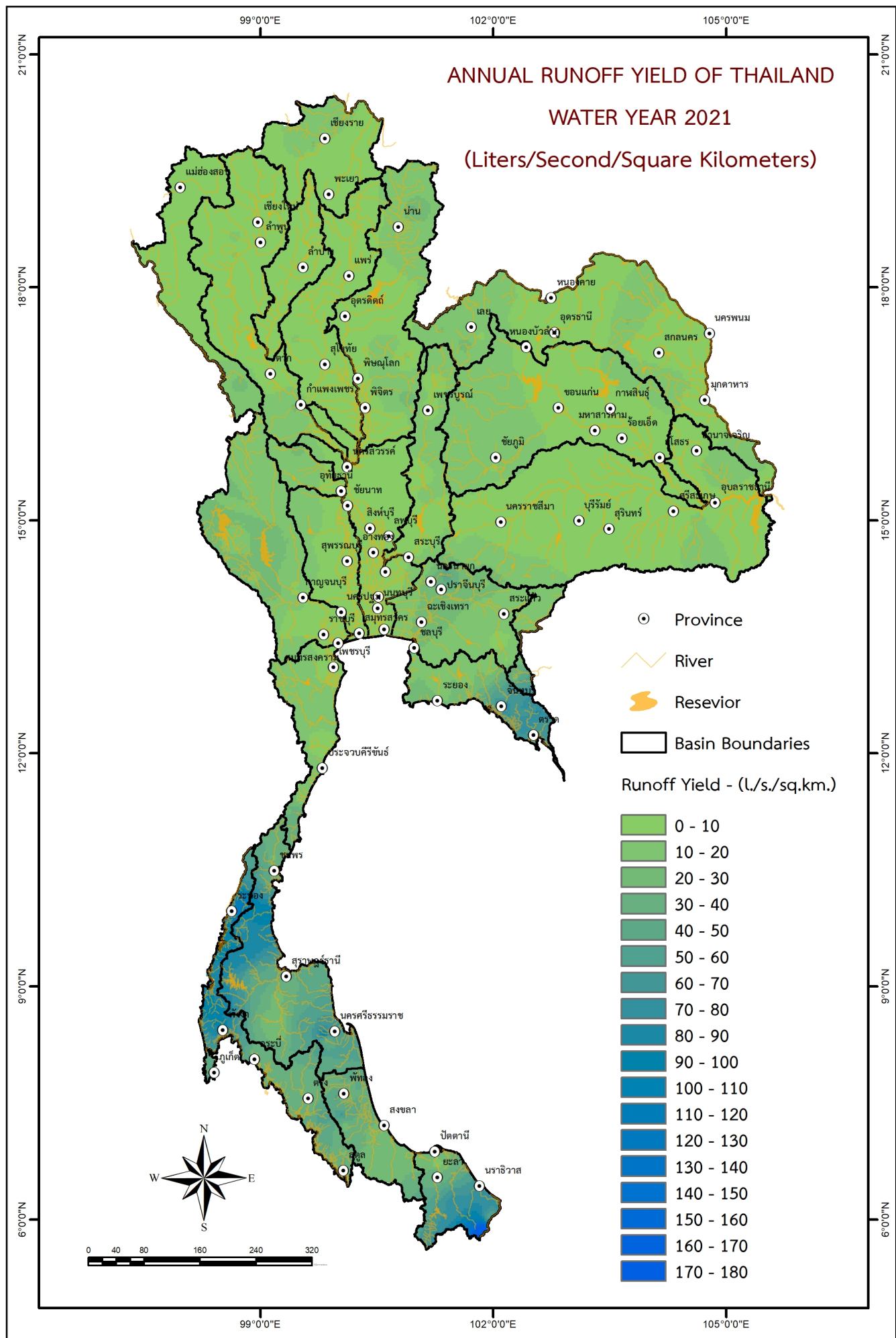
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19. UPPER SOUTHERN PENINSULA EAST COAST

167	X.36	Khlong Phum Duang at Ban Tha Khanon, Surat Thani	914
168	X.37A	Tapi River at Ban Yan Din Daeng, Surat Thani	915
169	X.53A	Khlong Chumphon at Ban Wang Phai, Chumphon	916
170	X.55	Khlong Tha Di at Ban Tha Yai, Nakhon Si Thammarat	917
171	X.70	Khlong Ban Tan at Ban Wang Kong, Nakhon Si Thammarat	918
172	X.158	Khlong Tha Taphao at Ban Wang Khrok, Chumphon	919
173	X.167	Khlong Sao Thong at Ban Sao Thong, Nakhon Si Thammarat	920
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181	X.109	Khlong Bang Kaeo at Ban Khuan In No Mo, Phutthalung	928
182	X.113	Khlong La Pang at Ban Thung Prap, Songkhla	929
183	X.170	Khlong Lam at Ban Khlong Lam, Phatthalung	930
184	X.174	Khlong Wa at Ban Khlong Wa, Songkhla	931
185	X.240	Upper Khlong Wat at Ban Hu Rae , Songkhla	932
186	X.267	Khlong Tha Cheat at Ban Mae Khree, Phatthalung	933
187	X.276	Upper Khlong Tha Nae at Ban Khao Pu, Phatthalung	934

21. LOWER SOUTHERN PENINSULA EAST COAST

188	X.40A	Pattani River at Ban Tha Sap, Yala	935
189	X.184	Sai Buri River at Ban Sa Ko , Narathiwat	936
190	X.274	Kolok River at Ban Bu Kae Ta, Narathiwat	937

22. SOUTHERN PENINSULA WEST COAST

191	X.56	Trang River at Ban Tha Pradu , Trang	938
192	X.110	Khlong Lamphu La at Ban Lamphu La , Trang	939
193	X.139A	Khlong Palian at Ban Palian Nai, Trang	940
194	X.148	Khlong Lam Lon at Ban U-Dai Tai , Satun	941
195	X.150	Khlong Langu at Ban Wang Pa Khian, Satun	942
196	X.187	Khlong Ta Kuaw Pa at Ban Hin Dan, Phangnga	943
197	X.191	Khlong Bang Yai at Satree Phuket school, Phuket	944
198	X.196	Khlong Kapong at Ban Tha Na , Phang Nga	945
199	X.205	Khlong La-Un at Ban La-Un Tai , Ranong	946
200	X.208A	Upper Khlong Kapoe at Ban Chaew Lueang , Ranong	947
201	X.228	Trang River at Ban Klang , Trang	948
202	X.236	Lower Khlong Palian at Ban Yan Ta Khaow, Trang	949
203	X.245	Khlong Phangnga at Ban Bang Tong, Phangnga	950
204	X.261	Upper Khlong Tha Prae at Ban Karakat, Satun	951
205	X.279	Khlong Duson at Ban Panjor, Satun	952
206	X.290A	Khlong Rong Hut at Ban Jed Tho , Ranong	953

APPENDIX

Flow Duration Curve for Daily Discharge (2012 - 2021)

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

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

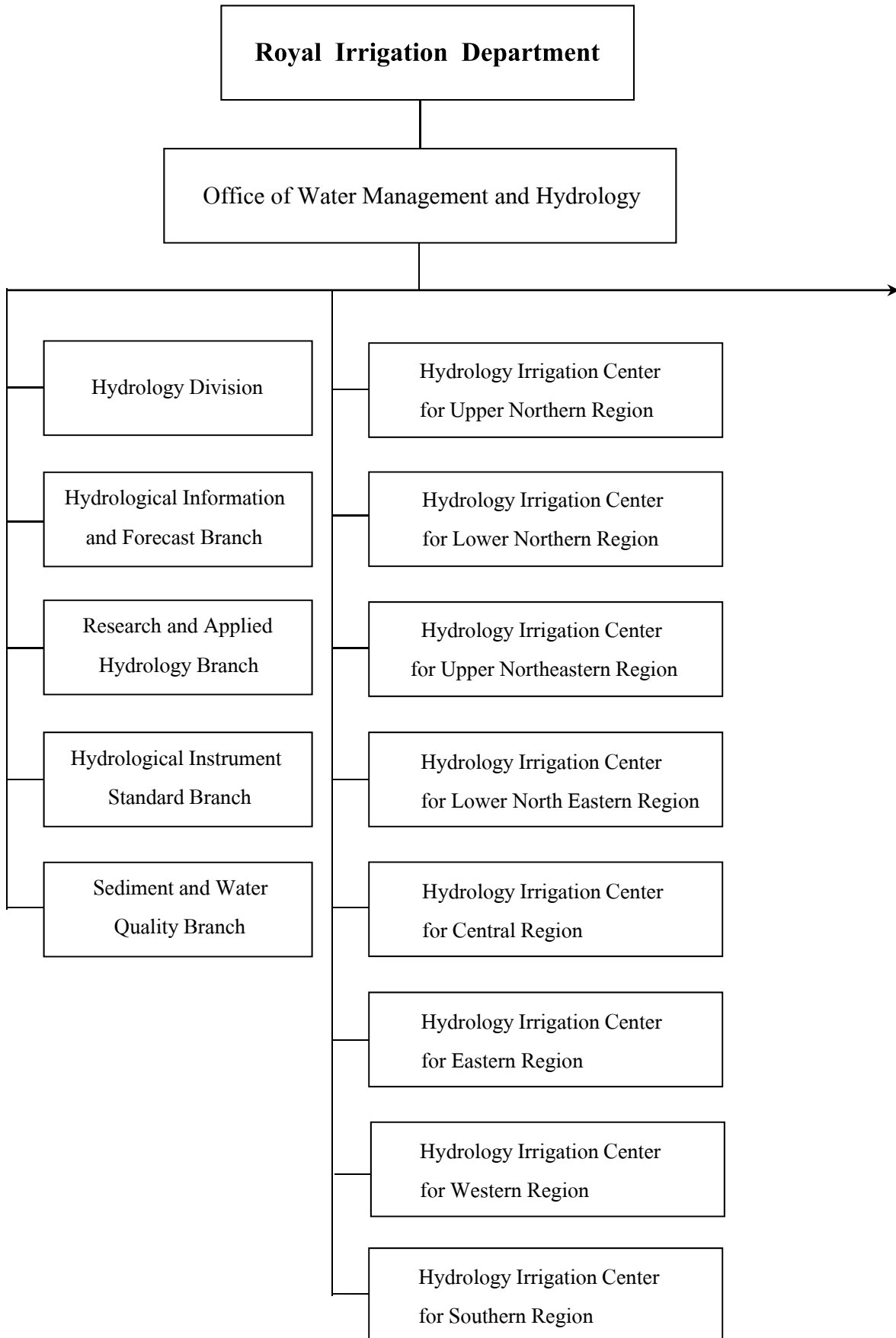
The Royal Irrigation Department (RID) has developed data system which include computerization of storage, Processing and retrieval of rainfall data since 1969. During the stream flow data system was being developed at RID in 1976, the National Economic and Social Development Board has made in agreement 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>	By	<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 2021

WATER YEAR : 2021

SALAWIN RIVER BASIN

Nam Mae Pai at Ban Tha Pong Daeng , Mae Hong Son (Sw.5A)

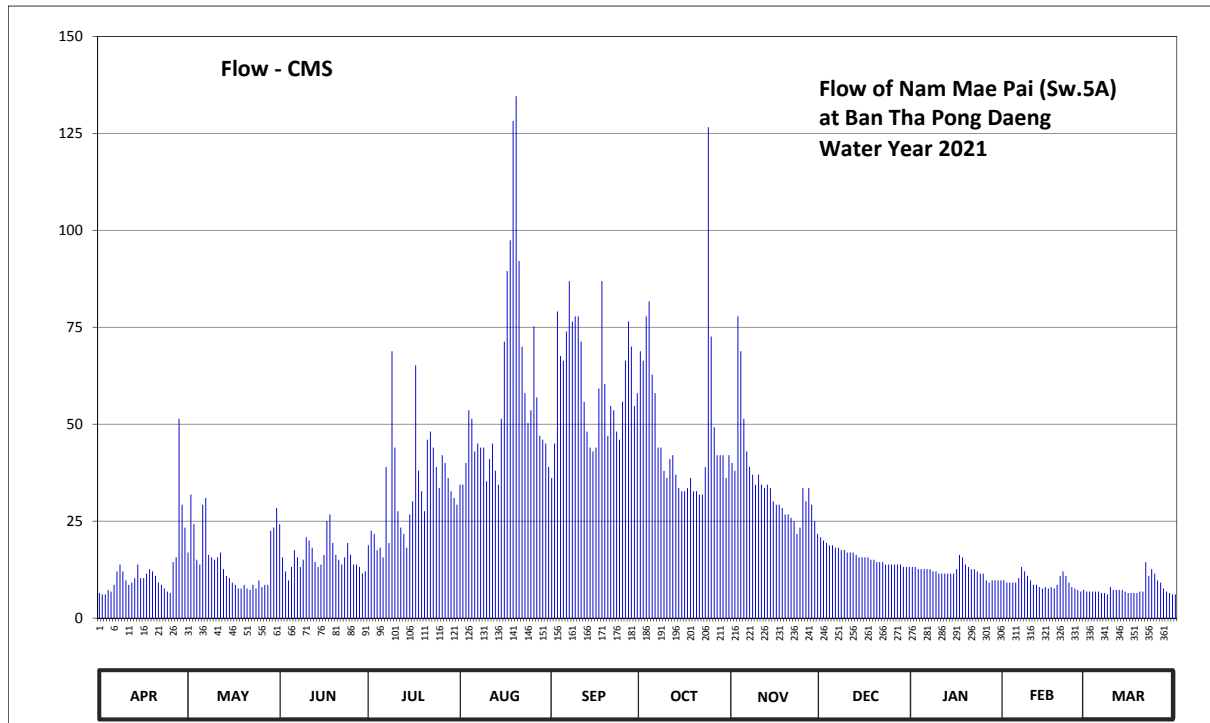
Lat 19 - 16 - 13 N Long 97 - 56 - 43 E

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	Staff gage					
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	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	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 53 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	175.46	175.65	175.75	175.68	175.87	175.89	176.19	175.93	175.71	175.59	175.53	175.47	
2	175.45	175.84	175.63	175.73	175.87	175.98	176.17	175.91	175.70	175.59	175.52	175.47	
3	175.45	175.75	175.57	175.72	175.93	176.27	176.26	176.26	175.69	175.58	175.52	175.47	
4	175.48	175.62	175.53	175.66	176.06	176.18	176.29	176.19	175.68	175.58	175.52	175.47	
5	175.47	175.60	175.59	175.67	176.04	176.17	176.14	176.04	175.68	175.58	175.52	175.47	
6	175.51	175.81	175.66	175.63	175.96	176.23	176.10	175.96	175.67	175.58	175.54	175.46	
7	175.57	175.83	175.63	175.92	175.98	176.33	175.97	175.92	175.67	175.58	175.59	175.46	
8	175.60	175.64	175.59	175.69	175.97	176.25	175.97	175.90	175.66	175.57	175.57	175.45	
9	175.57	175.63	175.62	176.19	175.97	176.26	175.91	175.87	175.66	175.57	175.55	175.50	
10	175.53	175.62	175.71	175.97	175.88	176.26	175.89	175.90	175.65	175.56	175.53	175.48	
11	175.51	175.63	175.70	175.79	175.94	176.21	175.94	175.87	175.65	175.56	175.51	175.48	
12	175.52	175.65	175.67	175.74	175.98	176.08	175.95	175.86	175.65	175.56	175.51	175.48	
13	175.54	175.58	175.61	175.72	175.91	176.01	175.90	175.87	175.64	175.56	175.50	175.48	
14	175.60	175.55	175.59	175.67	175.87	175.97	175.86	175.86	175.63	175.56	175.49	175.47	
15	175.54	175.54	175.60	175.78	176.04	175.96	175.85	175.82	175.63	175.56	175.50	175.46	
16	175.54	175.52	175.64	175.82	176.21	175.97	175.85	175.81	175.63	175.58	175.49	175.46	
17	175.56	175.51	175.76	176.16	176.35	176.11	175.86	175.81	175.63	175.64	175.50	175.46	
18	175.58	175.49	175.78	175.91	176.41	176.33	175.89	175.80	175.62	175.63	175.49	175.46	
19	175.57	175.49	175.69	175.85	176.62	176.12	175.85	175.78	175.62	175.60	175.51	175.47	
20	175.55	175.51	175.64	175.79	176.66	176.00	175.85	175.78	175.61	175.59	175.55	175.47	
21	175.52	175.49	175.62	175.99	176.37	176.07	175.84	175.77	175.61	175.58	175.57	175.61	
22	175.51	175.48	175.60	176.01	176.20	176.06	175.84	175.76	175.61	175.58	175.55	175.55	
23	175.49	175.51	175.63	175.97	176.10	176.01	175.92	175.72	175.60	175.57	175.52	175.58	
24	175.47	175.49	175.69	175.92	176.03	175.99	176.61	175.74	175.60	175.56	175.50	175.56	
25	175.46	175.53	175.64	175.86	176.06	176.08	176.22	175.86	175.60	175.56	175.49	175.53	
26	175.61	175.50	175.60	175.95	176.24	176.17	176.02	175.82	175.60	175.53	175.48	175.52	
27	175.63	175.51	175.60	175.93	176.09	176.25	175.95	175.86	175.60	175.52	175.47	175.49	
28	176.04	175.51	175.59	175.89	176.00	176.20	175.95	175.81	175.60	175.53	175.48	175.47	
29	175.81	175.73	175.56	175.85	175.99	176.07	175.95	175.76	175.59	175.53		175.46	
30	175.74	175.74	175.57	175.83	175.98	176.10	175.89	175.72	175.59	175.53		175.45	
31		175.80		175.81	175.92		175.95		175.59	175.53		175.45	
Mean	175.56	175.60	175.64	175.84	176.08	176.12	175.99	175.87	175.63	175.57	175.52	175.49	
Max	176.04	175.84	175.78	176.19	176.66	176.33	176.61	176.26	175.71	175.64	175.59	175.61	176.66
Min	175.45	175.48	175.53	175.63	175.87	175.89	175.84	175.72	175.59	175.52	175.47	175.45	175.45
Annual Max Momentary Gage Height		176.86	m. (MSL) , at 18.00 Hours , on Oct 24, 2021										
Zero Gage at Bottom Elevation		175.76	m. (MSL) , River Bed 174.82 m. (MSL.)										
Left Bank Elevation		183.88	m. (MSL) ,										
Right Bank Elevation		181.49	m. (MSL) , Drainage Are 4,481 Square Kilometers										



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	6.48	16.90	24.20	18.76	34.42	36.14	68.80	40.00	20.84	13.22	9.74	6.86		
2	6.10	31.84	15.66	22.52	34.42	45.00	66.40	38.00	20.00	13.22	9.16	6.86		
3	6.10	24.20	12.06	21.68	40.00	79.10	77.80	77.80	19.38	12.64	9.16	6.86		
4	7.24	15.04	9.74	17.52	53.60	67.60	81.70	68.80	18.76	12.64	9.16	6.86		
5	6.86	13.80	13.22	18.14	51.40	66.40	62.80	51.40	18.76	12.64	9.16	6.86		
6	8.58	29.26	17.52	15.66	43.00	73.90	58.00	43.00	18.14	12.64	10.32	6.48		
7	12.06	30.98	15.66	39.00	45.00	86.90	44.00	39.00	18.14	12.64	13.22	6.48		
8	13.80	16.28	13.22	19.38	44.00	76.50	44.00	37.00	17.52	12.06	12.06	6.10		
9	12.06	15.66	15.04	68.80	44.00	77.80	38.00	34.42	17.52	12.06	10.90	8.00		
10	9.74	15.04	20.84	44.00	35.28	77.80	36.14	37.00	16.90	11.48	9.74	7.24		
11	8.58	15.66	20.00	27.56	41.00	71.30	41.00	34.42	16.90	11.48	8.58	7.24		
12	9.16	16.90	18.14	23.36	45.00	55.80	42.00	33.56	16.90	11.48	8.58	7.24		
13	10.32	12.64	14.42	21.68	38.00	48.10	37.00	34.42	16.28	11.48	8.00	7.24		
14	13.80	10.90	13.22	18.14	34.42	44.00	33.56	33.56	15.66	11.48	7.62	6.86		
15	10.32	10.32	13.80	26.72	51.40	43.00	32.70	30.12	15.66	11.48	8.00	6.48		
16	10.32	9.16	16.28	30.12	71.30	44.00	32.70	29.26	15.66	12.64	7.62	6.48		
17	11.48	8.58	25.04	65.20	89.50	59.20	33.56	29.26	15.66	16.28	8.00	6.48		
18	12.64	7.62	26.72	38.00	97.40	86.90	36.14	28.40	15.04	15.66	7.62	6.48		
19	12.06	7.62	19.38	32.70	128.20	60.40	32.70	26.72	15.04	13.80	8.58	6.86		
20	10.90	8.58	16.28	27.56	134.60	47.00	32.70	26.72	14.42	13.22	10.90	6.86		
21	9.16	7.62	15.04	46.00	92.10	54.70	31.84	25.88	14.42	12.64	12.06	14.42		
22	8.58	7.24	13.80	48.10	70.00	53.60	31.84	25.04	14.42	12.64	10.90	10.90		
23	7.62	8.58	15.66	44.00	58.00	48.10	39.00	21.68	13.80	12.06	9.16	12.64		
24	6.86	7.62	19.38	39.00	50.30	46.00	126.60	23.36	13.80	11.48	8.00	11.48		
25	6.48	9.74	16.28	33.56	53.60	55.80	72.60	33.56	13.80	11.48	7.62	9.74		
26	14.42	8.00	13.80	42.00	75.20	66.40	49.20	30.12	13.80	9.74	7.24	9.16		
27	15.66	8.58	13.80	40.00	56.90	76.50	42.00	33.56	13.80	9.16	6.86	7.62		
28	51.40	8.58	13.22	36.14	47.00	70.00	42.00	29.26	13.80	9.74	7.24	6.86		
29	29.26	22.52	11.48	32.70	46.00	54.70	42.00	25.04	13.22	9.74		6.48		
30	23.36	23.36	12.06	30.98	45.00	58.00	36.14	21.68	13.22	9.74		6.10		
31		28.40		29.26	39.00		42.00		13.22	9.74		6.10		
Total	371.40	457.22	484.96	1018.24	1789.04	1830.64	1486.92	1042.04	494.48	372.40	255.20	238.32	9840.86	CMSDAY
Mean	12.38	14.75	16.17	32.85	57.71	61.02	47.97	34.73	15.95	12.01	9.11	7.69	26.96	CMS
Max	51.40	31.84	26.72	68.80	134.60	86.90	126.60	77.80	20.84	16.28	13.22	14.42	134.60	CMS
Min	6.10	7.24	9.74	15.66	34.42	36.14	31.84	21.68	13.22	9.16	6.86	6.10	6.10	CMS
Runoff	32.09	39.50	41.90	87.98	154.57	158.17	128.47	90.03	42.72	32.18	22.05	20.59	850.25	MCM
Momentary Peak	168.80 CMS. at 176.86 m. (MSL.) at 18.00 Hours , on Oct 24, 2021													
Runoff Yield	6.02	Liters/Second/Square KM.		Momentary Peak Yield		37.67	Liters/Second/Square KM.							

WATER YEAR : 2021

SALAWIN RIVER BASIN

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

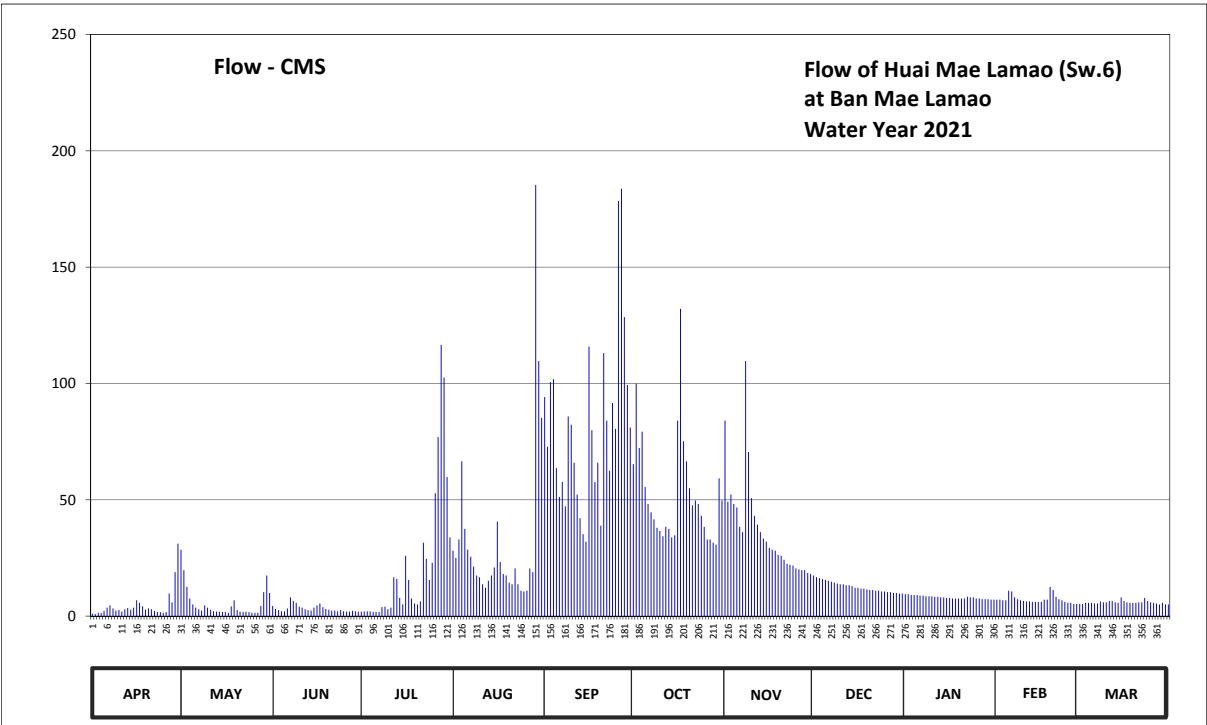
Lat 16 - 45 - 51 N Long 98 - 45 - 06 E

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

	Ban Mae Lamao	Amphoe Mae Sot	Changwat Tak
Drainage 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	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 5 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	268.58	269.52	268.81	268.66	269.51	270.74	270.26	270.58	269.25	269.02	268.93	268.85	
2	268.56	269.31	268.74	268.67	269.44	270.39	270.83	269.96	269.23	269.02	268.93	268.85	
3	268.62	269.12	268.71	268.67	269.62	270.84	270.38	270.02	269.22	269.01	268.92	268.87	
4	268.61	268.95	268.67	268.67	270.28	270.86	270.50	269.94	269.21	269.01	268.92	268.87	
5	268.69	268.84	268.67	268.65	269.72	270.23	270.08	269.91	269.20	269.01	269.07	268.87	
6	268.77	268.77	268.75	268.65	269.52	270.00	269.94	269.74	269.19	269.00	269.06	268.86	
7	268.82	268.73	268.97	268.65	269.45	270.12	269.87	269.69	269.18	269.00	268.97	268.86	
8	268.75	268.70	268.91	268.78	269.35	269.92	269.81	270.98	269.17	268.99	268.94	268.90	
9	268.70	268.82	268.87	268.79	269.25	270.61	269.73	270.35	269.16	268.99	268.92	268.88	
10	268.71	268.77	268.79	268.73	269.23	270.55	269.70	269.99	269.15	268.99	268.91	268.88	
11	268.66	268.72	268.77	268.77	269.15	270.27	269.65	269.84	269.15	268.98	268.90	268.91	
12	268.73	268.68	268.73	269.23	269.11	270.02	269.74	269.76	269.14	268.98	268.90	268.91	
13	268.76	268.66	268.71	269.21	269.19	269.82	269.72	269.69	269.14	268.97	268.89	268.88	
14	268.72	268.66	268.70	268.96	269.25	269.67	269.64	269.63	269.13	268.97	268.89	268.87	
15	268.77	268.65	268.77	268.84	269.34	269.60	269.66	269.60	269.11	268.96	268.89	268.97	
16	268.92	268.65	268.82	269.46	269.79	271.07	270.58	269.54	269.11	268.96	268.89	268.91	
17	268.87	268.62	268.86	269.20	269.40	270.51	271.30	269.52	269.10	268.95	268.93	268.88	
18	268.80	268.80	268.78	268.95	269.27	270.12	270.43	269.51	269.10	268.95	268.93	268.87	
19	268.72	268.92	268.74	268.86	269.25	270.27	270.28	269.47	269.09	268.95	269.12	268.87	
20	268.75	268.71	268.72	268.84	269.17	269.75	270.07	269.46	269.08	268.95	269.08	268.87	
21	268.73	268.66	268.70	268.90	269.15	271.03	269.93	269.42	269.08	268.95	268.98	268.88	
22	268.69	268.65	268.70	269.59	269.33	270.58	269.97	269.38	269.07	268.98	268.94	268.88	
23	268.65	268.66	268.67	269.43	269.15	270.21	269.94	269.37	269.07	268.97	268.92	268.96	
24	268.64	268.64	268.71	269.20	269.07	270.70	269.84	269.36	269.06	268.97	268.89	268.91	
25	268.62	268.62	268.67	269.39	269.06	270.52	269.74	269.33	269.06	268.95	268.87	268.88	
26	268.64	268.62	268.66	270.03	269.07	271.93	269.62	269.32	269.05	268.95	268.87	268.87	
27	269.03	268.62	268.66	270.46	269.33	272.00	269.62	269.31	269.05	268.94	268.85	268.86	
28	268.88	268.81	268.69	271.08	269.29	271.25	269.59	269.31	269.04	268.94	268.85	268.84	
29	269.29	269.05	268.67	270.87	272.02	270.82	269.57	269.28	269.04	268.94		268.87	
30	269.58	269.25	268.66	270.16	270.98	270.53	270.15	269.27	269.03	268.93		268.84	
31		269.04		269.64	270.60		269.97		269.03	268.93		268.84	
Mean	268.78	268.81	268.74	269.23	269.53	270.50	270.00	269.68	269.12	268.97	268.93	268.88	
Max	269.58	269.52	268.97	271.08	272.02	272.00	271.30	270.98	269.25	269.02	269.12	268.97	272.02
Min	268.56	268.62	268.66	268.65	269.06	269.60	269.57	269.27	269.03	268.93	268.85	268.84	268.56
Annual Max Momentary Gage Height	272.97		m. (MSL.) ,			at 18.00 Hours ,	on Sep 26, 2021						
Zero Gage at Bottom Elevation	268.47		m. (MSL.) ,			River Bed	268.40	m. (MSL.)					
Left Bank Elevation	281.56		m. (MSL.) ,										
Right Bank Elevation	281.34		m. (MSL.) ,			Drainage Are	994	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.04	28.52	4.41	1.92	28.09	94.16	65.35	84.02	17.43	9.40	7.05	5.25		
2	0.88	19.70	3.12	2.04	25.04	72.83	99.94	49.18	16.68	9.40	7.05	5.25		
3	1.44	12.55	2.58	2.04	32.91	100.58	72.25	52.27	16.30	9.10	6.80	5.67		
4	1.32	7.55	2.04	2.04	66.50	101.87	79.30	48.17	15.93	9.10	6.80	5.67		
5	2.28	5.04	2.04	1.80	37.46	63.63	55.48	46.66	15.55	9.10	10.90	5.67		
6	3.66	3.66	3.30	1.80	28.52	51.20	48.17	38.37	15.18	8.80	10.60	5.46		
7	4.62	2.94	8.05	1.80	25.48	57.62	44.64	36.10	14.80	8.80	8.05	5.46		
8	3.30	2.40	6.55	3.84	21.30	47.16	41.61	109.61	14.43	8.55	7.30	6.30		
9	2.40	4.62	5.67	4.02	17.43	85.84	37.92	70.53	14.05	8.55	6.80	5.88		
10	2.58	3.66	4.02	2.94	16.68	82.25	36.55	50.70	13.68	8.55	6.55	5.88		
11	1.92	2.76	3.66	3.66	13.68	65.93	34.28	43.12	13.68	8.30	6.30	6.55		
12	2.94	2.16	2.94	16.68	12.18	52.27	38.37	39.28	13.30	8.30	6.30	6.55		
13	3.48	1.92	2.58	15.93	15.18	42.11	37.46	36.10	13.30	8.05	6.09	5.88		
14	2.76	1.92	2.40	7.80	17.43	35.19	33.82	33.37	12.93	8.05	6.09	5.67		
15	3.66	1.80	3.66	5.04	20.90	32.00	34.73	32.00	12.18	7.80	6.09	8.05		
16	6.80	1.80	4.62	25.91	40.65	115.84	84.02	29.39	12.18	7.80	6.09	6.55		
17	5.67	1.44	5.46	15.55	23.30	79.89	132.05	28.52	11.80	7.55	7.05	5.88		
18	4.20	4.20	3.84	7.55	18.18	57.62	75.17	28.09	11.80	7.55	7.05	5.67		
19	2.76	6.80	3.12	5.46	17.43	65.93	66.50	26.35	11.50	7.55	12.55	5.67		
20	3.30	2.58	2.76	5.04	14.43	38.83	54.95	25.91	11.20	7.55	11.20	5.67		
21	2.94	1.92	2.40	6.30	13.68	113.02	47.67	24.17	11.20	7.55	8.30	5.88		
22	2.28	1.80	2.40	31.57	20.50	84.02	49.69	22.50	10.90	8.30	7.30	5.88		
23	1.80	1.92	2.04	24.61	13.68	62.47	48.17	22.10	10.90	8.05	6.80	7.80		
24	1.68	1.68	2.58	15.55	10.90	91.60	43.12	21.70	10.60	8.05	6.09	6.55		
25	1.44	1.44	2.04	22.90	10.60	80.48	38.37	20.50	10.60	7.55	5.67	5.88		
26	1.68	1.44	1.92	52.81	10.90	178.42	32.91	20.10	10.30	7.55	5.67	5.67		
27	9.70	1.44	1.92	76.94	20.50	183.70	32.91	19.70	10.30	7.30	5.25	5.46		
28	5.88	4.41	2.28	116.54	18.93	128.53	31.57	19.70	10.00	7.30	5.25	5.04		
29	18.93	10.30	2.04	102.52	185.30	99.29	30.70	18.55	10.00	7.30		5.67		
30	31.13	17.43	1.92	59.76	109.61	81.07	59.23	18.18	9.70	7.05		5.04		
31		10.00												

WATER YEAR : 2021

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
Drainage 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 28 discharge measurements made in 2021.		

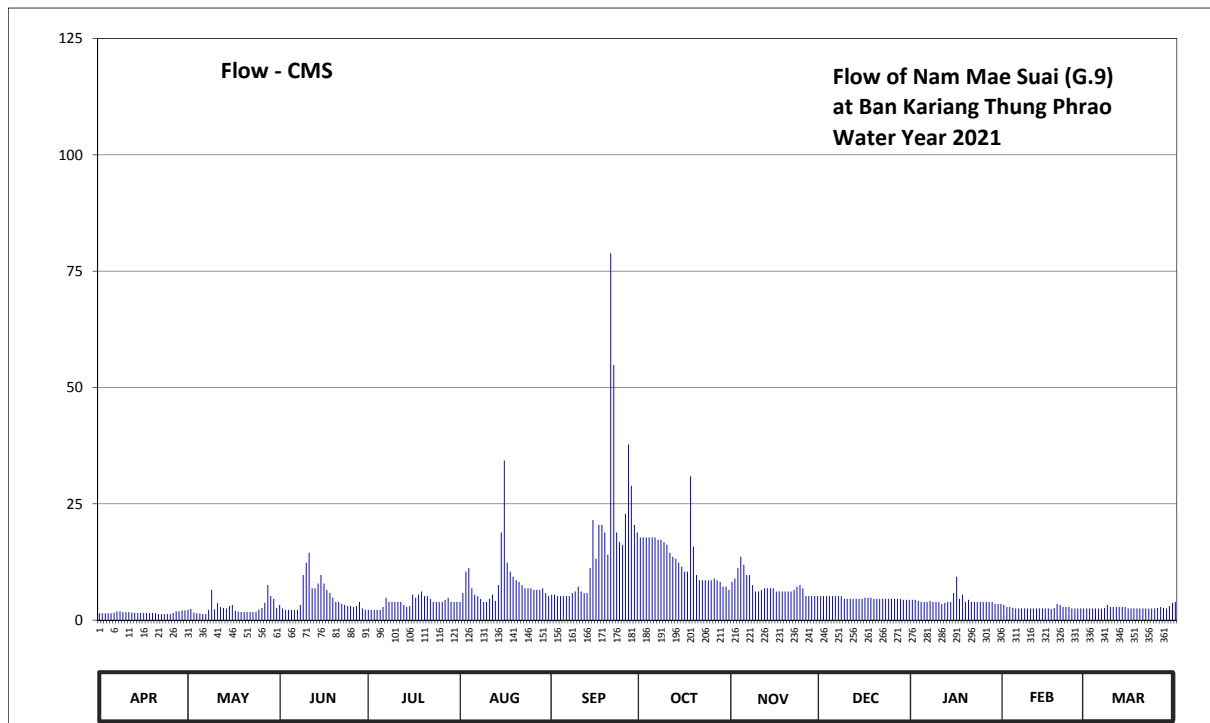
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	462.94	463.08	462.90	462.96	462.95	463.02	463.02	463.17	463.05	462.92	462.93	462.90	
2	463.00	463.06	462.94	462.90	462.95	463.00	463.03	463.05	463.05	462.92	462.93	462.90	
3	463.00	463.00	463.00	462.90	463.02	463.00	463.05	463.10	463.05	462.92	462.93	462.89	
4	463.00	463.00	463.00	462.90	463.06	463.04	463.05	463.18	463.05	462.92	462.93	462.89	
5	462.98	463.00	463.00	462.90	462.98	463.06	463.05	463.10	463.05	462.92	462.93	462.88	
6	463.00	463.00	463.00	462.90	462.95	463.00	463.05	463.05	463.05	462.95	462.93	462.88	
7	463.00	463.00	463.00	462.90	462.95	463.00	463.05	463.04	463.05	462.95	462.93	462.88	
8	463.00	462.96	463.01	462.90	462.95	463.10	463.05	463.05	463.05	462.95	462.92	462.88	
9	463.00	462.90	463.20	462.95	462.95	463.30	463.03	463.05	463.05	462.95	462.90	462.88	
10	462.97	462.90	463.15	463.06	462.95	463.05	463.03	463.05	463.02	462.95	462.90	462.88	
11	462.90	462.90	463.00	462.98	462.95	462.90	463.04	463.07	463.02	462.95	462.90	462.88	
12	462.90	462.90	463.00	462.94	462.95	462.90	463.01	463.28	463.01	462.94	462.90	462.88	
13	462.90	462.90	463.00	462.93	462.95	462.90	463.03	463.04	463.01	462.93	462.90	462.88	
14	462.90	462.89	463.06	462.93	462.96	463.05	463.03	463.03	462.96	462.93	462.90	462.87	
15	462.90	462.90	463.00	462.92	462.98	463.10	463.03	463.03	462.95	462.95	462.90	462.87	
16	462.90	462.90	463.00	462.90	463.05	462.92	463.03	463.03	462.95	463.00	462.90	462.87	
17	462.90	462.90	463.00	462.94	463.05	463.02	463.03	463.02	462.95	463.00	462.90	462.87	
18	462.90	462.90	463.00	463.00	463.05	462.97	463.03	463.02	462.95	462.98	462.90	462.87	
19	462.90	462.90	463.00	463.05	463.05	463.00	463.03	463.02	462.95	462.93	462.90	462.87	
20	462.90	462.90	463.00	463.10	463.05	463.04	463.03	463.01	462.95	462.93	462.90	462.87	
21	462.89	462.90	462.97	463.10	463.05	463.06	463.00	463.01	462.95	462.93	462.90	462.87	
22	462.90	462.90	462.90	463.10	463.05	463.00	463.00	463.00	462.95	462.93	462.90	462.87	
23	462.90	462.90	462.90	463.00	463.05	463.00	463.00	463.00	462.95	462.93	462.90	462.87	
24	462.90	462.90	462.90	463.00	463.05	462.98	463.00	463.00	462.95	462.93	462.90	462.87	
25	462.90	462.90	462.90	463.00	463.05	462.90	463.00	463.00	462.95	462.93	462.90	462.87	
26	462.90	462.90	462.95	462.98	463.05	462.90	463.00	462.99	462.95	462.93	462.90	462.87	
27	462.90	462.90	463.10	462.95	463.05	462.90	463.00	462.99	462.95	462.93	462.90	462.87	
28	462.90	462.90	463.06	462.95	463.06	462.90	463.03	462.99	462.95	462.93	462.90	462.87	
29	462.90	462.90	463.00	462.95	463.10	462.90	463.03	462.99	462.95	462.93		462.87	
30	462.90	462.90	463.00	462.95	463.10	462.90	463.03	462.99	462.95	462.93		462.87	
31		462.90		462.95	463.10		463.03		462.95	462.93		462.87	
Mean	462.93	462.93	463.00	462.96	463.01	462.99	463.03	463.05	462.99	462.94	462.91	462.88	
Max	463.00	463.08	463.20	463.10	463.10	463.30	463.05	463.28	463.05	463.00	462.93	462.90	463.30
Min	462.89	462.89	462.90	462.90	462.95	462.90	463.00	462.99	462.95	462.92	462.90	462.87	462.87
Annual Max Momentary Gage Height	463.50		m. (MSL.) ,			at 06.00 Hours ,	on Nov 12, 2021						
Zero Gage at Bottom Elevation	461.70		m. (MSL.) ,			River Bed	462.79	m. (MSL.)					
Left Bank Elevation		465.77		m. (MSL.) ,									
Right Bank Elevation		465.77		m. (MSL.) ,		Drainage Are	49	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.78	2.08	0.50	0.92	0.85	1.42	1.53	3.49	1.64	0.64	0.71	0.50	
2	1.20	1.86	0.78	0.50	0.85	1.20	1.53	1.75	1.75	0.64	0.71	0.50	
3	1.20	1.20	1.20	0.50	1.42	1.20	1.75	2.30	1.75	0.64	0.71	0.45	
4	1.20	1.20	1.20	0.50	1.86	1.64	1.75	3.66	1.75	0.64	0.71	0.45	
5	1.06	1.20	1.20	0.50	1.06	1.86	1.75	2.30	1.75	0.64	0.71	0.40	
6	1.20	1.20	1.20	0.50	0.85	1.20	1.75	1.75	1.75	0.85	0.71	0.40	
7	1.20	1.20	1.20	0.50	0.85	1.20	1.75	1.64	1.75	0.85	0.71	0.40	
8	1.20	0.92	1.31	0.50	0.85	2.30	1.75	1.75	1.75	0.85	0.64	0.40	
9	1.20	0.50	4.00	0.85	0.85	6.20	1.53	1.75	1.75	0.85	0.50	0.40	
10	0.99	0.50	3.15	1.86	0.85	1.75	1.53	1.75	1.42	0.85	0.50	0.40	
11	0.50	0.50	1.20	1.06	0.85	0.50	1.64	1.97	1.42	0.85	0.50	0.40	
12	0.50	0.50	1.20	0.78	0.85	0.50	1.31	5.76	1.31	0.78	0.50	0.40	
13	0.50	0.50	1.20	0.71	0.85	0.50	1.53	1.64	1.31	0.71	0.50	0.40	
14	0.50	0.45	1.86	0.71	0.92	1.75	1.53	1.53	0.92	0.71	0.50	0.35	
15	0.50	0.50	1.20	0.64	1.06	2.30	1.53	1.53	0.85	0.85	0.50	0.35	
16	0.50	0.50	1.20	0.50	1.75	0.64	1.53	1.53	0.85	1.20	0.50	0.35	
17	0.50	0.50	1.20	0.78	1.75	1.42	1.53	1.42	0.85	1.20	0.50	0.35	
18	0.50	0.50	1.20	1.20	1.75	0.99	1.53	1.42	0.85	1.06	0.50	0.35	
19	0.50	0.50	1.20	1.75	1.75	1.20	1.53	1.42	0.85	0.71	0.50	0.35	
20	0.50	0.50	1.20	2.30	1.75	1.64	1.53	1.31	0.85	0.71	0.50	0.35	
21	0.45	0.50	0.99	2.30	1.75	1.86	1.20	1.31	0.85	0.71	0.50	0.35	
22	0.50	0.50	0.50	2.30	1.75	1.20	1.20	1.20	0.85	0.71	0.50	0.35	
23	0.50	0.50	0.50	1.20	1.75	1.20	1.20	1.20	0.85	0.71	0.50	0.35	
24	0.50	0.50	0.50	1.20	1.75	1.06	1.20	1.20	0.85	0.71	0.50	0.35	
25	0.50	0.50	0.50	1.20	1.75	0.50	1.20	1.20	0.85	0.71	0.50	0.35	
26	0.50	0.50	0.85	1.06	1.75	0.50	1.20	1.13	0.85	0.71	0.50	0.35	
27	0.50	0.50	2.30	0.85	1.75	0.50	1.20	1.13	0.85	0.71	0.50	0.35	
28	0.50	0.50	1.86	0.85	1.86	0.50	1.53	1.13	0.85	0.71	0.50	0.35	
29	0.50	0.50	1.20	0.85	2.30	0.50	1.53	1.13	0.85	0.71		0.35	
30	0.50	0.50	1.20	0.85	2.30	0.50	1.53	1.13	0.85	0.71		0.35	
31		0.50		0.85	2.30		1.53		0.85	0.71		0.35	
Total	21.18	22.31	38.80	31.07	44.58	39.73	46.33	53.43	36.47	24.04	15.61	11.80	385.35
Mean	0.71	0.72	1.29	1.00	1.44	1.32	1.49	1.78	1.18	0.78			

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	404.49	404.81	405.19	404.63	405.53	405.44	406.89	406.69	405.80	404.80	404.68	404.66	
	2	404.49	404.87	404.79	404.60	405.35	405.30	406.79	407.42	405.77	404.78	404.68	404.65	
	3	404.48	404.85	404.71	404.56	405.31	405.23	406.71	407.56	405.75	404.70	404.65	404.65	
	4	404.49	404.81	404.68	404.53	405.72	405.24	406.76	407.67	405.75	404.70	404.65	404.65	
	5	404.50	404.83	404.69	404.50	405.49	405.24	406.67	407.43	405.72	404.70	404.67	404.64	
	6	404.55	404.84	404.69	404.65	405.21	405.49	406.45	407.08	405.69	404.69	404.75	404.64	
	7	404.62	404.93	404.68	405.34	404.86	405.44	406.11	406.91	405.66	404.71	404.81	404.69	
	8	404.66	405.16	404.84	405.29	404.72	405.29	405.91	406.81	405.64	404.73	404.79	404.83	
	9	404.81	405.46	405.28	405.24	404.79	405.50	405.70	406.63	405.62	404.73	404.75	404.78	
	10	404.92	405.58	406.18	405.54	404.89	406.15	405.61	406.59	405.57	404.73	404.73	404.78	
	11	404.90	405.61	406.36	405.93	404.93	406.13	406.43	406.60	405.58	404.70	404.72	404.75	
	12	404.89	405.47	405.85	406.18	405.05	406.00	406.98	406.86	405.55	404.67	404.72	404.71	
	13	404.88	405.41	405.42	405.88	405.08	405.59	406.74	406.73	405.41	404.69	404.70	404.71	
	14	404.83	405.42	405.67	405.60	405.20	405.69	406.28	406.67	405.38	404.73	404.67	404.70	
	15	404.84	405.37	406.59	405.43	405.45	406.25	405.95	406.58	405.36	404.73	404.64	404.70	
	16	404.82	405.22	406.31	405.50	405.70	407.09	406.01	406.56	405.35	404.89	404.66	404.70	
	17	404.82	405.29	405.83	405.28	406.46	407.40	406.47	406.70	405.30	405.06	404.66	404.73	
	18	404.90	405.23	405.75	405.00	406.00	407.19	406.67	406.60	405.09	405.12	404.66	404.82	
	19	404.88	405.11	405.47	404.82	405.61	406.74	406.50	406.46	405.08	405.16	404.79	404.89	
	20	404.84	404.89	405.23	405.06	405.49	406.39	406.26	406.41	405.05	405.28	405.23	404.84	
	21	404.81	404.72	405.11	405.49	405.57	406.94	406.15	406.35	405.04	405.36	405.18	404.82	
	22	404.78	404.69	404.98	405.62	405.62	407.91	406.43	406.32	404.99	405.28	405.13	404.83	
	23	404.78	404.66	404.90	405.41	405.55	408.09	407.03	406.27	404.92	405.21	404.94	404.91	
	24	404.77	404.61	404.79	405.36	405.76	407.47	407.26	406.08	404.85	405.19	404.77	405.04	
	25	404.77	404.62	404.57	405.25	406.20	407.00	407.08	405.99	404.84	405.15	404.70	404.91	
	26	404.78	404.60	404.61	405.22	406.28	406.85	406.92	405.94	404.83	405.10	404.67	404.81	
	27	404.84	404.79	404.66	405.44	405.79	407.14	406.6						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.05	0.96	4.67	0.29	9.45	8.10	39.37	33.83	13.80	0.90	0.44	0.38	
2	0.05	1.32	0.86	0.20	6.83	6.15	36.53	55.50	13.31	0.82	0.44	0.35	
3	0.04	1.20	0.54	0.14	6.29	5.21	34.37	60.40	12.98	0.50	0.35	0.35	
4	0.05	0.96	0.44	0.10	12.48	5.34	35.72	64.32	12.98	0.50	0.35	0.35	
5	0.05	1.08	0.47	0.05	8.85	5.34	33.29	55.85	12.48	0.50	0.41	0.32	
6	0.13	1.14	0.47	0.35	4.94	8.85	27.73	44.90	11.99	0.47	0.70	0.32	
7	0.26	1.74	0.44	6.69	1.26	8.10	19.78	39.94	11.49	0.54	0.96	0.47	
8	0.38	4.28	1.14	6.02	0.58	6.02	15.73	37.09	11.16	0.62	0.86	1.08	
9	0.96	8.40	5.88	5.34	0.86	9.00	12.15	32.21	10.83	0.62	0.70	0.82	
10	1.66	10.20	21.35	9.60	1.44	20.68	10.67	31.16	10.05	0.62	0.62	0.82	
11	1.50	10.67	25.56	16.08	1.74	20.23	27.24	31.40	10.20	0.50	0.58	0.70	
12	1.44	8.55	14.68	21.35	2.90	17.30	41.93	38.51	9.75	0.41	0.58	0.54	
13	1.38	7.65	7.80	15.20	3.26	10.35	35.18	34.91	7.65	0.47	0.50	0.54	
14	1.08	7.80	11.66	10.50	4.80	11.99	23.68	33.29	7.23	0.62	0.41	0.50	
15	1.14	7.10	31.16	7.95	8.25	22.98	16.43	30.91	6.96	0.62	0.32	0.50	
16	1.02	5.07	24.39	9.00	12.15	45.20	17.53	30.42	6.83	1.44	0.38	0.50	
17	1.02	6.02	14.33	5.88	27.97	54.80	28.22	34.10	6.15	3.02	0.38	0.62	
18	1.50	5.21	12.98	2.30	17.30	48.20	33.29	31.40	3.38	3.76	0.38	1.02	
19	1.38	3.63	8.55	1.02	10.67	35.18	28.95	27.97	3.26	4.28	0.86	1.44	
20	1.14	1.44	5.21	3.02	8.85	26.27	23.21	26.75	2.90	5.88	5.21	1.14	
21	0.96	0.58	3.63	8.85	10.05	40.79	20.68	25.33	2.78	6.96	4.54	1.02	
22	0.82	0.47	2.14	10.83	10.83	72.96	27.24	24.62	2.22	5.88	3.89	1.08	
23	0.82	0.38	1.50	7.65	9.75	79.71	43.40	23.45	1.66	4.94	1.82	1.58	
24	0.78	0.23	0.86	6.96	13.14	57.25	50.39	19.10	1.20	4.67	0.78	2.78	
25	0.78	0.26	0.16	5.48	21.80	42.50	44.90	17.13	1.14	4.15	0.50	1.58	
26	0.82	0.20	0.23	5.07	23.68	38.23	40.22	16.25	1.08	3.50	0.41	0.96	
27	1.14	0.86	0.38	8.10	13.64	46.70	33.56	15.03	1.08	1.20	0.41	0.47	
28	1.08	6.83	0.90	6.15	14.50	66.84	29.69	15.90	0.90	0.70	0.35	0.70	
29	0.96	14.68	0.74	5.21	13.98	65.40	26.99	15.20	0.90	0.62		0.90	
30	0.90	11.33	0.44	6.02	11.49	49.45	27.48	14.50	0.90	0.58		1.08	
31		8.55		9.90	9.90		30.91		0.90	0.47		1.20	
Total	25.29	138.79	203.56	201.30	303.63	935.12	916.46	961.37	200.14	60.76			



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.46	2.20	3.26	2.20	3.92	5.48	17.79	8.20	5.14	4.36	3.26	2.50		
2	1.46	2.40	2.50	2.20	5.82	5.48	17.79	8.94	5.14	4.36	2.82	2.50		
3	1.46	1.60	2.20	2.20	10.42	5.14	17.79	11.16	5.14	4.14	2.82	2.50		
4	1.46	1.46	2.20	2.20	11.16	5.14	17.79	13.62	5.14	3.92	2.60	2.50		
5	1.46	1.39	2.20	2.20	6.84	5.14	17.79	11.90	5.14	3.92	2.50	2.50		
6	1.60	1.32	2.20	2.82	5.48	5.14	17.79	9.68	5.14	3.92	2.50	2.50		
7	1.90	1.32	2.20	4.80	5.14	5.14	17.26	9.68	5.14	4.14	2.50	2.60		
8	1.90	2.20	3.26	3.92	4.58	5.82	17.26	7.52	5.14	3.92	2.50	3.26		
9	1.70	6.50	9.68	3.92	3.92	6.16	16.73	6.16	4.58	3.92	2.50	2.82		
10	1.70	2.30	12.33	3.92	3.92	7.18	16.20	6.16	4.58	3.92	2.50	2.82		
11	1.70	3.70	14.48	3.92	4.58	6.16	14.48	6.50	4.58	3.48	2.50	2.82		
12	1.60	2.82	6.84	3.92	5.48	5.82	13.62	6.84	4.58	3.70	2.50	2.82		
13	1.53	2.60	6.84	3.26	4.14	5.82	13.19	6.84	4.58	3.92	2.50	2.82		
14	1.53	2.50	7.86	2.82	7.52	11.16	12.33	6.84	4.58	3.92	2.50	2.82		
15	1.53	3.04	9.68	3.04	18.85	21.50	11.53	6.84	4.58	5.82	2.50	2.50		
16	1.53	3.26	7.86	5.48	34.32	13.19	10.42	6.16	4.80	9.31	2.50	2.50		
17	1.53	2.00	6.50	4.80	12.33	20.44	10.42	6.16	4.80	4.58	2.40	2.50		
18	1.53	1.80	5.82	5.48	10.42	20.44	30.92	6.16	4.80	5.48	2.60	2.50		
19	1.53	1.70	4.80	6.16	9.31	18.85	15.77	6.16	4.58	3.92	3.48	2.50		
20	1.46	1.70	3.92	5.14	8.57	14.05	9.68	6.16	4.58	4.36	3.26	2.50		
21	1.32	1.70	3.92	5.14	8.20	78.85	8.57	6.16	4.58	3.92	2.82	2.50		
22	1.32	1.70	3.48	4.58	7.52	54.82	8.57	6.50	4.58	3.92	2.82	2.50		
23	1.32	1.70	3.26	3.92	6.84	18.85	8.57	7.18	4.58	3.92	2.82	2.50		
24	1.32	1.80	3.04	3.92	6.84	16.73	8.57	7.52	4.58	3.92	2.50	2.50		
25	1.32	2.30	3.04	3.92	6.84	16.20	8.57	6.84	4.58	3.92	2.50	2.60		
26	1.53	2.60	2.82	3.92	6.50	22.84	8.94	5.14	4.58	3.92	2.50	2.82		
27	1.90	3.70	3.04	4.36	6.50	37.76	8.57	5.14	4.58	3.92	2.50	2.60		
28	1.90	7.52	3.92	4.80	6.50	28.88	8.20	5.14	4.58	3.92	2.50	2.50		
29	2.10	5.14	2.50	3.92	6.84	20.44	7.18	5.14	4.36	3.48		3.04		
30	2.10	4.58	2.20	3.92	5.82	18.85	7.18	5.14	4.36	3.48		3.70		
31		2.60		3.92	5.14		6.50		4.36	3.48		3.92		
Total	47.70	83.15	147.85	120.72	250.26	5								

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	433.35	433.23	433.58	433.55	433.52	433.64	434.77	434.42	433.67	433.44	433.52	433.57	
	2	433.35	433.24	433.58	433.55	433.47	433.55	434.78	434.94	433.67	433.44	433.52	433.57	
	3	433.35	433.42	433.52	433.55	433.40	433.53	434.76	435.23	433.63	433.41	433.51	433.55	
	4	433.34	433.36	433.48	433.55	433.53	433.68	434.85	435.00	433.62	433.40	433.55	433.54	
	5	433.35	433.37	433.47	433.53	433.53	433.60	434.67	434.82	433.61	433.37	433.58	433.55	
	6	433.38	433.37	433.57	433.58	433.49	433.66	434.55	434.59	433.60	433.46	433.58	433.53	
	7	433.40	433.36	433.56	434.15	433.41	433.71	434.35	434.56	433.59	433.44	433.52	433.54	
	8	433.40	433.38	433.53	433.93	433.40	433.65	434.21	434.41	433.56	433.47	433.49	433.65	
	9	433.38	433.45	433.56	433.81	433.47	433.67	434.01	434.33	433.55	433.47	433.50	433.76	
	10	433.36	433.48	433.89	434.16	433.46	434.18	433.93	434.32	433.55	433.47	433.50	433.64	
	11	433.36	433.43	434.10	434.23	433.48	434.35	434.91	434.38	433.54	433.46	433.47	433.62	
	12	433.36	433.35	433.88	434.08	433.51	434.12	435.02	434.31	433.52	433.47	433.43	433.63	
	13	433.36	433.36	433.70	434.03	433.60	433.87	434.81	434.33	433.49	433.47	433.45	433.65	
	14	433.36	433.36	433.84	434.03	433.75	433.97	434.45	434.39	433.47	433.47	433.47	433.66	
	15	433.34	433.35	434.27	433.80	433.69	434.77	434.19	434.28	433.47	433.48	433.45	433.70	
	16	433.36	433.32	434.21	433.88	433.67	435.03	434.42	434.34	433.49	433.62	433.56	433.82	
	17	433.35	433.28	434.14	433.69	433.84	434.97	434.97	434.46	433.50	433.84	433.56	433.81	
	18	433.34	433.29	433.93	433.54	433.73	434.70	434.96	434.30	433.50	433.70	433.57	433.76	
	19	433.25	433.27	433.80	433.52	433.61	434.43	434.72	434.22	433.52	433.89	433.78	433.89	
	20	433.22	433.27	433.64	433.72	433.85	434.48	434.55	434.17	433.51	433.84	434.09	433.82	
	21	433.22	433.26	433.55	433.91	433.98	434.99	434.49	434.13	433.55	433.83	434.14	433.78	
	22	433.20	433.28	433.64	433.91	434.15	435.39	434.49	434.11	433.53	433.79	433.77	433.78	
	23	433.20	433.30	433.50	433.74	433.94	435.33	434.64	434.03	433.52	433.73	433.54	433.78	
	24	433.16	433.30	433.52	433.67	433.79	434.90	434.75	433.83	433.52	433.62	433.43	433.63	
	25	433.20	433.31	433.50	433.56	434.50	434.70	434.72	433.81	433.49	433.54	433.36	433.59	
	26	433.28	433.35	433.56	433.57	434.19	434.67	434.50	433.78	433.49	433.48	433.35	433.57	
	27	433.28	433.52	433.57	433.63	433.86	435.05	434.34	433.79	433.50	433.46	433.42	433.57	
	28	433.27	433.53	433.57	433.56	434.10	435.65	434.22	433.77	433.52	433.42	433.57	433.58	
	29	433.27	433.69	433.57	433.47	434.02	435.24	434.17	433.73	433.50	433.34		433.62	
	30	433.27	433.59	433.57	433.45	433.87	434.95	434.18	433.68	433.45	433.36		433.62	
	31		433.58		433.58	433.76		434.16		433.44	433.42		433.62	
Mean		433.31	433.38	433.69	433.74	433.73	434.41	434.53	434.28	433.53	433.54	433.56	433.66	
Max		433.40	433.69	434.27	434.23	434.50	435.65	435.02	435.23	433.67	433.89	434.14	433.89	435.65
Min		433.16	433.23	433.47	433.45	433.40	433.53	433.93	433.68	433.44	433.34	433.35	433.53	433.16
Annual Max Momentary Gage Height			435.81	m. (MSL) ,			at 09:00 Hours , on Sep 28, 2021							
Zero Gage at Bottom Elevation			433.47	m. (MSL) ,			River Bed	432.52	m. (MSL.)					
Left Bank Elevation			438.91	m. (MSL) ,										
Right Bank Elevation			438.92	m. (MSL) ,			Drainage Are	2,618	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.15	4.05	10.98	10.35	9.72	12.36	51.40	37.07	13.08	8.04	9.72	10.77	
2	6.15	4.20	10.98	10.35	8.67	10.35	51.83	58.86	13.08	8.04	9.72	10.77	
3	6.15	7.62	9.72	10.35	7.20	9.93	50.96	72.53	12.12	7.41	9.51	10.35	
4	5.94	6.36	8.88	10.35	9.93	13.32	54.90	61.50	11.88	7.20	10.35	10.14	
5	6.15	6.57	8.67	9.93	9.93	11.40	47.05	53.58	11.64	6.57	10.98	10.35	
6	6.78	6.57	10.77	10.98	9.09	12.84	42.08	43.62	11.40	8.46	10.98	9.93	
7	7.20	6.36	10.56	27.33	7.41	14.07	34.48	42.46	11.19	8.04	9.72	10.14	
8	7.20	6.78	9.93	20.27	7.20	12.60	29.37	36.69	10.56	8.67	9.09	12.60	
9	6.78	8.25	10.56	16.79	8.67	13.08	22.64	33.75	10.35	8.67	9.30	15.42	
10	6.36	8.88	19.11	27.66	8.46	28.33	20.27	33.38	10.35	8.67	9.30	12.36	
11	6.36	7.83	25.65	30.10	8.88	34.48	57.54	35.57	10.14	8.46	8.67	11.88	
12	6.36	6.15	18.82	24.98	9.51	26.32	62.45	33.02	9.72	8.67	7.83	12.12	
13	6.36	6.36	13.80	23.31	11.40	18.53	53.14	33.75	9.09	8.67	8.25	12.60	
14	6.36	6.36	17.66	23.31	15.15	21.43	38.23	35.94	8.67	8.67	8.67	12.84	
15	5.94	6.15	31.56	16.50	13.56	51.40	28.67	31.92	8.67	8.88	8.25	13.80	
16	6.36	5.52	29.37	18.82	13.08	62.93	37.07	34.11	9.09	11.88	10.56	17.08	
17	6.15	4.80	26.99	13.56	17.66	60.18	60.18	38.61	9.30	17.66	10.56	16.79	
18	5.94	4.95	20.27	10.14	14.61	48.35	59.74	32.65	9.30	13.80	10.77	15.42	
19	4.35	4.65	16.50	9.72	11.64	37.46	49.22	29.73	9.72	19.11	15.96	19.11	
20	3.90	4.65	12.36	14.34	17.95	39.38	42.08	28.00	9.51	17.66	25.32	17.08	
21	3.90	4.50	10.35	19.69	21.72	61.06	39.77	26.66	10.35	17.37	26.99	15.96	
22	3.60	4.80	12.36	19.69	27.33	80.69	39.77	25.99	9.93	16.23	15.69	15.96	
23	3.60	5.10	9.30	14.88	20.56	77.63	45.74	23.31	9.72	14.61	10.14	15.96	
24	3.08	5.10	9.72	13.08	16.23	57.10	50.53	17.37	9.72	11.88	7.83	12.12	
25	3.60	5.31	9.30	10.56	40.15	48.35	49.22	16.79	9.09	10.14	6.36	11.19	
26	4.80	6.15	10.56	10.77	28.67	47.05	40.15	15.96	9.09	8.88	6.15	10.77	
27	4.80	9.72	10.77	12.12	18.24	63.88	34.11	16.23	9.30	8.46	7.62	10.77	
28	4.65	9.93	10.77	10.56	25.65	94.70	29.73	15.69	9.72	7.62	10.77	10.98	
29	4.65	13.56	10.77	8.67	22.97	73.04	28.00	14.61	9.30	5.94		11.88	
30	4.65	11.19	10.77	8.25	18.53	59.30	28.33	13.32	8.25	6.36		11.88	
31		10.98		10.98	15.42		27.66		8.04	7.62		11.88	
Total	164												

WATER YEAR : 2021

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 34 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	462.30	462.57	462.85	462.51	462.66	462.73	463.34	463.26	462.81	462.12	462.14	462.20	
	2	462.30	462.60	462.77	462.51	462.59	462.71	463.39	463.62	462.79	462.09	462.14	462.18	
	3	462.35	462.64	462.73	462.49	462.71	462.75	463.49	463.60	462.77	462.05	462.14	462.16	
	4	462.54	462.65	462.71	462.48	462.73	462.75	463.52	463.51	462.73	462.06	462.13	462.15	
	5	462.54	462.67	462.75	462.48	462.69	462.72	463.29	463.45	462.72	462.07	462.18	462.10	
	6	462.59	462.67	462.77	462.78	462.65	462.73	463.14	463.35	462.72	462.06	462.29	462.05	
	7	462.61	462.67	462.74	463.24	462.62	462.74	463.06	463.29	462.70	462.08	462.28	462.21	
	8	462.56	462.68	462.74	462.82	462.59	462.77	462.98	463.18	462.69	462.08	462.32	462.69	
	9	462.54	462.76	462.87	462.93	462.57	462.95	462.94	463.13	462.69	462.09	462.29	462.38	
	10	462.52	462.75	463.15	463.25	462.54	463.23	463.26	463.11	462.69	462.11	462.28	462.23	
	11	462.51	462.65	463.19	463.30	462.56	463.29	464.00	463.10	462.69	462.09	462.20	462.16	
	12	462.49	462.64	462.89	463.19	462.63	463.09	463.79	463.09	462.69	462.11	462.09	462.18	
	13	462.49	462.64	462.79	463.21	462.68	462.95	463.60	463.07	462.69	462.11	462.08	462.21	
	14	462.49	462.64	462.90	463.11	462.67	463.13	463.37	463.05	462.62	462.12	462.08	462.23	
	15	462.50	462.64	463.28	462.95	462.70	463.83	463.19	463.09	462.59	462.19	462.08	462.20	
	16	462.50	462.60	463.25	462.96	462.91	463.91	463.40	463.20	462.58	462.39	462.10	462.15	
	17	462.51	462.58	463.05	462.83	462.95	463.77	463.83	463.16	462.55	462.59	462.09	462.22	
	18	462.53	462.60	462.92	462.76	462.76	463.42	463.71	463.04	462.51	462.54	462.22	462.33	
	19	462.54	462.59	462.77	462.76	462.80	463.29	463.46	462.99	462.49	462.63	462.72	462.36	
	20	462.52	462.58	462.68	462.92	462.89	463.62	463.38	462.96	462.49	462.78	463.08	462.25	
	21	462.52	462.59	462.60	463.01	463.21	464.08	463.30	462.93	462.47	462.74	463.05	462.23	
	22	462.50	462.62	462.56	462.92	463.28	463.85	463.31	462.90	462.45	462.69	462.69	462.25	
	23	462.50	462.61	462.55	462.84	462.95	463.57	463.45	462.89	462.44	462.59	462.44	462.27	
	24	462.49	462.59	462.52	462.78	463.31	463.33	463.47	462.88	462.44	462.49	462.29	462.24	
	25	462.51	462.60	462.50	462.73	463.60	463.15	463.41	462.87	462.43	462.44	462.26	462.20	
	26	462.55	462.65	462.52	462.71	463.10	463.18	463.22	462.87	462.41	462.42	462.23	462.18	
	27	462.58	462.75	462.53	462.72	463.00	463.63	463.11	462.86	462.40	462.38	462.21	462.12	
	28	462.57	462.83	462.52	462.72	463.06	464.05	463.07	462.84	462.39	462.29	462.20	462.09	
	29	462.57	462.90	462.51	462.71	462.89	463.65	463.02	462.84	462.30	462.14		462.09	
	30	462.57	462.88	462.49	462.69	462.83	463.41	463.01	462.84	462.14	462.14		462.10	
	31		462.84		462.71	462.76		463.05		462.12	462.14		462.17	
Mean		462.51	462.67	462.77	462.84	462.84	463.28	463.34	463.10	462.55	462.28	462.30	462.21	
Max		462.61	462.90	463.28	463.30	463.60	464.08	464.00	463.62	462.81	462.78	463.08	462.69	464.08
Min		462.30	462.57	462.49	462.48	462.54	462.71	462.94	462.84	462.12	462.05	462.08	462.05	462.05
Annual Max Momentary Gage Height			464.24	m. (MSL.) ,		at 06.00 Hours , on Sep 28, 2021								
Zero Gage at Bottom Elevation			462.83	m. (MSL.) ,		River Bed	461.89	m. (MSL.)						
Left Bank Elevation			468.84	m. (MSL.) ,										
Right Bank Elevation			468.90	m. (MSL.) ,		Drainage Are	1,912	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.70	2.74	7.75	2.02	4.12	5.37	21.05	18.45	6.91	0.39	0.42	0.53	
2	0.70	3.10	6.13	2.02	2.98	4.99	22.68	30.80	6.51	0.33	0.42	0.49	
3	0.90	3.78	5.37	1.82	4.99	5.75	26.15	30.00	6.13	0.26	0.42	0.46	
4	2.38	3.95	4.99	1.74	5.37	5.75	27.20	26.85	5.37	0.28	0.40	0.44	
5	2.38	4.29	5.75	1.74	4.63	5.18	19.43	24.75	5.18	0.30	0.49	0.35	
6	2.98	4.29	6.13	6.32	3.95	5.37	14.91	21.38	5.18	0.28	0.68	0.26	
7	3.27	4.29	5.56	17.80	3.44	5.56	12.79	19.43	4.80	0.32	0.67	0.54	
8	2.62	4.46	5.56	7.12	2.98	6.13	10.72	15.97	4.63	0.32	0.78	4.63	
9	2.38	5.94	8.17	9.52	2.74	10.00	9.76	14.65	4.63	0.33	0.68	1.02	
10	2.14	5.75	15.18	18.13	2.38	17.48	18.45	14.12	4.63	0.37	0.67	0.58	
11	2.02	3.95	16.24	19.75	2.62	19.43	46.50	13.85	4.63	0.33	0.53	0.46	
12	1.82	3.78	8.59	16.24	3.61	13.59	37.60	13.59	4.63	0.37	0.33	0.49	
13	1.82	3.78	6.51	16.83	4.46	10.00	30.00	13.06	4.63	0.37	0.32	0.54	
14	1.82	3.78	8.80	14.12	4.29	14.65	22.03	12.53	3.44	0.39	0.32	0.58	
15	1.90	3.78	19.10	10.00	4.80	39.28	16.24	13.59	2.98	0.51	0.32	0.53	
16	1.90	3.10	18.13	10.24	9.04	42.68	23.00	16.50	2.86	1.06	0.35	0.44	
17	2.02	2.86	12.53	7.33	10.00	36.80	39.28	15.44	2.50	2.98	0.33	0.56	
18	2.26	3.10	9.28	5.94	5.94	23.70	34.40	12.26	2.02	2.38	0.56	0.82	
19	2.38	2.98	6.13	5.94	6.70	19.43	25.10	10.96	1.82	3.61	5.18	0.94	
20	2.14	2.86	4.46	9.28	8.59	30.80	22.35	10.24	1.82	6.32	13.32	0.61	
21	2.14	2.98	3.10	11.47	16.83	50.30	19.75	9.52	1.66	5.56	12.53	0.58	
22	1.90	3.44	2.62	9.28	19.10	40.13	20.08	8.80	1.50	4.63	4.63	0.61	
23	1.90	3.27	2.50	7.54	10.00	28.95	24.75	8.59	1.42	2.98	1.42	0.65	
24	1.82	2.98	2.14	6.32	20.08	20.73	25.45	8.38	1.42	1.82	0.68	0.60	
25	2.02	3.10	1.90	5.37	30.00	15.18	23.35	8.17	1.34	1.42	0.63	0.53	
26	2.50	3.95	2.14	4.99	13.85	15.97	17.15	8.17	1.18	1.26	0.58	0.49	
27	2.86	5.75	2.26	5.18	11.20	31.20	14.12	7.96	1.10	1.02	0.54	0.39	
28	2.74	7.33	2.14	5.18	12.79	48.88	13.06	7.54	1.06	0.68	0.53	0.33	
29	2.74	8.80	2.02	4.99	8.59	32.00	11.73	7.54	0.70	0.42	0.42	0.33	
30	2.74	8.38	1.82	4.63	7.33	23.35	11.47	7.54	0.42	0.42	0.42	0.35	
31		7.54		4.99	5.94		12.53		0.39	0.42		0.47	
Total	63.89	134.08	203.00	253.84	253.34	628.63	673.08	430.63	97.49	42.13	48.73	20.60	

WATER YEAR : 2021

NAM MAE ING RIVER BASIN

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

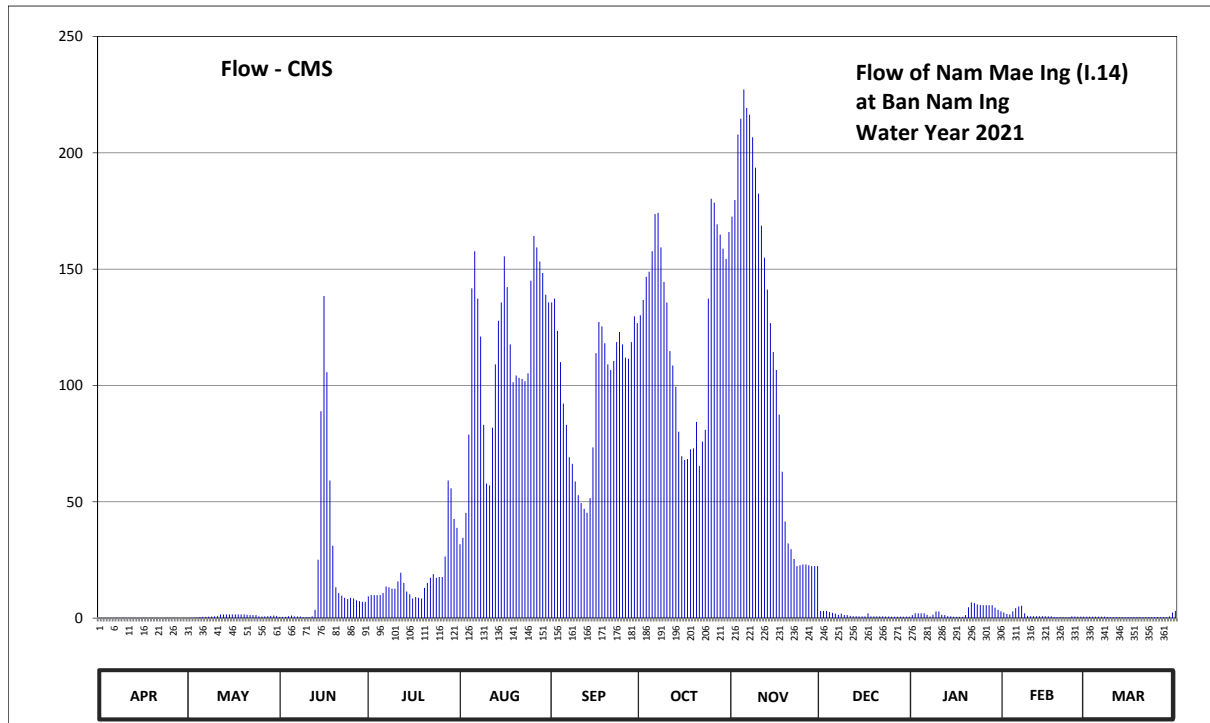
Lat 19 - 50 - 00 N Long 100 - 12 - 03 E

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.		
Type of Gage	Staff gage		
Zero Gage at Bottom	+351.430 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank downstream side at the approach of the bridge.	Elevation	+361.805 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	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 because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Flow effected by the local weir about 100 meters downstream from the gage site. Stage-discharge relation defined by 32 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	351.98	351.97	352.53	352.96	353.65	356.03	355.92	356.70	352.73	352.63	352.70	352.56	
2	352.00	352.00	352.53	352.98	353.73	356.06	356.05	356.83	352.73	352.68	352.66	352.56	
3	352.00	352.13	352.54	352.98	354.03	355.78	356.23	357.33	352.73	352.68	352.65	352.56	
4	352.00	352.35	352.60	352.98	354.83	355.50	356.27	357.45	352.71	352.68	352.72	352.56	
5	352.00	352.51	352.62	352.98	356.14	355.13	356.43	357.67	352.69	352.68	352.78	352.56	
6	352.01	352.54	352.58	353.01	356.43	354.93	356.72	357.53	352.67	352.64	352.81	352.56	
7	352.00	352.54	352.57	353.10	356.06	354.60	356.73	357.48	352.64	352.57	352.82	352.56	
8	352.01	352.55	352.57	353.09	355.73	354.53	356.46	357.31	352.67	352.64	352.68	352.52	
9	352.01	352.57	352.49	353.07	354.93	354.35	356.19	357.08	352.63	352.72	352.61	352.51	
10	352.01	352.59	352.48	353.07	354.33	354.21	356.03	356.88	352.63	352.72	352.60	352.51	
11	352.01	352.61	352.50	353.17	354.31	354.13	355.60	356.63	352.61	352.64	352.60	352.51	
12	352.01	352.65	352.58	353.29	354.90	354.07	355.47	356.38	352.60	352.63	352.60	352.51	
13	352.01	352.65	352.75	353.15	355.48	354.03	355.28	356.13	352.60	352.60	352.60	352.51	
14	352.01	352.65	353.46	353.03	355.87	354.18	354.86	355.85	352.59	352.58	352.60	352.51	
15	352.01	352.65	355.06	352.99	356.03	354.70	354.61	355.59	352.59	352.56	352.60	352.51	
16	351.99	352.65	356.08	352.93	356.39	355.58	354.57	355.43	352.59	352.54	352.59	352.50	
17	351.98	352.65	355.41	352.95	356.15	355.86	354.58	355.03	352.68	352.53	352.58	352.50	
18	351.98	352.65	354.36	352.94	355.66	355.82	354.68	354.45	352.58	352.53	352.52	352.50	
19	351.98	352.65	353.63	352.93	355.32	355.67	354.69	353.93	352.58	352.63	352.49	352.50	
20	351.98	352.65	353.09	353.08	355.38	355.48	354.96	353.66	352.58	352.80	352.49	352.50	
21	351.98	352.64	353.01	353.15	355.36	355.43	354.51	353.59	352.58	352.87	352.48	352.50	
22	351.98	352.63	352.97	353.22	355.35	355.51	354.76	353.47	352.58	352.86	352.49	352.49	
23	351.98	352.63	352.94	353.27	355.33	355.68	354.88	353.38	352.57	352.84	352.49	352.48	
24	351.98	352.63	352.92	353.22	355.40	355.77	356.06	353.39	352.57	352.83	352.58	352.48	
25	351.97	352.58	352.94	353.23	356.20	355.66	356.84	353.40	352.56	352.83	352.57	352.48	
26	351.92	352.57	352.93	353.23	356.55	355.54	356.81	353.40	352.56	352.83	352.56	352.48	
27	351.88	352.59	352.90	353.50	356.46	355.53	356.64	353.39	352.56	352.83	352.56	352.48	
28	351.88	352.60	352.89	354.36	356.35	355.68	356.56	353.38	352.56	352.83	352.56	352.49	
29	351.88	352.61	352.88	354.28	356.26	355.91	356.45	353.38	352.56	352.79		352.58	
30	351.88	352.62	352.88	353.96	356.09	355.85	356.37	353.38	352.56	352.75		352.70	
31		352.61		353.85	356.03		356.58		352.56	352.72		352.73	
Mean	351.98	352.55	353.12	353.22	355.51	355.24	355.77	355.32	352.61	352.70	352.61	352.53	
Max	352.01	352.65	356.08	354.36	356.55	356.06	356.84	357.67	352.73	352.87	352.82	352.73	357.67
Min	351.88	351.97	352.48	352.93	353.65	354.03	354.51	353.38	352.56	352.53	352.48	352.48	351.88
Annual Max Momentary Gage Height	357.73	m. (MSL.) ,		at 06.00 Hours , on Nov 5, 2021									
Zero Gage at Bottom Elevation	351.43	m. (MSL.) ,		River Bed		350.67	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.04	0.04	0.52	9.34	31.75	135.65	130.16	172.50	3.09	1.28	2.40	0.64	
2	0.05	0.05	0.52	9.92	34.55	137.30	136.75	179.65	3.09	2.08	1.76	0.64	
3	0.05	0.12	0.56	9.92	45.26	123.44	146.65	207.81	3.09	2.08	1.60	0.64	
4	0.05	0.25	0.80	9.92	78.86	110.00	148.85	214.65	2.63	2.08	2.86	0.64	
5	0.05	0.44	1.12	9.92	141.70	92.24	157.65	227.19	2.24	2.08	4.24	0.64	
6	0.06	0.56	0.72	10.81	157.65	83.06	173.60	219.21	1.92	1.44	4.99	0.64	
7	0.05	0.56	0.68	13.60	137.30	69.20	174.15	216.36	1.44	0.68	5.28	0.64	
8	0.06	0.60	0.68	13.29	121.04	66.26	159.30	206.67	1.92	1.44	2.08	0.48	
9	0.06	0.68	0.39	12.67	83.06	58.70	144.45	193.56	1.28	2.86	0.96	0.44	
10	0.06	0.76	0.38	12.67	57.86	52.82	135.65	182.40	1.28	2.86	0.80	0.44	
11	0.06	0.96	0.40	15.77	57.02	49.46	114.80	168.65	0.96	1.44	0.80	0.44	
12	0.06	1.60	0.72	19.54	81.80	46.94	108.56	154.90	0.80	1.28	0.80	0.44	
13	0.06	1.60	3.55	15.15	109.04	45.26	99.44	141.15	0.80	0.80	0.80	0.44	
14	0.06	1.60	25.10	11.43	127.76	51.56	80.12	126.80	0.76	0.72	0.80	0.44	
15	0.06	1.60	88.88	10.21	135.65	73.40	69.62	114.32	0.76	0.64	0.80	0.44	
16	0.05	1.60	138.40	8.47	155.45	113.84	67.94	106.64	0.76	0.56	0.76	0.40	
17	0.04	1.60	105.68	9.05	142.25	127.28	68.36	87.44	2.08	0.52	0.72	0.40	
18	0.04	1.60	59.12	8.76	117.68	125.36	72.56	62.90	0.72	0.52	0.48	0.40	
19	0.04	1.60	31.05	8.47	101.36	118.16	72.98	41.55	0.72	1.28	0.39	0.40	
20	0.04	1.60	13.29	12.98	104.24	109.04	84.32	32.10	0.72	4.70	0.39	0.40	
21	0.04	1.44	10.81	15.15	103.28	106.64	65.42	29.65	0.72	6.73	0.38	0.40	
22	0.04	1.28	9.63	17.33	102.80	110.48	75.92	25.45	0.72	6.44	0.39	0.39	
23	0.04	1.28	8.76	18.91	101.84	118.64	80.96	22.37	0.68	5.86	0.39	0.38	
24	0.04	1.28	8.18	17.33	105.20	122.96	137.30	22.69	0.68	5.57	0.72	0.38	
25	0.04	0.72	8.76	17.65	145.00	117.68	180.20	23.00	0.64	5.57	0.68	0.38	
26	0.03	0.68	8.47	17.65	164.25	111.92	178.55	23.00	0.64	5.57	0.64	0.38	
27	0.02	0.76	7.60	26.50	159.30	111.44	169.20	22.69	0.64	5.57	0.64	0.38	
28	0.02	0.80	7.31	59.12	153.25	118.64	164.80	22.37	0.64	5.57	0.64	0.39	
29	0.02	0.96	7.02	55.76	148.30	129.68	158.75	22.37	0.64	4.47		0.72	
30	0.02	1.12	7.02	42.60	138.95	126.80	154.35	22.37	0.64	3.55		2.40	
31		0.96		38.75	135.65		165.90		0.64	2.86		3.09	
Total	1.35	30.70	556.12	558.64	3479.10	2963.85	3877.26	3292.41	38.34	89.10	38.19	19.33	14944.39 CMSDAY
Mean	0.05	0.99	18.54	18.02	112.23	98.80	125.07	109.75	1.24	2.87	1.36	0.62	40.94 CMS
Max	0.06	1.60	138.40	59.12	164.25	137.30	180.20	227.19	3.09	6.73	5.28	3.09	227.19 CMS
Min	0.02	0.04	0.38	8.47	31.75	45.26	65.42	22.37	0.64	0.52	0.38	0.38	0.02 CMS
Runoff	0.12	2.65	48.05	48.27	300.59	256.08	335.00	284.46	3.31	7.70	3.30	1.67	1291.20 MCM
Momentary Peak	230.61 CMS. at 357.73 m. (MSL.) at 06.00 Hours , on Nov 5, 2021												
Runoff Yield	6.58	Liters/Second/Square KM.		Momentary Peak Yield		37.08	Liters/Second/Square KM.						

WATER YEAR : 2021

NAM MAE ING RIVER BASIN

Nam Mae Ing at Ban Jae Dee Ngam , Phayao (1.17)

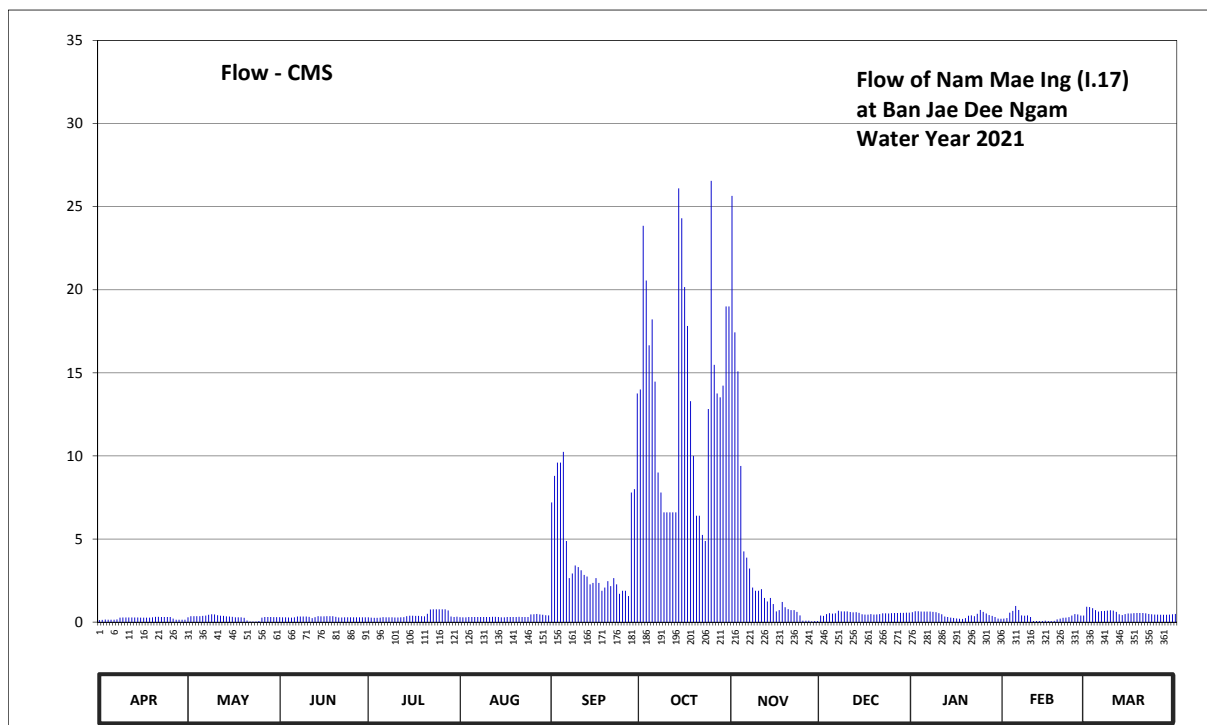
Lat 19 - 09 - 57 N Long 99 - 56 - 04 E

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	Staff gage		
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	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	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 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	386.84	387.17	387.19	387.17	387.19	387.66	387.97	388.27	387.38	387.60	387.01	387.92	
2	386.86	387.32	387.17	387.13	387.17	387.74	388.23	388.07	387.34	387.65	387.08	387.90	
3	386.89	387.31	387.17	387.11	387.18	387.78	388.15	388.01	387.48	387.65	387.57	387.84	
4	386.88	387.31	387.15	387.11	387.22	387.78	388.05	387.77	387.54	387.63	387.67	387.72	
5	386.87	387.31	387.13	387.13	387.22	387.81	388.09	387.46	387.51	387.63	387.97	387.63	
6	386.87	387.33	387.17	387.20	387.22	387.51	387.99	387.43	387.53	387.63	387.73	387.66	
7	386.92	387.38	387.27	387.17	387.22	387.31	387.75	387.37	387.68	387.63	387.39	387.67	
8	387.13	387.44	387.27	387.17	387.22	387.34	387.69	387.25	387.64	387.62	387.35	387.69	
9	387.16	387.47	387.27	387.17	387.22	387.39	387.63	387.23	387.64	387.60	387.40	387.71	
10	387.16	387.46	387.28	387.15	387.22	387.38	387.63	387.23	387.64	387.54	387.21	387.69	
11	387.15	387.41	387.23	387.16	387.22	387.36	387.63	387.24	387.61	387.47	386.48	387.62	
12	387.15	387.35	387.08	387.17	387.23	387.33	387.63	387.15	387.59	387.28	386.47	387.47	
13	387.15	387.34	387.20	387.20	387.23	387.32	387.63	387.08	387.60	387.21	386.47	387.42	
14	387.15	387.29	387.31	387.31	387.21	387.27	388.28	387.15	387.56	387.14	386.50	387.48	
15	387.13	387.27	387.30	387.35	387.17	387.28	388.24	387.03	387.47	387.10	386.67	387.52	
16	387.13	387.24	387.29	387.35	387.18	387.31	388.14	386.64	387.45	387.03	386.48	387.52	
17	387.13	387.17	387.31	387.34	387.22	387.28	388.08	386.72	387.45	386.99	386.47	387.54	
18	387.13	387.17	387.31	387.33	387.22	387.23	387.94	387.07	387.48	386.98	386.57	387.55	
19	387.17	387.17	387.31	387.32	387.22	387.25	387.80	386.89	387.45	387.07	386.91	387.55	
20	387.23	387.12	387.23	387.29	387.22	387.29	387.62	386.78	387.46	387.35	387.02	387.55	
21	387.23	386.77	387.15	387.50	387.23	387.26	387.62	386.72	387.48	387.40	387.12	387.53	
22	387.22	386.22	387.16	387.76	387.22	387.31	387.54	386.72	387.53	387.32	387.14	387.49	
23	387.21	386.22	387.17	387.77	387.21	387.27	387.51	386.62	387.53	387.50	387.19	387.47	
24	387.21	386.23	387.17	387.77	387.21	387.21	387.92	386.40	387.52	387.73	387.37	387.45	
25	387.21	386.50	387.17	387.77	387.46	387.23	388.29	386.07	387.54	387.62	387.48	387.45	
26	387.01	387.14	387.17	387.77	387.47	387.23	388.02	386.07	387.55	387.52	387.46	387.44	
27	386.87	387.21	387.17	387.77	387.49	387.19	387.96	386.07	387.55	387.42	387.37	387.44	
28	386.88	387.21	387.17	387.70	387.46	387.69	387.95	386.25	387.56	387.33	387.37	387.44	
29	386.87	387.21	387.17	387.28	387.44	387.70	387.98	386.46	387.56	387.22		387.45	
30	386.87	387.19	387.17	387.22	387.41	387.96	388.11	386.47	387.57	387.02		387.47	
31		387.19		387.26	387.39		388.11		387.57	387.00		387.49	
Mean	387.06	387.13	387.21	387.35	387.26	387.42	387.91	386.99	387.53	387.38	387.10	387.57	
Max	387.23	387.47	387.31	387.77	387.49	387.96	388.29	388.27	387.68	387.73	387.97	387.92	388.29
Min	386.84	386.22	387.08	387.11	387.17	387.19	387.51	386.07	387.34	386.98	386.47	387.42	386.07
Annual Max Momentary Gage Height	388.50		m. (MSL.) ,				at 06.00 Hours ,	on Oct 25, 2021					
Zero Gage at Bottom Elevation	386.27		m. (MSL.) ,				River Bed	384.75	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.12	0.29	0.30	0.29	0.30	7.20	14.00	25.65	0.39	0.60	0.21	0.92	
2	0.13	0.36	0.29	0.27	0.29	8.80	23.85	17.43	0.37	0.65	0.24	0.90	
3	0.15	0.36	0.29	0.26	0.29	9.60	20.55	15.09	0.48	0.65	0.57	0.84	
4	0.14	0.36	0.28	0.26	0.31	9.60	16.65	9.40	0.54	0.63	0.67	0.72	
5	0.14	0.36	0.27	0.27	0.31	10.24	18.21	4.25	0.51	0.63	0.97	0.63	
6	0.14	0.37	0.29	0.30	0.31	4.88	14.47	3.88	0.53	0.63	0.73	0.66	
7	0.16	0.39	0.34	0.29	0.31	2.65	9.00	3.22	0.68	0.63	0.40	0.67	
8	0.27	0.44	0.34	0.29	0.31	2.93	7.80	2.08	0.64	0.62	0.38	0.69	
9	0.28	0.47	0.34	0.29	0.31	3.41	6.60	1.89	0.64	0.60	0.40	0.71	
10	0.28	0.46	0.34	0.28	0.31	3.31	6.60	1.89	0.64	0.54	0.31	0.69	
11	0.28	0.41	0.32	0.28	0.31	3.12	6.60	1.98	0.61	0.47	0.07	0.62	
12	0.28	0.38	0.24	0.29	0.32	2.84	6.60	1.45	0.59	0.34	0.07	0.47	
13	0.28	0.37	0.30	0.30	0.32	2.74	6.60	1.24	0.60	0.31	0.07	0.42	
14	0.28	0.35	0.36	0.36	0.31	2.27	26.10	1.45	0.56	0.27	0.07	0.48	
15	0.27	0.34	0.35	0.38	0.29	2.36	24.30	1.09	0.47	0.25	0.09	0.52	
16	0.27	0.32	0.35	0.38	0.29	2.65	20.16	0.64	0.45	0.22	0.07	0.52	
17	0.27	0.29	0.36	0.37	0.31	2.36	17.82	0.72	0.45	0.20	0.07	0.54	
18	0.27	0.29	0.36	0.37	0.31	1.89	13.29	1.21	0.48	0.19	0.08	0.55	
19	0.29	0.29	0.36	0.36	0.31	2.08	10.00	0.89	0.45	0.24	0.16	0.55	
20	0.32	0.26	0.32	0.35	0.31	2.46	6.40	0.78	0.46	0.38	0.21	0.55	
21	0.32	0.10	0.28	0.50	0.32	2.17	6.40	0.72	0.48	0.40	0.26	0.53	
22	0.31	0.04	0.28	0.76	0.31	2.65	5.25	0.72	0.53	0.36	0.27	0.49	
23	0.31	0.04	0.29	0.77	0.31	2.27	4.88	0.62	0.53	0.50	0.30	0.47	
24	0.31	0.04	0.29	0.77	0.31	1.70	12.82	0.40	0.52	0.73	0.39	0.45	
25	0.31	0.07	0.29	0.77	0.46	1.89	26.55	0.09	0.54	0.62	0.48	0.45	
26	0.21	0.27	0.29	0.77	0.47	1.89	15.48	0.09	0.55	0.52	0.46	0.44	
27	0.14	0.31	0.29	0.77	0.49	1.57	13.76	0.09	0.55	0.42	0.39	0.44	
28	0.14	0.31	0.29	0.70	0.46	7.80	13.53	0.05	0.56	0.37	0.39	0.44	
29	0.14	0.31	0.29	0.34	0.44	8.00	14.23	0.07	0.56	0.31		0.45	
30	0.14	0.30	0.29	0.31	0.41	13.76	18.99	0.07	0.57	0.21		0.47	
31		0.30		0.33	0.40		18.99		0.57	0.20		0.49	
Total	6.95	9.25	9.28	13.03	10.51	131.09	426.48	99.15	16.50	13.69	8.78	17.77	762.48 CMSDAY
Mean	0.23	0.30	0.31	0.42	0.34	4.37	13.76	3.31	0.53	0.44	0.31	0.57	2.09 CMS
Max	0.32	0.47	0.36	0.77	0.49	13.76	26.55	25.65	0.68	0.73	0.97	0.92	26.55 CMS
Min	0.12	0.04	0.24	0.26	0.29	1.57	4.88	0.05	0.37	0.19	0.07	0.42	0.04 CMS
Runoff	0.60	0.80	0.80	1.13	0.91	11.33	36.85	8.57	1.43	1.18	0.76	1.54	65.88 MCM
Momentary Peak	36.50 CMS. at 388.50 m. (MSL.) at 06.00 Hours , on Oct 25, 2021												
Runoff Yield	1.60	Liters/Second/Square KM.		Momentary Peak Yield		28.01	Liters/Second/Square KM.						

WATER YEAR : 2021**KHONG RIVER BASIN****Nam Mae Kham at Ban Mae Kham Lak Chet , Chiang Rai (Kh.72)**

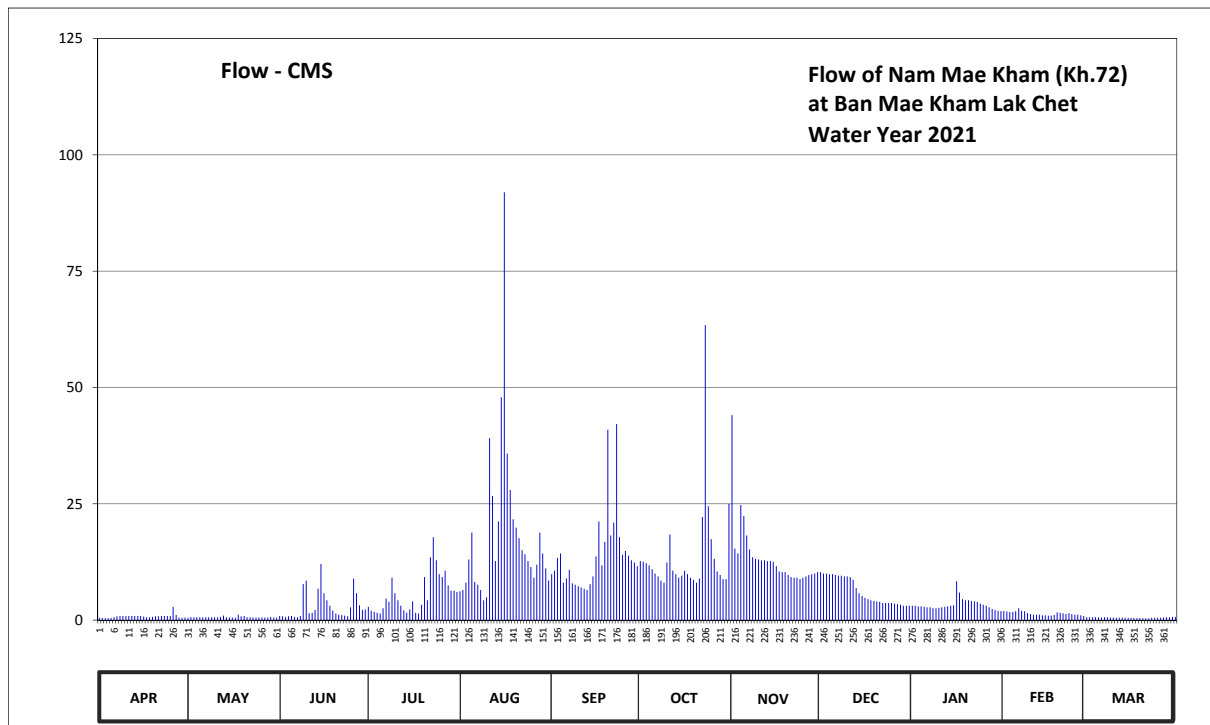
Lat 20 - 13 - 07 N Long 99 - 51 - 25 E

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
Drainage Area	652	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+393.400 m. (MSL.)					
Bench Mark	B.M.- H.D.					
Location BM	On right bank about 20 meters from the top staff gage.				Elevation	+399.176 m. (MSL.)
Gage Reading Frequency	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. Flow effected by the bridge of Chiang Rai - Mae Sai Highway construction. Stage-discharge relation defined by 36 discharge measurements made in 2021.					

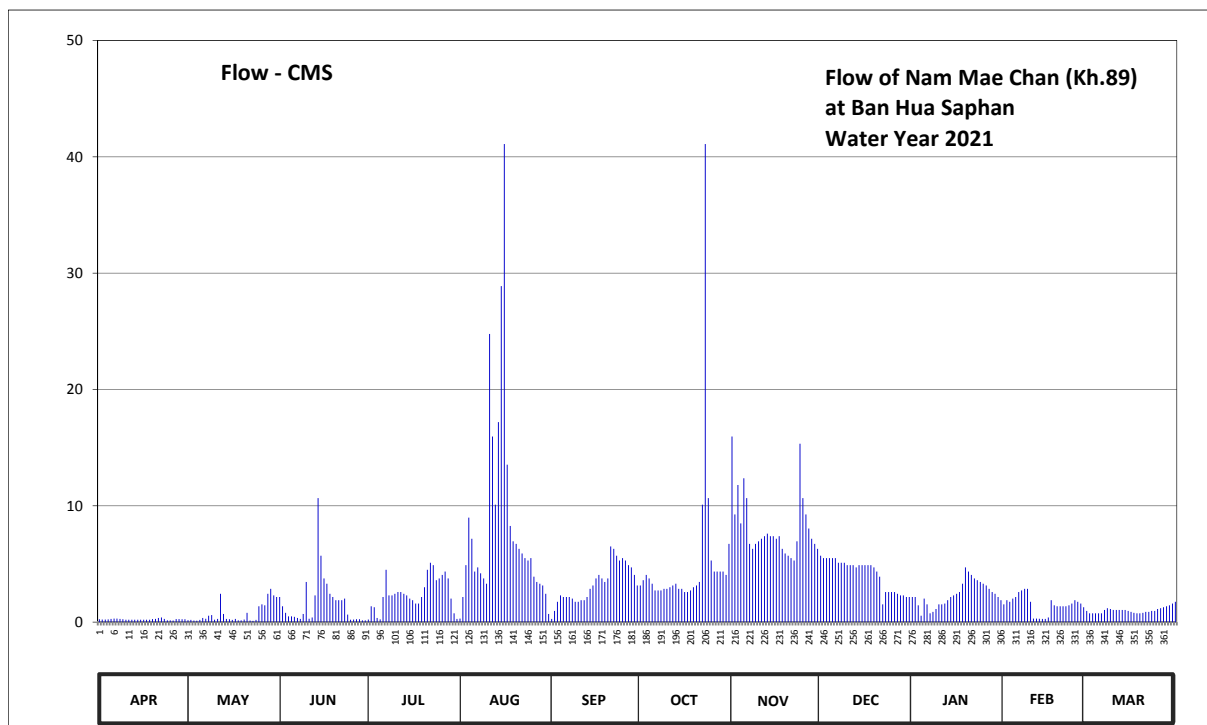
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	393.58	393.58	393.64	393.86	394.12	394.37	394.55	395.83	394.40	393.88	393.77	393.60	
2	393.57	393.60	393.63	393.78	394.14	394.42	394.54	394.71	394.38	393.88	393.76	393.60	
3	393.55	393.60	393.61	393.75	394.25	394.59	394.52	394.65	394.38	393.87	393.75	393.60	
4	393.55	393.60	393.63	393.73	394.57	394.65	394.49	395.15	394.37	393.87	393.75	393.60	
5	393.57	393.60	393.64	393.71	394.89	394.25	394.44	395.05	394.37	393.86	393.77	393.60	
6	393.60	393.60	393.61	393.83	394.26	394.31	394.38	394.86	394.36	393.85	393.83	393.59	
7	393.63	393.60	393.60	394.01	394.22	394.43	394.34	394.70	394.35	393.85	393.78	393.60	
8	393.64	393.60	393.64	393.95	394.14	394.24	394.28	394.60	394.35	393.83	393.77	393.60	
9	393.64	393.60	394.23	394.32	393.98	394.22	394.25	394.58	394.34	393.83	393.72	393.59	
10	393.64	393.60	394.28	394.09	394.03	394.20	394.53	394.57	394.34	393.84	393.70	393.59	
11	393.64	393.60	393.72	393.98	395.67	394.18	394.87	394.56	394.33	393.85	393.68	393.58	
12	393.64	393.61	393.73	393.88	395.23	394.16	394.42	394.56	394.29	393.86	393.68	393.58	
13	393.64	393.65	393.80	393.79	394.55	394.14	394.37	394.55	394.17	393.87	393.68	393.58	
14	393.64	393.60	394.16	393.73	395.00	394.23	394.32	394.55	394.09	393.88	393.66	393.58	
15	393.64	393.59	394.51	393.81	395.94	394.34	394.35	394.54	394.05	393.89	393.66	393.57	
16	393.62	393.59	394.09	393.96	396.89	394.61	394.42	394.48	394.02	394.27	393.65	393.57	
17	393.60	393.59	393.98	393.73	395.56	395.00	394.37	394.41	394.00	394.10	393.65	393.56	
18	393.60	393.68	393.88	393.71	395.28	394.49	394.32	394.40	393.98	394.00	393.67	393.56	
19	393.61	393.63	393.78	393.90	395.02	394.79	394.29	394.40	393.97	393.98	393.74	393.56	
20	393.63	393.64	393.71	394.33	394.94	395.73	394.25	394.36	393.96	393.98	393.73	393.55	
21	393.63	393.60	393.68	393.98	394.83	394.86	394.31	394.33	393.95	393.97	393.72	393.55	
22	393.64	393.60	393.67	394.60	394.69	394.99	395.04	394.32	393.93	393.96	393.70	393.55	
23	393.64	393.59	393.65	394.84	394.64	395.77	396.32	394.32	393.93	393.95	393.72	393.58	
24	393.64	393.59	393.63	394.56	394.55	394.84	395.14	394.30	393.93	393.92	393.70	393.58	
25	393.64	393.59	393.85	394.37	394.47	394.63	394.82	394.32	393.93	393.90	393.68	393.58	
26	393.86	393.59	394.31	394.33	394.32	394.68	394.58	394.34	393.92	393.88	393.68	393.58	
27	393.67	393.59	394.09	394.42	394.50	394.62	394.41	394.36	393.91	393.85	393.66	393.59	
28	393.59	393.59	393.89	394.21	394.89	394.56	394.36	394.37	393.90	393.82	393.64	393.60	
29	393.58	393.61	393.80	394.13	394.65	394.53	394.30	394.38	393.88	393.80		393.60	
30	393.59	393.59	393.81	394.13	394.45	394.48	394.30	394.40	393.88	393.78		393.61	
31		393.59		394.11	394.28		395.16		393.88	393.77		393.61	
Mean	393.62	393.60	393.84	394.05	394.74	394.58	394.55	394.56	394.11	393.90	393.71	393.58	
Max	393.86	393.68	394.51	394.84	396.89	395.77	396.32	395.83	394.40	394.27	393.83	393.61	396.89
Min	393.55	393.58	393.60	393.71	393.98	394.14	394.25	394.30	393.88	393.77	393.64	393.55	393.55
Annual Max Momentary Gage Height	397.60	m. (MSL.) ,		at 09:00 Hours , on Aug 16, 2021									
Zero Gage at Bottom Elevation	393.40	m. (MSL.) ,		River Bed		393.30	m. (MSL.)						
Left Bank Elevation		399.79	m. (MSL.) ,										
Right Bank Elevation		399.73	m. (MSL.) ,		Drainage Are	652	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.52	0.52	0.88	2.86	6.18	9.85	12.70	44.05	10.30	3.08	1.93	0.60		
2	0.48	0.60	0.81	2.02	6.46	10.62	12.54	15.38	10.00	3.08	1.84	0.60		
3	0.40	0.60	0.67	1.75	8.05	13.34	12.22	14.35	10.00	2.97	1.75	0.60		
4	0.40	0.60	0.81	1.57	13.02	14.35	11.74	24.73	9.85	2.97	1.75	0.60		
5	0.48	0.60	0.88	1.39	18.80	8.05	10.94	22.38	9.85	2.86	1.93	0.60		
6	0.60	0.60	0.67	2.53	8.20	8.95	10.00	18.20	9.70	2.75	2.53	0.56		
7	0.81	0.60	0.60	4.64	7.60	10.78	9.40	15.20	9.55	2.75	2.02	0.60		
8	0.88	0.60	0.88	3.90	6.46	7.90	8.50	13.50	9.55	2.53	1.93	0.60		
9	0.88	0.60	7.75	9.10	4.26	7.60	8.05	13.18	9.40	2.53	1.48	0.56		
10	0.88	0.60	8.50	5.76	4.92	7.30	12.38	13.02	9.40	2.64	1.30	0.56		
11	0.88	0.60	1.48	4.26	39.10	7.02	18.40	12.86	9.25	2.75	1.16	0.52		
12	0.88	0.67	1.57	3.08	26.67	6.74	10.62	12.86	8.65	2.86	1.16	0.52		
13	0.88	0.95	2.20	2.11	12.70	6.46	9.85	12.70	6.88	2.97	1.16	0.52		
14	0.88	0.60	6.74	1.57	21.20	7.75	9.10	12.70	5.76	3.08	1.02	0.52		
15	0.88	0.56	12.06	2.31	47.90	9.40	9.55	12.54	5.20	3.19	1.02	0.48		
16	0.74	0.56	5.76	4.02	91.95	13.67	10.62	11.58	4.78	8.35	0.95	0.48		
17	0.60	0.56	4.26	1.57	35.80	21.20	9.85	10.46	4.50	5.90	0.95	0.44		
18	0.60	1.16	3.08	1.39	27.94	11.74	9.10	10.30	4.26	4.50	1.09	0.44		
19	0.67	0.81	2.02	3.30	21.67	16.82	8.65	10.30	4.14	4.26	1.66	0.44		
20	0.81	0.88	1.39	9.25	19.88	40.90	8.05	9.70	4.02	4.26	1.57	0.40		
21	0.81	0.60	1.16	4.26	17.60	18.20	8.95	9.25	3.90	4.14	1.48	0.40		
22	0.88	0.60	1.09	13.50	15.03	20.98	22.14	9.10	3.66	4.02	1.30	0.40		
23	0.88	0.56	0.95	17.80	14.18	42.10	63.40	9.10	3.66	3.90	1.48	0.52		
24	0.88	0.56	0.81	12.86	12.70	17.80	24.49	8.80	3.66	3.54	1.30	0.52		
25	0.88	0.56	2.75	9.85	11.42	14.01	17.40	9.10	3.66	3.30	1.16	0.52		
26	2.86	0.56	8.95	9.25	9.10	14.86	13.18	9.40	3.54	3.08	1.16	0.52		
27	1.09	0.56	5.76	10.62	11.90	13.84	10.46	9.70	3.42	2.75	1.02	0.56		
28	0.56	0.56	3.19	7.45	18.80	12.86	9.70	9.85	3.30	2.42	0.88	0.60		
29	0.52	0.67	2.20	6.32	14.35	12.38	8.80	10.00	3.08	2.20		0.60		
30	0.56	0.56	2.31	6.32	11.10	11.58	8.80	10.30	3.08	2.02		0.67		
31		0.56		6.04	8.50		24.96		3.08	1.93		0.67		
Total	24.07	19.62	92.18	172.65	573.44	419.05	424.54	404.59	193.08	103.58	39.98	16.62	2483.40	CMSDAY
Mean	0.80	0.63	3.07	5.57	18.50	13.97	13.69	13.49	6.23	3.34	1.43	0.54	6.80	CMS
Max	2.86	1.16	12.06	17.80	91.95	42.10	63.40	44.05	10.30	8.35	2.53	0.67	91.95	CMS
Min	0.40	0.52	0.60	1.39	4.26	6.46	8.05	8.80	3.08	1.93	0.88	0.40	0.40	CMS
Runoff	2.08	1.70	7.96	14.92	49.55	36.21	36.68	34.96	16.68	8.95	3.45	1.44	214.57	MCM
Momentary Peak	134.50	CMS. at 397.60 m. (MSL.) at 09.00 Hours , on Aug 16, 2021												
Runoff Yield	10.44	Liters/Second/Square KM.				Momentary Peak Yield		206.29	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.25	0.16	2.16	0.22	0.30	0.28	3.15	15.95	5.70	2.16	1.52	0.96	
2	0.22	0.19	1.36	1.36	2.16	0.96	3.60	9.26	5.50	2.16	1.88	0.75	
3	0.22	0.14	0.80	1.28	4.90	1.74	4.05	11.79	5.50	1.44	1.74	0.75	
4	0.23	0.12	0.50	0.35	8.98	2.30	3.75	8.48	5.50	0.55	2.02	0.75	
5	0.27	0.19	0.50	0.23	7.16	2.16	3.30	12.37	5.50	2.02	2.16	0.75	
6	0.30	0.35	0.45	2.16	4.35	2.16	2.72	10.66	5.50	1.52	2.58	0.75	
7	0.30	0.29	0.35	4.50	4.70	2.16	2.72	6.72	5.10	0.75	2.72	1.04	
8	0.28	0.55	0.28	2.30	4.20	2.02	2.72	6.30	5.10	0.88	2.86	1.20	
9	0.24	0.60	0.70	2.30	3.75	1.74	2.86	6.72	5.10	1.12	2.86	1.12	
10	0.20	0.20	3.45	2.44	3.30	1.74	2.86	6.94	4.90	1.52	1.74	1.04	
11	0.20	0.27	0.29	2.58	24.77	1.88	3.00	7.16	4.90	1.52	0.30	1.04	
12	0.20	2.44	0.40	2.58	15.95	1.88	3.15	7.38	4.90	1.60	0.30	1.04	
13	0.20	0.70	2.30	2.44	10.10	2.16	3.30	7.60	4.70	1.88	0.29	1.04	
14	0.20	0.27	10.66	2.30	17.19	2.86	2.86	7.38	4.90	2.16	0.27	1.04	
15	0.20	0.24	5.70	2.02	28.88	3.15	2.86	7.38	4.90	2.30	0.27	0.96	
16	0.20	0.19	3.75	1.88	41.10	3.75	2.58	7.16	4.90	2.44	0.40	0.88	
17	0.20	0.28	3.30	1.60	13.53	4.05	2.58	7.38	4.90	2.58	1.88	0.80	
18	0.21	0.15	2.44	1.60	8.26	3.75	2.72	6.30	4.90	3.30	1.44	0.75	
19	0.26	0.15	2.16	2.16	6.94	3.45	3.00	5.90	4.70	4.70	1.36	0.75	
20	0.28	0.22	1.88	3.00	6.72	3.75	3.15	5.70	4.35	4.35	1.36	0.80	
21	0.35	0.80	1.88	4.50	6.30	6.50	3.45	5.50	3.90	4.05	1.36	0.88	
22	0.40	0.13	1.88	5.10	5.90	6.30	10.10	5.30	1.52	3.75	1.36	0.88	
23	0.27	0.11	2.02	4.90	5.50	5.70	41.10	6.94	2.58	3.60	1.44	0.96	
24	0.15	0.19	0.65	3.60	5.30	5.30	10.66	15.33	2.58	3.45	1.60	0.96	
25	0.15	1.36	0.20	3.75	5.50	5.50	5.30	10.66	2.58	3.30	1.88	1.12	
26	0.14	1.52	0.22	4.05	3.90	5.30	4.35	9.26	2.58	3.15	1.74	1.20	
27	0.26	1.44	0.25	4.35	3.45	4.90	4.35	8.04	2.44	2.86	1.60	1.28	
28	0.26	2.44	0.25	3.75	3.30	4.70	4.35	7.16	2.30	2.58	1.28	1.36	
29	0.25	2.86	0.15	2.02	3.15	4.05	4.35	6.72	2.30	2.44		1.44	
30	0.24	2.30	0.15	0.75	2.44	3.15	4.05	6.30	2.16	2.16		1.60	
31		2.16		0.27	0.70		6.72		2.16	1.88		1.74	
Total	7.13	23.01	51.08	76.34	262.68	99.34	159.71	245.74	128.55	74.17	42.21	31.63	1201.59 CMSDAY
Mean	0.24	0.74	1.70	2.46	8.47	3.31	5.15	8.19	4.15	2.39	1.51	1.02	3.29 CMS
Max	0.40	2.86	10.66	5.10	41.10	6.50	41.10	15.95	5.70	4.70	2.86	1.74	41.10 CMS
Min	0.14	0.11	0.15	0.22	0.30	0.28	2.58	5.30	1.52	0.55	0.27	0.75	0.11 CMS
Runoff	0.62	1.99	4.41	6.60	22.70	8.58	13.80	21.23	11.11	6.41	3.65	2.73	103.82 MCM
Momentary Peak	66.77 CMS. at 408.69 m. (MSL.) at 19.00 Hours , on Aug 11, 2021												
Runoff Yield	12.96	Liters/Second/Square KM.		Momentary Peak Yield		262.87		Liters/Second/Square KM.					

WATER YEAR : 2021

KHONG RIVER BASIN

Nam Kam at Ban Nong Sala, Sakon Nakhon (Kh.9A)

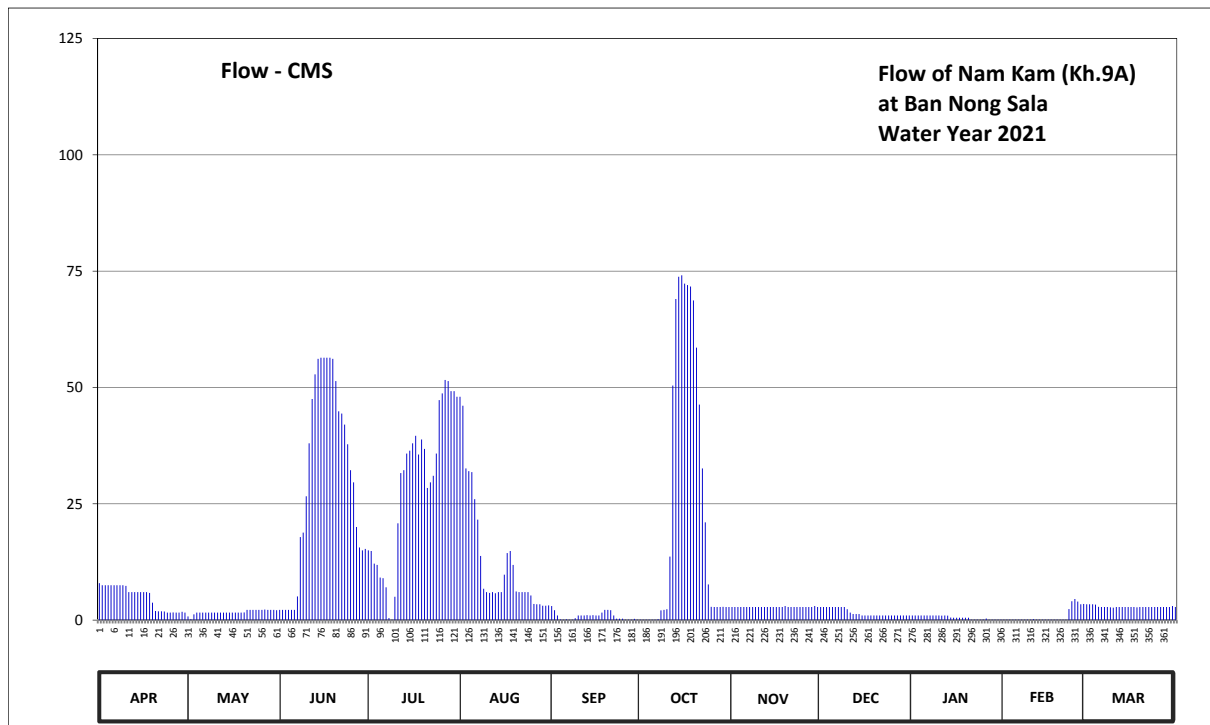
Lat 17 - 08 - 50 N Long 104 - 17 - 24 E

Location : on right bank Ban Nong Sala.

	Ban Nong Sala	Amphoe Phon Na Kaeo	Changwat Sakon Nakhon
Drainage 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 32 discharge measurements made in 2021.		

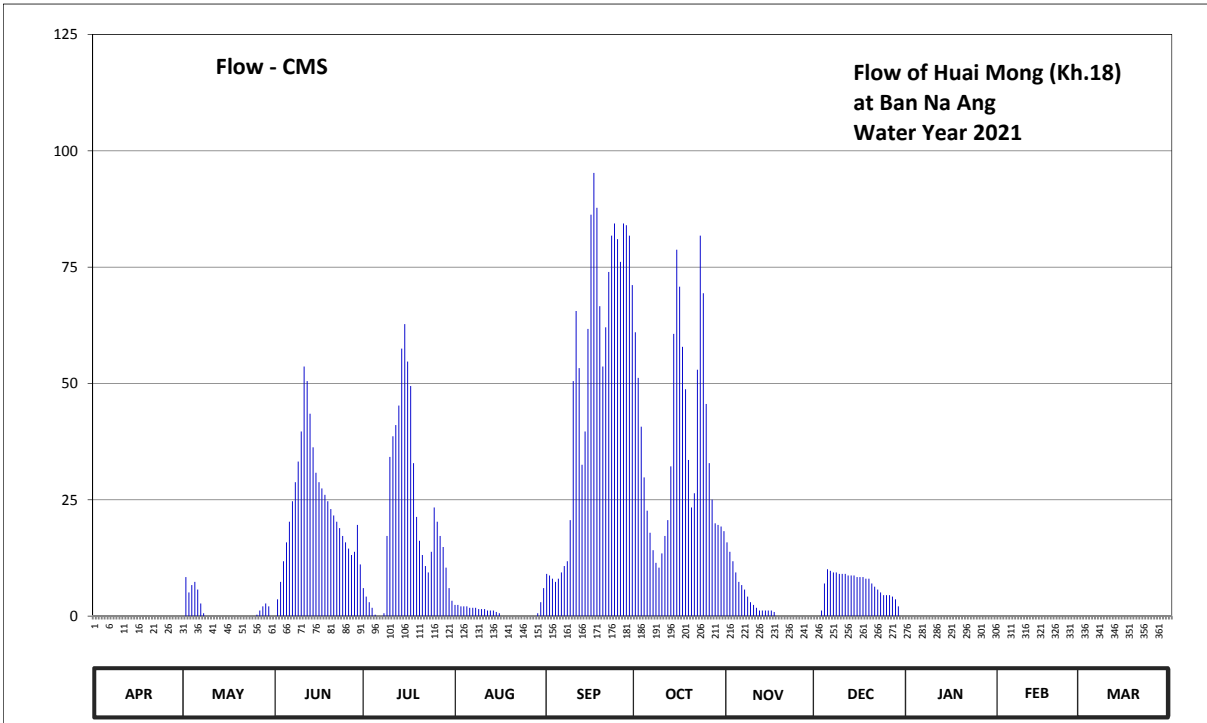
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	152.13	151.16	151.40	152.60	154.25	151.54	151.00	151.50	151.50	151.20	151.00	151.60	
2	152.10	151.03	151.40	152.59	154.17	151.39	151.00	151.50	151.50	151.20	151.00	151.60	
3	152.10	151.24	151.40	152.41	153.53	151.20	151.00	151.50	151.50	151.20	151.00	151.60	
4	152.10	151.30	151.40	152.39	153.50	151.01	151.00	151.50	151.50	151.20	151.00	151.59	
5	152.10	151.30	151.40	152.21	153.49	151.00	151.00	151.50	151.50	151.20	151.00	151.51	
6	152.10	151.30	151.40	152.20	153.20	151.02	151.00	151.50	151.50	151.20	151.00	151.50	
7	152.10	151.30	151.88	152.07	152.98	151.00	151.03	151.50	151.50	151.20	151.00	151.50	
8	152.10	151.30	152.79	151.09	152.52	151.00	151.38	151.50	151.50	151.20	151.00	151.50	
9	152.10	151.30	152.84	151.00	152.05	151.08	151.40	151.50	151.50	151.20	151.00	151.49	
10	152.09	151.30	153.23	151.87	152.00	151.20	151.42	151.50	151.42	151.20	151.00	151.48	
11	152.00	151.30	153.80	152.94	151.98	151.20	152.51	151.50	151.30	151.19	151.03	151.50	
12	152.00	151.30	154.23	153.48	152.00	151.20	154.35	151.50	151.25	151.20	151.00	151.50	
13	152.00	151.30	154.45	153.51	151.97	151.21	155.10	151.50	151.25	151.19	151.00	151.50	
14	152.00	151.30	154.59	153.69	152.00	151.20	155.26	151.50	151.25	151.11	151.00	151.50	
15	152.00	151.30	154.60	153.72	152.00	151.21	155.27	151.50	151.20	151.10	151.00	151.50	
16	152.00	151.30	154.60	153.80	152.25	151.20	155.21	151.50	151.20	151.10	151.00	151.50	
17	152.00	151.30	154.60	153.88	152.56	151.20	155.20	151.50	151.20	151.10	151.00	151.50	
18	151.98	151.30	154.60	153.68	152.59	151.30	155.19	151.50	151.20	151.10	151.00	151.49	
19	151.66	151.30	154.59	153.84	152.39	151.40	155.09	151.54	151.20	151.10	151.00	151.50	
20	151.36	151.31	154.39	153.74	152.01	151.40	154.69	151.50	151.20	151.10	151.00	151.50	
21	151.35	151.40	154.12	153.32	152.00	151.39	154.18	151.50	151.20	151.00	151.00	151.50	
22	151.35	151.40	154.10	153.38	152.00	151.20	153.53	151.50	151.20	151.00	151.00	151.50	
23	151.34	151.40	154.00	153.45	152.00	151.05	152.95	151.50	151.20	151.00	151.43	151.50	
24	151.30	151.40	153.79	153.69	152.00	151.05	152.11	151.50	151.20	151.00	151.71	151.50	
25	151.30	151.40	153.51	154.22	151.91	151.05	151.51	151.50	151.20	151.01	151.79	151.50	
26	151.31	151.40	153.38	154.28	151.61	151.00	151.50	151.50	151.20	151.06	151.70	151.50	
27	151.30	151.41	152.90	154.40	151.60	151.00	151.50	151.50	151.20	151.00	151.60	151.50	
28	151.30	151.40	152.64	154.39	151.60	151.00	151.50	151.50	151.20	151.00	151.61	151.50	
29	151.33	151.40	152.60	154.30	151.55	151.04	151.51	151.54	151.20	151.00		151.50	
30	151.30	151.40	152.62	154.30	151.55	151.00	151.50	151.50	151.20	151.00		151.54	
31		151.39		154.25	151.56		151.50		151.20	151.00		151.50	
Mean	151.77	151.32	153.24	153.25	152.35	151.16	152.66	151.50	151.30	151.11	151.14	151.51	
Max	152.13	151.41	154.60	154.40	154.25	151.54	155.27	151.54	151.50	151.20	151.79	151.60	155.27
Min	151.30	151.03	151.40	151.00	151.55	151.00	151.00	151.50	151.20	151.00	151.00	151.48	151.00
Annual Max Momentary Gage Height	155.30	m. (MSL.) ,		at 11.00 Hours , on Oct 14 , 2021									
Zero Gage at Bottom Elevation	150.00	m. (MSL.) ,		River Bed	150.05	m. (MSL.)							
Left Bank Elevation	157.30	m. (MSL.) ,											
Right Bank Elevation	155.71	m. (MSL.) ,		Drainage Are	1,651	Square Kilometers							



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	7.95	0.80	2.20	15.00	48.00	3.04	0.10	2.80	2.80	1.00	0.10	3.40		
2	7.50	0.22	2.20	14.85	46.08	2.14	0.10	2.80	2.80	1.00	0.10	3.40		
3	7.50	1.24	2.20	12.15	32.60	1.00	0.10	2.80	2.80	1.00	0.10	3.40		
4	7.50	1.60	2.20	11.85	32.00	0.14	0.10	2.80	2.80	1.00	0.10	3.34		
5	7.50	1.60	2.20	9.15	31.80	0.10	0.10	2.80	2.80	1.00	0.10	2.86		
6	7.50	1.60	2.20	9.00	26.00	0.18	0.10	2.80	2.80	1.00	0.10	2.80		
7	7.50	1.60	5.08	7.05	21.60	0.10	0.22	2.80	2.80	1.00	0.10	2.80		
8	7.50	1.60	17.85	0.46	13.80	0.10	2.08	2.80	2.80	1.00	0.10	2.80		
9	7.50	1.60	18.80	0.10	6.75	0.42	2.20	2.80	2.80	1.00	0.10	2.74		
10	7.35	1.60	26.60	5.02	6.00	1.00	2.32	2.80	2.32	1.00	0.10	2.68		
11	6.00	1.60	38.00	20.80	5.84	1.00	13.65	2.80	1.60	0.95	0.22	2.80		
12	6.00	1.60	47.52	31.60	6.00	1.00	50.40	2.80	1.30	1.00	0.10	2.80		
13	6.00	1.60	52.80	32.20	5.76	1.06	69.00	2.80	1.30	0.95	0.10	2.80		
14	6.00	1.60	56.16	35.80	6.00	1.00	73.80	2.80	1.30	0.55	0.10	2.80		
15	6.00	1.60	56.40	36.40	6.00	1.06	74.10	2.80	1.00	0.50	0.10	2.80		
16	6.00	1.60	56.40	38.00	9.75	1.00	72.30	2.80	1.00	0.50	0.10	2.80		
17	6.00	1.60	56.40	39.60	14.40	1.00	72.00	2.80	1.00	0.50	0.10	2.80		
18	5.84	1.60	56.40	35.60	14.85	1.60	71.70	2.80	1.00	0.50	0.10	2.74		
19	3.76	1.60	56.16	38.80	11.85	2.20	68.70	3.04	1.00	0.50	0.10	2.80		
20	1.96	1.66	51.36	36.80	6.15	2.20	58.56	2.80	1.00	0.50	0.10	2.80		
21	1.90	2.20	44.88	28.40	6.00	2.14	46.32	2.80	1.00	0.10	0.10	2.80		
22	1.90	2.20	44.40	29.60	6.00	1.00	32.60	2.80	1.00	0.10	0.10	2.80		
23	1.84	2.20	42.00	31.00	6.00	0.30	21.00	2.80	1.00	0.10	2.38	2.80		
24	1.60	2.20	37.80	35.80	6.00	0.30	7.65	2.80	1.00	0.10	4.06	2.80		
25	1.60	2.20	32.20	47.28	5.28	0.30	2.86	2.80	1.00	0.14	4.54	2.80		
26	1.66	2.20	29.60	48.72	3.46	0.10	2.80	2.80	1.00	0.34	4.00	2.80		
27	1.60	2.26	20.00	51.60	3.40	0.10	2.80	2.80	1.00	0.10	3.40	2.80		
28	1.60	2.20	15.60	51.36	3.40	0.10	2.80	2.80	1.00	0.10	3.46	2.80		
29	1.78	2.20	15.00	49.20	3.10	0.26	2.86	3.04	1.00	0.10		2.80		
30	1.60	2.20	15.30	49.20	3.10	0.10	2.80	2.80	1.00	0.10		3.04		
31		2.14		48.00	3.16		2.80		1.00	0.10		2.80		
Total	145.94	53.72	905.91	900.39	400.13	26.04	758.92	84.48	50.02	17.83	24.16	89.20	3456.74	CMSDAY
Mean	4.86	1.73	30.20	29.04	12.91	0.87	24.48	2.82	1.61	0.58	0.86	2.88	9.47	CMS
Max	7.95	2.26	56.40	51.60	48.00	3.04	74.10	3.04	2.80	1.00	4.54	3.40	74.10	CMS
Min	1.60	0.22	2.20	0.10	3.10	0.10	0.10	2.80	1.00	0.10	0.10	2.68	0.10	CMS
Runoff	12.61	4.64	78.27	77.79	34.57	2.25	65.57	7.30	4.32	1.54	2.09	7.71	298.66	MCM
Momentary Peak		75.00	CMS. at 155.30 m. (MSL.) at 11.00 Hours , on Oct 14, 2021											
Runoff Yield		5.74	Liters/Second/Square KM.				Momentary Peak Yield	45.43	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

WATER YEAR : 2021**KHONG RIVER BASIN****Loei River at Ban Na Lak , Loei (Kh.28A)**

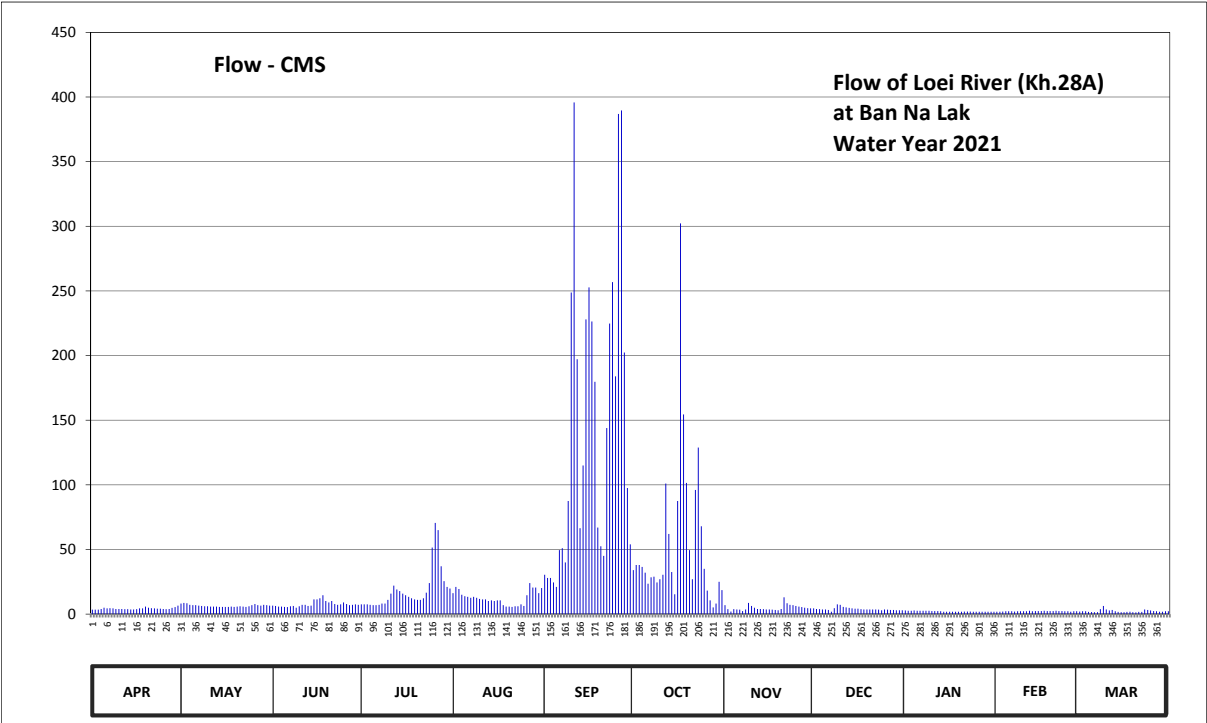
Lat 17 - 18 - 44 N Long 101 - 46 - 21 E

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 +247.320 m.(MSL.), records are channel flow only.		
General Description	Records fair. Stage-discharge relation defined by 34 discharge measurements made in 2021.		

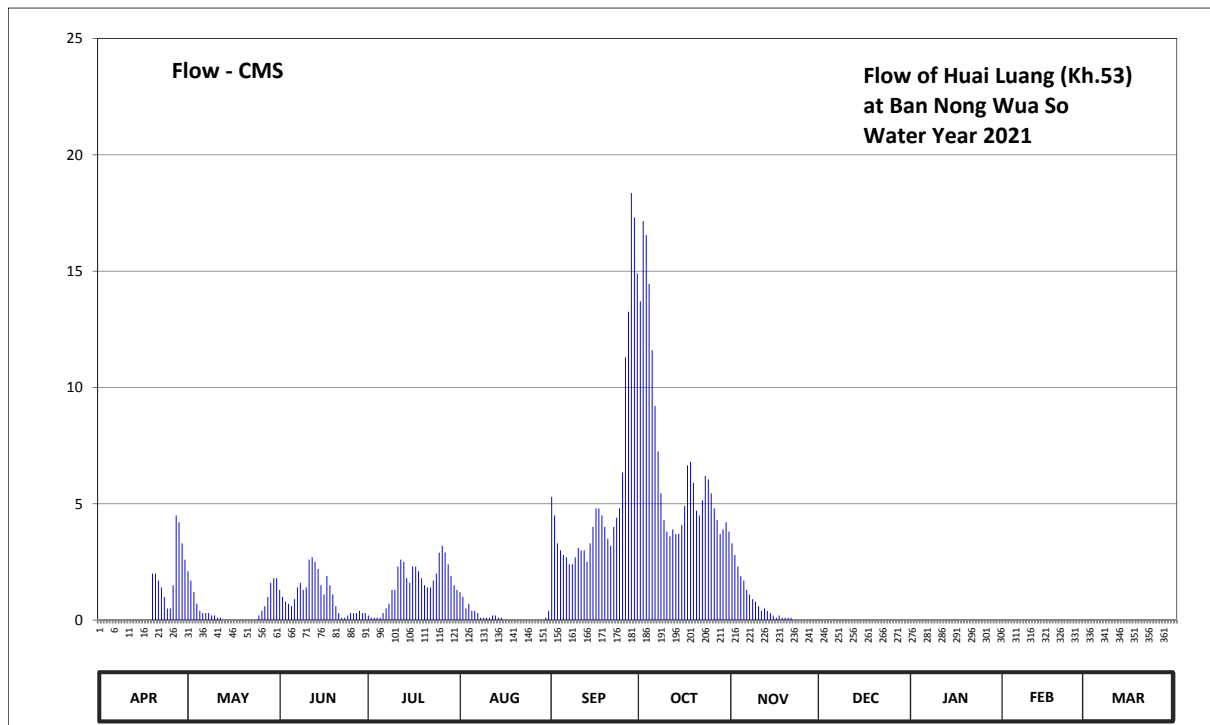
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	241.27	241.47	241.42	241.45	241.68	241.99	242.06	241.43	241.32	241.24	241.19	241.20	
2	241.27	241.49	241.41	241.45	241.80	241.94	242.14	241.29	241.30	241.23	241.19	241.21	
3	241.27	241.48	241.39	241.45	241.76	241.94	242.14	241.20	241.29	241.23	241.20	241.21	
4	241.30	241.44	241.39	241.44	241.65	241.87	242.11	241.29	241.28	241.24	241.21	241.17	
5	241.35	241.43	241.38	241.43	241.62	241.80	242.02	241.28	241.28	241.23	241.21	241.16	
6	241.32	241.43	241.37	241.43	241.61	242.37	241.85	241.27	241.26	241.23	241.21	241.15	
7	241.33	241.42	241.40	241.44	241.59	242.40	241.95	241.22	241.19	241.23	241.20	241.15	
8	241.32	241.41	241.41	241.47	241.61	242.18	241.96	241.28	241.33	241.23	241.21	241.29	
9	241.30	241.40	241.35	241.47	241.59	243.13	241.87	241.49	241.45	241.23	241.21	241.41	
10	241.30	241.40	241.40	241.55	241.57	245.51	241.92	241.41	241.44	241.22	241.21	241.28	
11	241.30	241.39	241.44	241.67	241.56	247.21	241.99	241.35	241.38	241.22	241.21	241.24	
12	241.29	241.39	241.44	241.82	241.56	244.86	243.40	241.30	241.36	241.22	241.23	241.26	
13	241.29	241.39	241.41	241.75	241.53	242.71	242.62	241.30	241.34	241.21	241.21	241.21	
14	241.28	241.38	241.42	241.72	241.54	243.65	242.03	241.29	241.32	241.19	241.22	241.17	
15	241.28	241.38	241.56	241.67	241.53	245.25	241.66	241.28	241.31	241.19	241.22	241.15	
16	241.29	241.38	241.56	241.64	241.54	245.56	243.13	241.28	241.31	241.19	241.22	241.15	
17	241.32	241.38	241.58	241.61	241.54	245.23	246.17	241.27	241.29	241.19	241.23	241.17	
18	241.32	241.39	241.64	241.58	241.43	244.61	244.25	241.26	241.28	241.19	241.22	241.19	
19	241.39	241.38	241.53	241.56	241.39	242.72	243.41	241.25	241.28	241.19	241.22	241.15	
20	241.35	241.39	241.50	241.55	241.39	242.43	242.37	241.30	241.28	241.19	241.22	241.13	
21	241.33	241.40	241.53	241.55	241.38	242.28	241.92	241.60	241.28	241.20	241.23	241.17	
22	241.32	241.39	241.46	241.58	241.40	244.10	243.30	241.48	241.28	241.20	241.22	241.17	
23	241.31	241.38	241.44	241.69	241.40	245.21	243.88	241.44	241.27	241.20	241.22	241.28	
24	241.31	241.40	241.45	241.86	241.45	245.61	242.74	241.43	241.25	241.19	241.21	241.26	
25	241.30	241.43	241.50	242.41	241.41	244.67	242.08	241.41	241.28	241.19	241.21	241.24	
26	241.29	241.46	241.46	242.79	241.64	247.11	241.73	241.39	241.27	241.19	241.19	241.22	
27	241.30	241.43	241.43	242.68	241.86	247.14	241.54	241.37	241.26	241.19	241.21	241.21	
28	241.34	241.42	241.44	242.12	241.79	244.93	241.36	241.35	241.26	241.19	241.21	241.19	
29	241.37	241.44	241.45	241.89	241.79	243.33	241.47	241.33	241.25	241.19		241.19	
30	241.42	241.43	241.44	241.80	241.68	242.46	241.88	241.32	241.25	241.19		241.21	
31		241.42		241.77	241.78		241.74		241.25	241.19		241.21	
Mean	241.31	241.41	241.45	241.72	241.58	243.87	242.41	241.34	241.30	241.21	241.21	241.21	
Max	241.42	241.49	241.64	242.79	241.86	247.21	246.17	241.60	241.45	241.24	241.23	241.41	247.21
Min	241.27	241.38	241.35	241.43	241.38	241.80	241.36	241.20	241.19	241.19	241.19	241.13	241.13
Annual Max Momentary Gage Height	247.79		m. (MSL.) ,			at 23.00 Hours , on Sep 26 , 2021							
Zero Gage at Bottom Elevation	239.60		m. (MSL.) ,			River Bed	238.08	m. (MSL.)					
Left Bank Elevation		247.31		m. (MSL.) ,									
Right Bank Elevation		247.57		m. (MSL.) ,		Drainage Are	1,289	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.40	8.10	6.60	7.50	16.20	30.50	34.00	6.90	4.40	2.80	1.90	2.00		
2	3.40	8.70	6.30	7.50	21.00	28.00	38.00	3.80	4.00	2.60	1.90	2.20		
3	3.40	8.40	5.80	7.50	19.40	28.00	38.00	2.00	3.80	2.60	2.00	2.20		
4	4.00	7.20	5.80	7.20	15.00	24.50	36.50	3.80	3.60	2.80	2.20	1.70		
5	5.00	6.90	5.60	6.90	13.80	21.00	32.00	3.60	3.60	2.60	2.20	1.60		
6	4.40	6.90	5.40	6.90	13.40	49.50	23.50	3.40	3.20	2.60	2.20	1.50		
7	4.60	6.60	6.00	7.20	12.60	51.00	28.50	2.40	1.90	2.60	2.00	1.50		
8	4.40	6.30	6.30	8.10	13.40	40.00	29.00	3.60	4.60	2.60	2.20	3.80		
9	4.00	6.00	5.00	8.10	12.60	87.50	24.50	8.70	7.50	2.60	2.20	6.30		
10	4.00	6.00	6.00	11.00	11.80	248.80	27.00	6.30	7.20	2.40	2.20	3.60		
11	4.00	5.80	7.20	15.80	11.40	395.90	30.50	5.00	5.60	2.40	2.20	2.80		
12	3.80	5.80	7.20	22.00	11.40	197.20	101.00	4.00	5.20	2.40	2.60	3.20		
13	3.80	5.80	6.30	19.00	10.20	66.50	62.00	4.00	4.80	2.20	2.20	2.20		
14	3.60	5.60	6.60	17.80	10.60	115.00	32.50	3.80	4.40	1.90	2.40	1.70		
15	3.60	5.60	11.40	15.80	10.20	228.00	15.40	3.60	4.20	1.90	2.40	1.50		
16	3.80	5.60	11.40	14.60	10.60	252.80	87.50	3.60	4.20	1.90	2.40	1.50		
17	4.40	5.60	12.20	13.40	10.60	226.40	302.30	3.40	3.80	1.90	2.60	1.70		
18	4.40	5.80	14.60	12.20	6.90	179.70	154.50	3.20	3.60	1.90	2.40	1.90		
19	5.80	5.60	10.20	11.40	5.80	67.00	101.50	3.00	3.60	1.90	2.40	1.50		
20	5.00	5.80	9.00	11.00	5.80	52.50	49.50	4.00	3.60	1.90	2.40	1.30		
21	4.60	6.00	10.20	11.00	5.60	45.00	27.00	13.00	3.60	2.00	2.60	1.70		
22	4.40	5.80	7.80	12.20	6.00	144.00	96.00	8.40	3.60	2.00	2.40	1.70		
23	4.20	5.60	7.20	16.60	6.00	224.80	128.80	7.20	3.40	2.00	2.40	3.60		
24	4.20	6.00	7.50	24.00	7.50	256.80	68.00	6.90	3.00	1.90	2.20	3.20		
25	4.00	6.90	9.00	51.50	6.30	183.90	35.00	6.30	3.60	1.90	2.20	2.80		
26	3.80	7.80	7.80	70.50	14.60	386.90	18.20	5.80	3.40	1.90	1.90	2.40		
27	4.00	6.90	6.90	65.00	24.00	389.60	10.60	5.40	3.20	1.90	2.20	2.20		
28	4.80	6.60	7.20	37.00	20.60	202.40	5.20	5.00	3.20	1.90	2.20	1.90		
29	5.40	7.20	7.50	25.50	20.60	97.50	8.10	4.60	3.00	1.90		1.90		
30	6.60	6.90	7.20	21.00	16.20	54.00	25.00	4.40	3.00	1.90		2.20		
31		6.60		19.80	20.20		18.60		3.00	1.90		2.20		
Total	128.80	200.40	233.20	585.00	390.30	4374.70	1688.20	149.10	122.80	67.70	63.10	71.50	8074.80	CMSDAY
Mean	4.29	6.46	7.77	18.87	12.59	145.82	54.46	4.97	3.96	2.18	2.25	2.31	22.12	CMS
Max	6.60	8.70	14.60	70.50	24.00	395.90	302.30	13.00	7.50	2.80	2.60	6.30	395.90	CMS
Min	3.40	5.60	5.00	6.90	5.60	21.00	5.20	2.00	1.90	1.90	1.90	1.30	1.30	CMS
Runoff	11.13	17.31	20.15	50.54	33.72	377.97	145.86	12.88	10.61	5.85	5.45	6.18	697.66	MCM
Momentary Peak 449.00 CMS. at 247.79 m. (MSL.) at 23.00 Hours , on Sep 26, 2021														
Runoff Yield	17.16 Liters/Second/Square KM.				Momentary Peak Yield 348.33				Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	2.10	1.30	0.20	1.20	5.30	13.70	3.30	0.00	0.00	0.00	0.00	
2	0.00	1.70	1.00	0.10	1.00	4.50	17.15	2.80	0.00	0.00	0.00	0.00	
3	0.00	1.20	0.80	0.10	0.50	3.30	16.55	2.30	0.00	0.00	0.00	0.00	
4	0.00	0.70	0.70	0.10	0.70	3.00	14.45	1.90	0.00	0.00	0.00	0.00	
5	0.00	0.40	0.60	0.10	0.40	2.80	11.60	1.70	0.00	0.00	0.00	0.00	
6	0.00	0.30	0.90	0.30	0.40	2.70	9.20	1.30	0.00	0.00	0.00	0.00	
7	0.00	0.30	1.40	0.50	0.30	2.40	7.25	1.10	0.00	0.00	0.00	0.00	
8	0.00	0.30	1.60	0.70	0.10	2.40	5.45	0.90	0.00	0.00	0.00	0.00	
9	0.00	0.20	1.30	1.30	0.10	2.70	4.30	0.80	0.00	0.00	0.00	0.00	
10	0.00	0.20	1.40	1.30	0.10	3.10	3.80	0.60	0.00	0.00	0.00	0.00	
11	0.00	0.10	2.60	2.30	0.10	3.00	3.60	0.40	0.00	0.00	0.00	0.00	
12	0.00	0.10	2.70	2.60	0.20	3.00	3.90	0.50	0.00	0.00	0.00	0.00	
13	0.00	0.00	2.50	2.50	0.20	2.50	3.70	0.40	0.00	0.00	0.00	0.00	
14	0.00	0.00	2.20	1.80	0.10	3.30	3.70	0.30	0.00	0.00	0.00	0.00	
15	0.00	0.00	1.50	1.60	0.10	4.00	4.10	0.20	0.00	0.00	0.00	0.00	
16	0.00	0.00	1.10	2.30	0.00	4.80	4.90	0.10	0.00	0.00	0.00	0.00	
17	0.00	0.00	1.90	2.30	0.00	4.80	6.65	0.20	0.00	0.00	0.00	0.00	
18	0.00	0.00	1.50	2.10	0.00	4.50	6.80	0.10	0.00	0.00	0.00	0.00	
19	2.00	0.00	1.10	1.80	0.00	4.00	5.90	0.10	0.00	0.00	0.00	0.00	
20	2.00	0.00	0.60	1.50	0.00	3.50	4.70	0.10	0.00	0.00	0.00	0.00	
21	1.70	0.00	0.30	1.40	0.00	3.20	4.50	0.10	0.00	0.00	0.00	0.00	
22	1.40	0.00	0.10	1.40	0.00	4.00	5.15	0.00	0.00	0.00	0.00	0.00	
23	1.00	0.00	0.10	1.70	0.00	4.40	6.20	0.00	0.00	0.00	0.00	0.00	
24	0.50	0.00	0.20	2.00	0.00	4.80	6.05	0.00	0.00	0.00	0.00	0.00	
25	0.50	0.20	0.30	2.90	0.00	6.35	5.45	0.00	0.00	0.00	0.00	0.00	
26	1.50	0.40	0.30	3.20	0.00	11.30	4.80	0.00	0.00	0.00	0.00	0.00	
27	4.50	0.60	0.30	2.90	0.00	13.25	4.30	0.00	0.00	0.00	0.00	0.00	
28	4.20	1.00	0.40	2.40	0.00	18.35	3.70	0.00	0.00	0.00	0.00	0.00	
29	3.30	1.60	0.30	1.90	0.00	17.30	3.90	0.00	0.00	0.00	0.00	0.00	
30	2.60	1.80	0.30	1.50	0.10	14.90	4.20	0.00	0.00	0.00		0.00	
31		1.80		1.30	0.40		3.80		0.00	0.00		0.00	
Total	25.20	15.00	31.30	48.10	6.00	167.45	203.45	19.20	0.00	0.00	0.00	0.00	515.70
Mean	0.84	0.48	1.04	1.55	0.19	5.58	6.56	0.64	0.00	0.00	0.00	0.00	1.41
Max	4.50	2.10	2.70	3.20	1.20	18.35	17.15	3.30	0.00	0.00	0.00	0.00	18.35
Min	0.00	0.00	0.10	0.10	0.00	2.40	3.60	0.00	0.00	0.00	0.00	0.00	0.00
Runoff	2.18	1.30	2.70	4.16	0.52	14.47	17.58	1.66	0.00	0.00	0.00	0.00	44.56
Momentary Peak	18.65 CMS. at 205.51 m. (MSL.) at 09.00 Hours , on Sep 28, 2021												
Runoff Yield	3.37	Liters/Second/Square KM.					Momentary Peak Yield	44.51	Liters/Second/Square KM.				

WATER YEAR : 2021

KHONG RIVER BASIN

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

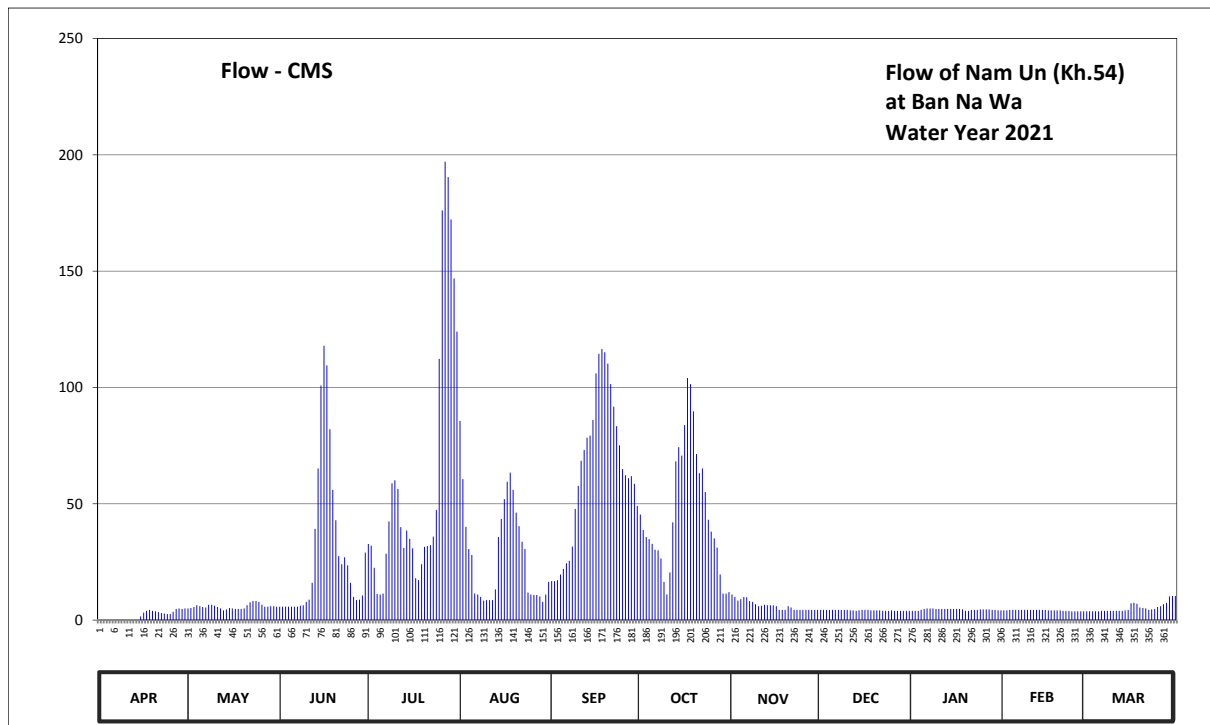
Lat 17 - 29 - 39 N Long 104 - 06 - 37 E

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 35 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	140.16	140.45	140.49	141.59	144.38	140.92	142.95	140.75	140.42	140.40	140.41	140.39	
2	140.12	140.46	140.49	141.50	143.68	140.92	142.34	140.70	140.42	140.40	140.41	140.39	
3	140.11	140.48	140.49	141.05	142.51	140.93	141.96	140.62	140.42	140.40	140.42	140.39	
4	140.07	140.52	140.49	140.76	141.29	140.99	141.85	140.65	140.42	140.42	140.42	140.39	
5	140.03	140.50	140.49	140.75	141.16	141.04	141.60	140.70	140.42	140.44	140.42	140.39	
6	140.01	140.48	140.49	140.77	140.77	141.09	141.24	140.69	140.42	140.45	140.42	140.40	
7	139.99	140.47	140.49	141.17	140.75	141.11	141.20	140.61	140.42	140.45	140.42	140.40	
8	139.94	140.53	140.51	142.70	140.70	141.45	141.13	140.59	140.42	140.45	140.42	140.40	
9	139.89	140.53	140.52	143.60	140.62	143.09	140.91	140.54	140.42	140.44	140.42	140.40	
10	139.92	140.51	140.59	143.66	140.63	143.55	140.75	140.50	140.42	140.44	140.42	140.40	
11	139.97	140.48	140.64	143.49	140.63	143.95	141.01	140.51	140.41	140.44	140.42	140.40	
12	140.08	140.45	140.90	142.49	140.63	144.09	142.67	140.53	140.41	140.44	140.42	140.40	
13	140.14	140.41	142.40	141.37	140.83	144.22	143.94	140.52	140.40	140.44	140.42	140.40	
14	140.20	140.43	143.84	142.31	141.97	144.24	144.12	140.52	140.41	140.44	140.42	140.41	
15	140.28	140.46	144.62	141.87	142.79	144.39	144.02	140.52	140.42	140.44	140.42	140.42	
16	140.36	140.45	144.87	141.34	143.29	144.70	144.34	140.50	140.42	140.44	140.41	140.56	
17	140.40	140.44	144.75	140.95	143.63	144.82	144.67	140.42	140.42	140.44	140.41	140.57	
18	140.42	140.44	144.30	140.93	143.78	144.85	144.63	140.42	140.41	140.43	140.41	140.55	
19	140.40	140.44	143.47	141.08	143.47	144.83	144.45	140.42	140.41	140.40	140.41	140.47	
20	140.39	140.45	142.74	141.44	143.01	144.76	144.04	140.50	140.41	140.40	140.41	140.46	
21	140.37	140.52	141.15	141.48	142.53	144.63	143.77	140.47	140.41	140.42	140.40	140.45	
22	140.35	140.58	141.08	141.53	141.71	144.48	143.84	140.42	140.40	140.42	140.40	140.42	
23	140.34	140.61	141.14	141.99	141.30	144.33	143.43	140.42	140.40	140.42	140.40	140.43	
24	140.33	140.61	141.07	143.07	140.79	144.14	142.76	140.42	140.40	140.43	140.39	140.44	
25	140.33	140.59	140.90	144.79	140.75	143.83	142.25	140.42	140.41	140.43	140.39	140.48	
26	140.38	140.53	140.70	145.51	140.74	143.74	141.89	140.42	140.40	140.43	140.39	140.50	
27	140.44	140.49	140.63	145.70	140.74	143.70	141.39	140.42	140.40	140.43	140.39	140.54	
28	140.45	140.49	140.64	145.64	140.71	143.73	140.99	140.42	140.40	140.42	140.39	140.57	
29	140.44	140.50	140.73	145.47	140.59	143.59	140.77	140.42	140.40	140.42		140.71	
30	140.45	140.50	141.18	145.20	140.75	143.15	140.77	140.42	140.40	140.41		140.72	
31		140.49		144.95	140.91		140.80		140.40	140.41		140.72	
Mean	140.23	140.49	141.56	142.59	141.68	143.31	142.47	140.52	140.41	140.43	140.41	140.47	
Max	140.45	140.61	144.87	145.70	144.38	144.85	144.67	140.75	140.42	140.45	140.42	140.72	145.70
Min	139.89	140.41	140.49	140.75	140.59	140.92	140.75	140.42	140.40	140.40	140.39	140.39	139.89
Annual Max Momentary Gage Height	145.71		m. (MSL.) ,			at 06.00 Hours , on Jul 27, 2021							
Zero Gage at Bottom Elevation	136.20		m. (MSL.) ,			River Bed	138.57	m. (MSL.)					
Left Bank Elevation		149.21		m. (MSL.) ,									
Right Bank Elevation		148.27		m. (MSL.) ,		Drainage Are	3,113	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	5.00	5.80	32.72	85.60	16.80	45.40	11.00	4.40	4.00	4.20	3.80	
2	0.00	5.20	5.80	32.00	60.56	16.80	38.72	10.00	4.40	4.00	4.20	3.80	
3	0.00	5.60	5.80	22.50	40.12	17.20	35.68	8.40	4.40	4.00	4.40	3.80	
4	0.00	6.40	5.80	11.20	30.54	19.60	34.80	9.00	4.40	4.40	4.40	3.80	
5	0.00	6.00	5.80	11.00	28.00	22.00	32.80	10.00	4.40	4.80	4.40	3.80	
6	0.00	5.60	5.80	11.40	11.40	24.50	30.24	9.80	4.40	5.00	4.40	4.00	
7	0.00	5.40	5.80	28.50	11.00	25.50	30.00	8.20	4.40	5.00	4.40	4.00	
8	0.00	6.60	6.20	42.40	10.00	31.60	26.50	7.80	4.40	5.00	4.40	4.00	
9	0.00	6.60	6.40	58.80	8.40	47.80	16.40	6.80	4.40	4.80	4.40	4.00	
10	0.00	6.20	7.80	60.12	8.60	57.70	11.00	6.00	4.40	4.80	4.40	4.00	
11	0.00	5.60	8.80	56.38	8.60	68.50	20.50	6.20	4.20	4.80	4.40	4.00	
12	0.00	5.00	16.00	39.92	8.60	73.15	42.04	6.60	4.20	4.80	4.40	4.00	
13	0.00	4.20	39.20	31.02	13.20	78.40	68.20	6.40	4.00	4.80	4.40	4.00	
14	0.00	4.60	65.20	38.48	35.76	79.30	74.30	6.40	4.20	4.80	4.40	4.20	
15	1.60	5.20	100.80	34.96	43.48	86.05	70.70	6.40	4.40	4.80	4.40	4.40	
16	3.20	5.00	117.90	30.84	51.98	106.00	83.80	6.00	4.40	4.80	4.20	7.20	
17	4.00	4.80	109.50	18.00	59.46	114.40	104.05	4.40	4.40	4.80	4.20	7.40	
18	4.40	4.80	82.00	17.20	63.40	116.50	101.45	4.40	4.20	4.60	4.20	7.00	
19	4.00	4.80	55.94	24.00	55.94	115.10	89.75	4.40	4.20	4.00	4.20	5.40	
20	3.80	5.00	42.88	31.52	46.20	110.20	71.40	6.00	4.20	4.00	4.20	5.20	
21	3.40	6.40	27.50	31.84	40.36	101.45	63.10	5.40	4.20	4.40	4.00	5.00	
22	3.00	7.60	24.00	32.24	33.68	91.70	65.20	4.40	4.00	4.40	4.00	4.40	
23	2.80	8.20	27.00	35.92	30.60	83.35	55.06	4.40	4.00	4.40	4.00	4.60	
24	2.60	8.20	23.50	47.40	11.80	75.10	43.12	4.40	4.00	4.60	3.80	4.80	
25	2.60	7.80	16.00	112.30	11.00	64.90	38.00	4.40	4.20	4.60	3.80	5.60	
26	3.60	6.60	10.00	176.10	10.80	62.20	35.12	4.40	4.00	4.60	3.80	6.00	
27	4.80	5.80	8.60	197.00	10.80	61.00	31.14	4.40	4.00	4.60	3.80	6.80	
28	5.00	5.80	8.80	190.40	10.20	61.90	19.60	4.40	4.00	4.40	3.80	7.40	
29	4.80	6.00	10.60	172.18	7.80	58.58	11.40	4.40	4.00	4.40		10.20	
30	5.00	6.00	29.00	146.80	11.00	49.00	11.40	4.40	4.00	4.20		10.40	
31		5.80		124.00	16.40		12.00		4.00	4.20		10.40	
Total	58.60	181.80	884.22	1899.14	875.28	1936.28	1412.87	189.20	130.80	140.80	117.60	167.40	7993.99 CMSDAY
Mean	1.95	5.86	29.47	61.26	28.23	64.54	45.58	6.31	4.22	4.54	4.20	5.40	21.90 CMS
Max	5.00	8.20	117.90	197.00	85.60	116.50	104.05	11.00	4.40	5.00	4.40	10.40	197.00 CMS
Min	0.00	4.20	5.80	11.00	7.80	16.80	11.00	4.40	4.00	4.00	3.80	3.80	0.00 CMS
Runoff	5.06	15.71	76.40	164.09	75.62	167.29	122.07	16.35	11.30	12.17	10.16	14.46	690.68 MCM
Momentary Peak	198.10 CMS. at 145.71 m. (MSL.) at 06.00 Hours , on Jul 27, 2021												
Runoff Yield	7.04	Liters/Second/Square KM.			Momentary Peak Yield			63.64 Liters/Second/Square KM.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.80	40.00	10.90	7.20	19.60	51.20	108.50	50.80	6.00	4.80	1.20	1.20	
2	5.40	41.60	9.60	7.80	20.80	48.00	96.00	45.20	5.60	4.00	1.00	0.80	
3	5.40	36.00	7.80	6.80	20.80	52.40	94.50	37.60	6.40	5.60	3.60	1.20	
4	8.00	28.00	6.80	6.80	18.10	42.00	82.00	36.00	5.60	4.60	5.00	4.40	
5	8.60	19.30	5.80	6.80	15.10	36.80	88.00	32.80	5.00	4.20	0.60	4.00	
6	8.80	15.70	5.80	6.20	14.50	53.20	78.00	28.80	5.40	4.00	2.60	2.00	
7	7.80	13.90	5.80	6.00	13.60	65.20	71.00	26.80	4.20	3.00	4.40	1.60	
8	8.40	11.50	7.00	6.80	14.20	60.00	69.60	24.40	2.80	2.00	3.20	17.50	
9	8.40	9.60	7.20	15.70	13.60	95.00	63.60	21.40	7.20	3.20	3.00	18.10	
10	8.00	9.40	10.00	27.20	12.70	281.66	55.20	18.40	8.20	4.60	3.80	9.00	
11	7.80	9.20	13.90	26.40	11.80	438.54	40.00	15.40	7.40	1.80	4.00	7.40	
12	7.60	8.20	17.80	36.80	11.50	406.58	180.58	12.70	7.20	0.00	2.60	7.40	
13	7.40	7.80	14.50	36.40	11.20	185.20	218.20	12.10	6.60	0.80	1.40	6.00	
14	7.40	8.80	14.20	33.20	11.20	197.08	155.09	11.80	6.60	0.80	1.20	4.00	
15	7.20	9.40	17.20	34.00	11.20	400.94	102.00	11.80	6.20	1.60	2.40	2.80	
16	7.40	9.20	17.20	46.40	11.20	498.00	108.00	11.50	5.80	3.40	5.40	2.80	
17	10.60	9.40	13.60	26.80	11.20	480.84	289.06	11.20	5.40	2.20	1.40	4.40	
18	9.40	8.80	16.30	20.20	9.00	433.84	266.12	10.90	5.40	2.40	0.40	4.20	
19	10.90	8.40	15.70	17.20	6.20	215.56	183.22	10.30	9.20	1.00	1.00	3.00	
20	19.30	8.60	9.00	16.30	6.00	112.82	117.33	9.80	5.00	0.80	3.00	2.40	
21	23.60	9.00	10.00	13.00	6.20	95.00	77.00	9.60	6.40	0.40	3.40	2.20	
22	19.30	8.80	9.20	13.60	6.60	190.48	174.64	9.40	5.40	1.60	4.40	3.60	
23	16.90	8.60	7.00	15.70	7.00	292.02	263.16	9.00	2.80	2.40	9.00	6.20	
24	12.70	9.40	7.60	22.40	7.20	379.76	159.04	8.80	0.00	3.80	12.10	12.40	
25	9.40	16.30	7.60	37.20	8.80	357.76	98.00	8.40	6.60	3.60	10.90	10.30	
26	8.00	32.80	8.40	70.00	12.10	433.84	68.40	8.00	4.80	4.00	7.00	8.80	
27	8.00	18.40	7.20	67.20	26.00	545.00	55.60	7.80	6.00	2.80	4.60	7.80	
28	8.60	12.70	7.00	48.40	29.20	488.36	46.00	7.60	5.40	0.00	2.00	6.00	
29	11.80	11.20	7.20	29.60	27.20	326.96	44.80	7.20	5.00	6.60		5.40	
30	25.60	16.00	7.00	24.00	27.60	197.74	60.40	6.60	5.00	4.40		6.20	
31		13.90		21.40	38.40		61.20		5.00	0.80		7.40	
Total	313.50	469.90	304.30										

WATER YEAR : 2021**KHONG RIVER BASIN****Loei River at Ban Keng Bong , Loei (Kh.61)**

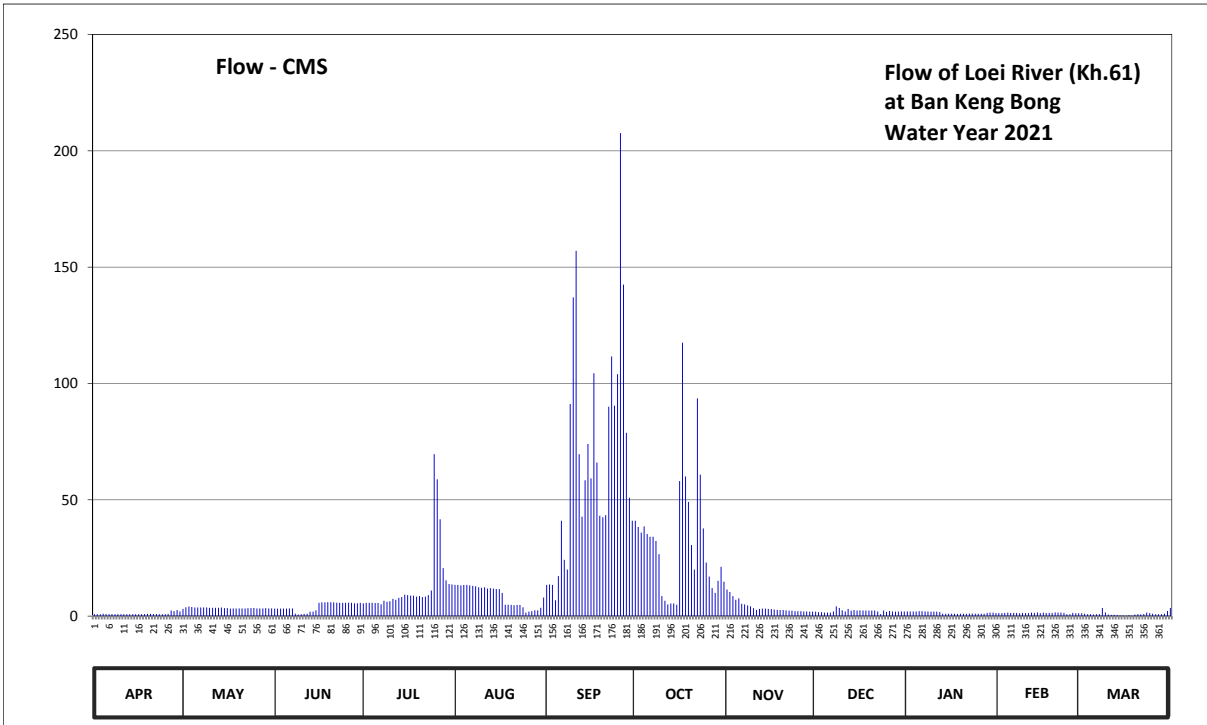
Lat 17 - 07 - 52 N Long 101 - 40 - 44 E

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.		
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 34 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

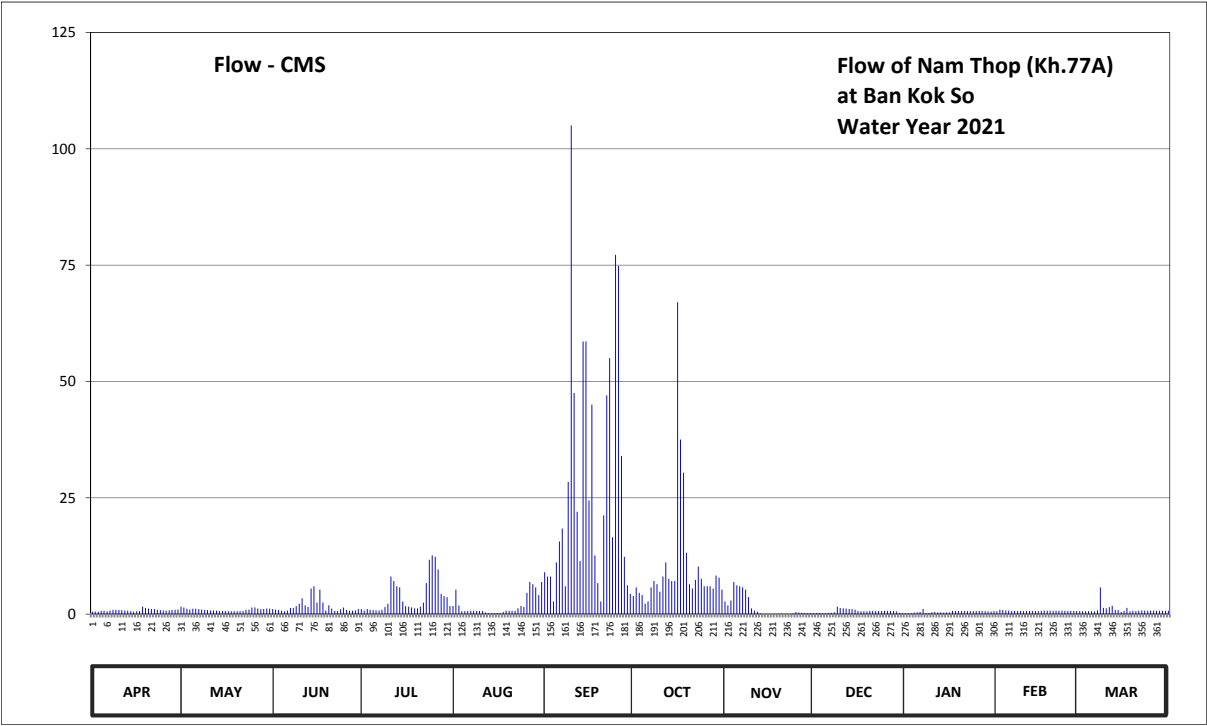
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	258.76	259.01	259.02	259.25	259.67	259.67	260.70	259.57	258.89	258.90	258.83	258.82	
2	258.76	259.08	259.02	259.27	259.67	259.68	260.61	259.52	258.87	258.90	258.83	258.80	
3	258.76	259.11	259.02	259.27	259.66	259.67	260.53	259.43	258.87	258.90	258.84	258.76	
4	258.80	259.09	259.02	259.27	259.67	259.34	260.62	259.35	258.85	258.90	258.85	258.76	
5	258.78	259.07	259.02	259.26	259.67	259.86	260.51	259.38	258.85	258.91	258.84	258.73	
6	258.77	259.07	259.03	259.26	259.66	260.70	260.47	259.23	258.85	258.91	258.84	258.76	
7	258.78	259.07	259.03	259.21	259.65	260.14	260.47	259.20	258.90	258.90	258.84	258.76	
8	258.76	259.07	258.80	259.33	259.64	260.00	260.41	259.16	259.12	258.90	258.82	259.05	
9	258.77	259.07	258.74	259.31	259.62	262.08	260.22	259.12	259.05	258.89	258.84	258.86	
10	258.77	259.06	258.77	259.32	259.61	263.10	259.43	259.04	258.95	258.89	258.83	258.73	
11	258.77	259.06	258.79	259.37	259.62	263.50	259.33	258.97	258.90	258.89	258.83	258.71	
12	258.76	259.06	258.80	259.35	259.59	261.54	259.20	259.01	259.01	258.88	258.85	258.71	
13	258.76	259.06	258.89	259.39	259.60	260.76	259.24	259.02	258.93	258.80	258.84	258.68	
14	258.77	259.07	258.89	259.41	259.59	261.26	259.24	259.02	258.96	258.80	258.86	258.66	
15	258.76	259.04	258.95	259.46	259.58	261.65	259.19	259.01	258.94	258.80	258.83	258.64	
16	258.76	259.04	259.27	259.45	259.58	261.28	261.25	259.00	258.95	258.80	258.85	258.62	
17	258.76	259.02	259.29	259.44	259.50	262.41	262.71	258.98	258.94	258.80	258.84	258.68	
18	258.78	259.03	259.29	259.44	259.19	261.45	261.30	258.97	258.94	258.79	258.84	258.64	
19	258.79	259.03	259.30	259.42	259.19	260.77	260.97	258.96	258.94	258.80	258.84	258.73	
20	258.79	259.03	259.30	259.43	259.18	260.75	260.35	258.96	258.94	258.80	258.86	258.77	
21	258.78	259.03	259.29	259.41	259.17	260.78	260.00	258.95	258.94	258.80	258.85	258.75	
22	258.78	259.03	259.28	259.42	259.18	262.05	262.14	258.93	258.90	258.81	258.85	258.78	
23	258.77	259.04	259.27	259.45	259.18	262.59	261.32	258.93	258.76	258.81	258.84	258.85	
24	258.77	259.04	259.27	259.55	259.08	262.06	260.59	258.91	258.94	258.80	258.77	258.83	
25	258.77	259.05	259.27	261.54	258.85	262.40	260.10	258.91	258.88	258.80	258.76	258.80	
26	258.79	259.03	259.28	261.27	258.89	264.46	259.85	258.91	258.92	258.80	258.84	258.77	
27	258.94	259.03	259.27	260.72	258.91	263.21	259.60	258.90	258.90	258.80	258.82	258.76	
28	258.91	259.03	259.25	260.02	258.95	261.77	259.50	258.90	258.89	258.84	258.82	258.76	
29	258.96	259.04	259.25	259.77	258.95	261.03	259.76	258.89	258.89	258.85		258.80	
30	258.90	259.03	259.27	259.69	259.06	260.70	260.04	258.89	258.90	258.85		258.92	
31		259.03		259.68	259.40		259.74		258.90	258.83		259.05	
Mean	258.79	259.05	259.10	259.59	259.38	261.36	260.30	259.07	258.92	258.84	258.83	258.77	
Max	258.96	259.11	259.30	261.54	259.67	264.46	262.71	259.57	259.12	258.91	258.86	259.05	264.46
Min	258.76	259.01	258.74	259.21	258.85	259.34	259.19	258.89	258.76	258.79	258.76	258.62	258.62
Annual Max Momentary Gage Height	264.82		m. (MSL.) ,				at 09.00 Hours , on Sep 26, 2021						
Zero Gage at Bottom Elevation		258.40		m. (MSL.) ,		River Bed	258.02	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.80	3.10	3.20	5.50	13.40	13.40	41.00	11.40	1.90	2.00	1.30	1.20		
2	0.80	3.80	3.20	5.70	13.40	13.60	38.30	10.40	1.70	2.00	1.30	1.00		
3	0.80	4.10	3.20	5.70	13.20	13.40	35.90	8.60	1.70	2.00	1.40	0.80		
4	1.00	3.90	3.20	5.70	13.40	6.80	38.60	7.00	1.50	2.00	1.50	0.80		
5	0.90	3.70	3.20	5.60	13.40	17.20	35.30	7.60	1.50	2.10	1.40	0.65		
6	0.85	3.70	3.30	5.60	13.20	41.00	34.10	5.30	1.50	2.10	1.40	0.80		
7	0.90	3.70	3.30	5.10	13.00	24.20	34.10	5.00	2.00	2.00	1.40	0.80		
8	0.80	3.70	1.00	6.60	12.80	20.00	32.30	4.60	4.20	2.00	1.20	3.50		
9	0.85	3.70	0.70	6.20	12.40	91.20	26.60	4.20	3.50	1.90	1.40	1.60		
10	0.85	3.60	0.85	6.40	12.20	137.00	8.60	3.40	2.50	1.90	1.30	0.65		
11	0.85	3.60	0.95	7.40	12.40	157.00	6.60	2.70	2.00	1.90	1.30	0.55		
12	0.80	3.60	1.00	7.00	11.80	69.60	5.00	3.10	3.10	1.80	1.50	0.55		
13	0.80	3.60	1.90	7.80	12.00	42.80	5.40	3.20	2.30	1.00	1.40	0.40		
14	0.85	3.70	1.90	8.20	11.80	58.40	5.40	3.20	2.60	1.00	1.60	0.30		
15	0.80	3.40	2.50	9.20	11.60	74.00	4.90	3.10	2.40	1.00	1.30	0.20		
16	0.80	3.40	5.70	9.00	11.60	59.20	58.00	3.00	2.50	1.00	1.50	0.10		
17	0.80	3.20	5.90	8.80	10.00	104.40	117.50	2.80	2.40	1.00	1.40	0.40		
18	0.90	3.30	5.90	8.80	4.90	66.00	60.00	2.70	2.40	0.95	1.40	0.20		
19	0.95	3.30	6.00	8.40	4.90	43.10	49.10	2.60	2.40	1.00	1.40	0.65		
20	0.95	3.30	6.00	8.60	4.80	42.50	30.50	2.60	2.40	1.00	1.60	0.85		
21	0.90	3.30	5.90	8.20	4.70	43.40	20.00	2.50	2.40	1.00	1.50	0.75		
22	0.90	3.30	5.80	8.40	4.80	90.00	93.60	2.30	2.00	1.10	1.50	0.90		
23	0.85	3.40	5.70	9.00	4.80	111.60	60.80	2.30	0.80	1.10	1.40	1.50		
24	0.85	3.40	5.70	11.00	3.80	90.40	37.70	2.10	2.40	1.00	0.85	1.30		
25	0.85	3.50	5.70	69.60	1.50	104.00	23.00	2.10	1.80	1.00	0.80	1.00		
26	0.95	3.30	5.80	58.80	1.90	207.60	17.00	2.10	2.20	1.00	1.40	0.85		
27	2.40	3.30	5.70	41.60	2.10	142.50	12.00	2.00	2.00	1.00	1.20	0.80		
28	2.10	3.30	5.50	20.60	2.50	78.80	10.00	2.00	1.90	1.40	1.20	0.80		
29	2.60	3.40	5.50	15.40	2.50	50.90	15.20	1.90	1.90	1.50		1.00		
30	2.00	3.30	5.70	13.80	3.60	41.00	21.20	1.90	2.00	1.50		2.20		
31		3.30		13.60	8.00		14.80		2.00	1.30		3.50		
Total	31.45	108.20	119.90	411.30	266.40	2055.00	992.50	117.70	67.90	44.55	37.85	30.60	4283.35	CMSDAY
Mean	1.05	3.49	4.00	13.27	8.59	68.50	32.02	3.92	2.19	1.44	1.35	0.99	11.74	CMS
Max	2.60	4.10	6.00	69.60	13.40	207.60	117.50	11.40	4.20	2.10	1.60	3.50	207.60	CMS
Min	0.80	3.10	0.70	5.10	1.50	6.80	4.90	1.90	0.80	0.95	0.80	0.10	0.10	CMS
Runoff	2.72	9.35	10.36	35.54	23.02	177.55	85.75	10.17	5.87	3.85	3.27	2.64	370.08	MCM
Momentary Peak	229.20 CMS. at 264.82 m. (MSL.) at 09.00 Hours , on Sep 26, 2021													
Runoff Yield	19.72 Liters/Second/Square KM.			Momentary Peak Yield				385.21 Liters/Second/Square KM.						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	18.40	13.20	7.20	32.40	84.80	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	19.20	11.40	8.10	28.80	73.20	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	19.20	11.10	10.50	25.60	57.20	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	17.60	10.80	12.00	22.80	40.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	16.00	10.20	14.40	20.40	28.00	1.20	0.00	0.00	0.00	
6	0.00	0.00	0.00	16.80	9.90	17.60	18.00	21.20	7.50	0.00	0.00	0.00	
7	0.00	0.00	0.00	19.20	9.30	18.40	15.60	17.20	3.60	0.00	0.00	0.00	
8	0.00	0.00	0.00	20.00	8.70	19.20	13.60	14.00	0.90	0.00	0.00	0.00	
9	0.00	0.00	0.00	18.80	8.10	24.40	12.00	11.70	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	17.20	7.80	31.20	11.10	10.20	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	14.80	7.20	36.80	12.80	9.60	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	12.80	6.90	41.60	14.80	8.70	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	11.40	7.20	43.60	16.40	7.80	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	10.50	9.00	48.00	18.00	7.20	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	10.20	11.70	52.80	19.60	6.30	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	9.90	14.00	59.20	20.80	5.70	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	9.90	14.40	66.80	22.80	5.10	0.00	0.00	0.00	0.00	
18	0.00	0.00	5.10	9.90	13.20	74.80	25.60	4.50	0.00	0.00	0.00	0.00	
19	0.00	0.00	21.20	9.60	12.00	79.60	27.60	4.20	0.00	0.00	0.00	0.00	
20	0.00	0.00	28.00	10.20	11.10	81.60	29.20	4.20	0.00	0.00	0.00	0.00	
21	0.00	0.00	30.00	11.10	10.50	82.00	28.80	3.90	0.00	0.00	0.00	0.00	
22	0.00	0.00	27.60	12.00	9.60	80.40	31.20	3.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	23.60	16.00	9.00	78.00	49.20	2.70	0.00	0.00	0.00	0.00	
24	0.00	0.00	19.20	22.40	8.10	74.40	78.40	2.40	0.00	0.00	0.00	0.00	
25	0.00	0.00	15.60	28.00	7.50	69.20	96.00	2.10	0.00	0.00	0.00	0.00	
26	0.00	0.00	14.40	29.20	7.80	62.80	107.50	1.50	0.00	0.00	0.00	0.00	
27	0.00	0.00	13.60	26.40	7.50	55.60	112.50	1.20	0.00	0.00	0.00	0.00	
28	0.00	0.00	14.00	24.00	7.50	47.60	113.50	0.90	0.00	0.00	0.00	0.00	
29	0.00	0.00	16.40	20.80	7.20	41.60	110.00	0.30	0.00	0.00	0.00	0.00	
30	0.00	0.00	17.20	17.60	7.20	36.40	104.00	0.00	0.00	0.00	0.00	0.00	
31		0.00		14.80	6.90		94.50		0.00	0.00		0.00	
Total	0.00	0.00	245.90	513.90	296.00	1375.80	1333.50	438.80	13.20				



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.54	1.60	1.05	1.05	1.75	9.00	3.87	2.70	0.24	0.21	0.60	0.64		
2	0.54	1.40	0.96	0.76	5.27	8.07	5.73	1.85	0.24	0.21	0.96	0.60		
3	0.51	1.15	0.88	1.10	1.85	8.07	4.57	2.93	0.24	0.21	0.84	0.60		
4	0.72	1.00	0.72	0.92	0.60	2.70	4.10	6.90	0.21	0.33	0.80	0.60		
5	0.72	1.15	0.57	0.84	0.64	11.10	2.23	6.20	0.21	0.36	0.76	0.60		
6	0.60	1.15	0.76	0.80	0.68	15.60	2.70	5.97	0.27	0.48	0.68	0.57		
7	0.76	1.05	1.30	0.80	0.72	18.40	5.73	5.73	0.27	1.10	0.68	0.80		
8	0.92	0.96	1.35	0.92	0.72	5.97	7.13	5.27	0.39	0.21	0.64	5.73		
9	0.92	0.88	1.70	1.50	0.68	28.40	6.43	3.63	1.60	0.24	0.64	1.35		
10	0.88	0.84	2.23	2.23	0.68	105.00	4.80	1.25	1.30	0.36	0.64	1.25		
11	0.84	0.80	3.40	8.07	0.64	47.50	8.07	0.76	1.25	0.45	0.68	1.50		
12	0.80	0.76	1.90	7.13	0.33	22.00	11.10	0.51	1.20	0.36	0.68	1.80		
13	0.76	0.72	1.55	5.97	0.24	11.40	7.60	0.15	1.10	0.39	0.68	0.88		
14	0.60	0.68	5.50	5.73	0.18	58.60	7.13	0.00	1.05	0.33	0.64	0.88		
15	0.54	0.68	5.97	2.70	0.21	58.60	7.13	0.00	0.96	0.36	0.64	0.45		
16	0.60	0.64	2.47	1.70	0.24	24.40	67.00	0.00	0.68	0.39	0.72	0.68		
17	0.68	0.60	5.27	1.60	0.21	45.00	37.50	0.00	0.60	0.68	0.76	1.35		
18	1.60	0.60	2.47	1.45	0.45	12.60	30.40	0.00	0.60	0.64	0.72	0.57		
19	1.35	0.60	0.76	1.25	0.72	6.67	13.20	0.00	0.57	0.64	0.76	0.72		
20	1.15	0.60	1.90	1.25	0.72	2.70	6.43	0.00	0.68	0.64	0.72	0.64		
21	1.10	0.60	1.20	1.60	0.72	21.20	5.50	0.00	0.68	0.64	0.72	0.72		
22	1.05	0.64	0.68	2.47	0.72	47.00	7.37	0.00	0.68	0.64	0.72	0.80		
23	0.92	0.92	0.68	6.67	1.25	55.00	10.20	0.00	0.68	0.64	0.72	0.76		
24	0.84	0.96	1.05	11.70	1.75	16.50	7.60	0.12	0.68	0.64	0.68	0.72		
25	0.80	1.40	1.40	12.60	1.55	77.20	5.97	0.45	0.68	0.68	0.68	0.76		
26	0.76	1.45	0.88	12.30	4.57	74.80	5.97	0.33	0.68	0.68	0.68	0.76		
27	0.80	1.20	0.76	9.60	6.90	34.00	5.97	0.30	0.68	0.64	0.68	0.72		
28	0.88	1.05	0.72	4.33	6.43	12.30	5.50	0.27	0.68	0.60	0.64	0.72		
29	0.92	1.10	0.80	3.87	5.73	6.20	8.30	0.24	0.57	0.57		0.72		
30	1.00	1.20	1.10	3.63	4.10	4.33	7.83	0.24	0.27	0.54		0.72		
31		1.15		1.70	6.90		5.27		0.24	0.64		0.72		
Total	25.10	29.53	51.98	118.24	58.15	850.31	318.33	45.80	20.18	15.50	19.76	30.33	1583.21	CMSDAY
Mean	0.84	0.95	1.73	3.81	1.88	28.34	10.27	1.53	0.65	0.50	0.71	0.98	4.34	CMS
Max	1.60	1.60	5.97	12.60	6.90	105.00	67.00	6.90	1.60	1.10	0.96	5.73	105.00	CMS
Min	0.51	0.60	0.57	0.76	0.18	2.70	2.23	0.00	0.21	0.21	0.60	0.45	0.00	CMS
Runoff	2.17	2.55	4.49	10.22	5.02	73.47	27.50	3.96	1.74	1.34	1.71	2.62	136.79	MCM
Momentary Peak	152.00 CMS. at 264.50 m. (MSL.) at 11.00 Hours , on Sep 10, 2021													
Runoff Yield	27.63	Liters/Second/Square KM.			Momentary Peak Yield		968.15	Liters/Second/Square KM.						

WATER YEAR : 2021**KHONG RIVER BASIN****Huai Nam Huai at Ban Nam Huai , Loei (Kh.78)**

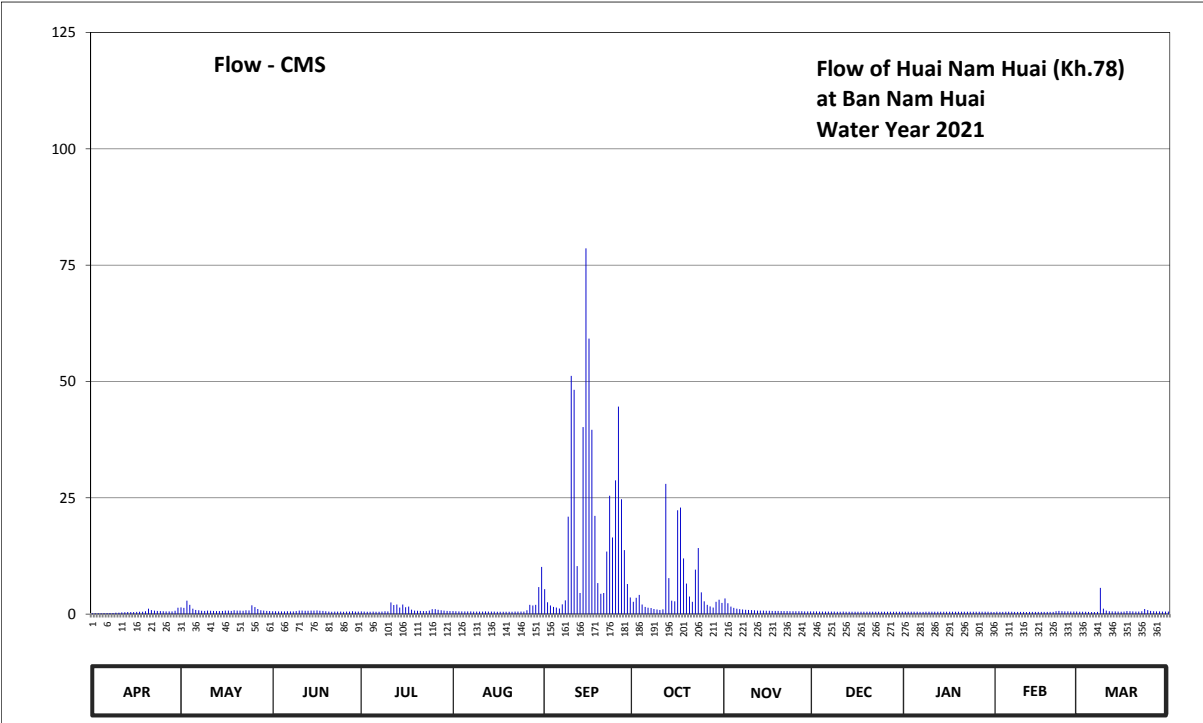
Lat 17 - 23 - 08 N Long 101 - 42 - 28 E

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

	Ban	Nam Huai	Amphoe	Mueang	Changwat	Loei
Drainage 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	No overbank flow.					
General Description	Records good. The concrete weir situated about 700 meters downstream from the gage site. Stage-discharge relation defined by 34 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	247.57	248.38	248.02	247.98	248.03	249.04	248.65	248.78	247.98	247.90	247.91	247.93	
2	247.58	248.35	248.00	247.95	248.01	248.63	248.80	248.59	247.97	247.90	247.89	247.92	
3	247.58	248.70	247.98	247.90	247.99	248.49	248.89	248.43	247.96	247.90	247.89	247.90	
4	247.58	248.52	247.97	247.91	247.99	248.41	248.53	248.35	247.96	247.90	247.90	247.87	
5	247.59	248.28	247.99	247.94	247.98	248.37	248.41	248.29	247.95	247.90	247.90	247.85	
6	247.61	248.17	248.01	247.92	247.97	248.30	248.36	248.25	247.95	247.89	247.90	247.85	
7	247.63	248.14	247.99	247.91	247.97	248.54	248.34	248.22	247.95	247.89	247.89	247.88	
8	247.65	248.08	247.99	247.94	247.96	248.71	248.26	248.19	247.94	247.90	247.89	249.07	
9	247.69	248.06	248.04	248.01	247.95	250.13	248.21	248.17	247.93	247.90	247.89	248.29	
10	247.72	248.09	248.11	247.99	247.94	251.81	248.17	248.15	247.92	247.91	247.88	248.09	
11	247.78	248.08	248.11	248.62	247.96	251.66	248.23	248.13	247.94	247.91	247.86	248.01	
12	247.81	248.05	248.08	248.51	247.97	249.42	250.60	248.11	247.93	247.91	247.87	247.98	
13	247.83	248.04	248.07	248.53	247.96	248.94	249.25	248.10	247.92	247.92	247.88	247.97	
14	247.84	248.04	248.09	248.37	247.95	251.26	248.70	248.09	247.92	247.91	247.88	247.95	
15	247.85	248.05	248.11	248.53	247.95	253.18	248.67	248.08	247.92	247.90	247.88	247.93	
16	247.88	248.09	248.12	248.39	247.92	252.21	250.22	248.07	247.92	247.91	247.89	247.96	
17	247.91	248.09	248.08	248.43	247.92	251.23	250.26	248.06	247.92	247.91	247.89	248.03	
18	247.92	248.06	248.05	248.20	247.92	250.14	249.53	248.06	247.91	247.90	247.89	248.01	
19	248.02	248.13	248.01	248.11	247.92	249.17	249.16	248.05	247.91	247.90	247.88	247.97	
20	248.28	248.10	247.94	248.07	247.93	248.92	248.84	248.04	247.90	247.90	247.89	247.95	
21	248.16	248.09	247.93	248.06	247.93	248.94	248.65	248.04	247.90	247.90	248.01	247.94	
22	248.09	248.08	247.94	248.04	247.95	249.63	249.37	248.03	247.91	247.91	248.05	248.02	
23	248.05	248.14	247.94	248.04	247.95	250.43	249.68	248.02	247.92	247.91	248.02	248.26	
24	248.04	248.12	247.95	248.10	247.94	249.83	248.96	248.01	247.93	247.90	247.99	248.15	
25	248.01	248.50	247.93	248.24	247.95	250.65	248.67	248.01	247.93	247.91	247.97	248.05	
26	247.98	248.40	247.94	248.25	248.14	251.48	248.52	248.01	247.93	247.91	247.96	248.01	
27	247.97	248.26	247.96	248.19	248.52	250.38	248.44	248.00	247.91	247.91	247.95	247.99	
28	247.97	248.14	248.00	248.14	248.49	249.65	248.37	247.99	247.91	247.91	247.94	247.97	
29	248.07	248.10	247.96	248.09	248.52	249.15	248.65	247.97	247.92	247.90		247.96	
30	248.36	248.06	247.94	248.05	249.09	248.81	248.73	247.99	247.92	247.88		247.96	
31		248.03		248.04	249.41		248.60		247.91	247.86		247.96	
Mean	247.87	248.17	248.01	248.14	248.10	249.85	248.86	248.14	247.93	247.90	247.92	248.02	
Max	248.36	248.70	248.12	248.62	249.41	253.18	250.60	248.78	247.98	247.92	248.05	249.07	253.18
Min	247.57	248.03	247.93	247.90	247.92	248.30	248.17	247.97	247.90	247.86	247.86	247.85	247.57
Annual Max Momentary Gage Height	254.07		m. (MSL.) ,			at 23.00 Hours ,	on Sep 15, 2021						
Zero Gage at Bottom Elevation	246.20		m. (MSL.) ,			River Bed	247.12	m. (MSL.)					
Left Bank Elevation		255.82		m. (MSL.) ,									
Right Bank Elevation		254.26		m. (MSL.) ,		Drainage Are	217	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.17	1.44	0.63	0.58	0.65	5.36	2.65	3.38	0.58	0.50	0.51	0.53		
2	0.18	1.35	0.60	0.55	0.62	2.55	3.50	2.35	0.57	0.50	0.49	0.52		
3	0.18	2.90	0.58	0.50	0.59	1.86	4.13	1.62	0.56	0.50	0.49	0.50		
4	0.18	2.00	0.57	0.51	0.59	1.54	2.05	1.35	0.56	0.50	0.50	0.47		
5	0.19	1.15	0.59	0.54	0.58	1.41	1.54	1.18	0.55	0.50	0.50	0.45		
6	0.21	0.89	0.62	0.52	0.57	1.20	1.38	1.08	0.55	0.49	0.50	0.45		
7	0.23	0.83	0.59	0.51	0.57	2.10	1.32	1.00	0.55	0.49	0.49	0.48		
8	0.25	0.72	0.59	0.54	0.56	2.96	1.10	0.93	0.54	0.50	0.49	5.63		
9	0.29	0.69	0.66	0.62	0.55	20.95	0.98	0.89	0.53	0.50	0.49	1.18		
10	0.32	0.74	0.77	0.59	0.54	51.20	0.89	0.85	0.52	0.51	0.48	0.74		
11	0.38	0.72	0.77	2.50	0.56	48.20	1.03	0.81	0.54	0.51	0.46	0.62		
12	0.41	0.68	0.72	1.95	0.57	10.30	28.00	0.77	0.53	0.51	0.47	0.58		
13	0.43	0.66	0.71	2.05	0.56	4.52	7.75	0.75	0.52	0.52	0.48	0.57		
14	0.44	0.66	0.74	1.41	0.55	40.20	2.90	0.74	0.52	0.51	0.48	0.55		
15	0.45	0.68	0.77	2.05	0.55	78.60	2.75	0.72	0.52	0.50	0.48	0.53		
16	0.48	0.74	0.79	1.47	0.52	59.20	22.30	0.71	0.52	0.51	0.49	0.56		
17	0.51	0.74	0.72	1.62	0.52	39.60	22.90	0.69	0.52	0.51	0.49	0.65		
18	0.52	0.69	0.68	0.95	0.52	21.10	11.95	0.69	0.51	0.50	0.49	0.62		
19	0.63	0.81	0.62	0.77	0.52	6.67	6.56	0.68	0.51	0.50	0.48	0.57		
20	1.15	0.75	0.54	0.71	0.53	4.36	3.78	0.66	0.50	0.50	0.49	0.55		
21	0.87	0.74	0.53	0.69	0.53	4.52	2.65	0.66	0.50	0.50	0.62	0.54		
22	0.74	0.72	0.54	0.66	0.55	13.45	9.55	0.65	0.51	0.51	0.68	0.63		
23	0.68	0.83	0.54	0.66	0.55	25.45	14.20	0.63	0.52	0.51	0.63	1.10		
24	0.66	0.79	0.55	0.75	0.54	16.45	4.68	0.62	0.53	0.50	0.59	0.85		
25	0.62	1.90	0.53	1.05	0.55	28.75	2.75	0.62	0.53	0.51	0.57	0.68		
26	0.58	1.50	0.54	1.08	0.83	44.60	2.00	0.62	0.53	0.51	0.56	0.62		
27	0.57	1.10	0.56	0.93	2.00	24.70	1.66	0.60	0.51	0.51	0.55	0.59		
28	0.57	0.83	0.60	0.83	1.86	13.75	1.41	0.59	0.51	0.51	0.54	0.57		
29	0.71	0.75	0.56	0.74	2.00	6.45	2.65	0.57	0.52	0.50		0.56		
30	1.38	0.69	0.54	0.68	5.81	3.57	3.08	0.59	0.52	0.48		0.56		
31		0.65		0.66	10.15		2.40		0.51	0.46		0.56		
Total	14.98	30.34	18.75	29.67	36.59	585.57	176.49	28.00	16.39	15.56	14.49	24.01	990.84	CMSDAY
Mean	0.50	0.98	0.62	0.96	1.18	19.52	5.69	0.93	0.53	0.50	0.52	0.77	2.71	CMS
Max	1.38	2.90	0.79	2.50	10.15	78.60	28.00	3.38	0.58	0.52	0.68	5.63	78.60	CMS
Min	0.17	0.65	0.53	0.50	0.52	1.20	0.89	0.57	0.50	0.46	0.46	0.45	0.17	CMS
Runoff	1.29	2.62	1.62	2.56	3.16	50.59	15.25	2.42	1.42	1.34	1.25	2.07	85.61	MCM
Momentary Peak	CMS. at 254.07 m. (MSL.) at 23.00 Hours , on Sep 15 , 2021													
Runoff Yield	12.51	Liters/Second/Square KM.			Momentary Peak Yield			444.24	Liters/Second/Square KM.					

WATER YEAR : 2021

KHONG RIVER BASIN

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

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

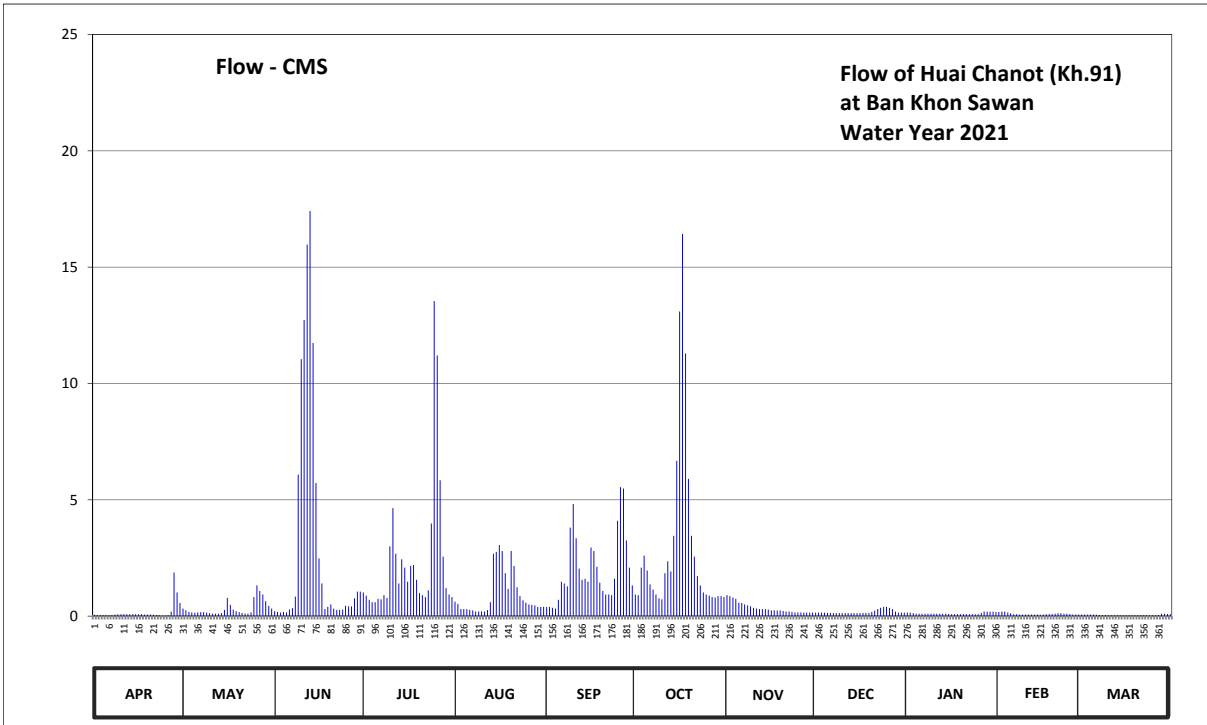
Location : on right bank at the bridge on highway.

	Ban Tong Khop	Amphoe Khok Si Suphan	Changwat Sakon Nakhon
Drainage Area	842 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+157.400 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 +164.130 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 40 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	159.90	160.44	160.45	160.58	160.76	160.44	160.80	160.45	160.32	160.31	160.06	160.10	
2	159.86	160.41	160.39	160.52	160.73	160.44	161.14	160.45	160.32	160.25	160.11	160.15	
3	159.86	160.44	160.36	160.46	160.69	160.43	160.85	160.45	160.29	160.16	160.15	160.16	
4	159.87	160.46	160.30	160.44	160.65	160.43	160.71	160.44	160.25	160.15	160.15	160.21	
5	159.89	160.52	160.26	160.42	160.63	160.48	160.59	160.44	160.24	160.15	160.17	160.21	
6	159.92	160.49	160.27	160.45	160.60	161.32	160.57	160.42	160.25	160.33	160.21	160.15	
7	159.90	160.43	160.46	160.44	160.57	160.74	160.66	160.40	160.22	160.31	160.24	160.10	
8	159.88	160.45	160.58	160.40	160.55	160.54	160.65	160.37	160.24	160.26	160.18	160.10	
9	159.86	160.39	161.47	160.51	160.54	160.52	160.65	160.35	160.24	160.21	160.12	160.22	
10	159.85	160.35	162.09	161.98	160.54	160.50	160.67	160.35	160.26	160.16	160.12	160.14	
11	159.85	160.41	162.08	162.16	160.46	160.51	162.34	160.35	160.25	160.22	160.07	160.15	
12	159.85	160.45	161.78	161.96	160.37	160.67	161.90	160.33	160.25	160.15	160.06	160.15	
13	159.86	160.47	162.65	161.94	160.47	161.15	161.26	160.34	160.24	160.17	160.14	160.16	
14	159.86	160.61	161.69	161.86	161.78	162.22	161.43	160.34	160.24	160.23	160.26	160.17	
15	159.85	160.59	161.16	161.84	160.76	162.71	162.85	160.32	160.30	160.29	160.26	160.21	
16	159.85	160.54	160.85	161.48	160.48	162.36	162.44	160.34	160.34	160.40	160.25	160.24	
17	159.86	160.58	160.77	161.45	160.45	161.80	162.04	160.32	160.31	160.35	160.22	160.29	
18	159.89	160.55	160.67	161.10	160.38	161.10	161.71	160.32	160.26	160.31	160.21	160.35	
19	159.90	160.52	160.60	161.72	160.45	160.79	161.21	160.31	160.26	160.25	160.18	160.29	
20	159.94	160.49	160.55	161.09	160.46	160.76	160.86	160.33	160.25	160.16	160.15	160.25	
21	159.92	160.46	160.56	160.94	160.81	160.94	160.70	160.35	160.22	160.16	160.13	160.24	
22	159.94	160.44	160.62	160.84	160.61	160.95	160.67	160.35	160.23	160.20	160.12	160.23	
23	159.89	160.44	160.66	160.87	160.51	160.95	160.65	160.35	160.28	160.15	160.12	160.26	
24	159.87	160.43	160.66	161.29	160.49	160.97	160.60	160.32	160.35	160.15	160.10	160.34	
25	159.89	160.45	160.73	163.28	160.45	160.99	160.57	160.32	160.35	160.17	160.11	160.31	
26	160.22	160.48	160.68	163.10	160.44	161.59	160.54	160.33	160.37	160.20	160.08	160.28	
27	160.98	160.50	160.64	161.89	160.44	161.40	160.49	160.35	160.43	160.20	160.06	160.24	
28	161.19	160.53	160.63	161.44	160.47	161.02	160.46	160.34	160.34	160.36	160.06	160.19	
29	160.56	160.53	160.64	161.05	160.44	160.71	160.45	160.30	160.35	160.31		160.17	
30	160.44	160.50	160.63	160.90	160.51	160.50	160.45	160.32	160.35	160.20		160.03	
31		160.46		160.82	160.46		160.44		160.33	160.11		160.06	
Mean	160.01	160.48	160.86	161.27	160.58	161.00	161.01	160.36	160.29	160.23	160.15	160.20	
Max	161.19	160.61	162.65	163.28	161.78	162.71	162.85	160.45	160.43	160.40	160.26	160.35	163.28
Min	159.85	160.35	160.26	160.40	160.37	160.43	160.44	160.30	160.22	160.11	160.06	160.03	159.85
Annual Max Momentary Gage Height	164.25		m. (MSL.) ,				at 03.00 Hours , on Jul 26, 2021						
Zero Gage at Bottom Elevation	157.40		m. (MSL.) ,			River Bed	158.83	m. (MSL.)					
Left Bank Elevation		164.12		m. (MSL.) ,									
Right Bank Elevation		166.06		m. (MSL.) ,		Drainage Are	842	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	5.20	5.50	11.00	14.40	5.20	15.00	5.50	2.40	2.20	0.00	0.00	
2	0.00	4.30	3.80	8.00	13.95	5.20	20.80	5.50	2.40	1.50	0.10	0.50	
3	0.00	5.20	3.20	5.80	13.35	4.90	15.75	5.50	1.90	0.60	0.50	0.60	
4	0.00	5.80	2.00	5.20	12.75	4.90	13.65	5.20	1.50	0.50	0.50	1.10	
5	0.00	8.00	1.60	4.60	12.45	6.40	11.50	5.20	1.40	0.50	0.70	1.10	
6	0.00	6.70	1.70	5.50	12.00	24.40	10.50	4.60	1.50	2.60	1.10	0.50	
7	0.00	4.90	5.80	5.20	10.50	14.10	12.90	4.00	1.20	2.20	1.40	0.00	
8	0.00	5.50	11.00	4.00	9.50	9.00	12.75	3.40	1.40	1.60	0.80	0.00	
9	0.00	3.80	27.40	7.50	9.00	8.00	12.75	3.00	1.40	1.10	0.20	1.20	
10	0.00	3.00	39.98	37.60	9.00	7.00	13.05	3.00	1.60	0.60	0.20	0.40	
11	0.00	4.30	39.76	41.52	5.80	7.50	45.48	3.00	1.50	1.20	0.00	0.50	
12	0.00	5.50	33.60	37.20	3.40	13.05	36.00	2.60	1.50	0.50	0.00	0.50	
13	0.00	6.10	52.30	36.80	6.10	21.00	23.20	2.80	1.40	0.70	0.40	0.60	
14	0.00	12.15	31.80	35.20	33.60	42.84	26.60	2.80	1.40	1.30	1.60	0.70	
15	0.00	11.50	21.20	34.80	14.40	53.62	56.70	2.40	2.00	1.90	1.60	1.10	
16	0.00	9.00	15.75	27.60	6.40	45.92	47.68	2.80	2.80	4.00	1.50	1.40	
17	0.00	11.00	14.55	27.00	5.50	34.00	38.88	2.40	2.20	3.00	1.20	1.90	
18	0.00	9.50	13.05	20.00	3.60	20.00	32.20	2.40	1.60	2.20	1.10	3.00	
19	0.00	8.00	12.00	32.40	5.50	14.85	22.20	2.20	1.60	1.50	0.80	1.90	
20	0.00	6.70	9.50	19.80	5.80	14.40	15.90	2.60	1.50	0.60	0.50	1.50	
21	0.00	5.80	10.00	17.10	15.15	17.10	13.50	3.00	1.20	0.60	0.30	1.40	
22	0.00	5.20	12.30	15.60	12.15	17.25	13.05	3.00	1.30	1.00	0.20	1.30	
23	0.00	5.20	12.90	16.05	7.50	17.25	12.75	3.00	1.80	0.50	0.20	1.60	
24	0.00	4.90	12.90	23.80	6.70	17.55	12.00	2.40	3.00	0.50	0.00	2.80	
25	0.00	5.50	13.95	67.28	5.50	17.85	10.50	2.40	3.00	0.70	0.10	2.20	
26	1.20	6.40	13.20	62.60	5.20	29.80	9.00	2.60	3.40	1.00	0.00	1.80	
27	17.70	7.00	12.60	35.80	5.20	26.00	6.70	3.00	4.90	1.00	0.00	1.40	
28	21.80	8.50	12.45	26.80	6.10	18.40	5.80	2.80	2.80	3.20	0.00	0.90	
29	10.00	8.50	12.60	19.00	5.20	13.65	5.50	2.00	3.00	2.20		0.70	
30	5.20	7.00	12.45	16.50	7.50	7.00	5.50	2.40	3.00	1.00		0.00	
31		5.80		15.30	5.80		5.20		2.60	0.10		0.00	
Total	55.90	205.95	470.84	722.55	289.00	538.13	582.99	97.50	64.20	42.10	15.00	32.60</	



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.06	0.32	0.21	1.02	0.62	0.40	0.93	0.90	0.15	0.15	0.18	0.07		
2	0.05	0.25	0.18	0.88	0.52	0.40	0.90	0.86	0.15	0.15	0.19	0.07		
3	0.05	0.18	0.15	0.70	0.30	0.36	2.08	0.80	0.15	0.13	0.19	0.07		
4	0.05	0.16	0.18	0.60	0.30	0.32	2.60	0.74	0.15	0.10	0.16	0.07		
5	0.05	0.14	0.16	0.60	0.30	0.70	1.96	0.58	0.14	0.10	0.12	0.07		
6	0.04	0.16	0.28	0.74	0.27	1.48	1.36	0.56	0.14	0.10	0.08	0.06		
7	0.05	0.17	0.34	0.72	0.25	1.40	1.14	0.50	0.13	0.10	0.08	0.05		
8	0.07	0.17	0.84	0.90	0.20	1.28	0.93	0.46	0.13	0.10	0.07	0.05		
9	0.08	0.15	6.08	0.78	0.20	3.80	0.76	0.42	0.13	0.10	0.07	0.05		
10	0.08	0.12	11.04	3.00	0.20	4.82	0.72	0.36	0.13	0.10	0.07	0.04		
11	0.08	0.10	12.73	4.64	0.20	3.35	1.84	0.32	0.13	0.10	0.07	0.04		
12	0.08	0.10	15.97	2.68	0.26	2.04	2.36	0.30	0.13	0.10	0.07	0.04		
13	0.08	0.10	17.41	1.40	0.60	1.56	1.92	0.30	0.13	0.10	0.07	0.04		
14	0.08	0.13	11.74	2.44	2.68	1.60	3.45	0.30	0.13	0.10	0.07	0.04		
15	0.08	0.27	5.72	2.08	2.76	1.48	6.68	0.28	0.13	0.09	0.06	0.04		
16	0.08	0.78	2.48	1.48	3.05	2.95	13.09	0.25	0.13	0.08	0.07	0.04		
17	0.08	0.48	1.40	2.16	2.80	2.80	16.42	0.25	0.14	0.08	0.08	0.04		
18	0.07	0.28	0.30	2.20	1.84	2.12	11.29	0.24	0.14	0.08	0.08	0.04		
19	0.07	0.21	0.40	1.56	1.17	1.44	5.90	0.24	0.14	0.08	0.09	0.04		
20	0.07	0.17	0.50	0.99	2.80	1.08	3.45	0.22	0.18	0.08	0.10	0.04		
21	0.06	0.13	0.32	0.90	2.16	0.93	2.56	0.20	0.23	0.08	0.12	0.05		
22	0.05	0.11	0.27	0.82	1.24	0.93	1.72	0.20	0.30	0.08	0.12	0.05		
23	0.04	0.10	0.27	1.11	0.86	0.90	1.32	0.18	0.36	0.08	0.10	0.04		
24	0.03	0.16	0.28	3.98	0.68	1.60	1.02	0.16	0.40	0.08	0.10	0.04		
25	0.03	0.82	0.44	13.54	0.58	4.10	0.93	0.16	0.40	0.08	0.09	0.04		
26	0.04	1.32	0.42	11.20	0.50	5.54	0.88	0.16	0.36	0.14	0.07	0.04		
27	0.19	1.08	0.42	5.84	0.48	5.48	0.82	0.15	0.30	0.20	0.07	0.05		
28	1.88	0.93	0.76	2.56	0.46	3.25	0.80	0.15	0.19	0.19	0.07	0.10		
29	1.02	0.64	1.05	1.20	0.40	2.08	0.86	0.15	0.15	0.19		0.10		
30	0.56	0.44	1.05	0.93	0.40	1.32	0.86	0.15	0.15	0.19		0.09		
31		0.32		0.82	0.40		0.82		0.15	0.18		0.08		
Total	5.25	10.49	93.39	74.47	29.48	61.51	92.37	10.54	5.77	3.51	2.71	1.68	391.17	CMSDAY
Mean	0.17	0.34	3.11	2.40	0.95	2.05	2.98	0.35	0.19	0.11	0.10	0.05	1.07	CMS
Max	1.88	1.32	17.41	13.54	3.05	5.54	16.42	0.90	0.40	0.20	0.19	0.10	17.41	CMS
Min	0.03	0.10	0.15	0.60	0.20	0.32	0.72	0.15	0.13	0.08	0.06	0.04	0.03	CMS
Runoff	0.45	0.91	8.07	6.43	2.55	5.31	7.98	0.91	0.50	0.30	0.23	0.15	33.80	MCM
Momentary Peak	18.22	CMS. at 153.08 m. (MSL.) at 11.00 Hours , on Jun 13, 2021												
Runoff Yield	6.34	Liters/Second/Square KM.				Momentary Peak Yield				107.81	Liters/Second/Square KM.			

WATER YEAR : 2021**KHONG RIVER BASIN****Huai Bang Sai at Ban Kan Luang Dong , Muk Dahan (Kh.92)**

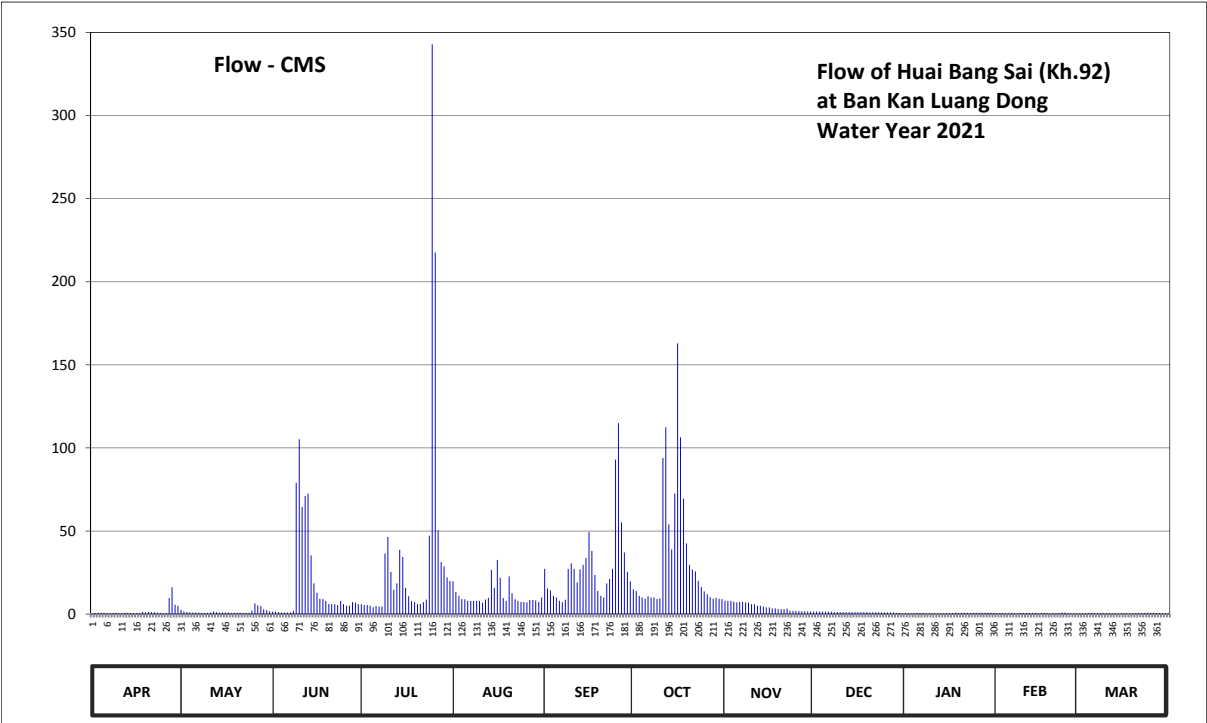
Lat 16 - 44 - 12 N Long 104 - 31 - 10 E

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.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+148.100 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On left bank at the footpath of the bridge.				Elevation	+159.233 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 +154.740 m.(MSL.), records are channel flow only.					
General Description	Records good. The local weir situated downstream from the gage site.					
	Stage-discharge relation defined by 43 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	148.70	149.05	148.90	149.40	150.09	150.34	149.93	149.61	148.90	148.70	148.73	148.70	
2	148.73	148.90	148.90	149.35	149.88	149.95	149.90	149.60	148.90	148.70	148.73	148.70	
3	148.75	148.85	148.85	149.35	149.80	149.91	149.80	149.60	148.90	148.70	148.73	148.70	
4	148.75	148.82	148.80	149.30	149.70	149.80	149.75	149.55	148.90	148.70	148.70	148.70	
5	148.75	148.80	148.80	149.21	149.69	149.75	149.71	149.50	148.90	148.73	148.70	148.73	
6	148.73	148.80	148.80	149.29	149.60	149.60	149.79	149.53	148.90	148.73	148.70	148.73	
7	148.70	148.80	148.81	149.25	149.60	149.51	149.75	149.53	148.88	148.73	148.70	148.71	
8	148.73	148.75	149.00	149.26	149.60	149.67	149.75	149.50	148.85	148.70	148.70	148.70	
9	148.73	148.73	151.72	150.65	149.60	150.34	149.70	149.49	148.85	148.70	148.73	148.70	
10	148.70	148.75	152.22	150.98	149.60	150.45	149.72	149.40	148.85	148.70	148.73	148.70	
11	148.71	148.80	151.43	150.28	149.49	150.34	152.02	149.39	148.83	148.70	148.73	148.70	
12	148.78	148.93	151.56	149.92	149.68	150.07	152.34	149.30	148.83	148.70	148.73	148.70	
13	148.75	148.83	151.59	150.05	149.74	150.33	151.20	149.30	148.83	148.70	148.75	148.70	
14	148.73	148.80	150.61	150.72	150.32	150.42	150.73	149.25	148.83	148.70	148.75	148.68	
15	148.73	148.80	150.05	150.58	149.96	150.56	151.59	149.20	148.83	148.70	148.72	148.68	
16	148.71	148.80	149.86	149.96	150.52	151.08	153.17	149.20	148.83	148.73	148.73	148.68	
17	148.71	148.80	149.71	149.79	150.16	150.70	152.24	149.15	148.83	148.73	148.73	148.69	
18	148.84	148.75	149.70	149.58	149.73	150.22	151.53	149.15	148.83	148.77	148.70	148.70	
19	148.81	148.75	149.59	149.52	149.60	149.90	150.85	149.10	148.83	148.74	148.70	148.70	
20	148.84	148.75	149.41	149.40	150.19	149.80	150.42	149.10	148.82	148.75	148.70	148.71	
21	148.84	148.77	149.40	149.41	149.85	149.75	150.33	149.10	148.82	148.75	148.70	148.72	
22	148.81	148.75	149.40	149.52	149.69	150.05	150.29	149.13	148.82	148.75	148.74	148.73	
23	148.78	148.75	149.34	149.68	149.60	150.14	150.10	149.01	148.81	148.75	148.78	148.73	
24	148.75	148.76	149.60	151.01	149.53	150.34	149.98	149.00	148.81	148.75	148.77	148.75	
25	148.70	149.01	149.41	155.29	149.52	152.00	149.89	149.00	148.81	148.75	148.70	148.75	
26	148.72	149.44	149.31	153.87	149.51	152.38	149.83	148.97	148.80	148.75	148.70	148.75	
27	149.73	149.33	149.31	151.11	149.65	151.23	149.76	148.95	148.80	148.77	148.70	148.73	
28	149.97	149.29	149.52	150.48	149.66	150.67	149.71	148.93	148.79	148.77	148.70	148.73	
29	149.37	149.09	149.49	150.39	149.62	150.28	149.74	148.93	148.73	148.75		148.73	
30	149.30	149.04	149.40	150.17	149.53	150.09	149.71	148.90	148.73	148.75		148.70	
31		148.95		150.10	149.75		149.70		148.70	148.75		148.70	
Mean	148.86	148.89	149.75	150.22	149.76	150.32	150.42	149.25	148.83	148.73	148.72	148.71	
Max	149.97	149.44	152.22	155.29	150.52	152.38	153.17	149.61	148.90	148.77	148.78	148.75	155.29
Min	148.70	148.73	148.80	149.21	149.49	149.51	149.70	148.90	148.70	148.70	148.70	148.68	148.68
Annual Max Momentary Gage Height	155.60		m. (MSL.) ,				at 18.00 Hours ,	on Jul 25, 2021					
Zero Gage at Bottom Elevation	148.10		m. (MSL.) ,				River Bed	147.68	m. (MSL.)				
Left Bank Elevation		154.73		m. (MSL.) ,									
Right Bank Elevation		158.70		m. (MSL.) ,		Drainage Are	1,122	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.50	2.50	1.50	6.00	19.70	27.20	14.90	8.10	1.50	0.50	0.65	0.50		
2	0.65	1.50	1.50	5.50	13.40	15.50	14.00	8.00	1.50	0.50	0.65	0.50		
3	0.75	1.25	1.25	5.50	11.00	14.30	11.00	8.00	1.50	0.50	0.65	0.50		
4	0.75	1.10	1.00	5.00	9.00	11.00	10.00	7.50	1.50	0.50	0.50	0.50		
5	0.75	1.00	1.00	4.10	8.90	10.00	9.20	7.00	1.50	0.65	0.50	0.65		
6	0.65	1.00	1.00	4.90	8.00	8.00	10.80	7.30	1.50	0.65	0.50	0.65		
7	0.50	1.00	1.05	4.50	8.00	7.10	10.00	7.30	1.40	0.65	0.50	0.55		
8	0.65	0.75	2.00	4.60	8.00	8.70	10.00	7.00	1.25	0.50	0.50	0.50		
9	0.65	0.65	79.00	36.50	8.00	27.20	9.00	6.90	1.25	0.50	0.65	0.50		
10	0.50	0.75	105.20	46.40	8.00	30.50	9.40	6.00	1.25	0.50	0.65	0.50		
11	0.55	1.00	64.50	25.40	6.90	27.20	94.00	5.90	1.15	0.50	0.65	0.50		
12	0.90	1.65	71.00	14.60	8.80	19.10	112.40	5.00	1.15	0.50	0.65	0.50		
13	0.75	1.15	72.50	18.50	9.80	26.90	54.00	5.00	1.15	0.50	0.75	0.50		
14	0.65	1.00	35.30	38.60	26.60	29.60	38.90	4.50	1.15	0.50	0.75	0.40		
15	0.65	1.00	18.50	34.40	15.80	33.80	72.50	4.00	1.15	0.50	0.60	0.40		
16	0.55	1.00	12.80	15.80	32.60	49.40	162.90	4.00	1.15	0.65	0.65	0.40		
17	0.55	1.00	9.20	10.80	21.80	38.00	106.40	3.50	1.15	0.65	0.65	0.45		
18	1.20	0.75	9.00	7.80	9.60	23.60	69.50	3.50	1.15	0.85	0.50	0.50		
19	1.05	0.75	7.90	7.20	8.00	14.00	42.50	3.00	1.15	0.70	0.50	0.50		
20	1.20	0.75	6.10	6.00	22.70	11.00	29.60	3.00	1.10	0.75	0.50	0.55		
21	1.20	0.85	6.00	6.10	12.50	10.00	26.90	3.00	1.10	0.75	0.50	0.60		
22	1.05	0.75	6.00	7.20	8.90	18.50	25.70	3.30	1.10	0.75	0.70	0.65		
23	0.90	0.75	5.40	8.80	8.00	21.20	20.00	2.10	1.05	0.75	0.90	0.65		
24	0.75	0.80	8.00	47.30	7.30	27.20	16.40	2.00	1.05	0.75	0.85	0.75		
25	0.50	2.10	6.10	342.78	7.20	93.00	13.70	2.00	1.05	0.75	0.50	0.75		
26	0.60	6.40	5.10	217.60	7.10	114.80	11.90	1.85	1.00	0.75	0.50	0.75		
27	9.60	5.30	5.10	50.40	8.50	55.20	10.20	1.75	1.00	0.85	0.50	0.65		
28	16.10	4.90	7.20	31.40	8.60	37.10	9.20	1.65	0.95	0.85	0.50	0.65		
29	5.70	2.90	6.90	28.70	8.20	25.40	9.80	1.65	0.65	0.75		0.65		
30	5.00	2.40	6.00	22.10	7.30	19.70	9.20	1.50	0.65	0.75		0.50		
31		1.75		20.00	10.00		9.00		0.50	0.75		0.50		
Total	55.80	50.45	563.10	1084.48	358.20	854.20	1053.00	135.30	35.70	20.00	16.90	17.15	4244.28	CMSDAY
Mean	1.86	1.63	18.77	34.98	11.55	28.47	33.97	4.51	1.15	0.65	0.60	0.55	11.63	CMS
Max	16.10	6.40	105.20	342.78	32.60	114.80	162.90	8.10	1.50	0.85	0.90	0.75	342.78	CMS
Min	0.50	0.65	1.00	4.10	6.90	7.10	9.00	1.50	0.50	0.50	0.50	0.40	0.40	CMS
Runoff	4.82	4.36	48.65	93.70	30.95	73.80	90.98	11.69	3.08	1.73	1.46	1.48	366.71	MCM
Momentary Peak	370.88 CMS. at 155.60 m. (MSL.) at 18.00 Hours , on Jul 25, 2021													
Runoff Yield	10.36 Liters/Second/Square KM.				Momentary Peak Yield 330.55				Liters/Second/Square KM.					

WATER YEAR : 2021**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 Duang	Changwat	Udon Thani
Drainage 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 36 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	154.29	154.47	154.59	155.96	154.97	155.21	155.65	155.97	155.07	155.03	154.79	154.80	
	2	154.29	154.47	154.57	155.69	154.93	155.23	155.48	155.73	155.07	155.04	154.79	154.80	
	3	154.30	154.49	154.55	155.41	154.86	155.17	155.36	155.55	155.07	155.04	154.79	154.80	
	4	154.30	154.49	154.55	155.21	154.83	155.14	155.37	155.44	155.07	155.04	154.79	154.80	
	5	154.32	154.49	154.55	155.13	154.81	155.41	155.41	155.32	155.06	155.04	154.78	154.80	
	6	154.32	154.48	154.55	155.18	154.82	156.87	155.32	155.18	155.08	155.01	154.78	154.80	
	7	154.31	154.48	154.55	155.19	154.84	156.87	155.24	155.15	155.14	154.96	154.78	154.80	
	8	154.31	154.48	154.58	155.15	154.82	156.56	155.17	155.13	155.11	154.94	154.78	154.79	
	9	154.29	154.48	154.64	155.10	154.80	156.40	155.11	155.12	155.11	154.94	154.78	154.78	
	10	154.28	154.47	154.66	155.12	154.78	156.39	155.09	155.07	155.11	154.93	154.75	154.77	
	11	154.29	154.47	154.90	155.15	154.75	156.40	155.11	155.01	155.09	154.92	154.73	154.77	
	12	154.30	154.47	156.01	155.15	154.80	156.35	155.25	154.96	155.07	154.92	154.73	154.75	
	13	154.30	154.47	157.16	155.15	154.90	156.12	155.29	154.92	155.05	154.92	154.73	154.74	
	14	154.32	154.46	157.58	155.13	154.97	156.58	155.50	154.87	155.05	154.92	154.73	154.74	
	15	154.31	154.46	157.76	155.03	155.07	156.97	156.14	154.80	155.06	154.91	154.72	154.74	
	16	154.31	154.46	157.75	154.95	155.12	157.21	156.65	154.80	155.08	154.88	154.70	154.74	
	17	154.32	154.46	157.70	154.95	155.12	157.40	156.83	154.77	155.10	154.88	154.69	154.79	
	18	154.32	154.46	157.63	154.93	155.14	157.50	156.89	154.75	155.10	154.86	154.71	154.80	
	19	154.33	154.45	157.45	154.84	155.06	157.51	156.90	154.75	155.11	154.85	154.71	154.81	
	20	154.33	154.45	157.15	154.83	154.99	157.41	156.73	154.72	155.13	154.85	154.71	154.80	
	21	154.32	154.46	156.44	154.83	154.94	157.22	156.52	154.79	155.13	154.84	154.71	154.79	
	22	154.31	154.46	155.54	154.81	154.88	156.88	157.04	154.95	155.13	154.82	154.70	154.80	
	23	154.31	154.46	155.27	154.92	154.83	156.62	157.67	155.07	155.11	154.82	154.70	154.80	
	24	154.31	154.48	155.29	155.06	154.79	156.48	157.74	155.09	155.05	154.81	154.70	154.83	
	25	154.31	154.49	155.42	155.20	154.76	156.30	157.72	155.09	155.05	154.81	154.74	154.83	
	26	154.32	154.52	155.51	155.25	154.75	156.21	157.67	155.08	155.04	154.81	154.77	154.83	
	27	154.33	154.56	155.57	155.26	154.78	156.29	157.59	155.07	155.08	154.83	154.79	154.83	
	28	154.35	154.60	155.81	155.31	154.89	156.22	157.47	155.07	155.09	154.83	154.79	154.85	
	29	154.45	154.64	156.15	155.26	155.15	156.02	157.32	155.07	155.05	154.83		154.85	
	30	154.46	154.64	156.15	155.11	155.19	155.79	157.04	155.07	155.04	154.82		154.85	
	31		154.61		155.02	155.17		156.55		155.04	154.81		154.85	
Mean		154.32	154.49	155.80	155.14	154.92	156.42	156.28	155.08	155.08	154.90	154.75	154.80	
Max		154.46	154.64	157.76	155.96	155.19	157.51	157.74	155.97	155.14	155.04	154.79	154.85	157.76
Min		154.28	154.45	154.55	154.81	154.75	155.14	155.09	154.72	155.04	154.81	154.69	154.74	154.28
Annual Max Momentary Gage Height		157.79		m. (MSL.) ,		at 18.00 Hours , on Jun 15, 2021								
Zero Gage at Bottom Elevation		153.10		m. (MSL.) ,		River Bed		152.32	m. (MSL.)					
Left Bank Elevation		160.74		m. (MSL.) ,										
Right Bank Elevation		157.81		m. (MSL.) ,		Drainage Are		752	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.00	6.60	0.35	1.55	3.75	6.70	0.85	0.65	0.00	0.00		
2	0.00	0.00	0.00	3.95	0.15	1.65	2.90	4.30	0.85	0.70	0.00	0.00		
3	0.00	0.00	0.00	2.55	0.00	1.35	2.30	3.25	0.85	0.70	0.00	0.00		
4	0.00	0.00	0.00	1.55	0.00	1.20	2.35	2.70	0.85	0.70	0.00	0.00		
5	0.00	0.00	0.00	1.15	0.00	2.55	2.55	2.10	0.80	0.70	0.00	0.00		
6	0.00	0.00	0.00	1.40	0.00	18.40	2.10	1.40	0.90	0.55	0.00	0.00		
7	0.00	0.00	0.00	1.45	0.00	18.40	1.70	1.25	1.20	0.30	0.00	0.00		
8	0.00	0.00	0.00	1.25	0.00	13.40	1.35	1.15	1.05	0.20	0.00	0.00		
9	0.00	0.00	0.00	1.00	0.00	11.00	1.05	1.10	1.05	0.20	0.00	0.00		
10	0.00	0.00	0.00	1.10	0.00	10.90	0.95	0.85	1.05	0.15	0.00	0.00		
11	0.00	0.00	0.00	1.25	0.00	11.00	1.05	0.55	0.95	0.10	0.00	0.00		
12	0.00	0.00	7.10	1.25	0.00	10.50	1.75	0.30	0.85	0.10	0.00	0.00		
13	0.00	0.00	24.20	1.25	0.00	8.20	1.95	0.10	0.75	0.10	0.00	0.00		
14	0.00	0.00	32.60	1.15	0.35	13.70	3.00	0.00	0.75	0.10	0.00	0.00		
15	0.00	0.00	36.20	0.65	0.85	20.40	8.40	0.00	0.80	0.05	0.00	0.00		
16	0.00	0.00	36.00	0.25	1.10	25.20	14.75	0.00	0.90	0.00	0.00	0.00		
17	0.00	0.00	35.00	0.25	1.10	29.00	17.60	0.00	1.00	0.00	0.00	0.00		
18	0.00	0.00	33.60	0.15	1.20	31.00	18.80	0.00	1.00	0.00	0.00	0.00		
19	0.00	0.00	30.00	0.00	0.80	31.20	19.00	0.00	1.05	0.00	0.00	0.00		
20	0.00	0.00	24.00	0.00	0.45	29.20	15.95	0.00	1.15	0.00	0.00	0.00		
21	0.00	0.00	11.60	0.00	0.20	25.40	12.80	0.00	1.15	0.00	0.00	0.00		
22	0.00	0.00	3.20	0.00	0.00	18.60	21.80	0.25	1.15	0.00	0.00	0.00		
23	0.00	0.00	1.85	0.10	0.00	14.30	34.40	0.85	1.05	0.00	0.00	0.00		
24	0.00	0.00	1.95	0.80	0.00	12.20	35.80	0.95	0.75	0.00	0.00	0.00		
25	0.00	0.00	2.60	1.50	0.00	10.00	35.40	0.95	0.75	0.00	0.00	0.00		
26	0.00	0.00	3.05	1.75	0.00	9.10	34.40	0.90	0.70	0.00	0.00	0.00		
27	0.00	0.00	3.35	1.80	0.00	9.90	32.80	0.85	0.90	0.00	0.00	0.00		
28	0.00	0.00	5.10	2.05	0.00	9.20	30.40	0.85	0.95	0.00	0.00	0.00		
29	0.00	0.00	8.50	1.80	1.25	7.20	27.40	0.85	0.75	0.00	0.00	0.00		
30	0.00	0.00	8.50	1.05	1.45	4.90	21.80	0.85	0.70	0.00	0.00	0.00		
31		0.00		0.60	1.35		13.25		0.70	0.00		0.00		
Total	0.00	0.00	308.40	39.65	10.60									

WATER YEAR : 2021**KHONG RIVER BASIN****Nam San at Ban Kaeng Hai , Loei (Kh.95)**

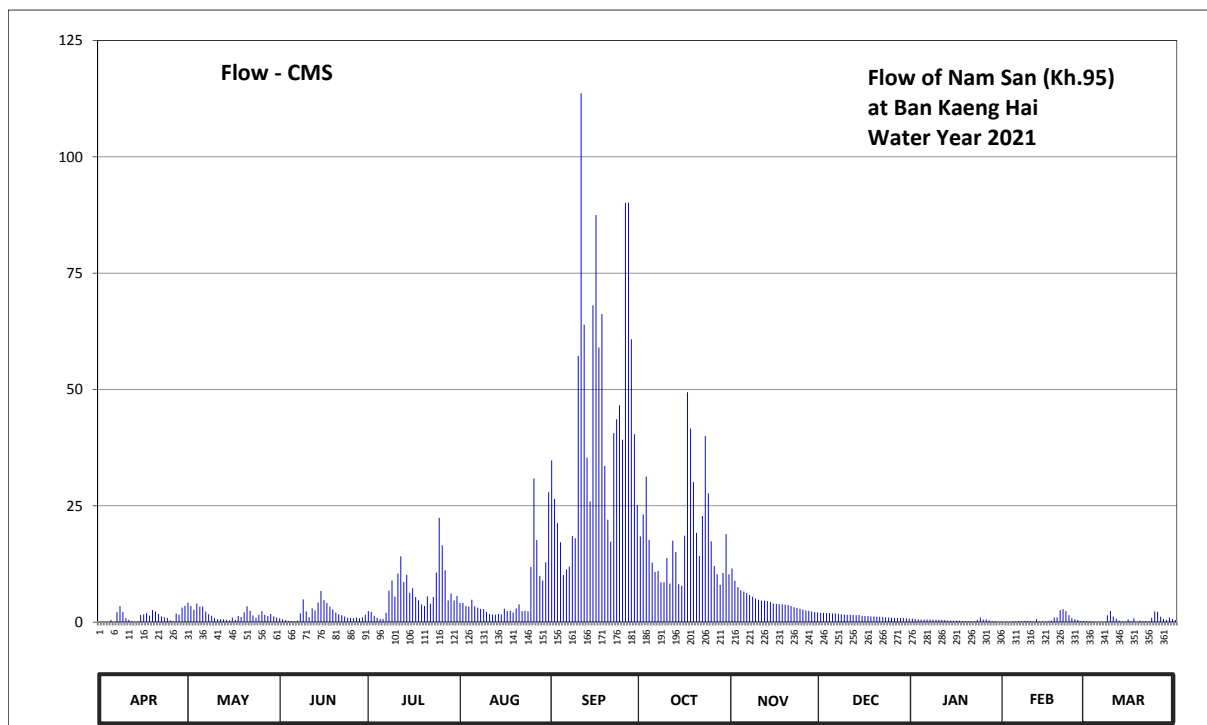
Lat 17 - 26 - 26 N Long 101 - 19 - 37 E

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

	Ban	Kaeng Hai	Amphoe	Phu Rua	Changwat	Loei
Drainage 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 32 discharge measurements made in 2021.					

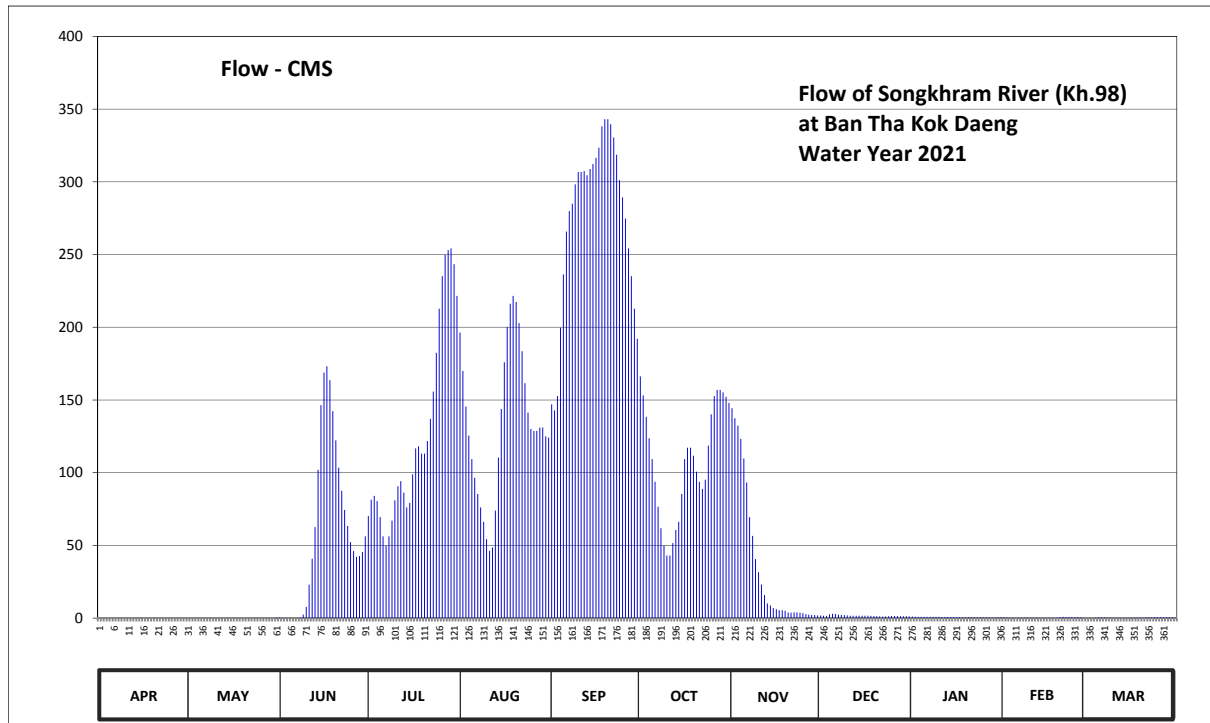
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	595.68	597.05	596.16	596.57	597.02	600.85	599.45	598.49	596.48	596.15	595.92	595.98	
2	595.68	596.86	596.11	596.53	597.03	600.26	600.01	598.12	596.47	596.12	595.94	596.00	
3	595.68	596.64	596.06	596.30	596.85	599.79	600.62	597.88	596.46	596.10	595.94	595.95	
4	595.75	597.00	596.01	596.19	596.82	599.28	599.35	597.71	596.45	596.09	595.96	595.92	
5	596.06	596.82	595.99	596.12	597.20	598.30	598.67	597.64	596.44	596.09	595.98	595.90	
6	595.92	596.83	595.99	596.13	596.83	598.46	598.39	597.56	596.44	596.09	596.00	595.88	
7	596.51	596.54	596.03	596.47	596.76	598.55	598.42	597.46	596.42	596.09	595.99	595.92	
8	596.85	596.40	596.44	597.69	596.70	599.46	598.08	597.37	596.39	596.08	595.98	596.33	
9	596.52	596.30	597.22	598.13	596.68	599.40	598.08	597.26	596.37	596.08	595.98	596.58	
10	596.17	596.17	596.55	597.37	596.53	601.84	598.81	597.20	596.36	596.07	595.98	596.26	
11	596.07	596.10	596.23	598.34	596.40	603.31	598.04	597.16	596.36	596.07	595.97	596.15	
12	595.99	596.10	596.73	598.86	596.37	602.05	599.33	597.15	596.35	596.06	596.11	596.03	
13	595.93	596.10	596.61	598.09	596.37	600.89	598.99	597.13	596.34	596.04	595.99	595.99	
14	595.96	596.07	597.05	598.30	596.41	600.22	598.02	597.08	596.35	596.04	595.96	595.93	
15	596.35	596.05	597.67	597.58	596.38	602.16	597.95	597.00	596.30	596.03	595.95	596.10	
16	596.39	596.20	597.18	597.82	596.71	602.67	599.47	596.98	596.29	596.03	595.98	595.98	
17	596.45	596.07	597.03	597.35	596.57	601.90	601.58	596.96	596.29	596.03	596.04	596.16	
18	596.32	596.29	596.82	597.18	596.59	602.11	601.23	596.95	596.27	596.00	596.21	595.90	
19	596.62	596.24	596.65	596.94	596.49	600.77	600.53	596.93	596.26	595.98	596.22	596.03	
20	596.55	596.50	596.48	596.86	596.73	599.88	599.54	596.91	596.25	595.97	596.62	595.98	
21	596.41	596.84	596.39	597.38	596.95	599.30	598.87	596.86	596.25	595.96	596.68	596.00	
22	596.27	596.59	596.34	596.99	596.56	601.18	599.98	596.79	596.24	595.99	596.57	595.96	
23	596.22	596.33	596.26	597.35	596.59	601.33	601.15	596.75	596.22	596.07	596.34	596.19	
24	596.18	596.19	596.19	598.37	596.56	601.48	600.35	596.71	596.21	596.21	596.17	596.55	
25	596.05	596.37	596.17	599.93	598.54	601.11	599.31	596.65	596.20	596.09	596.11	596.53	
26	596.00	596.57	596.17	599.19	600.59	602.74	598.57	596.61	596.19	596.10	596.06	596.25	
27	596.43	596.35	596.21	598.44	599.35	602.74	598.32	596.59	596.18	596.05	596.00	596.13	
28	596.37	596.29	596.16	597.17	598.27	601.96	598.00	596.55	596.18	596.00	596.00	596.07	
29	596.77	596.41	596.22	597.54	598.13	601.17	598.36	596.52	596.17	595.97		596.21	
30	596.87	596.27	596.36	597.16	598.68	600.16	599.51	596.50	596.16	595.89		596.12	
31		596.21		597.40	600.37		598.32		596.15	595.93		596.06	
Mean	596.23	596.41	596.45	597.48	597.23	600.84	599.20	597.12	596.31	596.05	596.09	596.10	
Max	596.87	597.05	597.67	599.93	600.59	603.31	601.58	598.49	596.48	596.21	596.68	596.58	603.31
Min	595.68	596.05	595.99	596.12	596.37	598.30	597.95	596.50	596.15	595.89	595.92	595.88	595.68
Annual Max Momentary Gage Height	603.50		m. (MSL.) ,			at 06.00 Hours ,	on Sep 11, 2021						
Zero Gage at Bottom Elevation		593.90	m. (MSL.) ,			River Bed	595.17	m. (MSL.)					
Left Bank Elevation		605.19	m. (MSL.) ,										
Right Bank Elevation		604.68	m. (MSL.) ,			Drainage Are	353	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	4.20	0.81	2.37	4.08	34.75	18.42	11.50	2.02	0.77	0.04	0.16	
2	0.00	3.47	0.62	2.21	4.12	26.47	23.13	8.86	1.99	0.66	0.08	0.20	
3	0.00	2.63	0.43	1.34	3.43	21.25	31.30	7.52	1.95	0.58	0.08	0.10	
4	0.00	4.00	0.24	0.92	3.32	17.14	17.64	6.84	1.91	0.54	0.12	0.04	
5	0.43	3.32	0.18	0.66	4.80	10.14	12.79	6.56	1.87	0.54	0.16	0.00	
6	0.04	3.35	0.18	0.69	3.35	11.29	10.79	6.24	1.87	0.54	0.20	0.00	
7	2.14	2.25	0.31	1.99	3.09	11.93	11.00	5.84	1.80	0.54	0.18	0.04	
8	3.43	1.72	1.87	6.76	2.86	18.50	8.57	5.48	1.68	0.50	0.16	1.45	
9	2.18	1.34	4.88	8.93	2.78	18.00	8.57	5.04	1.61	0.50	0.16	2.40	
10	0.85	0.85	2.29	5.48	2.21	57.20	13.79	4.80	1.57	0.47	0.16	1.19	
11	0.47	0.58	1.07	10.43	1.72	113.64	8.29	4.64	1.57	0.47	0.14	0.77	
12	0.18	0.58	2.97	14.14	1.61	63.90	17.50	4.60	1.53	0.43	0.62	0.31	
13	0.06	0.58	2.52	8.64	1.61	35.35	15.07	4.52	1.49	0.35	0.18	0.18	
14	0.12	0.47	4.20	10.14	1.76	25.93	8.14	4.32	1.53	0.35	0.12	0.06	
15	1.53	0.39	6.68	6.32	1.64	68.08	7.80	4.00	1.34	0.31	0.10	0.58	
16	1.68	0.96	4.72	7.28	2.90	87.46	18.58	3.92	1.30	0.31	0.16	0.16	
17	1.91	0.47	4.12	5.40	2.37	59.00	49.40	3.85	1.30	0.31	0.35	0.81	
18	1.42	1.30	3.32	4.72	2.44	66.18	41.60	3.81	1.23	0.20	1.00	0.00	
19	2.56	1.11	2.67	3.77	2.06	33.55	30.07	3.73	1.19	0.16	1.04	0.31	
20	2.29	2.10	2.02	3.47	2.97	22.00	19.17	3.66	1.15	0.14	2.56	0.16	
21	1.76	3.39	1.68	5.52	3.81	17.29	14.21	3.47	1.15	0.12	2.78	0.20	
22	1.23	2.44	1.49	3.96	2.33	40.60	22.83	3.20	1.11	0.18	2.37	0.12	
23	1.04	1.45	1.19	5.40	2.44	43.60	40.00	3.05	1.04	0.47	1.49	0.92	
24	0.88	0.92	0.92	10.64	2.33	46.60	27.67	2.90	1.00	1.00	0.85	2.29	
25	0.39	1.61	0.85	22.42	11.86	39.20	17.36	2.67	0.96	0.54	0.62	2.21	
26	0.20	2.37	0.85	16.50	30.87	90.12	12.07	2.52	0.92	0.58	0.43	1.15	
27	1.83	1.53	1.00	11.14	17.64	90.12	10.29	2.44	0.88	0.39	0.20	0.69	
28	1.61	1.30	0.81	4.68	9.93	60.80	8.00	2.29	0.88	0.20	0.20	0.47	
29	3.13	1.76	1.04	6.16	8.93	40.40	10.57	2.18	0.85	0.14		1.00	
30	3.51	1.23	1.57	4.64	12.86	25.13	18.92	2.10	0.81	0.00		0.66	
31		1.00		5.60	27.93		10.29		0.77	0.06		0.43	
Total	36.87	54.67	57.50	202.32	186.05	1295.62	563.83	136.55	42.27	12.35	16.55	19.06	2623.64 CMSDAY
Mean	1.23	1.76	1.92	6.53	6.00	43.19	18.19	4.55	1.36	0.40	0.59	0.61	7.19 CMS
Max	3.51	4.20	6.68	22.42	30.87	113.64	49.40	11.50	2.02	1.00	2.78	2.40	113.64 CMS
Min	0.00	0.39	0.18	0.66	1.61	10.14	7.80	2.10	0.77	0.00	0.04	0.00	0.00 CMS
Runoff	3.19	4.72	4.97	17.48	16.07	111.94	48.71	11.80	3.65	1.07	1.43	1.65	226.68 MCM
Momentary Peak	122.00 CMS. at 603.50 m. (MSL.) at 06.00 Hours , on Sep 11, 2021												
Runoff Yield	20.36 Liters/Second/Square KM.			Momentary Peak Yield			345.61 Liters/Second/Square KM.						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.42	70.20	196.44	146.96	166.20	144.36	1.75	1.12	0.56	0.14		
2	0.00	0.00	0.07	81.44	169.98	142.80	153.20	137.44	1.68	0.98	0.42	0.07		
3	0.00	0.00	0.00	84.08	145.40	152.68	138.36	132.38	1.54	0.91	0.35	0.07		
4	0.00	0.00	0.00	80.56	125.48	199.68	123.64	123.18	2.66	0.91	0.28	0.21		
5	0.00	0.00	0.00	69.40	109.38	236.36	109.38	109.84	3.01	0.91	0.21	0.49		
6	0.00	0.00	0.00	56.20	96.50	265.80	93.76	93.32	2.80	0.91	0.35	0.49		
7	0.00	0.00	0.00	49.96	85.40	279.88	76.60	69.40	2.45	0.91	0.35	0.49		
8	0.00	0.00	0.28	56.20	76.16	285.00	61.80	56.60	2.24	0.84	0.28	0.35		
9	0.00	0.00	2.45	67.00	66.20	298.30	49.96	40.58	2.03	0.84	0.28	0.35		
10	0.00	0.00	7.68	81.00	54.20	306.70	42.96	31.55	1.82	0.84	0.28	0.28		
11	0.00	0.00	22.94	90.68	46.32	306.70	42.96	23.15	1.68	0.77	0.28	0.21		
12	0.00	0.00	40.79	94.20	48.56	307.40	51.64	15.80	1.68	0.77	0.28	0.21		
13	0.00	0.00	62.60	86.28	73.96	304.60	60.60	10.08	1.68	0.77	0.21	0.21		
14	0.00	0.00	102.02	76.16	110.30	308.80	66.20	8.64	1.68	0.77	0.21	0.21		
15	0.00	0.00	146.44	79.24	143.84	312.30	85.40	6.96	1.61	0.70	0.21	0.21		
16	0.00	0.00	168.90	98.80	175.92	316.50	109.38	6.12	1.61	0.70	0.21	0.35		
17	0.00	0.00	173.22	116.74	200.22	323.50	117.20	5.40	1.61	0.70	0.14	0.35		
18	0.00	0.00	163.60	118.12	216.20	338.20	117.20	5.40	1.54	0.70	0.14	0.35		
19	0.00	0.00	142.28	113.06	221.64	343.10	111.68	5.04	1.40	0.70	0.35	0.35		
20	0.00	0.00	122.26	113.06	217.40	343.10	100.64	3.85	1.33	0.70	0.63	0.35		
21	0.00	0.00	103.40	121.80	202.92	339.60	93.76	3.71	1.19	0.63	0.84	0.56		
22	0.00	0.00	87.60	136.98	183.48	330.50	88.92	3.99	1.12	0.56	0.77	0.56		
23	0.00	0.00	74.40	155.80	161.52	318.60	95.12	3.99	1.19	0.56	0.77	0.56		
24	0.00	0.00	63.40	182.40	141.24	301.10	118.58	3.78	1.26	0.56	0.70	0.70		
25	0.00	0.00	52.20	212.76	130.08	289.20	140.20	3.36	1.40	0.49	0.63	0.70		
26	0.00	0.00	46.04	235.08	128.70	274.76	152.68	2.73	1.40	0.49	0.63	0.63		
27	0.00	0.00	42.12	249.80	128.70	254.28	156.84	2.38	1.40	0.42	0.49	0.63		
28	0.00	0.00	42.68	253.00	131.00	235.08	156.84	2.17	1.33	0.35	0.21	0.70		
29	0.00	0.00	45.48	254.28	131.00	212.76	155.28	2.03	1.26	0.35		0.63		
30	0.00	0.00	56.20	243.40	125.02	192.12	152.16	1.89	1.26	0.56		0.49		
31		0.28		221.64	124.10		148.00		1.19	0.70		0.35		
Total	0.00	0.28	1769.47	3949.32	4167.26	8266.36	3337.14	1059.12	51.80	22.12	11.06	12.25	22646.18	CMSDAY
Mean	0.00	0.01	58.98	127.40	134.43	275.55	107.65	35.30	1.67	0.71	0.40	0.40	62.04	CMS
Max	0.00	0.28	173.22	254.28	221.64	343.10	166.20	144.36	3.01	1.12	0.84	0.70	343.10	CMS
Min	0.00	0.00	0.00	49.96	46.32	142.80	42.96	1.89	1.12	0.35	0.14	0.07	0.00	CMS
Runoff	0.00	0.02	152.88	341.22	360.05	714.21	288.33	91.51	4.48	1.91	0.96	1.06	1956.63	MCM
Momentary Peak	343.80	CMS. at 145.84 m. (MSL.) at 19.00 Hours , on Sep 19, 2021												
Runoff Yield	14.01	Liters/Second/Square KM.				Momentary Peak Yield				77.64	Liters/Second/Square KM.			

WATER YEAR : 2021**KHONG RIVER BASIN****Huai Bang Sai at Ban Kaeng Nang , Mukdahan (Kh.99A)**

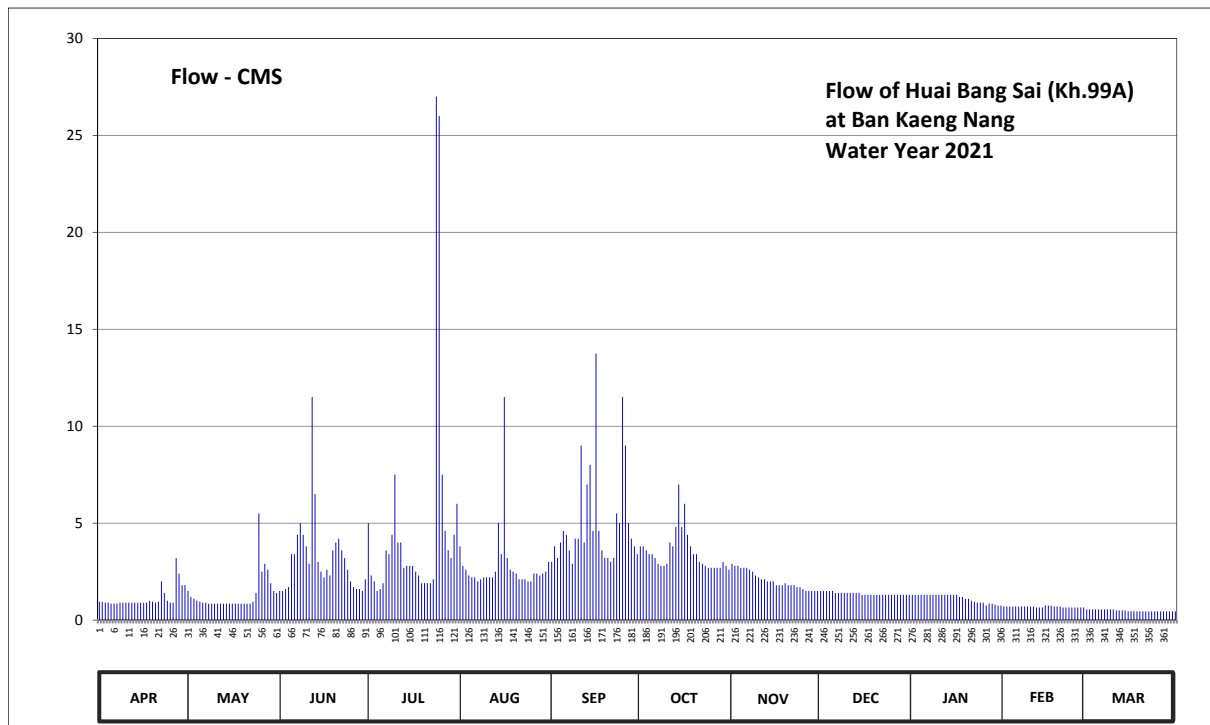
Lat 16 - 42 - 18 N Long 104 - 14 - 26 E

Location : on right bank at Ban Kaeng Nang

	Ban Kaeng Nang	Amphoe Dong Luang	Changwat Mukdahan
Drainage Area	116 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+254.300 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 good. Stage-discharge relation defined by 39 discharge measurements made in 2021.		

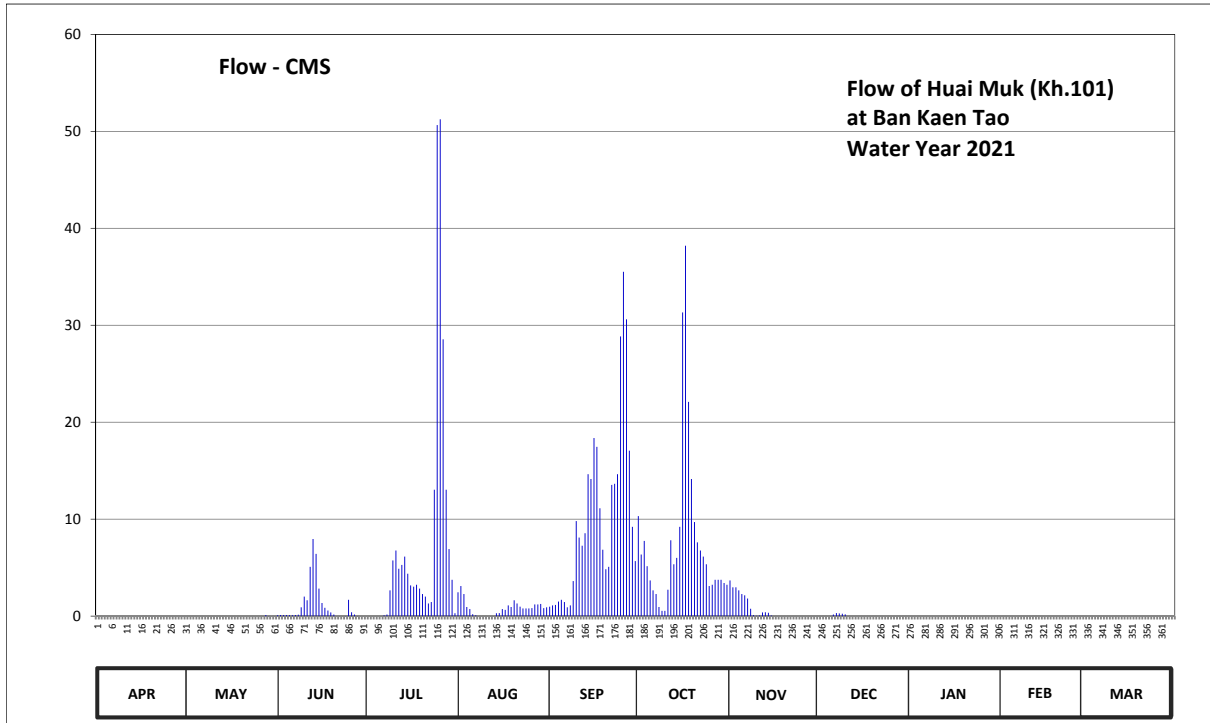
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	256.59	256.65	256.65	256.90	256.84	256.80	256.84	256.79	256.65	256.63	256.54	256.51	
2	256.59	256.62	256.65	256.73	256.78	256.84	256.84	256.78	256.65	256.63	256.54	256.51	
3	256.58	256.61	256.66	256.70	256.76	256.81	256.83	256.78	256.65	256.63	256.54	256.51	
4	256.58	256.60	256.67	256.65	256.73	256.85	256.82	256.77	256.65	256.63	256.54	256.51	
5	256.57	256.59	256.82	256.66	256.72	256.88	256.82	256.77	256.65	256.63	256.54	256.51	
6	256.57	256.58	256.82	256.69	256.72	256.87	256.81	256.77	256.64	256.63	256.54	256.51	
7	256.57	256.58	256.87	256.83	256.70	256.83	256.79	256.76	256.64	256.63	256.54	256.51	
8	256.58	256.57	256.90	256.82	256.71	256.79	256.78	256.75	256.64	256.63	256.54	256.51	
9	256.58	256.57	256.87	256.87	256.72	256.86	256.78	256.73	256.64	256.63	256.54	256.51	
10	256.58	256.57	256.84	256.95	256.72	256.86	256.79	256.72	256.64	256.63	256.54	256.51	
11	256.58	256.57	256.79	256.85	256.72	256.98	256.85	256.71	256.64	256.63	256.54	256.50	
12	256.58	256.57	257.02	256.85	256.72	256.85	256.84	256.71	256.64	256.63	256.53	256.50	
13	256.58	256.57	256.93	256.77	256.75	256.94	256.89	256.70	256.64	256.63	256.53	256.50	
14	256.58	256.57	256.80	256.78	256.90	256.96	256.94	256.70	256.64	256.63	256.53	256.50	
15	256.58	256.57	256.75	256.78	256.82	256.88	256.89	256.70	256.63	256.63	256.55	256.49	
16	256.58	256.57	256.72	256.78	257.02	257.05	256.92	256.68	256.63	256.63	256.55	256.49	
17	256.58	256.57	256.76	256.75	256.81	256.88	256.87	256.68	256.63	256.62	256.55	256.49	
18	256.60	256.57	256.73	256.73	256.76	256.83	256.84	256.68	256.63	256.62	256.54	256.49	
19	256.59	256.57	256.83	256.69	256.75	256.81	256.82	256.69	256.63	256.61	256.54	256.49	
20	256.58	256.57	256.85	256.69	256.74	256.81	256.82	256.68	256.63	256.61	256.54	256.49	
21	256.59	256.57	256.86	256.69	256.71	256.80	256.80	256.68	256.63	256.60	256.53	256.49	
22	256.70	256.57	256.83	256.69	256.71	256.81	256.79	256.68	256.63	256.59	256.53	256.49	
23	256.64	256.59	256.81	256.71	256.71	256.91	256.78	256.67	256.63	256.58	256.53	256.49	
24	256.60	256.64	256.76	257.22	256.70	256.90	256.77	256.67	256.63	256.58	256.53	256.49	
25	256.58	256.91	256.70	257.21	256.70	257.02	256.77	256.66	256.63	256.58	256.53	256.49	
26	256.58	256.75	256.67	256.95	256.74	256.98	256.77	256.65	256.63	256.55	256.53	256.49	
27	256.81	256.79	256.66	256.88	256.74	256.90	256.77	256.65	256.63	256.57	256.53	256.49	
28	256.74	256.76	256.66	256.83	256.73	256.86	256.77	256.65	256.63	256.57	256.53	256.49	
29	256.68	256.69	256.65	256.81	256.74	256.84	256.80	256.65	256.63	256.56		256.49	
30	256.68	256.65	256.71	256.87	256.75	256.82	256.78	256.65	256.63	256.55		256.49	
31		256.64		256.92	256.80		256.76		256.63	256.55		256.49	
Mean	256.61	256.62	256.77	256.81	256.76	256.87	256.82	256.71	256.64	256.61	256.54	256.50	
Max	256.81	256.91	257.02	257.22	257.02	257.05	256.94	256.79	256.65	256.63	256.55	256.51	257.22
Min	256.57	256.57	256.65	256.65	256.70	256.79	256.76	256.65	256.63	256.55	256.53	256.49	256.49
Annual Max Momentary Gage Height	257.50		m. (MSL.) ,			at 15.00 Hours ,	on Jul 24, 2021						
Zero Gage at Bottom Elevation		254.30	m. (MSL.) ,			River Bed	255.19	m. (MSL.)					
Left Bank Elevation		261.85	m. (MSL.) ,										
Right Bank Elevation		259.973	m. (MSL.) ,			Drainage Are	116	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.95	1.50	1.50	5.00	3.80	3.00	3.80	2.90	1.50	1.30	0.70	0.55	
2	0.95	1.20	1.50	2.30	2.80	3.80	3.80	2.80	1.50	1.30	0.70	0.55	
3	0.90	1.10	1.60	2.00	2.60	3.20	3.60	2.80	1.50	1.30	0.70	0.55	
4	0.90	1.00	1.70	1.50	2.30	4.00	3.40	2.70	1.50	1.30	0.70	0.55	
5	0.85	0.95	3.40	1.60	2.20	4.60	3.40	2.70	1.50	1.30	0.70	0.55	
6	0.85	0.90	3.40	1.90	2.20	4.40	3.20	2.70	1.40	1.30	0.70	0.55	
7	0.85	0.90	4.40	3.60	2.00	3.60	2.90	2.60	1.40	1.30	0.70	0.55	
8	0.90	0.85	5.00	3.40	2.10	2.90	2.80	2.50	1.40	1.30	0.70	0.55	
9	0.90	0.85	4.40	4.40	2.20	4.20	2.80	2.30	1.40	1.30	0.70	0.55	
10	0.90	0.85	3.80	7.50	2.20	4.20	2.90	2.20	1.40	1.30	0.70	0.55	
11	0.90	0.85	2.90	4.00	2.20	9.00	4.00	2.10	1.40	1.30	0.70	0.50	
12	0.90	0.85	11.50	4.00	2.20	4.00	3.80	2.10	1.40	1.30	0.65	0.50	
13	0.90	0.85	6.50	2.70	2.50	7.00	4.80	2.00	1.40	1.30	0.65	0.50	
14	0.90	0.85	3.00	2.80	5.00	8.00	7.00	2.00	1.40	1.30	0.65	0.50	
15	0.90	0.85	2.50	2.80	3.40	4.60	4.80	2.00	1.30	1.30	0.75	0.45	
16	0.90	0.85	2.20	2.80	11.50	13.75	6.00	1.80	1.30	1.30	0.75	0.45	
17	0.90	0.85	2.60	2.50	3.20	4.60	4.40	1.80	1.30	1.20	0.75	0.45	
18	1.00	0.85	2.30	2.30	2.60	3.60	3.80	1.80	1.30	1.20	0.70	0.45	
19	0.95	0.85	3.60	1.90	2.50	3.20	3.40	1.90	1.30	1.10	0.70	0.45	
20	0.90	0.85	4.00	1.90	2.40	3.20	3.40	1.80	1.30	1.10	0.70	0.45	
21	0.95	0.85	4.20	1.90	2.10	3.00	3.00	1.80	1.30	1.00	0.65	0.45	
22	2.00	0.85	3.60	1.90	2.10	3.20	2.90	1.80	1.30	0.95	0.65	0.45	
23	1.40	0.95	3.20	2.10	2.10	5.50	2.80	1.70	1.30	0.90	0.65	0.45	
24	1.00	1.40	2.60	27.00	2.00	5.00	2.70	1.70	1.30	0.90	0.65	0.45	
25	0.90	5.50	2.00	26.00	2.00	11.50	2.70	1.60	1.30	0.90	0.65	0.45	
26	0.90	2.50	1.70	7.50	2.40	9.00	2.70	1.50	1.30	0.75	0.65	0.45	
27	3.20	2.90	1.60	4.60	2.40	5.00	2.70	1.50	1.30	0.85	0.65	0.45	
28	2.40	2.60	1.60	3.60	2.30	4.20	2.70	1.50	1.30	0.85	0.65	0.45	
29	1.80	1.90	1.50	3.20	2.40	3.80	3.00	1.50	1.30	0.80		0.45	
30	1.80	1.50	2.10	4.40	2.50	3.40	2.80	1.50	1.30	0.75		0.45	
31		1.40		6.00	3.00		2.60		1.30	0.75		0.45	
Total	34.45	40.95	95.90	149.10	87.20	152.45	108.60	61.60	42.20	34.80	19.20	15.15	841.60 CMSDAY
Mean	1.15	1.32	3.20	4.81	2.81	5.08	3.50	2.05	1.36	1.12	0.69	0.49	2.31 CMS
Max	3.20	5.50	11.50	27.00	11.50	13.75	7.00	2.90	1.50	1.30	0.75	0.55	27.00 CMS
Min	0.85	0.85	1.50	1.50	2.00	2.90	2.60	1.50	1.30	0.75	0.65	0.45	0.45 CMS
Runoff	2.98	3.54	8.29	12.88	7.53	13.17	9.38	5.32	3.65	3.01	1.66	1.31	72.71 MCM
Momentary Peak	55.00 CMS. at 257.50 m. (MSL.) at 15.00 Hours , on Jul 24, 2021												
Runoff Yield	19.88	Liters/Second/Square KM.		Momentary Peak Yield		474.14	Liters/Second/Square KM.						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.10	0.00	2.46	0.97	10.31	3.68	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.12	0.00	3.10	1.10	6.35	2.97	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.12	0.00	2.27	1.15	7.75	2.97	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.12	0.00	0.94	1.50	5.15	2.65	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.10	0.00	0.73	1.69	3.68	2.27	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.10	0.00	0.20	1.45	2.65	2.14	0.16	0.00	0.00	0.00	
7	0.00	0.00	0.12	0.08	0.08	0.91	2.27	1.82	0.32	0.00	0.00	0.00	
8	0.00	0.00	0.14	0.16	0.00	1.10	0.94	0.76	0.28	0.00	0.00	0.00	
9	0.00	0.00	0.91	2.65	0.00	3.61	0.55	0.10	0.24	0.00	0.00	0.00	
10	0.00	0.00	2.01	5.74	0.00	9.81	0.55	0.04	0.18	0.00	0.00	0.00	
11	0.00	0.00	1.63	6.77	0.00	8.10	2.72	0.06	0.00	0.00	0.00	0.00	
12	0.00	0.00	5.08	4.89	0.00	7.26	7.82	0.38	0.00	0.00	0.00	0.00	
13	0.00	0.00	7.96	5.28	0.00	8.55	5.34	0.40	0.00	0.00	0.00	0.00	
14	0.00	0.00	6.42	6.14	0.30	14.64	6.00	0.34	0.00	0.00	0.00	0.00	
15	0.00	0.00	2.84	4.38	0.32	14.14	9.20	0.06	0.00	0.00	0.00	0.00	
16	0.00	0.00	1.35	3.16	0.73	18.37	31.32	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.85	3.04	0.64	17.46	38.21	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.58	3.23	1.10	11.12	22.10	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.38	2.84	0.94	6.84	14.14	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.16	2.27	1.63	4.83	9.71	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	2.01	1.30	5.08	7.61	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	1.30	0.97	13.53	6.77	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	1.45	0.79	13.64	6.14	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.02	13.03	0.79	14.64	5.34	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	1.69	50.65	0.79	28.85	3.10	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.40	51.25	0.82	35.52	3.23	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.16	28.55	1.20	30.62	3.74	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.12	0.02	13.03	1.20	17.06	3.74	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.02	0.00	6.91	1.25	9.20	3.74	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	3.74	0.82	5.67	3.42	0.00	0.00	0.00	0.00	0.00	
31		0.00		0.30	0.91		3.23		0.00	0.00		0.00	
Total	0.00	0.14	33.38	222.85	26.28	308.41	236.82	20.64	1.18	0.00	0.00	0.00	849.70
Mean	0.00	0.00	1.11	7.19	0.85	10.28	7.64	0.69	0.04	0.00	0.00	0.00	2.33
Max	0.00	0.12	7.96	51.25	3.10	35.52	38.21	3.68	0.32	0.00	0.00	0.00	51.25
Min	0.00	0.00	0.00	0.00	0.00	0.91	0.55	0.00	0.00	0.00	0.00	0.00	0.00
Runoff	0.00	0.01	2.88	19.25	2.27	26.65	20.46	1.78	0.10	0.00	0.00	0.00	73.41
Momentary Peak	55.90	CMS. at 143.46 m. (MSL.) at 18.00 Hours , on Jul 25, 2021											
Runoff Yield	5.64	Liters/Second/Square KM.		Momentary Peak Yield			135.35	Liters/Second/Square KM.					

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	166.69	166.98	167.36	166.83	167.26	167.19	169.59	167.67	166.96	166.85	166.76	166.80	
	2	166.67	167.00	167.16	166.80	167.20	167.16	169.06	167.72	166.95	166.85	166.76	166.79	
	3	166.69	166.99	166.98	166.78	167.15	167.12	168.39	167.92	166.95	166.84	166.76	166.78	
	4	166.79	166.92	166.87	166.76	167.13	167.09	168.29	167.95	166.94	166.83	166.76	166.77	
	5	166.89	166.88	166.81	166.75	167.10	167.29	168.29	167.90	166.94	166.83	166.76	166.76	
	6	166.75	166.84	166.77	166.84	167.06	167.62	168.30	167.85	166.94	166.83	166.76	166.75	
	7	166.72	166.81	166.75	166.84	167.01	167.85	168.29	167.66	166.94	166.82	166.76	166.74	
	8	166.72	166.79	166.80	166.81	166.98	167.74	168.13	167.35	166.92	166.82	166.76	166.73	
	9	166.71	166.78	166.96	166.88	166.96	167.61	167.81	167.21	166.90	166.81	166.76	166.72	
	10	166.70	166.78	167.19	166.93	166.91	167.69	167.63	167.15	166.89	166.81	166.76	166.71	
	11	166.70	166.78	167.54	167.01	166.89	167.88	167.52	167.11	166.88	166.79	166.77	166.70	
	12	166.70	166.76	167.57	167.39	166.96	168.86	167.46	167.07	166.87	166.79	166.77	166.69	
	13	166.70	166.75	167.53	168.36	167.12	169.33	167.35	167.06	166.87	166.78	166.77	166.68	
	14	166.70	166.73	167.60	168.49	167.26	168.63	167.30	167.05	166.86	166.78	166.77	166.67	
	15	166.70	166.72	167.69	168.07	167.30	168.26	167.33	167.05	166.86	166.78	166.78	166.68	
	16	166.70	166.73	167.56	167.98	167.27	168.27	167.41	167.05	166.86	166.78	166.78	166.69	
	17	166.72	166.72	167.42	168.18	167.28	168.55	167.49	167.05	166.87	166.78	166.79	166.70	
	18	166.71	166.71	167.25	168.07	167.24	169.03	167.51	167.05	166.86	166.78	166.79	166.72	
	19	166.73	166.71	167.14	167.84	167.18	169.28	167.48	167.04	166.85	166.77	166.80	166.74	
	20	166.72	166.87	167.04	167.66	167.11	169.24	167.41	167.03	166.85	166.77	166.80	166.76	
	21	166.72	167.22	166.91	167.64	167.06	169.01	167.30	167.02	166.85	166.77	166.81	166.78	
	22	166.73	167.07	166.84	167.52	167.00	168.57	167.37	167.01	166.85	166.77	166.81	166.80	
	23	166.76	166.94	166.79	167.48	166.95	168.45	168.32	167.02	166.84	166.76	166.82	166.82	
	24	166.80	166.89	166.77	167.57	166.92	168.71	169.46	167.02	166.84	166.76	166.82	166.84	
	25	166.79	166.96	166.77	167.73	166.87	168.97	169.88	167.02	166.85	166.76	166.83	166.86	
	26	166.81	167.24	166.81	167.91	166.89	169.16	169.68	167.01	166.86	166.76	166.82	166.88	
	27	166.94	167.61	166.86	167.96	166.93	169.50	169.00	166.99	166.88	166.76	166.81	166.90	
	28	167.16	167.57	166.87	167.85	167.00	169.96	168.45	166.99	166.90	166.76	166.80	166.88	
	29	167.08	167.55	166.87	167.67	167.23	170.08	168.08	166.98	166.89	166.76		166.85	
	30	166.99	167.59	166.86	167.49	167.28	169.98	167.86	166.97	166.88	166.76		166.83	
	31		167.56		167.34	167.24		167.75		166.86	166.76		166.81	
Mean		166.77	166.98	167.08	167.47	167.09	168.47	168.10	167.23	166.89	166.79	166.78	166.77	
Max		167.16	167.61	167.69	168.49	167.30	170.08	169.88	167.95	166.96	166.85	166.83	166.90	170.08
Min		166.67	166.71	166.75	166.75	166.87	167.09	167.30	166.97	166.84	166.76	166.76	166.67	166.67
Annual Max Momentary Gage Height			170.09	m. (MSL.) ,		at 13.00 Hours , on Sep 29, 2021								
Zero Gage at Bottom Elevation			166.50	m. (MSL.) ,		River Bed	166.71	m. (MSL.)						
Left Bank Elevation			172.69	m. (MSL.) ,										
Right Bank Elevation			172.21	m. (MSL.) ,		Drainage Are	1,402	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.09	0.46	1.48	0.23	1.18	0.97	16.59	2.75	0.42	0.25	0.16	0.20		
2	0.07	0.50	0.88	0.20	1.00	0.88	11.18	3.00	0.40	0.25	0.16	0.19		
3	0.09	0.48	0.46	0.18	0.85	0.76	6.54	4.00	0.40	0.24	0.16	0.18		
4	0.19	0.34	0.27	0.16	0.79	0.68	5.94	4.15	0.38	0.23	0.16	0.17		
5	0.29	0.28	0.21	0.15	0.70	1.27	5.94	3.90	0.38	0.23	0.16	0.16		
6	0.15	0.24	0.17	0.24	0.62	2.50	6.00	3.65	0.38	0.23	0.16	0.15		
7	0.12	0.21	0.15	0.24	0.52	3.65	5.94	2.70	0.38	0.22	0.16	0.14		
8	0.12	0.19	0.20	0.21	0.46	3.10	5.05	1.45	0.34	0.22	0.16	0.13		
9	0.11	0.18	0.42	0.28	0.42	2.45	3.45	1.03	0.30	0.21	0.16	0.12		
10	0.10	0.18	0.97	0.36	0.32	2.85	2.55	0.85	0.29	0.21	0.16	0.11		
11	0.10	0.18	2.16	0.52	0.29	3.80	2.08	0.73	0.28	0.19	0.17	0.10		
12	0.10	0.16	2.28	1.57	0.42	9.62	1.84	0.64	0.27	0.19	0.17	0.09		
13	0.10	0.15	2.12	6.36	0.76	13.73	1.45	0.62	0.27	0.18	0.17	0.08		
14	0.10	0.13	2.40	7.14	1.18	8.01	1.30	0.60	0.26	0.18	0.17	0.07		
15	0.10	0.12	2.85	4.75	1.30	5.76	1.39	0.60	0.26	0.18	0.18	0.08		
16	0.10	0.13	2.24	4.30	1.21	5.82	1.64	0.60	0.26	0.18	0.18	0.09		
17	0.12	0.12	1.68	5.30	1.24	7.50	1.96	0.60	0.27	0.18	0.19	0.10		
18	0.11	0.11	1.15	4.75	1.12	10.94	2.04	0.60	0.26	0.18	0.19	0.12		
19	0.13	0.11	0.82	3.60	0.94	13.20	1.92	0.58	0.25	0.17	0.20	0.14		
20	0.12	0.27	0.58	2.70	0.73	12.80	1.64	0.56	0.25	0.17	0.20	0.16		
21	0.12	1.06	0.32	2.60	0.62	10.78	1.30	0.54	0.25	0.17	0.21	0.18		
22	0.13	0.64	0.24	2.08	0.50	7.62	1.51	0.52	0.25	0.17	0.21	0.20		
23	0.16	0.38	0.19	1.92	0.40	6.90	6.12	0.54	0.24	0.16	0.22	0.22		
24	0.20	0.29	0.17	2.28	0.34	8.57	15.16	0.54	0.24	0.16	0.22	0.24		
25	0.19	0.42	0.17	3.05	0.27	10.46	20.42	0.54	0.25	0.16	0.23	0.26		
26	0.21	1.12	0.21	3.95	0.29	12.04	17.74	0.52	0.26	0.16	0.22	0.28		
27	0.38	2.45	0.26	4.20	0.36	15.60	10.70	0.48	0.28	0.16	0.21	0.30		
28	0.88	2.28	0.27	3.65	0.50	21.60	6.90	0.48	0.30	0.16	0.20	0.28		
29	0.66	2.20	0.27	2.75	1.09	23.48	4.80	0.46	0.29	0.16		0.25		
30	0.48	2.36	0.26	1.96	1.24	21.90	3.70	0.44	0.28	0.16		0.23		
31		2.24		1.42	1.12		3.15		0.26	0.16		0.21		
Total	5.82	19.98	25.85	73.10	22.78	249.24	177.94	38.67	9.20	5.87	5.14	5.23	638.82	CMSDAY
Mean	0.19	0.64	0.86	2.36	0.73	8.31	5.74	1.29						

WATER YEAR : 2021**KHONG RIVER BASIN****Nam Puan at Ban Pha Noi , Loei (Kh.105)**

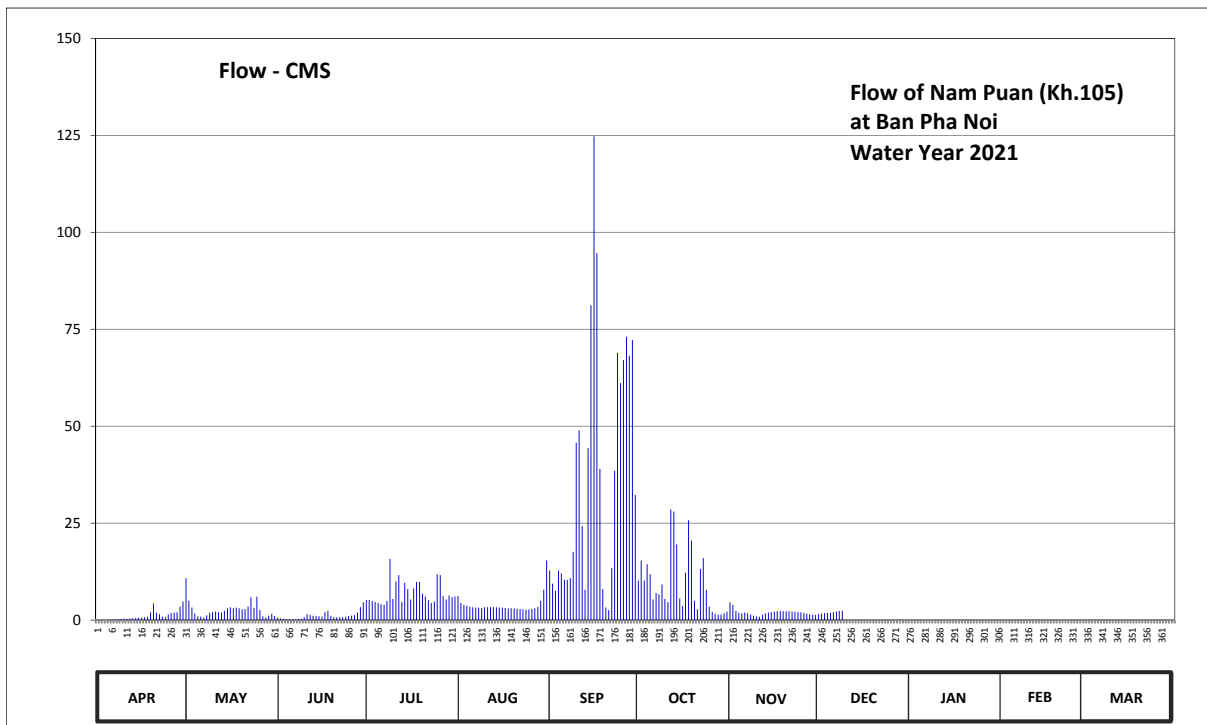
Lat 17 - 21 - 43 N Long 101 - 49 - 47 E

Location : on right bank at the bridge on highway.

	Ban	Pha Noi	Amphoe	Wang Saphung	Changwat	Loei
Drainage 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 34 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	249.57	251.64	250.11	251.31	251.38	251.74	251.61	251.26	250.50	250.38	249.91	250.58	
2	249.56	251.30	249.97	251.31	251.24	251.57	251.87	251.19	250.56	250.34	249.91	250.51	
3	249.55	251.05	249.87	251.29	251.19	251.47	251.61	250.81	250.60	250.30	249.92	250.43	
4	249.58	250.56	249.80	251.27	251.14	251.74	251.82	250.63	250.62	250.26	249.93	250.35	
5	249.73	250.27	249.78	251.24	251.10	251.70	251.69	250.57	250.64	250.23	249.94	250.27	
6	249.68	250.23	249.77	251.21	251.06	251.62	251.32	250.65	250.70	250.18	249.96	250.20	
7	249.75	250.11	249.77	251.18	251.05	251.62	251.43	250.59	250.76	250.15	249.96	250.15	
8	249.83	250.37	249.87	251.29	251.04	251.64	251.41	250.45	250.80	250.13	249.97	250.18	
9	249.85	250.63	249.88	251.89	251.03	251.98	251.56	250.34	250.82	250.11	249.98	250.32	
10	249.87	250.71	250.14	251.33	251.06	253.10	251.33	250.24	250.83	250.10	249.99	250.60	
11	249.89	250.76	250.49	251.60	251.07	253.22	251.26	250.21	250.84	250.08	249.98	250.70	
12	249.94	250.70	250.42	251.68	251.07	252.25	252.42	250.42	250.84	250.06	249.98	250.72	
13	249.98	250.63	250.33	251.27	251.07	251.49	252.40	250.57	250.81	250.04	249.98	250.70	
14	250.04	250.81	250.30	251.58	251.06	253.05	252.06	250.65	250.77	250.02	250.01	250.67	
15	250.08	251.01	250.26	251.50	251.05	254.40	251.34	250.71	250.74	250.00	250.02	250.65	
16	250.10	251.06	250.22	251.32	251.04	255.94	251.14	250.75	250.70	249.98	250.02	250.64	
17	250.14	251.02	250.71	251.51	251.03	254.88	251.71	250.78	250.68	249.96	250.06	250.70	
18	250.20	251.04	250.81	251.59	251.00	252.84	252.31	250.79	250.64	249.94	250.19	250.72	
19	250.69	251.01	250.32	251.59	251.01	251.50	252.10	250.78	250.59	249.92	250.32	250.73	
20	251.23	250.93	250.17	251.42	251.00	251.05	251.30	250.78	250.56	249.91	250.46	250.71	
21	250.65	250.95	250.15	251.37	250.98	250.87	250.93	250.77	250.54	249.90	250.66	250.69	
22	250.49	251.10	250.15	251.31	250.95	251.77	251.76	250.76	250.51	249.89	250.84	250.72	
23	250.22	251.36	250.15	251.24	250.93	252.82	251.90	250.73	250.49	249.89	250.77	250.92	
24	250.16	251.03	250.21	251.28	250.91	253.96	251.49	250.71	250.48	249.90	250.58	250.77	
25	250.46	251.37	250.29	251.69	250.93	253.67	251.09	250.68	250.47	249.91	250.56	250.61	
26	250.60	250.88	250.34	251.68	250.97	253.89	250.73	250.62	250.47	249.91	250.61	250.45	
27	250.65	250.27	250.39	251.38	251.01	254.11	250.54	250.56	250.48	249.91	250.64	250.29	
28	250.68	250.09	250.66	251.32	251.08	253.93	250.42	250.49	250.47	249.90	250.63	250.45	
29	251.09	250.34	251.07	251.39	251.30	254.08	250.45	250.43	250.46	249.91		250.58	
30	251.28	250.53	251.26	251.36	251.49	252.57	250.58	250.40	250.43	249.90		250.64	
31		250.30		251.37	251.87		250.75		250.41	249.89		250.66	
Mean	250.18	250.78	250.26	251.41	251.10	252.68	251.43	250.64	250.62	250.03	250.21	250.56	
Max	251.28	251.64	251.26	251.89	251.87	255.94	252.42	251.26	250.84	250.38	250.84	250.92	255.94
Min	249.55	250.09	249.77	251.18	250.91	250.87	250.42	250.21	250.41	249.89	249.91	250.15	249.55
Annual Max Momentary Gage Height	256.42		m. (MSL.) ,			at 16.00 Hours ,	on Sep 16, 2021						
Zero Gage at Bottom Elevation	247.50		m. (MSL.) ,			River Bed	247.43	m. (MSL.)					
Left Bank Elevation		258.30		m. (MSL.) ,									
Right Bank Elevation		258.30		m. (MSL.) ,		Drainage Are	878	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	10.80	0.67	5.15	6.20	12.80	10.20	4.60	1.55	0.00	0.00	0.00	
2	0.00	5.00	0.46	5.15	4.40	9.40	15.40	3.95	1.70	0.00	0.00	0.00	
3	0.00	3.25	0.31	4.90	3.95	7.55	10.20	2.38	1.80	0.00	0.00	0.00	
4	0.00	1.70	0.20	4.70	3.70	12.80	14.40	1.88	1.85	0.00	0.00	0.00	
5	0.13	0.99	0.18	4.40	3.50	12.00	11.80	1.73	1.90	0.00	0.00	0.00	
6	0.08	0.91	0.17	4.10	3.30	10.40	5.30	1.93	2.05	0.00	0.00	0.00	
7	0.15	0.67	0.17	3.90	3.25	10.40	6.95	1.78	2.23	0.00	0.00	0.00	
8	0.25	1.23	0.31	4.90	3.20	10.80	6.65	1.43	2.35	0.00	0.00	0.00	
9	0.28	1.88	0.32	15.80	3.15	17.60	9.20	1.15	2.41	0.00	0.00	0.00	
10	0.31	2.08	0.73	5.45	3.30	45.70	5.45	0.93	0.00	0.00	0.00	0.00	
11	0.34	2.23	1.53	10.00	3.35	48.94	4.60	0.87	0.00	0.00	0.00	0.00	
12	0.41	2.05	1.35	11.60	3.35	24.25	28.50	1.35	0.00	0.00	0.00	0.00	
13	0.47	1.88	1.13	4.70	3.35	7.85	28.00	1.73	0.00	0.00	0.00	0.00	
14	0.56	2.38	1.05	9.60	3.30	44.35	19.50	1.93	0.00	0.00	0.00	0.00	
15	0.62	3.05	0.97	8.00	3.25	81.20	5.60	2.08	0.00	0.00	0.00	0.00	
16	0.65	3.30	0.89	5.30	3.20	124.76	3.70	2.20	0.00	0.00	0.00	0.00	
17	0.73	3.10	2.08	8.20	3.15	94.64	12.20	2.29	0.00	0.00	0.00	0.00	
18	0.85	3.20	2.38	9.80	3.00	39.00	25.75	2.32	0.00	0.00	0.00	0.00	
19	2.03	3.05	1.10	9.80	3.05	8.00	20.50	2.29	0.00	0.00	0.00	0.00	
20	4.30	2.76	0.79	6.80	3.00	3.25	5.00	2.29	0.00	0.00	0.00	0.00	
21	1.93	2.83	0.75	6.05	2.93	2.56	2.76	2.26	0.00	0.00	0.00	0.00	
22	1.53	3.50	0.75	5.15	2.83	13.40	13.20	2.23	0.00	0.00	0.00	0.00	
23	0.89	5.90	0.75	4.40	2.76	38.50	16.00	2.14	0.00	0.00	0.00	0.00	
24	0.77	3.15	0.87	4.80	2.69	68.92	7.85	2.08	0.00	0.00	0.00	0.00	
25	1.45	6.05	1.03	11.80	2.76	61.09	3.45	2.00	0.00	0.00	0.00	0.00	
26	1.80	2.59	1.15	11.60	2.90	67.03	2.14	1.85	0.00	0.00	0.00	0.00	
27	1.93	0.99	1.28	6.20	3.05	73.08	1.65	1.70	0.00	0.00	0.00	0.00	
28	2.00	0.64	1.95	5.30	3.40	68.11	1.35	1.53	0.00	0.00	0.00	0.00	
29	3.45	1.15	3.35	6.35	5.00	72.24	1.43	1.38	0.00	0.00	0.00	0.00	
30	4.80	1.63	4.60	5.90	7.85	32.25	1.75	1.30	0.00	0.00		0.00	
31		1.05		6.05	15.40		2.20		0.00	0.00		0.00	
Total	32.71	84.99	33.27	215.85	121.52	1122.87	302.68	59.58	17.84	0.00	0.00	0.00	1991.31
Mean	1.09	2.74	1.11	6.96	3.92	37.43	9.76	1.99	0.58	0.00	0.00	0.00	5.46
Max	4.80	10.80	4.60	15.80	15.40	124.76	28.50	4.60	2.41	0.00	0.00	0.00	124.76
Min	0.00	0.64	0.17	3.90	2.69	2.56	1.35	0.87	0.00	0.00	0.00	0.00	0.00
Runoff	2.83	7.34	2.87	18.65	10.50	97.02	26.15	5.15	1.54	0.00	0.00	0.00	172.05
Momentary Peak	CMS. at 256.42 m. (MSL.) at 16.00 Hours , on Sep 16, 2021												
Runoff Yield	6.21	Liters/Second/Square KM.			Momentary Peak Yield			157.95	Liters/Second/Square KM.				

WATER YEAR : 2021**KHONG RIVER BASIN****Nam Un at Ban Phog Yai , Sakon Nakhon (Kh.108)**

Lat 17 - 19 - 22 N Long 103 - 58 - 45 E

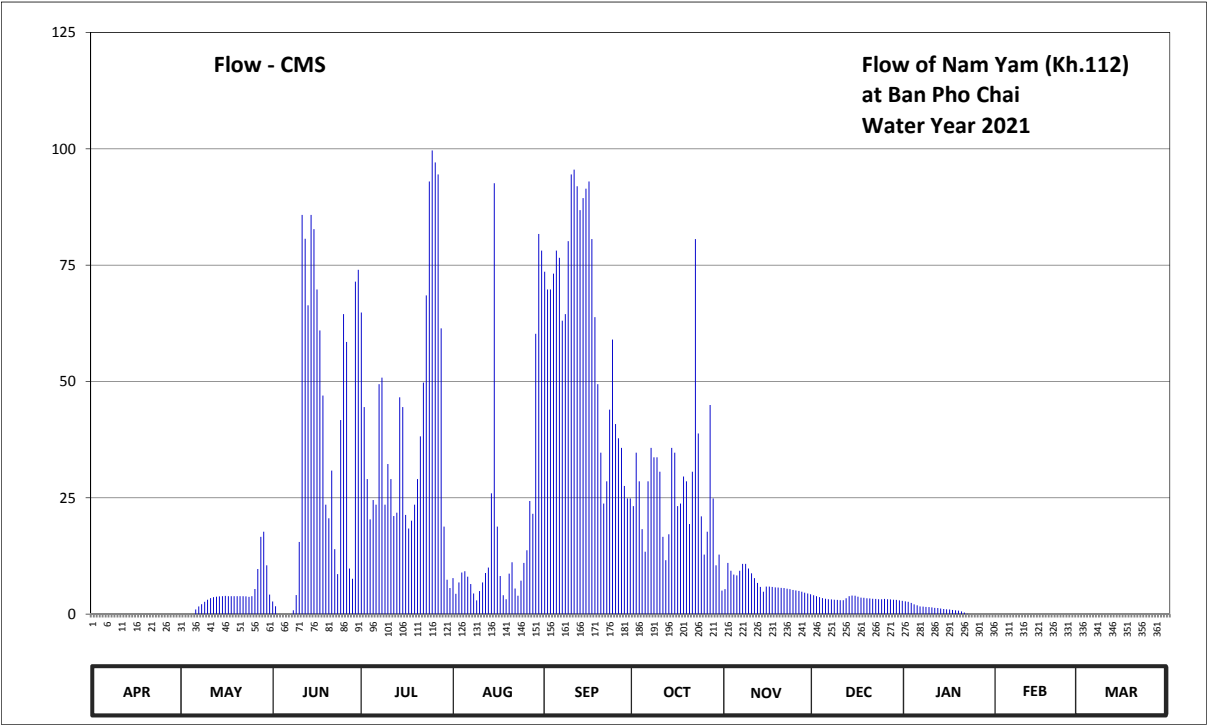
Location : on right bank Ban Phog Yai.

	Ban Phog Yai	Amphoe Phanna Nikhom	Changwat Sakon Nakhon
Drainage Area	2,169 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	+159.000 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	Rather unstable because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Stage-discharge relation defined by 35 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	151.01	153.50	153.89	154.85	154.20	154.16	154.43	153.87	153.53	153.59	153.59	153.62	
2	151.01	153.76	153.87	154.91	154.06	154.13	154.39	153.84	153.52	153.58	153.58	153.62	
3	151.01	153.85	153.84	154.90	153.95	154.09	154.35	153.82	153.51	153.56	153.56	153.62	
4	151.00	154.01	153.80	154.82	153.90	154.06	154.29	153.81	153.50	153.54	153.56	153.62	
5	151.00	154.12	153.76	154.79	153.86	154.04	154.19	153.81	153.49	153.52	153.55	153.64	
6	151.00	154.16	153.73	154.76	153.83	154.07	154.07	153.83	153.49	153.52	153.55	153.66	
7	151.00	154.18	153.71	154.79	153.80	154.13	154.00	153.85	153.48	153.53	153.54	153.69	
8	150.99	154.16	153.71	154.82	153.78	154.22	153.96	153.81	153.48	153.54	153.54	153.71	
9	150.99	154.13	153.89	154.86	153.75	154.38	153.94	153.79	153.49	153.55	153.53	153.73	
10	150.99	154.10	154.41	154.94	153.71	154.46	153.94	153.75	153.49	153.57	153.53	153.75	
11	150.98	154.07	154.78	155.01	153.71	154.47	154.06	153.74	153.49	153.58	153.55	153.76	
12	150.98	154.03	155.05	155.02	153.79	154.47	154.14	153.68	153.50	153.59	153.56	153.75	
13	150.98	154.00	155.33	155.00	153.96	154.51	154.12	153.64	153.50	153.59	153.58	153.72	
14	150.98	153.97	155.30	154.94	154.20	154.78	154.19	153.63	153.51	153.58	153.61	153.70	
15	150.98	153.93	154.82	154.90	154.36	155.07	154.41	153.62	153.52	153.58	153.63	153.68	
16	150.98	153.89	154.55	154.86	154.40	155.10	154.64	153.62	153.53	153.57	153.66	153.67	
17	150.98	153.85	154.42	154.82	154.37	155.15	154.73	153.61	153.54	153.56	153.70	153.66	
18	150.98	153.83	154.36	154.75	154.31	155.13	154.67	153.61	153.56	153.55	153.74	153.65	
19	150.98	153.81	154.33	154.70	154.24	155.05	154.53	153.60	153.58	153.54	153.78	153.64	
20	150.97	153.78	154.29	154.64	154.15	154.90	154.44	153.60	153.59	153.53	153.84	153.64	
21	150.97	153.76	154.25	154.59	154.07	154.75	154.40	153.60	153.58	153.55	153.94	153.63	
22	150.97	153.73	154.18	154.64	154.01	154.62	154.37	153.60	153.57	153.56	153.95	153.63	
23	150.97	153.71	154.03	155.00	153.94	154.56	154.32	153.59	153.57	153.58	153.90	153.63	
24	150.96	153.87	153.92	155.31	153.87	154.53	154.25	153.59	153.56	153.61	153.84	153.69	
25	150.95	153.92	153.93	155.58	153.85	154.53	154.17	153.58	153.55	153.63	153.78	153.85	
26	150.96	153.96	154.16	155.59	153.84	154.54	154.09	153.57	153.55	153.63	153.72	154.09	
27	150.97	153.96	154.27	155.39	153.85	154.54	154.02	153.57	153.55	153.63	153.67	154.21	
28	150.99	153.95	154.38	155.20	154.03	154.53	153.98	153.56	153.57	153.62	153.64	154.26	
29	151.18	153.94	154.56	154.91	154.12	154.50	153.95	153.56	153.58	153.62		154.26	
30	152.84	153.94	154.72	154.58	154.17	154.47	153.93	153.54	153.60	153.61		154.25	
31		153.92		154.35	154.19		153.90		153.61	153.60		154.22	
Mean	151.05	153.93	154.27	154.91	154.01	154.53	154.22	153.68	153.54	153.57	153.66	153.78	
Max	152.84	154.18	155.33	155.59	154.40	155.15	154.73	153.87	153.61	153.63	153.95	154.26	155.59
Min	150.95	153.50	153.71	154.35	153.71	154.04	153.90	153.54	153.48	153.52	153.53	153.62	150.95
Annual Max Momentary Gage Height	155.67	m. (MSL.) ,		at 05.00 Hours , on Jul 26, 2021									
Zero Gage at Bottom Elevation	150.00	m. (MSL.) ,		River Bed		150.30	m. (MSL.)						
Left Bank Elevation	158.55	m. (MSL.) ,											
Right Bank Elevation	158.58	m. (MSL.) ,		Drainage Are		2,169	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	1.45	58.50	3.00	16.00	31.80	1.35	0.00	0.00	0.00	0.10	
2	0.00	0.80	1.35	62.70	2.30	14.50	29.40	1.20	0.00	0.00	0.00	0.10	
3	0.00	1.25	1.20	62.00	1.75	12.60	27.00	1.10	0.00	0.00	0.00	0.10	
4	0.00	2.05	1.00	56.40	1.50	11.40	23.40	1.05	0.00	0.00	0.00	0.10	
5	0.00	2.60	0.80	54.35	1.30	10.60	17.50	1.05	0.00	0.00	0.00	0.20	
6	0.00	2.80	0.65	8.40	1.15	11.80	11.80	1.15	0.00	0.00	0.00	0.30	
7	0.00	2.90	0.55	8.85	1.00	14.50	9.00	1.25	0.00	0.00	0.00	0.45	
8	0.00	2.80	0.55	9.70	0.90	19.20	7.40	1.05	0.00	0.00	0.00	0.55	
9	0.00	2.65	1.45	11.10	0.75	28.80	6.60	0.95	0.00	0.00	0.00	0.65	
10	0.00	2.50	4.60	13.90	0.55	33.60	6.60	0.75	0.00	0.00	0.00	0.75	
11	0.00	2.35	8.70	17.05	1.20	34.20	11.40	0.70	0.00	0.00	0.00	0.80	
12	0.00	2.15	21.25	18.10	2.80	34.20	15.00	0.40	0.00	0.00	0.00	0.75	
13	0.00	2.00	58.45	16.00	7.40	36.60	14.00	0.20	0.00	0.00	0.00	0.60	
14	0.00	1.85	53.50	13.90	18.00	53.70	17.50	0.15	0.00	0.00	0.05	0.50	
15	0.00	1.65	56.40	12.50	27.60	74.25	30.60	0.10	0.00	0.00	0.15	0.40	
16	0.00	1.45	39.00	11.10	30.00	76.50	44.60	0.10	0.00	0.00	0.30	0.35	
17	0.00	1.25	31.20	9.70	28.20	80.25	50.45	0.05	0.00	0.00	0.50	0.30	
18	0.00	1.15	27.60	8.25	24.60	78.75	46.55	0.05	0.00	0.00	0.70	0.25	
19	0.00	1.05	25.80	7.50	20.40	72.75	37.80	0.00	0.00	0.00	0.90	0.20	
20	0.00	0.90	23.40	6.90	15.50	62.00	32.40	0.00	0.00	0.00	1.20	0.20	
21	0.00	0.80	21.00	6.40	11.80	51.75	30.00	0.00	0.00	0.00	1.70	0.15	
22	0.00	0.65	17.00	6.90	9.40	43.30	28.20	0.00	0.00	0.00	1.75	0.15	
23	0.00	0.55	10.20	16.00	6.60	39.60	25.20	0.00	0.00	0.00	1.50	0.15	
24	0.00	1.35	5.80	55.15	4.40	37.80	21.00	0.00	0.00	0.05	1.20	0.45	
25	0.00	1.60	6.20	110.50	4.00	37.80	16.50	0.00	0.00	0.15	0.90	1.25	
26	0.00	1.80	16.00	112.75	3.80	38.40	2.45	0.00	0.00	0.15	0.60	2.45	
27	0.00	1.80	22.20	68.35	4.00	38.40	2.10	0.00	0.00	0.15	0.35	3.05	
28	0.00	1.75	28.80	37.00	10.20	37.80	1.90	0.00	0.00	0.10	0.20	3.30	
29	0.00	1.70	39.60	12.85	14.00	36.00	1.75	0.00	0.00	0.10		3.30	
30	0.00	1.70	49.80	6.30	16.50	34.20	1.65	0.00	0.00	0.05		3.25	
31		1.60		4.00	17.50		1.50		0.05	0.00		3.10	
Total	0.00	51.45	575.50	903.10	292.10	1171.25	603.05	12.65	0.05	0.75	12.00	28.25	3650



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	2.70	64.80	7.73	73.58	23.20	5.35	4.05	2.75	0.00	0.00	
2	0.00	0.00	1.68	44.50	4.35	69.75	34.70	11.00	3.85	2.65	0.00	0.00	
3	0.00	0.00	0.00	29.00	6.80	69.75	28.55	9.30	3.65	2.41	0.00	0.00	
4	0.00	0.00	0.00	20.34	8.93	73.15	18.25	8.48	3.45	2.10	0.00	0.00	
5	0.00	0.00	0.00	24.50	9.20	78.10	13.40	8.33	3.30	1.89	0.00	0.00	
6	0.00	0.98	0.00	23.52	8.03	76.56	28.55	9.30	3.20	1.64	0.00	0.00	
7	0.00	1.64	0.00	49.40	6.45	63.05	35.73	10.80	3.15	1.60	0.00	0.00	
8	0.00	2.14	0.82	50.80	4.45	64.45	33.68	10.80	3.10	1.56	0.00	0.00	
9	0.00	2.65	4.10	23.52	2.95	80.15	33.68	9.80	3.05	1.52	0.00	0.00	
10	0.00	3.10	15.50	32.25	4.95	94.50	30.60	8.78	3.00	1.44	0.00	0.00	
11	0.00	3.45	85.79	29.00	6.80	95.53	16.60	7.73	3.00	1.35	0.00	0.00	
12	0.00	3.65	80.66	21.07	8.85	91.94	11.60	6.70	3.40	1.31	0.00	0.00	
13	0.00	3.75	66.35	21.81	10.00	86.81	17.15	5.85	3.85	1.19	0.00	0.00	
14	0.00	3.80	85.79	46.60	25.95	89.38	35.73	4.80	4.00	1.11	0.00	0.00	
15	0.00	3.85	82.71	44.50	92.60	91.43	34.70	5.90	3.95	1.03	0.00	0.00	
16	0.00	3.90	69.75	21.32	18.80	92.96	23.20	5.90	3.75	0.98	0.00	0.00	
17	0.00	3.85	60.95	18.38	8.18	80.60	23.75	5.85	3.55	0.90	0.00	0.00	
18	0.00	3.85	46.95	20.09	4.05	63.80	29.58	5.75	3.50	0.82	0.00	0.00	
19	0.00	3.85	23.52	23.52	3.20	49.40	28.55	5.70	3.40	0.74	0.00	0.00	
20	0.00	3.85	20.58	29.00	8.70	34.70	19.35	5.65	3.35	0.57	0.00	0.00	
21	0.00	3.85	30.85	38.20	11.15	23.75	30.60	5.60	3.30	0.33	0.00	0.00	
22	0.00	3.85	13.97	49.75	5.50	28.55	80.60	5.45	3.25	0.08	0.00	0.00	
23	0.00	3.80	8.58	68.48	3.95	43.93	38.80	5.35	3.20	0.00	0.00	0.00	
24	0.00	3.70	41.70	92.96	7.20	59.00	21.00	5.20	3.20	0.00	0.00	0.00	
25	0.00	3.85	64.45	99.63	11.00	40.85	12.80	5.10	3.25	0.00	0.00	0.00	
26	0.00	5.40	58.50	97.06	13.70	37.78	17.70	5.00	3.20	0.00	0.00	0.00	
27	0.00	9.70	9.80	94.50	24.30	35.73	44.95	4.80	3.15	0.00	0.00	0.00	
28	0.00	16.60	7.60	61.40	21.55	27.53	24.85	4.60	3.10	0.00	0.00	0.00	
29	0.00	17.70	71.45	18.80	60.25	24.85	10.50	4.45	3.05	0.00	0.00	0.00	
30	0.00	10.50	74.00	7.40	81.69	24.85	12.80	4.25	2.95	0.00	0.00	0.00	
31		4.20		5.60	78.10		5.05		2.85	0.00	0.00	0.00	
Total	0.00	131.46	1028.75	1271.70	569.36	1866.41	820.20	201.57	104.05	29.97	0.00	0.00	6023.47
Mean	0.00	4.24	34.29	41.02	18.37	62.21	26.46	6.72	3.36	0.97	0.00	0.00	16.50
Max	0.00	17.70	85.79	99.63	92.60	95.53	80.60	11.00	4.05	2.75	0.00	0.00	99.63
Min	0.00	0.00	0.00	5.60	2.95	23.75	5.05	4.25	2.85	0.00	0.00	0.00	0.00
Runoff	0.00	11.36	88.88	109.87	49.19	161.26	70.87	17.42	8.99	2.59	0.00	0.00	520.43
Momentary Peak	108.00 CMS. at 147.46 m. (MSL.) at 06.00 Hours , on Aug 15, 2021												
Runoff Yield	20.65	Liters/Second/Square KM.				Momentary Peak Yield		135.17	Liters/Second/Square KM.				

WATER YEAR : 2021

KHONG RIVER BASIN

Songkhram River at Ban Lao Sombun , Sakon Nakhon (Kh.115)

Lat 18 - 00 - 20 N Long 103 - 28 - 21 E

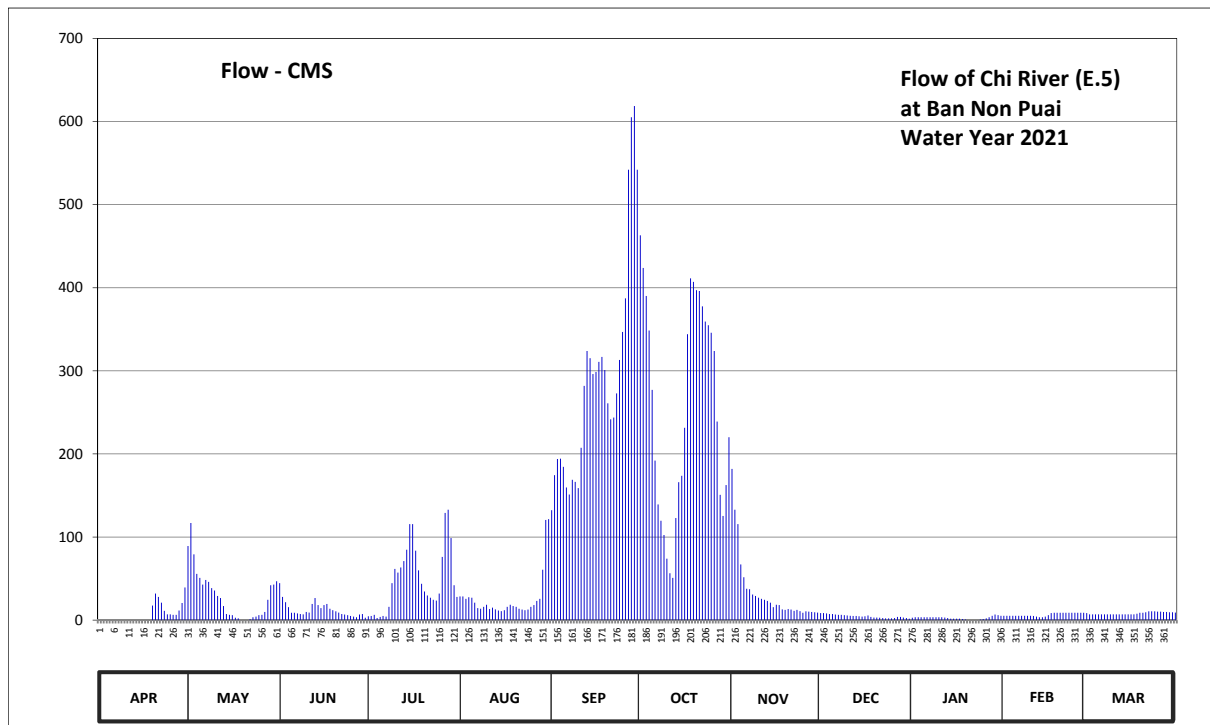
Location : on right bank Ban Lao Sombun.

	Ban Lao Sombun	Amphoe Ban Muang	Changwat Sakon Nakhon
Drainge Area	2,846 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+143.000 m. (MSL.)		
Bench Mark	B.M.- H.D.		
Location BM	On right bank at the automatic gage building.	Elevation	+156.671 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	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 35 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

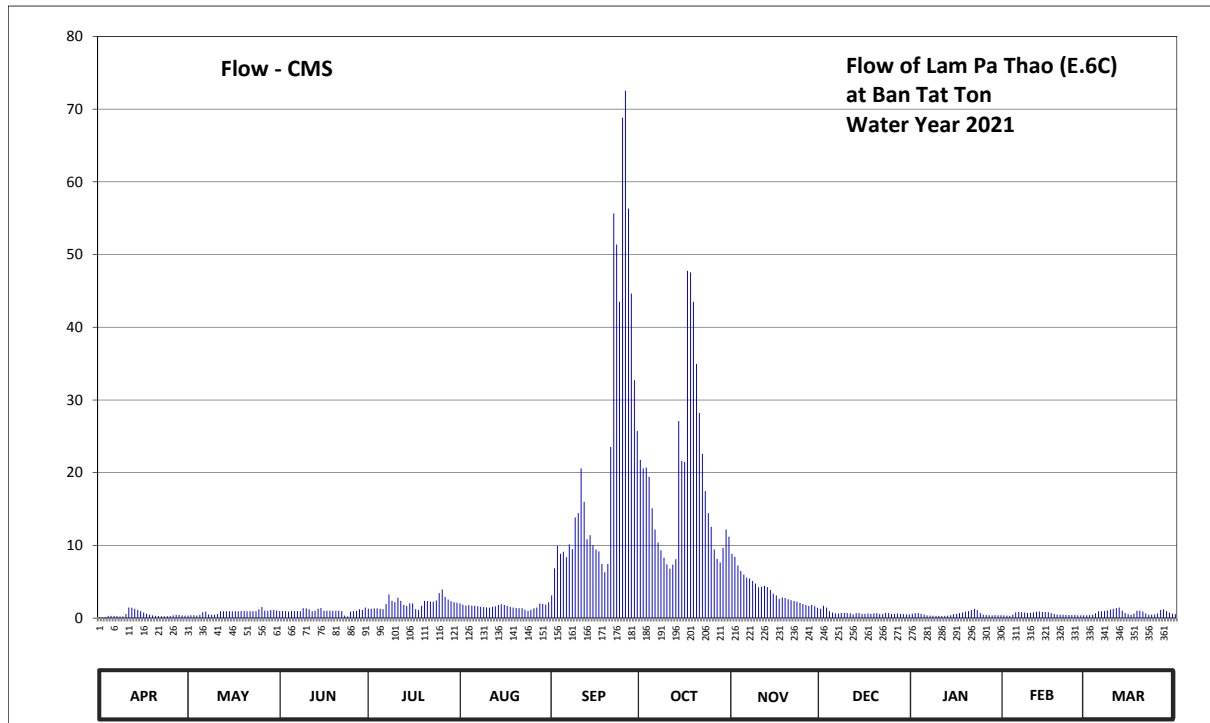
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	143.58	143.61	143.59	146.99	147.72	146.22	149.58	151.20	143.60	143.55	143.88	143.87	
2	143.58	143.61	143.59	147.16	147.26	146.76	149.13	150.97	143.62	143.55	143.88	143.87	
3	143.58	143.61	143.59	147.49	146.82	147.90	148.76	150.66	143.64	143.55	143.88	143.87	
4	143.58	143.60	143.59	147.37	146.19	149.48	148.65	150.22	143.66	143.55	143.88	143.87	
5	143.59	143.60	143.60	147.02	145.98	150.30	148.27	149.29	143.66	143.55	143.88	143.87	
6	143.59	143.60	143.60	146.80	145.88	150.45	147.56	148.28	143.65	143.55	143.88	143.86	
7	143.59	143.59	143.62	146.88	145.79	150.53	146.85	147.74	143.65	143.55	143.88	143.86	
8	143.59	143.59	143.87	147.49	145.73	150.56	146.67	147.18	143.65	143.55	143.88	143.86	
9	143.58	143.59	144.34	147.64	145.67	150.62	146.58	146.28	143.65	143.55	143.88	143.86	
10	143.58	143.59	144.55	147.68	145.60	150.78	146.59	145.38	143.65	143.55	143.88	143.86	
11	143.60	143.59	144.64	147.54	145.56	151.05	146.85	144.72	143.65	143.55	143.88	143.86	
12	143.57	143.59	144.78	147.09	145.69	151.27	147.06	144.64	143.65	143.55	143.88	143.86	
13	143.56	143.59	145.27	146.76	146.02	151.26	146.65	144.70	143.65	143.59	143.88	143.86	
14	143.56	143.59	147.18	146.64	146.37	151.30	146.65	144.77	143.65	143.78	143.88	143.86	
15	143.55	143.59	147.49	146.63	146.85	151.44	148.17	144.94	143.64	143.88	143.88	143.87	
16	143.55	143.59	147.55	146.93	147.43	151.57	148.21	145.09	143.64	143.90	143.89	143.87	
17	143.55	143.59	147.40	147.21	147.98	151.69	148.24	144.82	143.63	143.90	143.90	143.88	
18	143.55	143.59	147.06	147.41	148.33	151.87	148.26	145.00	143.63	143.90	143.90	143.88	
19	143.55	143.59	146.87	147.71	148.51	151.93	148.49	145.05	143.63	143.90	143.90	143.88	
20	143.56	143.59	147.66	147.68	148.30	151.95	148.27	145.03	143.62	143.90	143.90	143.88	
21	143.56	143.60	147.94	147.82	147.98	151.94	148.64	144.86	143.62	143.90	143.90	143.88	
22	143.56	143.63	147.95	148.17	147.64	151.88	148.89	144.50	143.62	143.90	143.90	143.88	
23	143.56	143.65	147.79	148.84	147.25	151.78	150.42	144.18	143.62	143.90	143.89	143.88	
24	143.57	143.65	147.20	149.63	146.93	151.65	151.34	143.86	143.62	143.90	143.88	143.88	
25	143.58	143.65	146.95	150.06	146.69	151.49	151.56	143.79	143.61	143.90	143.88	143.88	
26	143.58	143.64	146.86	150.46	146.45	151.31	151.66	143.70	143.59	143.90	143.88	143.87	
27	143.59	143.66	146.70	150.35	146.45	151.12	151.68	143.65	143.58	143.90	143.88	143.87	
28	143.59	143.84	146.30	150.09	146.52	150.86	151.67	143.64	143.57	143.89	143.88	143.90	
29	143.60	143.70	146.31	149.69	146.53	150.49	151.60	143.63	143.56	143.88		143.92	
30	143.61	143.64	146.81	149.01	146.42	150.06	151.48	143.62	143.56	143.88		143.90	
31		143.61		148.34	146.23		151.35		143.55	143.88		143.90	
Mean	143.57	143.62	145.82	147.95	146.73	150.72	148.90	145.85	143.62	143.75	143.89	143.87	
Max	143.61	143.84	147.95	150.46	148.51	151.95	151.68	151.20	143.66	143.90	143.90	143.92	151.95
Min	143.55	143.59	143.59	146.63	145.56	146.22	146.58	143.62	143.55	143.55	143.88	143.86	143.55
Annual Max Momentary Gage Height	151.95	m. (MSL.) ,		at 13.00 Hours , on Sep 20, 2021									
Zero Gage at Bottom Elevation	143.00	m. (MSL.) ,		River Bed		142.96	m. (MSL.)						
Left Bank Elevation		155.87	m. (MSL.) ,										
Right Bank Elevation		156.92	m. (MSL.) ,		Drainage Are	2,846	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.14	20.58	27.64	13.91	61.92	112.00	0.16	0.08	0.00	0.00	
2	0.00	0.00	0.14	22.05	22.92	18.59	51.86	102.98	0.19	0.08	0.00	0.00	
3	0.00	0.00	0.14	24.91	19.11	29.80	44.20	92.44	0.22	0.08	0.00	0.00	
4	0.00	0.00	0.14	23.87	13.65	59.56	42.00	78.60	0.24	0.08	0.00	0.00	
5	0.00	0.00	0.16	20.84	11.90	81.00	35.32	55.38	0.24	0.08	0.00	0.00	
6	0.00	0.00	0.16	18.93	11.39	85.50	25.72	35.48	0.23	0.08	0.00	0.00	
7	0.00	0.00	0.19	19.63	10.93	88.02	19.37	27.88	0.23	0.08	0.00	0.00	
8	0.00	0.00	1.17	24.91	10.63	89.04	17.81	22.23	0.23	0.08	0.00	0.00	
9	0.00	0.00	3.56	26.68	10.32	91.08	17.03	14.43	0.23	0.08	0.00	0.00	
10	0.00	0.00	4.62	27.16	9.97	96.52	17.11	8.85	0.23	0.00	0.00	0.00	
11	0.00	0.00	5.08	25.48	9.76	106.00	19.37	5.49	0.23	0.00	0.00	0.00	
12	0.00	0.00	5.79	21.45	10.42	114.80	21.19	5.08	0.23	0.00	0.00	0.00	
13	0.00	0.00	8.29	18.59	12.17	114.40	17.63	5.39	0.23	0.00	0.00	0.00	
14	0.00	0.00	22.23	17.55	15.21	116.00	17.63	5.74	0.23	0.00	0.00	0.00	
15	0.00	0.00	24.91	17.46	19.37	121.60	33.72	6.61	0.22	0.00	0.00	0.00	
16	0.00	0.00	25.60	20.06	24.39	126.94	34.36	7.37	0.22	0.00	0.00	0.00	
17	0.00	0.00	24.13	22.49	30.76	131.98	34.84	6.00	0.20	0.00	0.00	0.00	
18	0.00	0.00	21.19	24.22	36.28	139.54	35.16	6.91	0.20	0.00	0.00	0.00	
19	0.00	0.00	19.54	27.52	39.20	142.06	38.84	7.17	0.20	0.00	0.00	0.00	
20	0.00	0.00	26.92	27.16	35.80	142.90	35.32	7.07	0.19	0.00	0.00	0.00	
21	0.00	0.00	30.28	28.84	30.76	142.48	41.80	6.20	0.19	0.00	0.00	0.00	
22	0.00	0.00	30.40	33.72	26.68	139.96	46.80	4.37	0.19	0.00	0.00	0.00	
23	0.00	0.00	28.48	45.80	22.83	135.76	84.60	2.74	0.19	0.00	0.00	0.00	
24	0.00	0.00	22.40	63.12	20.06	130.30	117.60	1.11	0.19	0.00	0.00	0.00	
25	0.00	0.00	20.23	73.80	17.98	123.60	126.52	0.76	0.17	0.00	0.00	0.00	
26	0.00	0.00	19.45	85.80	15.90	116.40	130.72	0.30	0.14	0.00	0.00	0.00	
27	0.00	0.00	18.07	82.50	15.90	108.80	131.56	0.23	0.13	0.00	0.00	0.00	
28	0.00	1.01	14.60	74.70	16.51	99.24	131.14	0.22	0.11	0.00	0.00	0.00	
29	0.00	0.30	14.69	64.56	16.59	86.70	128.20	0.20	0.10	0.00	0.00	0.00	
30	0.00	0.22	19.02	49.22	15.64	73.80	123.20	0.19	0.10	0.00	0.00	0.00	
31		0.17		36.44	13.99		118.00		0.08	0.00		0.00	
Total	0.00	1.70	411.72	1090.04	594.								



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	89.20	44.40	4.55	28.50	132.30	463.00	182.00	8.40	2.80	5.25	8.40		
2	0.00	116.80	28.00	4.90	28.50	174.40	423.80	132.90	8.40	3.50	5.25	7.00		
3	0.00	79.20	21.50	6.30	25.50	193.80	390.00	115.60	8.05	3.50	5.25	7.00		
4	0.00	55.60	15.50	2.45	27.50	194.25	348.50	67.00	7.35	3.50	5.25	7.00		
5	0.00	50.80	8.75	3.85	27.00	184.40	277.00	51.60	7.35	3.50	5.25	7.00		
6	0.00	42.80	8.75	4.90	21.00	159.60	192.00	37.80	6.65	3.50	5.25	7.00		
7	0.00	48.40	8.05	4.20	14.50	151.20	139.20	37.10	6.30	3.50	5.25	7.00		
8	0.00	46.00	7.35	16.00	13.65	168.80	119.50	30.80	6.30	3.50	5.25	7.00		
9	0.00	38.50	7.00	44.40	16.00	166.40	102.40	29.00	5.95	3.50	5.25	7.00		
10	0.00	35.70	9.80	61.60	18.50	158.80	74.00	27.00	5.60	3.50	5.25	7.00		
11	0.00	29.00	9.10	57.20	13.30	207.30	56.40	25.50	5.25	3.50	4.90	7.00		
12	0.00	26.50	19.50	63.40	15.00	281.80	50.80	24.50	4.90	3.15	4.20	7.00		
13	0.00	17.00	26.50	71.00	12.95	323.80	122.75	23.00	4.90	2.45	3.50	7.00		
14	0.00	7.35	18.00	84.70	11.55	315.25	166.00	21.00	4.55	1.75	3.50	7.00		
15	0.00	6.30	14.50	115.60	10.85	296.20	173.60	15.50	4.20	1.75	4.20	7.00		
16	0.00	5.95	18.00	115.60	11.90	298.60	231.50	18.50	4.55	1.75	5.95	7.00		
17	0.00	2.80	19.50	83.60	16.00	310.75	344.00	18.00	5.60	1.75	8.40	7.00		
18	0.00	2.10	13.65	59.80	18.50	316.75	411.20	12.95	3.85	1.40	8.75	7.70		
19	17.50	0.00	11.90	43.60	17.00	301.00	407.00	12.25	3.15	0.70	8.75	8.75		
20	32.00	0.00	10.50	34.40	16.00	260.85	397.00	13.30	3.15	0.00	8.75	8.75		
21	28.00	0.00	9.10	29.60	13.65	241.60	396.00	12.60	2.80	0.00	8.75	9.45		
22	21.00	1.05	7.35	27.00	12.60	243.80	377.65	11.20	2.45	0.00	8.75	10.50		
23	11.20	3.50	6.65	24.50	11.90	272.80	359.30	12.25	2.10	0.00	8.75	10.50		
24	7.00	4.20	5.95	23.50	12.60	313.00	354.80	10.85	2.10	0.70	8.75	10.50		
25	7.00	5.95	4.90	32.00	16.00	346.70	345.80	8.75	2.10	1.40	8.75	10.15		
26	6.30	6.30	4.20	76.00	18.00	387.15	323.80	10.50	2.45	2.10	8.75	10.15		
27	6.30	9.80	3.50	129.00	23.00	542.00	238.85	10.15	3.85	3.50	8.75	9.80		
28	11.55	24.50	6.65	132.90	25.50	605.10	150.80	9.80	3.85	5.25	8.75	9.80		
29	20.50	42.00	7.35	98.80	60.70	618.60	125.40	9.45	3.15	6.65		9.45		
30	39.20	42.80	2.80	42.00	120.50	542.00	162.40	9.10	2.45	5.95		9.45		
31		46.80		28.00	121.50		220.00		1.75	5.25		9.10		
Total	207.55	886.90	378.70	1525.35	799.65	8709.00	7944.45	999.95	143.50	83.30	183.40	254.45	22116.20	CMSDAY
Mean	6.92	28.61	12.62	49.20	25.80	290.30	256.27	33.33	4.63	2.69	6.55	8.21	60.59	CMS
Max	39.20	116.80	44.40	132.90	121.50	618.60	463.00	182.00	8.40	6.65	8.75	10.50	618.60	CMS
Min	0.00	0.00	2.80	2.45	10.85	132.30	50.80	8.75	1.75	0.00	3.50	7.00	0.00	CMS
Runoff	17.93	76.63	32.72	131.79	69.09	752.46	686.40	86.40	12.40	7.20	15.85	21.98	1910.84	MCM
Momentary Peak	645.60	CMS, at 198.78 m. (MSL.), at 02.00 Hours, on Sep 29, 2021												
Runoff Yield	14.35	Liters/Second/Square KM.			Momentary Peak Yield			152.95 Liters/Second/Square KM.						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.10	0.36	0.97	1.30	2.02	3.13	21.76	8.85	1.30	0.60	0.38	0.40	
2	0.10	0.40	0.97	1.30	1.84	6.85	20.60	8.42	1.69	0.68	0.34	0.42	
3	0.16	0.40	0.97	1.33	1.72	9.92	20.70	7.23	1.45	0.70	0.32	0.48	
4	0.30	0.36	0.91	1.33	1.78	8.85	19.43	6.48	0.94	0.60	0.48	0.66	
5	0.30	0.46	0.97	1.27	1.72	9.12	15.12	5.99	0.76	0.48	0.79	0.94	
6	0.30	0.82	0.97	1.24	1.69	8.36	12.18	5.56	0.66	0.38	0.85	0.94	
7	0.28	0.91	0.97	1.93	1.63	10.14	10.41	5.45	0.64	0.34	0.82	0.97	
8	0.24	0.50	0.94	3.25	1.57	9.49	9.33	5.13	0.73	0.32	0.76	1.06	
9	0.24	0.46	1.36	2.38	1.51	13.84	8.31	4.75	0.70	0.30	0.70	1.18	
10	0.54	0.46	1.33	2.20	1.48	14.43	7.39	4.22	0.70	0.30	0.73	1.27	
11	1.45	0.58	1.21	2.80	1.45	20.60	6.80	4.32	0.66	0.28	0.79	1.39	
12	1.42	0.94	0.94	2.38	1.57	16.00	7.34	4.43	0.52	0.30	0.88	1.45	
13	1.27	0.94	1.00	1.81	1.63	10.84	8.09	4.27	0.68	0.32	0.91	1.03	
14	1.12	0.94	1.30	1.66	1.81	11.39	27.10	3.88	0.70	0.40	0.85	0.70	
15	0.94	0.94	1.39	2.02	1.90	10.03	21.62	3.37	0.60	0.54	0.85	0.52	
16	0.76	0.94	1.00	2.02	1.81	9.44	21.49	3.13	0.60	0.60	0.82	0.44	
17	0.60	0.94	1.00	1.24	1.66	9.17	47.78	2.65	0.64	0.68	0.68	0.62	
18	0.48	0.94	1.00	1.12	1.57	7.45	47.55	2.83	0.60	0.76	0.56	1.00	
19	0.38	0.97	1.00	1.69	1.45	6.32	43.50	2.77	0.66	0.88	0.48	1.00	
20	0.30	0.97	1.00	2.38	1.39	7.45	34.95	2.59	0.68	0.97	0.46	0.91	
21	0.28	0.94	1.00	2.35	1.36	23.54	28.20	2.47	0.56	1.12	0.46	0.64	
22	0.26	0.94	0.97	2.26	1.36	55.65	22.58	2.35	0.56	1.27	0.44	0.46	
23	0.26	0.94	0.34	2.26	1.15	51.38	17.47	2.26	0.73	1.09	0.42	0.48	
24	0.26	0.94	0.24	2.41	1.00	43.50	14.43	2.11	0.70	0.68	0.42	0.50	
25	0.28	1.21	0.91	3.43	1.15	68.84	12.57	1.93	0.58	0.48	0.42	0.64	
26	0.38	1.51	0.97	3.94	1.33	72.54	9.44	1.81	0.56	0.42	0.40	1.12	
27	0.46	1.03	1.00	2.92	1.45	56.33	8.15	1.66	0.64	0.40	0.40	1.21	
28	0.44	1.00	1.21	2.56	1.99	44.63	7.66	1.81	0.58	0.38	0.40	0.97	
29	0.38	1.09	1.12	2.32	1.96	32.72	9.65	1.63	0.56	0.40		0.76	
30	0.32	1.12	1.45	2.17	1.87	25.73	12.18	1.42	0.52	0.40		0.62	
31		1.06		2.11	2.17		11.20		0.50	0.40		0.54	
Total	14.60	26.01	30.41	65.38	49.99	677.68	564.98	115.77	22.40	17.47	16.81	25.32	1626.82 CMSDAY
Mean	0.49	0.84	1.01	2.11	1.61	22.59	18.23	3.86	0.72	0.56	0.60	0.82	4.46 CMS
Max	1.45	1.51	1.45	3.94	2.17	72.54	47.78	8.85	1.69	1.27	0.91	1.45	72.54 CMS
Min	0.10	0.36	0.24	1.12	1.00	3.13	6.80	1.42	0.50	0.28	0.32	0.40	0.10 CMS
Runoff	1.26	2.25	2.63	5.65	4.32	58.55	48.81	10.00	1.94	1.51	1.45	2.19	140.56 MCM
Momentary Peak	82.16 CMS, at 198.68 m. (MSL), at 24.00 Hours, on Sep 25, 2021												
Runoff Yield	10.69	Liters/Second/Square KM.		Momentary Peak Yield		197.03	Liters/Second/Square KM.						

WATER YEAR : 2021**CHI RIVER BASIN****Chi River at Ban Chot , Khon Kaen (E.9)**

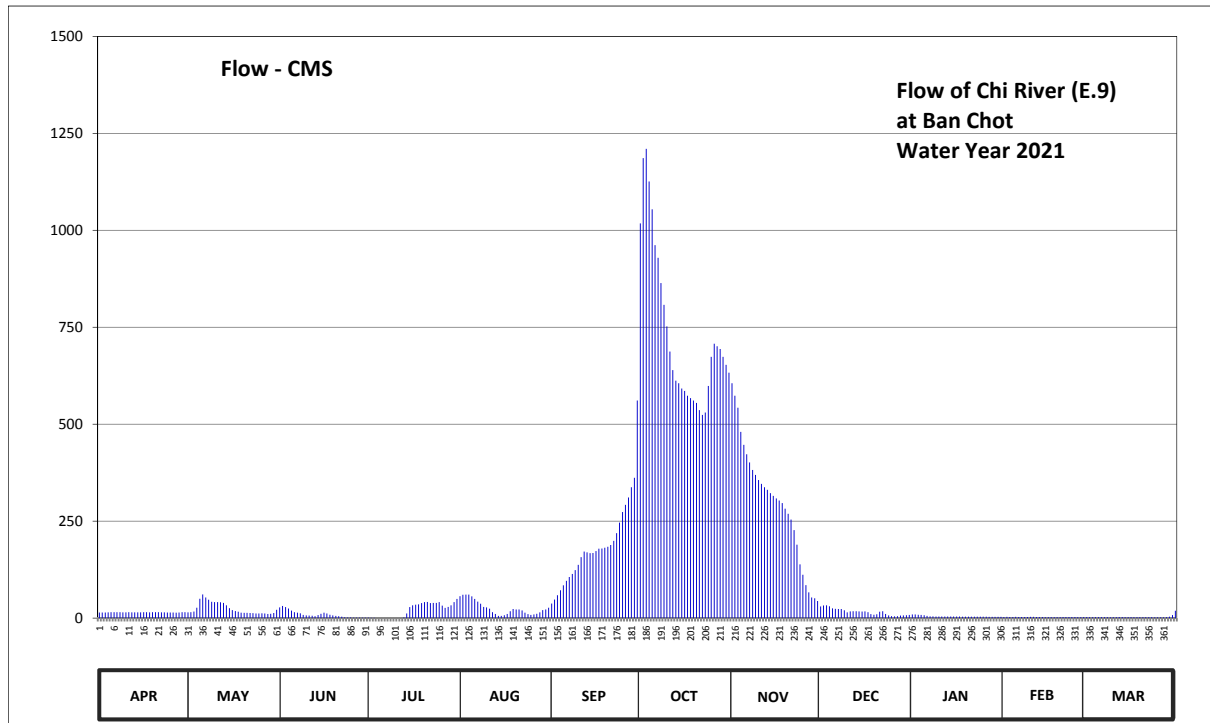
Lat 16 - 05 - 49 N Long 102 - 34 - 12 E

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

	Ban Chot	Amphoe Manchakhiri	Changwat Khon Kaen
Drainage 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 42 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	154.04	154.06	155.03	152.71	156.65	155.66	163.04	162.52	155.20	153.54	152.90	152.87	
2	154.04	154.08	155.27	152.69	156.81	156.23	163.18	162.47	155.34	153.56	152.92	152.85	
3	154.04	154.23	155.10	152.66	156.83	156.76	163.20	162.42	155.38	153.48	152.90	152.86	
4	154.06	154.99	154.81	152.61	156.84	157.29	163.13	162.32	155.21	153.43	152.89	152.86	
5	154.10	156.32	154.42	152.61	156.62	157.76	163.07	162.24	154.87	153.34	152.91	152.85	
6	154.09	156.86	154.08	152.56	156.31	158.14	162.99	162.17	154.77	153.17	152.90	152.83	
7	154.08	156.48	153.99	152.51	155.97	158.43	162.95	162.11	154.74	153.07	152.90	152.85	
8	154.08	156.21	153.84	152.50	155.63	158.65	162.87	162.05	154.72	153.04	152.90	152.86	
9	154.07	155.93	153.44	152.49	155.12	158.91	162.80	162.01	154.47	153.03	152.90	152.81	
10	154.07	155.89	153.28	152.51	155.04	159.25	162.73	161.95	154.06	153.03	152.92	152.83	
11	154.08	155.88	153.24	152.52	154.78	159.68	162.64	161.90	154.26	153.03	152.92	152.85	
12	154.07	155.87	153.20	152.56	154.10	159.97	162.57	161.85	154.28	153.02	152.90	152.87	
13	154.06	155.77	153.09	152.76	153.65	159.93	162.53	161.81	154.27	153.02	152.88	152.90	
14	154.07	155.37	153.38	153.78	153.19	159.89	162.52	161.76	154.25	153.01	152.87	152.85	
15	154.07	154.88	153.72	155.08	153.16	159.90	162.50	161.72	154.23	153.01	152.85	152.83	
16	154.08	154.52	153.98	155.38	153.36	160.00	162.49	161.67	154.24	153.00	152.86	152.84	
17	154.08	154.32	153.80	155.47	153.69	160.10	162.47	161.62	154.10	152.99	152.86	152.84	
18	154.07	154.20	153.46	155.53	154.27	160.11	162.46	161.56	153.61	152.98	152.86	152.84	
19	154.08	154.01	153.28	155.74	154.72	160.14	162.45	161.43	153.46	152.98	152.85	152.85	
20	154.09	153.97	153.17	155.88	154.65	160.18	162.44	161.31	153.58	152.97	152.84	152.85	
21	154.08	153.95	153.10	155.91	154.63	160.26	162.41	161.17	154.19	152.97	152.87	152.83	
22	154.07	153.92	152.95	155.73	154.43	160.44	162.39	160.85	154.27	152.97	152.87	152.84	
23	154.05	153.87	152.80	155.76	154.01	160.75	162.40	160.27	153.68	152.96	152.88	152.83	
24	154.04	153.79	152.78	155.76	153.61	161.08	162.51	159.28	153.28	152.96	152.88	152.81	
25	154.03	153.78	152.76	155.88	153.43	161.35	162.62	158.59	153.10	152.96	152.88	152.80	
26	154.02	153.84	152.74	155.33	153.54	161.52	162.67	157.78	153.04	152.95	152.86	152.81	
27	154.01	153.79	152.73	154.96	153.72	161.69	162.66	157.09	153.08	152.93	152.86	152.82	
28	154.02	153.67	152.73	155.11	154.05	161.85	162.65	156.49	153.26	152.92	152.87	152.86	
29	154.08	153.72	152.72	155.38	154.51	161.98	162.62	156.38	153.29	152.91		152.97	
30	154.08	153.93	152.73	155.90	154.62	162.45	162.59	156.06	153.36	152.91		153.38	
31		154.57		156.31	154.97		162.56		153.42	152.91		154.38	
Mean	154.06	154.73	153.52	154.28	154.74	159.68	162.68	160.76	154.10	153.07	152.88	152.91	
Max	154.10	156.86	155.27	156.31	156.84	162.45	163.20	162.52	155.38	153.56	152.92	154.38	163.20
Min	154.01	153.67	152.72	152.49	153.16	155.66	162.39	156.06	153.04	152.91	152.84	152.80	152.49
Annual Max Momentary Gage Height	163.22		m. (MSL.) ,			at 06.00 Hours, on Oct 3, 2021							
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	14.52	14.78	27.48	1.10	56.65	37.56	1018.00	605.60	30.20	9.40	3.00	2.70		
2	14.52	15.04	31.32	0.90	60.01	47.83	1186.00	573.40	32.44	9.60	3.20	2.50		
3	14.52	16.99	28.60	0.60	60.43	58.96	1210.00	542.40	33.08	8.80	3.00	2.60		
4	14.78	26.87	24.53	0.10	60.64	71.83	1126.00	480.40	30.36	8.30	2.90	2.60		
5	15.30	49.72	19.46	0.10	56.02	84.52	1054.00	447.00	25.31	7.40	3.10	2.50		
6	15.17	61.06	15.04	0.00	49.51	95.90	961.80	422.50	24.01	5.70	3.00	2.30		
7	15.04	53.08	13.90	0.00	42.52	106.05	929.00	401.50	23.62	4.70	3.00	2.50		
8	15.04	47.41	12.40	0.00	37.08	114.05	864.01	382.00	23.36	4.40	3.00	2.60		
9	14.91	41.88	8.40	0.00	28.92	123.67	808.00	369.20	20.11	4.30	3.00	2.10		
10	14.91	41.24	6.80	0.00	27.64	137.25	752.00	356.00	14.78	4.30	3.20	2.30		
11	15.04	41.08	6.40	0.00	24.14	157.00	687.20	346.00	17.38	4.30	3.20	2.50		
12	14.91	40.92	6.00	0.00	15.30	171.50	639.60	337.50	17.64	4.20	3.00	2.70		
13	14.78	39.32	4.90	1.60	10.50	169.50	612.40	330.70	17.51	4.20	2.80	3.00		
14	14.91	32.92	7.80	11.80	5.90	167.50	605.60	322.20	17.25	4.10	2.70	2.50		
15	14.91	25.44	11.20	28.28	5.60	168.00	592.00	315.40	16.99	4.10	2.50	2.30		
16	15.04	20.76	13.80	33.08	7.60	173.00	585.80	308.70	17.12	4.00	2.60	2.40		
17	15.04	18.16	12.00	34.52	10.90	179.00	573.40	303.20	15.30	3.90	2.60	2.40		
18	14.91	16.60	8.60	35.48	17.51	179.60	567.20	296.60	10.10	3.80	2.60	2.40		
19	15.04	14.13	6.80	38.84	23.36	181.40	561.00	282.30	8.60	3.80	2.50	2.50		
20	15.17	13.70	5.70	41.08	22.45	183.80	554.80	269.10	9.80	3.70	2.40	2.50		
21	15.04	13.50	5.00	41.56	22.19	188.60	536.20	254.30	16.47	3.70	2.70	2.30		
22	14.91	13.20	3.50	38.68	19.59	199.40	523.80	227.00	17.51	3.70	2.70	2.40		
23	14.65	12.70	2.00	39.16	14.13	219.00	530.00	189.20	10.80	3.60	2.80	2.30		
24	14.52	11.90	1.80	39.16	10.10	246.20	598.80	138.60	6.80	3.60	2.80	2.10		
25	14.39	11.80	1.60	41.08	8.30	273.50	673.60	111.83	5.00	3.60	2.80	2.00		
26	14.26	12.40	1.40	32.28	9.40	292.20	707.60	85.06	4.40	3.50	2.60	2.10		
27	14.13	11.90	1.30	26.48	11.20	310.90	700.80	66.43	4.80	3.30	2.60	2.20		
28	14.26	10.70	1.30	28.76	14.65	337.50	694.00	53.29	6.60	3.20	2.70	2.60		
29	15.04	11.20	1.20	33.08	20.63	362.00	673.60	50.98	6.90	3.10		3.70		
30	15.04	13.30	1.30	41.40	22.06	561.00	653.20	44.26	7.60	3.10		7.80		
31		21.41		49.51	26.61		632.80		8.20	3.10		18.94		
Total	444.70	775.11	291.53	638.63	801.54	5598.22	22812.21	8912.65	500.04	144.50	79.00	98.34	41096.47	CMSDAY
Mean	14.82	25.00	9.72	20.60	25.86	186.61	735.88	297.09	16.13	4.66	2.82	3.17	112.59	CMS
Max	15.30	61.06	31.32	49.51	60.64	561.00	1210.00	605.60	33.08	9.60	3.20	18.94	1210.00	CMS
Min	14.13	10.70	1.20	0.00	5.60	37.56	523.80	44.26	4.40	3.10	2.40	2.00	0.00	CMS
Runoff	38.42	66.97	25.19	55.18	69.25	483.69	1970.97	770.05	43.20	12.48	6.83	8.50	3550.74	MCM
Momentary Peak	1234.00	CMS, at 163.22 m. (MSL.), at 06.00 Hours, on Oct 3, 2021												
Runoff Yield	10.29	Liters/Second/Square KM.		Momentary Peak Yield		112.78	Liters/Second/Square KM.							

WATER YEAR : 2021**CHI RIVER BASIN****Chi River at Ban Tha Sa Baeng , Roi Et (E.18)**

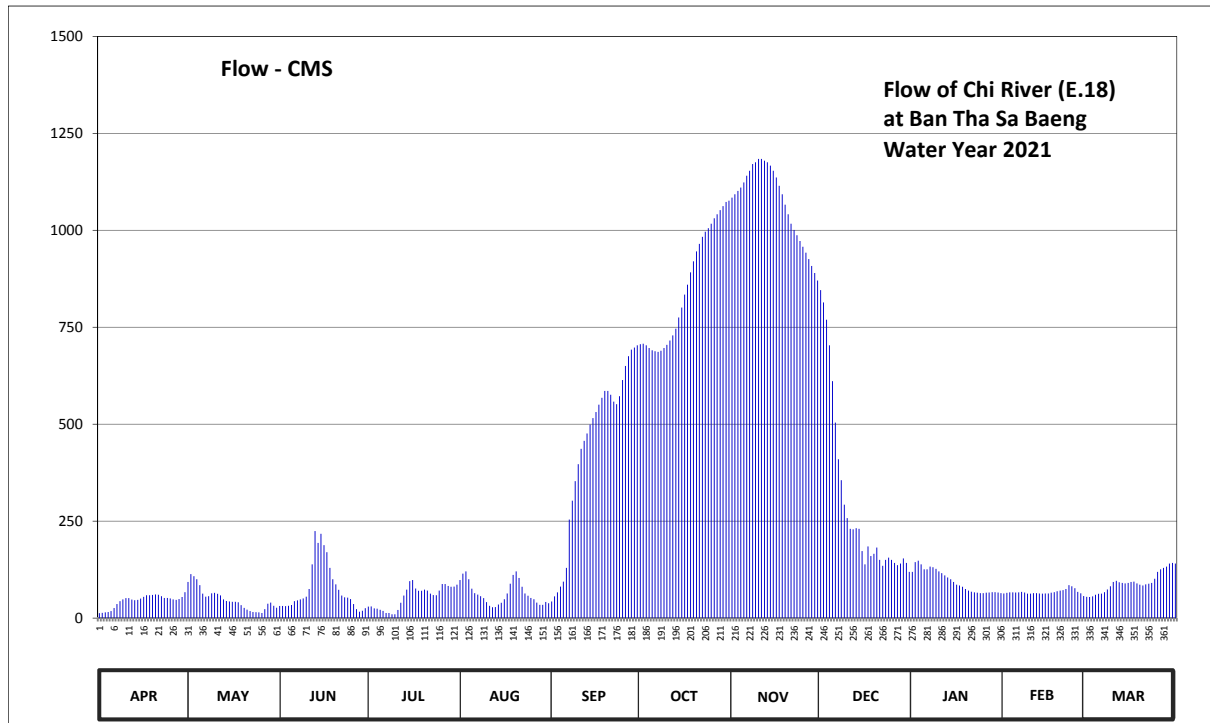
Lat 16 - 02 - 03 N Long 103 - 54 - 25 E

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 +132.330 m.(MSL.) record are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 45 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	123.34	125.47	124.04	123.99	125.52	124.39	129.93	132.21	130.90	125.71	125.01	124.75	
2	123.37	125.66	124.04	124.00	125.67	124.79	129.94	132.23	130.68	125.87	125.04	124.74	
3	123.41	125.61	124.03	123.82	125.72	125.07	129.91	132.25	130.37	125.89	125.07	124.79	
4	123.45	125.54	124.05	123.78	125.54	125.32	129.86	132.27	129.91	125.84	125.07	124.91	
5	123.54	125.37	124.11	123.67	125.23	125.48	129.82	132.30	129.25	125.76	125.06	124.99	
6	123.84	125.00	124.42	123.56	125.03	125.79	129.80	132.34	128.44	125.76	125.07	125.00	
7	124.19	124.76	124.48	123.36	124.93	126.39	129.79	132.37	127.70	125.81	125.09	125.08	
8	124.42	124.80	124.55	123.36	124.80	126.83	129.81	132.41	127.27	125.80	125.06	125.20	
9	124.55	125.02	124.63	123.23	124.65	127.25	129.86	132.42	126.74	125.77	125.00	125.33	
10	124.65	125.04	124.76	123.23	124.34	127.60	129.92	132.44	126.43	125.72	125.00	125.47	
11	124.65	124.99	125.22	123.66	124.05	127.91	130.00	132.44	126.15	125.68	125.03	125.50	
12	124.54	124.87	125.84	124.29	123.92	128.07	130.09	132.43	126.14	125.63	125.03	125.46	
13	124.49	124.55	126.17	124.85	123.94	128.22	130.21	132.42	126.17	125.58	125.01	125.44	
14	124.52	124.43	126.08	125.19	124.15	128.40	130.41	132.40	126.15	125.54	125.00	125.43	
15	124.61	124.39	126.15	125.49	124.29	128.53	130.59	132.37	126.01	125.47	125.01	125.44	
16	124.75	124.37	126.06	125.52	124.56	128.65	130.82	132.33	125.84	125.39	125.01	125.47	
17	124.88	124.37	126.00	125.24	125.01	128.80	131.00	132.28	126.05	125.36	125.05	125.48	
18	124.88	124.33	125.79	125.14	125.42	128.94	131.21	132.23	125.95	125.31	125.08	125.43	
19	124.90	124.10	125.54	125.14	125.64	129.07	131.40	132.16	125.98	125.22	125.12	125.39	
20	124.94	123.86	125.40	125.19	125.72	129.07	131.57	132.09	126.04	125.15	125.15	125.36	
21	124.91	123.69	125.18	125.15	125.57	129.00	131.70	132.02	125.90	125.10	125.17	125.40	
22	124.80	123.54	124.85	125.00	125.31	128.86	131.82	131.94	125.82	125.07	125.22	125.42	
23	124.67	123.45	124.71	124.89	125.01	128.81	131.91	131.85	125.90	125.05	125.37	125.44	
24	124.66	123.43	124.69	124.88	124.84	128.97	131.97	131.75	125.93	125.03	125.33	125.55	
25	124.63	123.42	124.58	125.15	124.67	129.27	132.02	131.65	125.90	125.03	125.25	125.71	
26	124.55	123.35	124.19	125.41	124.56	129.53	132.06	131.55	125.86	125.05	125.09	125.76	
27	124.52	123.73	123.74	125.41	124.30	129.71	132.09	131.44	125.83	125.06	125.02	125.79	
28	124.58	124.21	123.48	125.34	124.13	129.83	132.12	131.32	125.85	125.08	124.82	125.81	
29	124.74	124.30	123.57	125.31	124.13	129.87	132.15	131.20	125.92	125.08		125.85	
30	125.08	124.05	123.83	125.32	124.35	129.91	132.18	131.07	125.86	125.06		125.86	
31		123.87		125.39	124.25		132.19		125.71	125.03		125.85	
Mean	124.44	124.44	124.81	124.61	124.81	127.94	130.91	132.07	126.86	125.42	125.08	125.39	
Max	125.08	125.66	126.17	125.52	125.72	129.91	132.19	132.44	130.90	125.89	125.37	125.86	132.44
Min	123.34	123.35	123.48	123.23	123.92	124.39	129.79	131.07	125.71	125.03	124.82	124.74	123.23
Annual Max Momentary Gage Height	132.44		m. (MSL.) ,			at 10.00 Hours, on Nov 10, 2021							
Zero Gage at Bottom Elevation	122.20		m. (MSL.) ,			River Bed	121.90	m. (MSL.)					
Left Bank Elevation		133.80		m. (MSL.) ,									
Right Bank Elevation		132.32		m. (MSL.) ,		Drainage Are	41,347	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	12.84	93.30	31.32	29.74	98.20	42.87	706.20	1084.34	845.60	119.30	63.50	54.75		
2	13.62	113.60	31.32	30.00	114.70	56.07	707.60	1093.00	813.92	144.30	65.00	54.42		
3	14.66	108.10	30.99	25.32	120.60	66.50	703.40	1101.67	769.28	148.10	66.50	56.07		
4	15.70	100.40	31.65	24.28	100.40	81.40	696.40	1110.33	703.40	138.60	66.50	60.03		
5	18.04	84.90	33.63	21.42	75.80	94.20	690.80	1123.33	611.00	125.80	66.00	62.67		
6	25.84	63.00	43.86	18.56	64.50	129.70	688.00	1140.67	504.32	125.80	66.50	63.00		
7	36.27	55.08	45.84	13.36	60.69	254.00	686.60	1153.67	409.60	132.90	67.50	67.00		
8	43.86	56.40	48.15	13.36	56.40	302.62	689.40	1171.00	355.48	131.00	66.00	74.00		
9	48.15	64.00	50.79	9.98	51.45	353.00	696.40	1175.33	292.36	127.10	63.00	82.10		
10	51.45	65.00	55.08	9.98	41.22	396.80	704.80	1184.00	258.00	120.60	63.00	93.30		
11	51.45	62.67	75.20	21.16	31.65	436.48	716.00	1184.00	230.00	115.80	64.50	96.00		
12	47.82	58.71	138.60	39.57	27.92	456.96	728.96	1179.67	229.00	110.30	64.50	92.40		
13	46.17	48.15	224.50	58.05	28.44	476.16	746.24	1175.33	232.00	104.80	63.50	90.60		
14	47.16	44.19	194.00	73.40	34.95	499.20	775.04	1166.67	230.00	100.40	63.00	89.70		
15	50.13	42.87	217.50	95.10	39.57	515.84	800.96	1153.67	173.00	93.30	63.50	90.60		
16	54.75	42.21	188.00	98.20	48.48	531.20	834.08	1136.33	138.60	86.30	63.50	93.30		
17	59.04	42.21	170.00	76.40	63.50	550.40	860.00	1114.67	185.00	84.20	65.50	94.20		
18	59.04	40.89	129.70	70.40	88.80	568.32	891.50	1093.00	160.00	80.70	67.00	89.70		
19	59.70	33.30	100.40	70.40	111.40	585.80	920.00	1066.00	166.00	75.20	69.20	86.30		
20	61.02	26.36	87.00	73.40	120.60	585.80	945.50	1041.50	182.00	71.00	71.00	84.20		
21	60.03	21.94	72.80	71.00	103.70	576.00	965.00	1017.00	150.00	68.00	72.20	87.00		
22	56.40	18.04	58.05	63.00	80.70	558.08	983.00	1001.00	134.80	66.50	75.20	88.80		
23	52.11	15.70	53.43	59.37	63.50	551.68	996.50	987.50	150.00	65.50	84.90	90.60		
24	51.78	15.18	52.77	59.04	57.72	572.16	1005.50	972.50	156.00	64.50	82.10	101.50		
25	50.79	14.92	49.14	71.00	52.11	613.80	1017.00	957.50	150.00	64.50	77.00	119.30		
26	48.15	13.10	36.27	87.90	48.48	650.20	1031.00	942.50	142.40	65.50	67.50	125.80		
27	47.16	22.98	23.24	87.90	39.90	675.40	1041.50	926.00	136.70	66.00	64.00	129.70		
28	49.14	36.93	16.48	82.80	34.29	692.20	1052.00	908.00	140.50	67.00	57.06	132.90		
29	54.42	39.90	18.82	80.70	34.29	697.80	1062.50	890.00	154.00	67.00		140.50		
30	67.00	31.65	25.58	81.40	41.55	703.40	1073.00	870.50	142.40	66.00		142.40		
31		26.62		86.30	38.25		1076.50		119.30	64.50		140.50		
Total	1353.69	1502.30	2334.11	1702.49	1973.76	13274.04	26491.38	32120.68	9064.66	2960.50	1888.66	2873.34	97539.61	CMSDAY
Mean	45.12	48.46	77.80	54.92	63.67	442.47	854.56	1070.69	292.41	95.50	67.45	92.69	267.23	CMS
Max	67.00	113.60	224.50	98.20	120.60	703.40	1076.50	1184.00	845.60	148.10	84.90	142.40	1184.00	CMS
Min	12.84	13.10	16.48	9.98	27.92	42.87	686.60	870.50	119.30	64.50	57.06	54.42	9.98	CMS
Runoff	116.96	129.80	201.67	147.10	170.53	1146.88	2288.86	2775.23	783.19	255.79	163.18	248.26	8427.42	MCM
Momentary Peak	1184.00 CMS, at 132.44 m. (MSL.), at 10.00 Hours, on Nov 10, 2021													
Runoff Yield	6.46	Liters/Second/Square KM.			Momentary Peak Yield			28.64	Liters/Second/Square KM.					

WATER YEAR : 2021

CHI RIVER BASIN

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

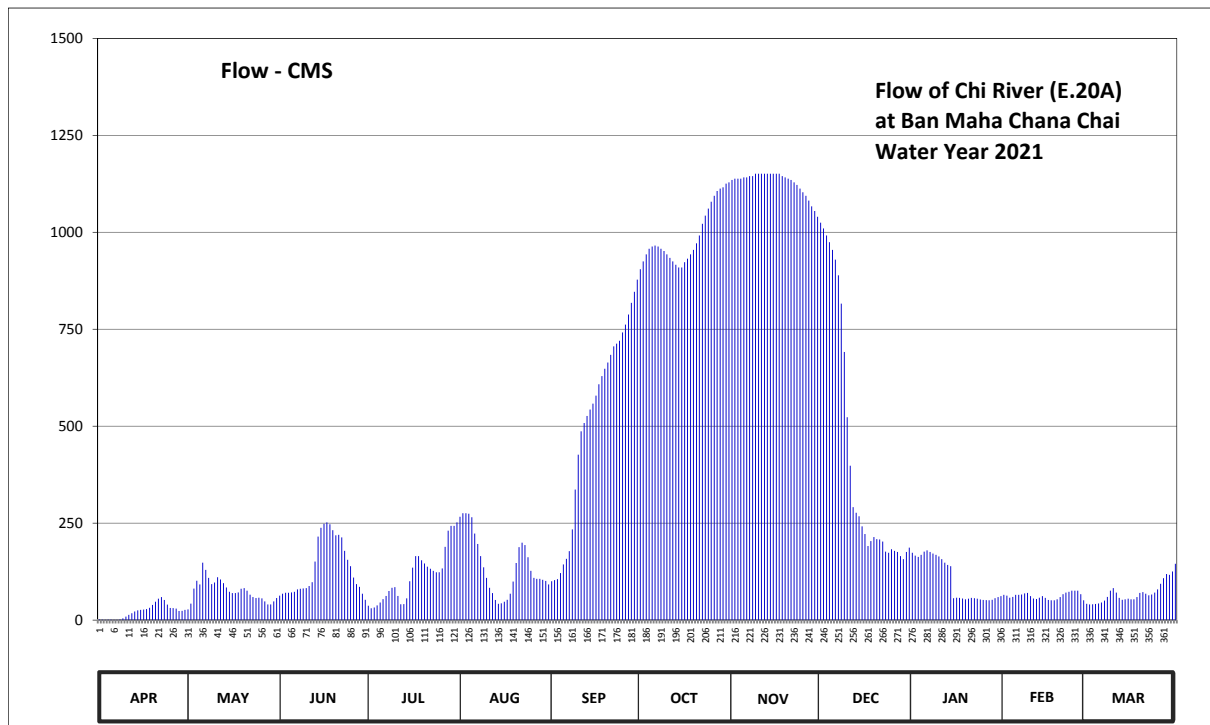
Lat 15 - 31 - 29 N Long 104 - 14 - 59 E

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	+127.219 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 +119.370 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 41 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	114.45	115.59	115.39	115.02	117.45	115.84	121.29	122.11	121.75	116.63	116.35	115.98	
2	114.41	115.99	115.45	114.91	117.52	115.87	121.38	122.12	121.70	116.56	116.33	115.93	
3	114.39	116.51	115.48	114.94	117.52	115.90	121.46	122.12	121.64	116.53	116.27	115.95	
4	114.42	116.66	115.48	115.03	117.51	116.08	121.52	122.12	121.58	116.58	116.30	115.97	
5	114.41	116.60	115.49	115.15	117.44	116.32	121.54	122.13	121.51	116.66	116.35	116.00	
6	114.40	116.37	115.51	115.27	117.10	116.48	121.55	122.13	121.40	116.69	116.35	116.05	
7	114.39	116.17	115.59	115.38	116.85	116.67	121.54	122.14	121.22	116.65	116.36	116.15	
8	114.45	115.94	115.61	115.54	116.55	117.20	121.52	122.14	120.88	116.61	116.39	116.30	
9	114.62	115.75	115.62	115.64	116.24	117.99	121.50	122.16	120.23	116.58	116.40	116.46	
10	114.85	115.80	115.63	115.66	115.94	118.63	121.46	122.16	119.26	116.54	116.32	116.52	
11	115.07	115.96	115.69	115.38	115.64	119.04	121.42	122.16	118.43	116.47	116.24	116.41	
12	115.26	115.89	115.81	115.08	115.47	119.17	121.38	122.16	117.64	116.37	116.22	116.26	
13	115.41	115.78	116.40	115.09	115.24	119.28	121.34	122.16	117.53	116.31	116.27	116.19	
14	115.50	115.65	117.03	115.30	115.10	119.38	121.31	122.16	117.46	116.27	116.32	116.21	
15	115.54	115.51	117.23	115.84	115.12	119.47	121.31	122.16	117.26	116.25	116.26	116.23	
16	115.57	115.47	117.31	116.23	115.18	119.59	121.37	122.16	117.09	116.27	116.18	116.21	
17	115.62	115.47	117.34	116.55	115.25	119.76	121.41	122.16	116.80	116.26	116.16	116.21	
18	115.72	115.49	117.30	116.55	115.45	119.88	121.46	122.14	116.92	116.24	116.16	116.29	
19	115.90	115.61	117.18	116.44	115.83	119.99	121.51	122.13	117.02	116.21	116.21	116.40	
20	116.09	115.63	117.06	116.35	116.36	120.08	121.57	122.12	116.97	116.23	116.29	116.42	
21	116.23	115.55	117.07	116.26	116.77	120.19	121.64	122.11	116.96	116.26	116.37	116.38	
22	116.29	115.42	117.01	116.20	116.88	120.31	121.74	122.09	116.91	116.25	116.41	116.34	
23	116.18	115.34	116.68	116.14	116.82	120.35	121.81	122.07	116.66	116.23	116.43	116.36	
24	115.92	115.31	116.45	116.10	116.52	120.39	121.87	122.04	116.63	116.20	116.46	116.41	
25	115.71	115.32	116.27	116.10	116.14	120.51	121.93	122.01	116.72	116.18	116.46	116.49	
26	115.70	115.30	115.95	116.21	115.94	120.61	121.98	121.98	116.68	116.17	116.46	116.61	
27	115.66	115.19	115.75	116.78	115.91	120.74	122.02	121.94	116.65	116.16	116.37	116.70	
28	115.45	115.07	115.67	117.17	115.91	120.89	122.04	121.89	116.55	116.19	116.16	116.75	
29	115.47	115.07	115.45	117.27	115.88	121.03	122.05	121.85	116.47	116.25		116.74	
30	115.55	115.19	115.25	117.27	115.85	121.17	122.08	121.80	116.65	116.29		116.78	
31		115.31		117.34	115.74		122.09		116.76	116.32		116.85	
Mean	115.29	115.67	116.17	115.94	116.23	118.96	121.62	122.09	118.32	116.37	116.32	116.34	
Max	116.29	116.66	117.34	117.34	117.52	121.17	122.09	122.16	121.75	116.69	116.46	116.85	122.16
Min	114.39	115.07	115.25	114.91	115.10	115.84	121.29	121.80	116.47	116.16	116.16	115.93	114.39
Annual Max Momentary Gage Height	122.16		m. (MSL.) ,		at 10.00 Hours, on Nov 9, 2021								
Zero Gage at Bottom Elevation	112.00		m. (MSL.) ,		River Bed		109.85	m. (MSL.)					
Left Bank Elevation	119.36		m. (MSL.) ,										
Right Bank Elevation	120.37		m. (MSL.) ,		Drainage Are		47,923	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.50	27.70	63.20	37.20	266.50	100.40	904.96	1135.20	1025.00	173.52	65.00	42.20		
2	1.10	42.60	68.00	30.60	275.60	102.95	925.12	1138.40	1010.00	166.24	63.00	40.20		
3	0.90	81.20	70.40	32.40	275.60	105.50	943.04	1138.40	992.00	163.12	57.90	41.00		
4	1.20	101.60	70.40	37.80	274.30	121.36	957.60	1138.40	974.40	168.32	60.00	41.80		
5	1.10	92.00	71.20	45.50	265.20	143.44	963.20	1141.60	954.80	176.64	65.00	43.00		
6	1.00	148.04	72.80	53.90	223.00	158.16	966.00	1141.60	929.60	179.76	65.00	45.50		
7	0.90	129.64	79.20	62.40	196.40	177.68	963.20	1144.80	889.28	175.60	66.00	50.50		
8	1.50	108.90	80.85	75.20	165.20	234.00	957.60	1144.80	816.00	171.44	69.00	60.00		
9	4.40	92.75	81.70	83.40	136.08	336.70	952.00	1151.20	691.40	168.32	70.00	76.00		
10	9.00	97.00	82.55	85.10	108.90	426.72	943.04	1151.20	523.16	164.16	62.00	82.40		
11	13.40	110.60	87.65	62.40	83.40	486.64	934.08	1151.20	398.20	157.24	55.80	71.00		
12	17.80	104.65	97.85	40.80	69.60	508.22	925.12	1151.20	291.20	148.04	54.40	57.20		
13	22.30	95.30	150.80	41.40	51.80	526.48	916.16	1151.20	276.90	142.52	57.90	52.50		
14	25.00	84.25	215.30	56.00	42.00	543.08	909.44	1151.20	267.80	138.84	62.00	53.70		
15	26.20	72.80	237.90	100.40	43.40	558.02	909.44	1151.20	241.80	56.50	57.20	55.10		
16	27.10	69.60	248.30	135.16	47.60	578.66	922.88	1151.20	221.90	57.90	52.00	53.70		
17	28.60	69.60	252.20	165.20	52.50	608.24	931.84	1151.20	191.20	57.20	51.00	53.70		
18	31.80	71.20	247.00	165.20	68.00	629.12	943.04	1144.80	203.68	55.80	51.00	59.30		
19	39.00	80.85	231.80	154.48	99.55	648.26	954.80	1141.60	214.20	53.70	53.70	70.00		
20	47.50	82.55	218.60	146.20	147.12	664.40	971.60	1138.40	208.88	55.10	59.30	72.00		
21	55.10	76.00	219.70	137.92	188.08	684.20	992.00	1135.20	207.84	57.20	67.00	68.00		
22	59.30	65.60	213.10	132.40	199.52	705.80	1022.00	1128.80	202.64	56.50	71.00	64.00		
23	52.00	59.20	178.72	126.88	193.28	713.00	1043.00	1122.40	176.64	55.10	73.00	66.00		
24	39.80	56.80	155.40	123.20	162.08	720.20	1061.00	1112.80	173.52	53.00	76.00	71.00		
25	31.40	57.60	138.84	123.20	126.88	742.00	1079.00	1103.20	182.88	52.00	76.00	79.00		
26	31.00	56.00	109.75	133.32	108.90	762.00	1094.00	1094.00	178.72	51.50	76.00	93.60		
27	29.80	48.30	92.75	189.12	106.35	788.00	1106.40	1082.00	175.60	51.00	67.00	108.00		
28	23.50	40.20	85.95	230.70	106.35	818.00	1112.80	1067.00	165.20	52.50	51.00	119.00		
29	24.10	40.20	68.00	243.10	103.80	846.72	1116.00	1055.00	157.24	56.50		116.80		
30	26.50	48.30	52.50	243.10	101.25	878.08	1125.60	1040.00	175.60	59.30		125.60		
31		56.80		252.20	91.90		1128.80		187.04	62.00		145.00		
Total	673.80	2367.83	4042.41	3545.88	4380.14	15316.03	30674.76	33849.20	13304.32	3236.56	1754.20	2176.80	115321.93	CMSDAY
Mean	22.46	76.38	134.75	114.38	141.29	510.53	989.51	1128.31	429.17	104.41	62.65	70.22	315.95	CMS
Max	59.30	148.04	252.20	252.20	275.60	878.08	1128.80	1151.20	1025.00	179.76	76.00	145.00	1151.20	CMS
Min	0.90	27.70	52.50	30.60	42.00	100.40	904.96	1040.00	157.24	51.00	51.00	40.20	0.90	CMS
Runoff	58.22	204.58	349.26	306.36	378.44	1323.30	2650.30	2924.57	1149.49	279.64	151.56	188.08	9963.81	MCM
Momentary Peak	CMS, at 122.16 m. (MSL.), at 10.00 Hours, on Nov 9, 2021													
Runoff Yield	6.59	Liters/Second/Square KM.				Momentary Peak Yield				24.02	Liters/Second/Square KM.			

WATER YEAR : 2021**CHI RIVER BASIN****Chi River at Ban Kaeng Ko , Chaiyaphum (E.21)**

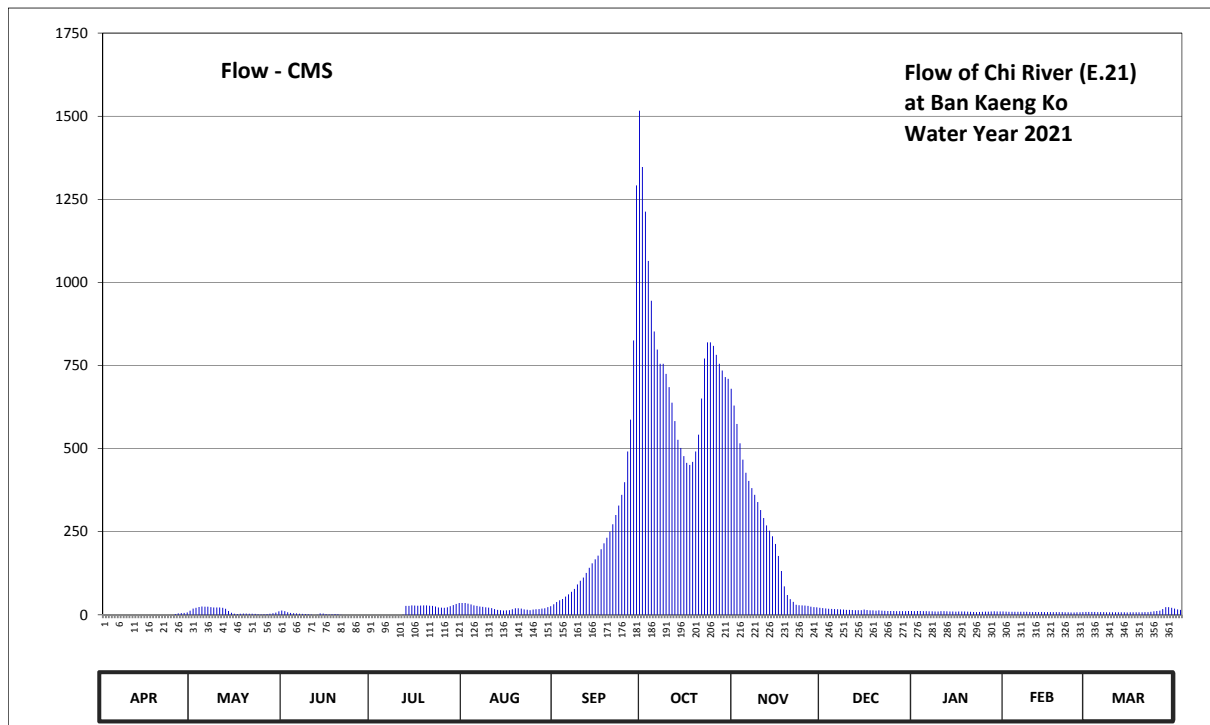
Lat 15 - 45 - 11 N Long 102 - 15 - 11 E

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

	Ban Kaeng Ko	Amphoe Mueang	Changwat Chaiyaphum
Drainage Area	8,844 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+163.000 m. (MSL.)		
Bench Mark	B.M.- H.D.		
Location BM	In front of the automatic gage buiding.	Elevation	+165.411 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1955 - 1957 , 1967 to date		
Rating Operation			
Period of Rating	1968 - 1971 , 1973 - 1974 , 1982 to date		
Rated by Float	-		
Rated by Current Meter	1968 - 1971 , 1973 - 1974 , 1982 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	Overbank flow starts at elevation +175.330 m.(MSL.) record are channel flow only.		
General Description	Records fair. The rubber weir situated about 2 kilometers downstream from the gage site. Stage-discharge relation defined by 41 discharge measurements made in 2021.		

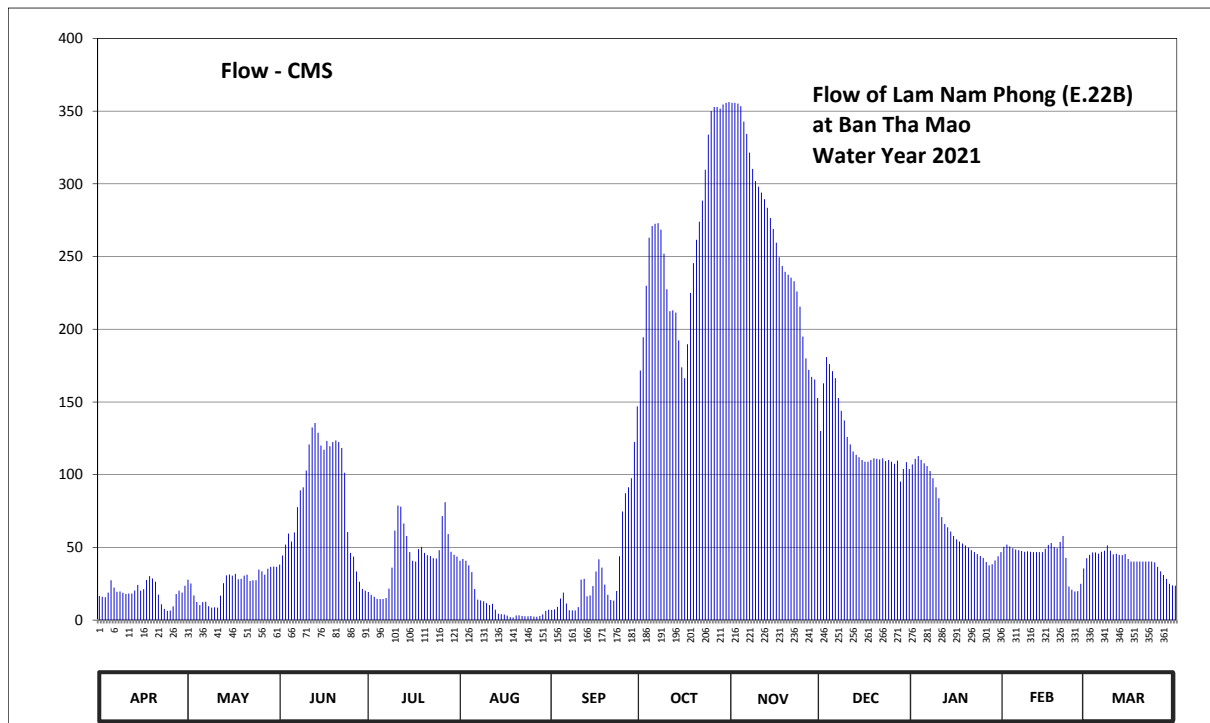
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	166.00	168.02	167.65	166.03	168.87	169.03	175.24	174.21	168.05	167.66	167.56	167.52	
2	166.06	168.15	167.48	165.93	168.78	169.28	175.07	174.06	168.01	167.66	167.55	167.52	
3	166.07	168.28	167.34	165.84	168.65	169.48	174.92	173.92	167.99	167.64	167.54	167.51	
4	166.05	168.35	167.29	165.74	168.52	169.78	174.78	173.79	167.97	167.64	167.56	167.50	
5	166.06	168.33	167.20	165.67	168.45	170.04	174.68	173.69	167.94	167.62	167.56	167.50	
6	166.06	168.31	167.13	165.61	168.34	170.23	174.60	173.58	167.91	167.62	167.56	167.49	
7	166.07	168.25	167.07	165.52	168.30	170.44	174.60	173.48	167.89	167.60	167.55	167.49	
8	166.07	168.20	167.03	165.39	168.22	170.69	174.54	173.36	167.83	167.60	167.53	167.48	
9	166.07	168.20	166.98	165.29	168.18	170.87	174.46	173.20	167.84	167.65	167.51	167.48	
10	166.07	168.19	166.90	165.21	168.10	171.03	174.36	173.04	167.81	167.64	167.52	167.48	
11	166.08	168.15	166.75	166.88	167.97	171.23	174.23	172.87	167.78	167.63	167.51	167.47	
12	166.08	168.01	166.82	168.44	167.83	171.45	174.09	172.73	167.78	167.61	167.52	167.47	
13	166.09	167.67	167.20	168.43	167.78	171.64	174.02	172.56	167.79	167.60	167.51	167.46	
14	166.09	167.40	167.15	168.52	167.75	171.81	173.95	172.33	167.88	167.58	167.51	167.47	
15	166.08	167.11	167.05	168.50	167.76	171.97	173.89	171.96	167.81	167.59	167.50	167.48	
16	166.07	167.02	166.95	168.47	167.79	172.17	173.87	171.31	167.77	167.59	167.51	167.48	
17	166.05	167.11	166.99	168.48	167.94	172.35	173.90	170.59	167.76	167.60	167.50	167.49	
18	166.02	167.19	167.04	168.51	168.09	172.52	173.99	169.98	167.71	167.58	167.51	167.49	
19	166.00	167.18	167.00	168.51	168.08	172.70	174.13	169.46	167.76	167.56	167.50	167.50	
20	166.04	167.14	166.81	168.46	168.02	172.90	174.39	169.04	167.72	167.52	167.48	167.51	
21	166.09	167.12	166.68	168.44	167.92	173.10	174.63	168.62	167.70	167.50	167.47	167.55	
22	166.16	167.07	166.57	168.34	167.86	173.29	174.72	168.54	167.68	167.52	167.46	167.63	
23	166.31	166.99	166.51	168.21	167.80	173.48	174.72	168.52	167.67	167.56	167.46	167.67	
24	166.56	166.94	166.51	168.17	167.88	173.67	174.70	168.49	167.66	167.58	167.47	167.73	
25	167.02	166.96	166.47	168.16	167.94	173.99	174.65	168.43	167.65	167.58	167.49	167.95	
26	167.24	167.05	166.39	168.23	167.95	174.24	174.60	168.33	167.65	167.60	167.51	168.24	
27	167.30	167.13	166.34	168.40	168.02	174.73	174.56	168.24	167.65	167.62	167.52	168.25	
28	167.34	167.26	166.27	168.56	168.09	175.32	174.52	168.23	167.65	167.61	167.53	168.15	
29	167.45	167.42	166.19	168.73	168.24	175.51	174.51	168.15	167.68	167.60		168.04	
30	167.73	167.63	166.10	168.88	168.40	175.37	174.45	168.10	167.66	167.59		167.92	
31		167.74		168.88	168.67		174.34		167.64	167.57		167.85	
Mean	166.35	167.60	166.86	167.50	168.14	172.14	174.46	171.09	167.78	167.60	167.51	167.64	
Max	167.73	168.35	167.65	168.88	168.87	175.51	175.24	174.21	168.05	167.66	167.56	168.25	175.51
Min	166.00	166.94	166.10	165.21	167.75	169.03	173.87	168.10	167.64	167.50	167.46	167.46	165.21
Annual Max Momentary Gage Height	175.57		m. (MSL.) ,			at 23.00 Hours, on Sep 28, 2021							
Zero Gage at Bottom Elevation	163.00		m. (MSL.) ,			River Bed	165.41	m. (MSL.)					
Left Bank Elevation	175.32		m. (MSL.) ,										
Right Bank Elevation	175.91		m. (MSL.) ,			Drainage Are	8,844	Square Kilometers					



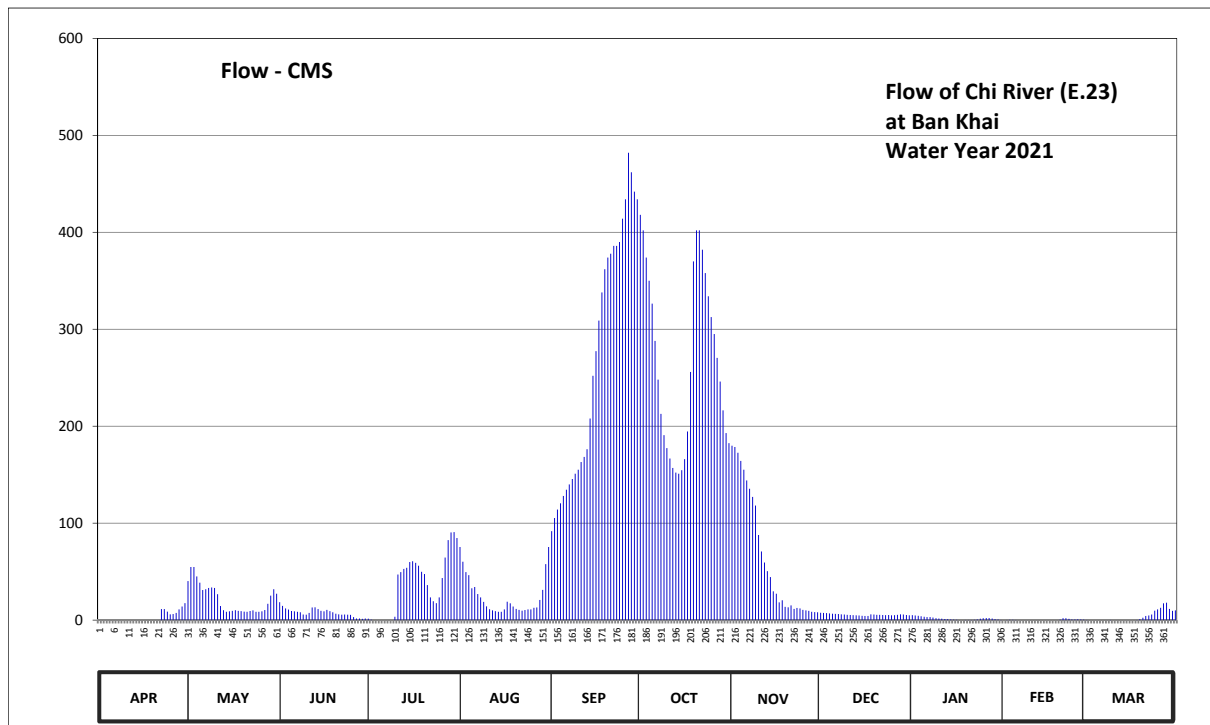
Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	18.40	11.00	0.00	35.40	38.60	1213.00	574.25	19.00	11.20	9.20	8.40		
2	0.00	21.00	7.60	0.00	33.60	43.60	1064.50	516.00	18.20	11.20	9.00	8.40		
3	0.00	23.60	5.40	0.00	31.00	47.60	945.00	467.00	17.80	10.80	8.80	8.20		
4	0.00	25.00	4.90	0.00	28.40	54.72	852.20	427.50	17.40	10.80	9.20	8.00		
5	0.00	24.60	4.00	0.00	27.00	61.60	798.20	403.00	16.80	10.40	9.20	8.00		
6	0.00	24.20	3.30	0.00	24.80	69.20	755.00	381.00	16.20	10.40	9.20	7.80		
7	0.00	23.00	2.70	0.00	24.00	77.60	755.00	361.00	15.80	10.00	9.00	7.80		
8	0.00	22.00	2.30	0.00	22.40	91.40	725.00	339.00	14.60	10.00	8.60	7.60		
9	0.00	22.00	1.80	0.00	21.60	102.20	685.00	315.00	14.80	11.00	8.20	7.60		
10	0.00	21.80	1.00	0.00	20.00	112.10	638.00	291.00	14.20	10.80	8.40	7.60		
11	0.00	21.00	0.00	0.80	17.40	126.10	582.75	268.75	13.60	10.60	8.20	7.40		
12	0.00	18.20	0.20	26.80	14.60	141.50	526.50	253.00	13.60	10.20	8.40	7.40		
13	0.00	11.40	4.00	26.60	13.60	154.80	502.00	236.00	13.80	10.00	8.20	7.20		
14	0.00	6.00	3.50	28.40	13.00	166.70	477.50	213.00	15.60	9.60	8.20	7.40		
15	0.00	3.10	2.50	28.00	13.20	177.90	457.00	177.20	14.20	9.80	8.00	7.60		
16	0.00	2.20	1.50	27.40	13.80	197.00	451.00	131.70	13.40	9.80	8.20	7.60		
17	0.00	3.10	1.90	27.60	16.80	215.00	460.00	85.40	13.20	10.00	8.00	7.80		
18	0.00	3.90	2.40	28.20	19.80	232.00	491.50	59.52	12.20	9.60	8.20	7.80		
19	0.00	3.80	2.00	28.20	19.60	250.00	542.00	47.20	13.20	9.20	8.00	8.00		
20	0.00	3.40	0.10	27.20	18.40	272.50	650.75	38.80	12.40	8.40	7.60	8.20		
21	0.00	3.20	0.00	26.80	16.40	300.00	771.20	30.40	12.00	8.00	7.40	9.00		
22	0.00	2.70	0.00	24.80	15.20	328.50	819.80	28.80	11.60	8.40	7.20	10.60		
23	0.00	1.90	0.00	22.20	14.00	361.00	819.80	28.40	11.40	9.20	7.20	11.40		
24	0.00	1.40	0.00	21.40	15.60	399.00	809.00	27.80	11.20	9.60	7.40	12.60		
25	2.20	1.60	0.00	21.20	16.80	491.50	782.00	26.60	11.00	9.60	7.80	17.00		
26	4.40	2.50	0.00	22.60	17.00	587.00	755.00	24.60	11.00	10.00	8.20	22.80		
27	5.00	3.30	0.00	26.00	18.40	825.20	735.00	22.80	11.00	10.40	8.40	23.00		
28	5.40	4.60	0.00	29.20	19.80	1292.00	715.00	22.60	11.00	10.20	8.60	21.00		
29	7.00	6.40	0.00	32.60	22.80	1516.70	710.00	21.00	11.60	10.00		18.80		
30	12.60	10.60	0.00	35.60	26.00	1347.00	680.00	20.00	11.20	9.80		16.40		
31		12.80		35.60	31.40		629.50		10.80	9.40		15.00		
Total	36.60	352.70	62.10	547.20	641.80	10080.02	21798.20	5838.32	423.80	308.40	232.00	333.40	40654.54	CMSDAY
Mean	1.22	11.38	2.07	17.65	20.70	336.00	703.17	194.61	13.67	9.95	8.29	10.75	111.38	CMS
Max	12.60	25.00	11.00	35.60	35.40	1516.70	1213.00	574.25	19.00	11.20	9.20	23.00	1516.70	CMS
Min	0.00	1.40	0.00	0.00	13.00	38.60	451.00	20.00	10.80	8.00	7.20	7.20	0.00	CMS
Runoff	3.16	30.47	5.37	47.28	55.45	870.91	1883.36	504.43	36.62	26.65	20.04	28.81	3512.55	MCM
Momentary Peak	1616.90 CMS, at 175.57 m. (MSL.), at 23.00 Hours, on Sep 28, 2021													
Runoff Yield	12.59	Liters/Second/Square KM.				Momentary Peak Yield			182.82	Liters/Second/Square KM.				



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	16.62	27.80	38.16	19.32	40.76	7.00	171.60	355.68	130.00	107.06	50.38	42.58		
2	16.08	25.20	44.40	17.34	42.06	7.32	194.48	355.68	162.80	110.86	51.94	44.92		
3	15.72	16.98	51.94	16.08	40.76	9.08	230.00	355.12	180.84	112.80	50.64	46.48		
4	18.96	12.44	59.48	14.68	37.64	14.84	263.00	353.44	176.00	110.10	49.34	46.48		
5	27.40	10.36	54.02	14.52	33.00	18.96	271.00	342.80	171.16	107.82	48.56	45.70		
6	22.38	12.44	60.32	14.52	21.30	11.48	272.50	334.40	166.32	105.92	48.04	47.00		
7	19.50	12.60	77.70	15.18	14.04	6.80	273.00	321.52	152.68	102.50	47.52	47.78		
8	19.68	9.56	89.26	21.66	13.56	6.70	268.50	310.32	143.88	97.56	47.00	51.42		
9	18.78	8.60	91.30	36.08	12.92	6.70	252.00	301.92	137.28	91.30	47.26	47.78		
10	18.06	8.76	102.88	61.60	11.64	8.92	227.50	298.00	126.00	83.82	47.00	45.18		
11	18.24	8.60	120.80	78.72	10.36	27.80	212.50	294.00	120.80	70.88	46.74	45.70		
12	18.24	16.80	132.44	78.04	11.16	28.40	213.00	289.50	116.00	66.08	46.74	44.92		
13	20.40	25.40	135.52	66.40	7.16	16.44	211.50	283.50	113.60	63.84	46.74	44.66		
14	24.20	30.80	128.80	57.92	4.40	16.98	192.28	276.50	112.00	60.96	46.74	45.44		
15	20.22	31.40	120.00	46.74	4.10	23.46	173.80	269.00	110.10	57.92	49.08	42.06		
16	21.30	30.60	117.20	40.76	3.80	33.40	166.32	259.50	108.96	55.58	51.68	40.24		
17	27.60	31.80	123.20	40.24	3.10	41.80	189.64	249.50	108.96	54.02	52.98	40.24		
18	30.20	28.00	119.60	48.82	2.10	36.08	225.00	243.50	110.10	52.72	50.12	40.24		
19	28.60	28.40	122.40	50.38	1.90	24.40	245.50	239.50	111.24	51.42	49.34	40.24		
20	26.40	30.60	123.60	46.22	3.20	17.34	261.50	237.50	110.86	49.86	53.76	40.24		
21	17.52	31.20	122.40	44.66	3.30	13.88	274.00	235.50	110.48	48.04	57.92	40.24		
22	10.84	27.00	118.40	44.14	2.90	13.40	288.50	233.00	111.24	46.74	42.84	40.24		
23	7.64	27.40	101.36	42.58	2.60	20.04	309.76	226.00	109.34	45.44	23.10	40.24		
24	6.40	27.40	60.64	42.32	2.60	43.88	333.84	215.50	110.10	44.14	20.94	39.72		
25	6.60	34.78	46.22	48.04	2.80	74.72	350.08	194.92	108.96	42.84	19.68	36.60		
26	9.40	33.60	43.62	71.52	2.40	87.22	352.88	179.96	107.44	39.98	19.86	33.60		
27	17.88	31.20	33.40	81.10	2.30	91.30	352.88	172.04	109.72	37.64	25.00	31.00		
28	20.22	35.30	26.40	59.22	2.90	97.56	351.76	167.20	95.28	38.42	35.56	28.40		
29	18.96	36.60	21.48	47.00	3.90	122.40	354.56	165.44	104.02	41.02		25.00		
30	23.64	36.86	20.22	44.92	6.40	146.96	355.68	152.68	108.58	43.88		23.82		
31		36.60		43.62	7.16		356.24		104.02	46.74		23.64		
Total	567.68	765.08	2507.16	1354.34	358.22	1075.26	8194.80	7913.12	3848.76	2087.90	1226.50	1251.80	31150.62	CMSDAY
Mean	18.92	24.68	83.57	43.69	11.56	35.84	264.35	263.77	124.15	67.35	43.80	40.38	85.34	CMS
Max	30.20	36.86	135.52	81.10	42.06	146.96	356.24	355.68	180.84	112.80	57.92	51.42	356.24	CMS
Min	6.40	8.60	20.22	14.52	1.90	6.70	166.32	152.68	95.28	37.64	19.68	23.64	1.90	CMS
Runoff	49.05	66.10	216.62	117.01	30.95	92.90	708.03	683.69	332.53	180.39	105.97	108.16	2691.41	MCM
Momentary Peak	356.24 CMS, at 160.54 m. (MSL.), at 08.00 Hours, on Oct 31, 2021													
Runoff Yield	6.27	Liters/Second/Square KM.				Momentary Peak Yield				26.16	Liters/Second/Square KM.			



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	40.24	18.50	1.50	75.44	91.72	418.00	179.80	7.60	5.10	0.00	0.20		
2	0.00	54.84	14.75	0.50	60.30	105.28	402.00	178.60	7.40	4.80	0.15	0.00		
3	0.00	54.84	12.00	0.00	49.52	114.02	374.00	172.60	7.20	4.40	0.30	0.00		
4	0.00	45.04	10.80	0.00	46.32	120.50	350.00	164.20	7.00	4.00	0.25	0.00		
5	0.00	38.64	9.40	0.00	32.87	128.00	326.50	155.20	6.60	3.40	0.10	0.00		
6	0.00	30.98	9.00	0.00	34.22	134.50	288.00	144.00	6.40	3.10	0.00	0.00		
7	0.00	31.79	8.60	0.00	26.93	140.00	248.00	135.50	6.20	3.20	0.00	0.00		
8	0.00	33.14	8.00	0.00	23.50	145.60	212.80	127.00	5.90	2.60	0.00	0.00		
9	0.00	33.68	5.70	0.00	18.75	151.00	190.75	118.16	5.70	1.90	0.00	0.15		
10	0.00	33.14	5.60	3.50	14.25	155.20	177.40	87.76	5.50	1.60	0.00	0.00		
11	0.00	26.66	7.40	46.96	11.20	163.00	166.60	70.80	5.30	1.40	0.00	0.00		
12	0.00	14.50	13.00	49.52	10.00	168.40	157.00	59.46	5.10	1.10	0.00	0.00		
13	0.00	10.20	13.25	52.72	9.20	176.20	152.20	50.48	5.00	0.90	0.00	0.00		
14	0.00	8.60	11.40	54.00	8.60	208.00	151.00	44.40	4.80	0.70	0.00	0.00		
15	0.00	9.00	9.60	59.88	8.60	252.00	154.60	29.63	4.50	0.50	0.00	0.00		
16	0.00	9.60	9.00	60.72	11.00	277.50	166.00	27.20	4.20	0.25	0.00	0.00		
17	0.00	10.20	10.60	59.04	19.00	309.00	194.50	18.25	4.20	0.00	0.00	0.00		
18	0.00	9.60	9.20	56.10	17.25	338.00	256.00	20.50	6.00	0.00	0.00	0.10		
19	0.00	9.20	8.00	49.84	14.00	362.00	370.00	13.75	5.80	0.10	0.00	0.90		
20	0.00	8.80	6.60	47.60	11.60	374.00	402.00	13.25	5.50	0.15	0.50	2.40		
21	0.00	8.60	6.00	36.11	10.60	378.00	402.00	15.25	5.40	0.10	2.00	4.30		
22	11.40	9.40	5.60	23.50	9.80	386.00	382.00	11.60	5.30	0.35	1.90	4.80		
23	11.40	10.00	5.70	19.50	10.40	386.00	358.00	12.50	5.10	0.70	1.30	5.70		
24	8.80	8.60	5.60	17.50	11.00	390.00	334.00	12.00	5.20	1.50	0.70	9.80		
25	5.90	8.60	5.50	23.50	11.00	414.00	312.50	10.60	5.00	2.00	0.65	11.00		
26	6.20	9.00	3.20	43.44	12.75	434.00	295.00	10.00	5.10	2.10	0.80	12.75		
27	7.40	10.40	1.70	64.50	13.00	482.00	270.50	9.60	5.40	2.10	0.70	17.25		
28	11.00	16.75	1.70	82.48	20.75	462.00	246.00	8.60	5.90	1.60	0.50	18.00		
29	14.00	25.31	1.30	90.40	31.25	442.00	216.40	8.20	5.70	1.00		11.60		
30	17.50	31.79	1.60	90.84	57.78	434.00	193.00	8.00	5.30	0.60		9.60		
31		27.20		84.68	75.44		182.50		5.00	0.20		10.00		
Total	93.60	678.34	238.30	1118.33	766.32	8121.92	8349.25	1916.89	174.30	51.45	9.85	118.55	21637.10	CMSDAY
Mean	3.12	21.88	7.94	36.08	24.72	270.73	269.33	63.90	5.62	1.66	0.35	3.82	59.28	CMS
Max	17.50	54.84	18.50	90.84	75.44	482.00	418.00	179.80	7.60	5.10	2.00	18.00	482.00	CMS
Min	0.00	8.60	1.30	0.00	8.60	91.72	151.00	8.00	4.20	0.00	0.00	0.00	0.00	CMS
Runoff	8.09	58.61	20.59	96.62	66.21	701.73	721.38	165.62	15.06	4.45	0.85	10.24	1869.45	MCM
Momentary Peak	490.00	CMS, at 185.80 m. (MSL.), at 15.00 Hours, on Sep 27, 2021												
Runoff Yield	9.41	Liters/Second/Square KM.		Momentary Peak Yield		77.81	Liters/Second/Square KM.							

WATER YEAR : 2021**CHI RIVER BASIN****Lam Nam Phong at Ban Pha Nok Khao , Loei (E.29A)**

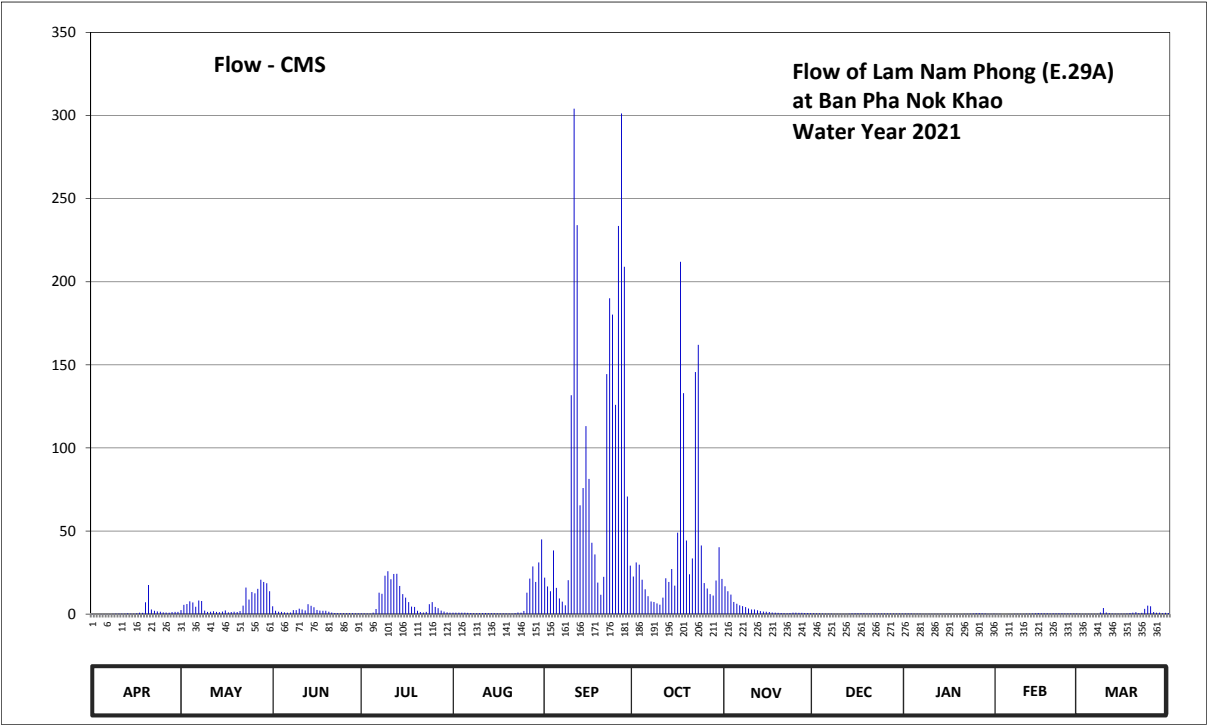
Lat 16 - 50 - 49 N Long 101 - 56 - 14 E

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 +238.120 m.(MSL.) record are channel flow only.					
General Description	Records fair. Flow effected by Ubonrat Dam.					
	Stage-discharge relation defined by 70 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	227.95	228.90	229.44	228.24	228.44	231.79	231.86	231.22	228.28	228.17	228.10	228.15	
2	227.94	229.62	228.81	228.23	228.42	231.21	232.54	230.85	228.25	228.17	228.08	228.08	
3	227.94	229.71	228.64	228.21	228.43	230.84	232.44	230.59	228.22	228.17	227.82	228.04	
4	227.97	230.03	228.60	228.21	228.45	233.02	231.67	229.97	228.19	228.15	227.82	228.07	
5	227.98	229.91	228.51	228.45	228.41	231.10	230.99	229.75	228.15	228.15	228.00	228.09	
6	228.02	229.38	228.45	229.06	228.40	230.28	230.47	229.56	228.14	228.14	228.02	228.05	
7	228.03	230.10	228.49	230.74	228.34	230.00	230.02	229.47	228.12	228.10	228.08	228.10	
8	228.05	230.05	228.90	230.65	228.30	229.56	229.97	229.35	228.10	228.10	228.10	228.49	
9	228.12	228.83	228.90	231.91	228.30	231.64	229.79	229.15	228.08	228.08	228.10	229.22	
10	228.12	228.61	229.11	232.14	228.28	236.20	229.63	229.00	228.08	228.08	228.10	228.49	
11	228.12	228.64	228.99	231.70	228.31	239.64	230.34	228.99	228.08	228.08	228.12	228.30	
12	228.13	228.72	228.86	232.01	228.31	238.39	231.76	228.87	228.07	228.08	228.16	228.20	
13	228.23	228.62	229.70	232.02	228.30	234.26	231.53	228.76	228.13	228.10	228.20	228.16	
14	228.15	228.56	229.50	231.24	228.28	234.63	232.24	228.69	228.25	228.10	228.24	228.14	
15	228.13	228.68	229.33	230.63	228.27	235.74	231.27	228.64	228.25	228.10	228.31	228.14	
16	228.26	228.85	228.92	230.35	228.26	234.81	233.60	228.58	228.23	228.07	228.25	228.13	
17	228.45	228.52	228.83	229.95	228.26	233.33	237.98	228.48	228.23	228.03	228.22	228.18	
18	228.39	228.57	228.80	229.40	228.24	232.86	236.23	228.41	228.22	228.03	228.22	228.33	
19	229.93	228.66	228.80	229.37	228.22	231.50	233.41	228.37	228.21	228.02	228.20	228.43	
20	231.32	228.57	228.66	228.81	228.21	230.58	232.00	228.31	228.20	228.02	228.22	228.55	
21	228.99	228.76	228.48	228.58	228.20	231.84	232.70	228.27	228.20	228.08	228.26	228.27	
22	228.80	229.51	228.33	228.50	228.27	236.51	236.54	228.25	228.20	228.08	228.24	228.38	
23	228.71	231.12	228.29	228.61	228.48	237.54	236.93	228.31	228.20	228.13	228.23	229.09	
24	228.66	230.18	228.28	229.70	228.43	237.33	233.22	228.44	228.20	228.21	228.21	229.52	
25	228.53	230.79	228.28	229.95	228.78	236.06	231.46	228.42	228.19	228.29	228.20	229.45	
26	228.50	230.69	228.29	229.37	230.74	238.38	231.05	228.39	228.19	228.27	228.20	228.57	
27	228.45	231.03	228.30	229.18	231.74	239.59	230.63	228.37	228.18	228.24	228.19	228.44	
28	228.59	231.67	228.27	228.83	232.36	237.92	230.52	228.34	228.18	228.19	228.20	228.42	
29	228.60	231.53	228.26	228.69	231.53	234.46	231.62	228.32	228.17	228.10		228.30	
30	228.60	231.45	228.26	228.52	232.54	232.40	233.15	228.29	228.17	228.11		228.37	
31		230.84		228.44	233.44		231.72		228.17	228.14		228.34	
Mean	228.46	229.65	228.71	229.67	229.06	234.11	232.23	228.95	228.18	228.12	228.15	228.40	
Max	231.32	231.67	229.70	232.14	233.44	239.64	237.98	231.22	228.28	228.29	228.31	229.52	239.64
Min	227.94	228.52	228.26	228.21	228.20	229.56	229.63	228.25	228.07	228.02	227.82	228.04	227.82
Annual Max Momentary Gage Height	240.30		m. (MSL.) ,			at 12.00 Hours, on Sep 11, 2021							
Zero Gage at Bottom Elevation	228.00		m. (MSL.) ,			River Bed	227.82	m. (MSL.)					
Left Bank Elevation		238.44		m. (MSL.) ,									
Right Bank Elevation		238.11		m. (MSL.) ,		Drainage Are	933	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.05	2.40	4.70	0.48	0.88	21.90	22.60	16.76	0.56	0.34	0.20	0.30	
2	0.04	5.60	2.04	0.46	0.84	16.68	31.10	13.80	0.50	0.34	0.18	0.18	
3	0.04	6.05	1.42	0.42	0.86	13.72	29.72	11.72	0.44	0.34	0.00	0.14	
4	0.07	7.71	1.30	0.42	0.90	38.30	20.70	7.35	0.38	0.30	0.00	0.17	
5	0.08	7.05	1.03	0.90	0.82	15.80	14.92	6.25	0.30	0.30	0.10	0.19	
6	0.12	4.40	0.90	3.04	0.80	9.46	10.79	5.30	0.28	0.28	0.12	0.15	
7	0.13	8.20	0.98	12.92	0.68	7.50	7.64	4.85	0.24	0.20	0.18	0.20	
8	0.15	7.85	2.40	12.20	0.60	5.30	7.35	4.25	0.20	0.20	0.20	0.98	
9	0.24	2.12	2.40	23.10	0.60	20.40	6.45	3.40	0.18	0.18	0.20	3.68	
10	0.24	1.33	3.24	25.82	0.56	131.70	5.65	2.80	0.18	0.18	0.20	0.98	
11	0.24	1.42	2.76	21.00	0.62	304.12	9.88	2.76	0.18	0.18	0.24	0.60	
12	0.26	1.68	2.24	24.13	0.62	234.06	21.60	2.28	0.17	0.18	0.32	0.40	
13	0.46	1.36	6.00	24.26	0.60	65.50	19.30	1.84	0.26	0.20	0.40	0.32	
14	0.30	1.18	5.00	16.92	0.56	75.90	27.12	1.57	0.50	0.20	0.48	0.28	
15	0.26	1.54	4.15	12.04	0.54	113.10	17.16	1.42	0.50	0.20	0.62	0.28	
16	0.52	2.20	2.48	9.95	0.52	81.30	49.00	1.24	0.46	0.17	0.50	0.26	
17	0.90	1.06	2.12	7.25	0.52	42.95	212.00	0.96	0.46	0.13	0.44	0.36	
18	0.78	1.21	2.00	4.50	0.48	35.90	132.93	0.82	0.44	0.13	0.44	0.66	
19	7.15	1.48	2.00	4.35	0.44	19.00	44.25	0.74	0.42	0.12	0.40	0.86	
20	17.56	1.21	1.48	2.04	0.42	11.64	24.00	0.62	0.40	0.12	0.44	1.15	
21	2.76	1.84	0.96	1.24	0.40	22.40	33.50	0.54	0.40	0.18	0.52	0.54	
22	2.00	5.05	0.66	1.00	0.54	144.42	145.68	0.50	0.40	0.18	0.48	0.76	
23	1.64	15.96	0.58	1.33	0.96	190.00	162.06	0.62	0.40	0.26	0.46	3.16	
24	1.48	8.76	0.56	6.00	0.86	180.18	41.30	0.88	0.40	0.42	0.42	5.10	
25	1.09	13.32	0.56	7.25	1.92	125.96	18.68	0.84	0.38	0.58	0.40	4.75	
26	1.00	12.52	0.58	4.35	12.92	233.52	15.40	0.78	0.38	0.54	0.40	1.21	
27	0.90	15.24	0.60	3.52	21.40	301.22	12.04	0.74	0.36	0.48	0.38	0.88	
28	1.27	20.70	0.54	2.12	28.68	209.00	11.16	0.68	0.36	0.38	0.40	0.84	
29	1.30	19.30	0.52	1.57	19.30	70.80	20.20	0.64	0.34	0.20		0.60	
30	1.30	18.60	0.52	1.06	31.10	29.20	40.25	0.58	0.34	0.22		0.74	
31		13.72		0.88	45.00		21.20		0.34	0.28		0.68	
Total	44.33	212.06	56.72	236.52	175.94	2770.93	1235.63	97.53	11.15	8.01	9.12	31.40	4889.34

WATER YEAR : 2021**CHI RIVER BASIN****Chi River at Ban Nong O , Chaiyaphum (E.32A)**

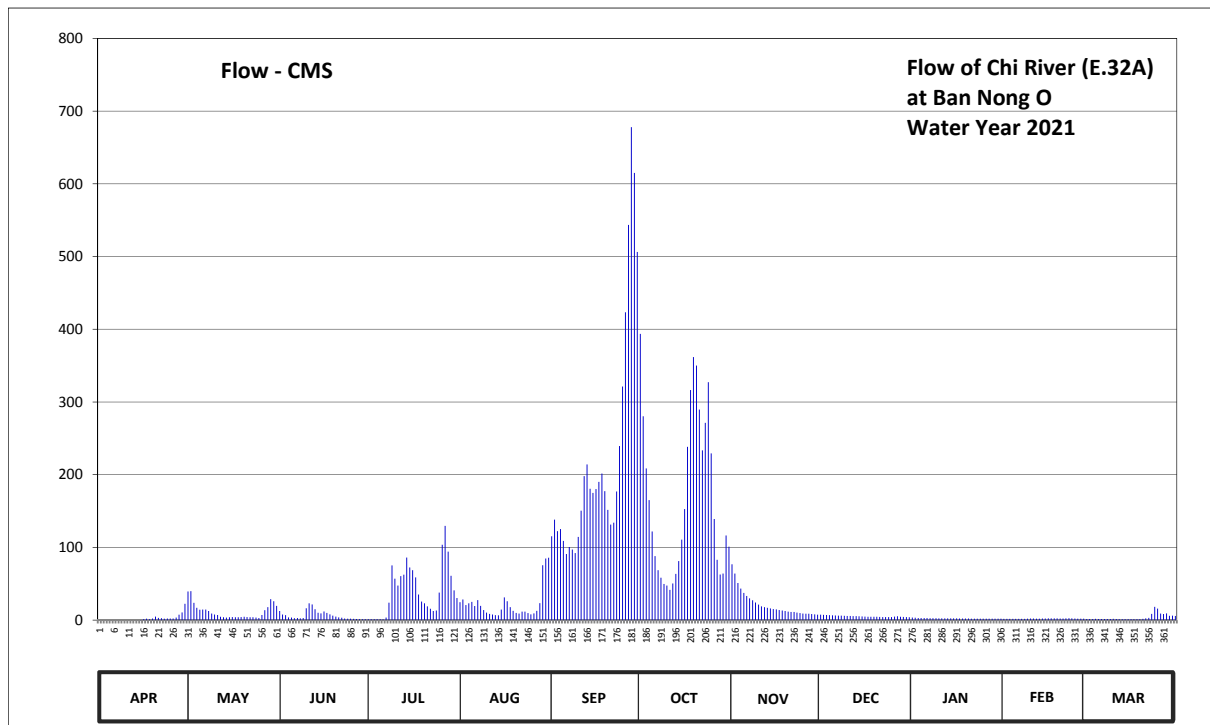
Lat 15 - 54 - 27 N Long 101 - 42 - 29 E

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	+211.424 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.		
Overbank Flow Conditions	Overbank flow starts at elevation +209.990 m.(MSL.) record are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 34 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	198.35	201.74	199.86	198.61	200.85	205.12	209.51	203.58	199.34	198.95	198.70	198.67	
2	198.35	201.77	199.37	198.60	201.09	205.84	208.57	203.00	199.32	198.92	198.70	198.64	
3	198.35	200.79	199.28	198.61	200.61	205.37	207.51	202.35	199.30	198.89	198.70	198.65	
4	198.35	200.29	198.97	198.61	200.75	205.47	206.55	201.96	199.28	198.87	198.70	198.69	
5	198.35	200.03	198.94	198.60	200.88	204.89	205.35	201.63	199.26	198.86	198.70	198.66	
6	198.35	200.05	198.85	198.58	200.52	204.20	204.08	201.39	199.24	198.86	198.70	198.64	
7	198.36	200.04	198.87	198.94	201.03	204.59	203.21	201.18	199.22	198.85	198.69	198.65	
8	198.38	199.86	198.80	200.81	200.53	204.46	202.72	201.02	199.21	198.83	198.69	198.65	
9	198.40	199.50	198.89	203.51	199.99	204.26	202.29	200.82	199.20	198.82	198.72	198.65	
10	198.40	199.37	200.23	202.65	199.63	205.09	202.18	200.64	199.18	198.81	198.76	198.69	
11	198.40	199.30	200.75	202.18	199.45	206.17	201.86	200.50	199.16	198.80	198.76	198.64	
12	198.40	199.05	200.66	202.83	199.36	207.30	202.32	200.39	199.15	198.80	198.74	198.60	
13	198.40	198.99	200.09	202.92	199.29	207.62	202.98	200.29	199.14	198.80	198.73	198.61	
14	198.40	198.94	199.60	204.00	199.25	206.94	203.78	200.20	199.12	198.80	198.76	198.62	
15	198.44	198.99	199.53	203.38	200.05	206.80	204.95	200.11	199.11	198.80	198.75	198.60	
16	198.62	199.02	199.79	203.21	201.26	206.93	206.23	200.07	199.08	198.79	198.79	198.60	
17	198.74	199.00	199.58	202.74	200.94	207.14	208.02	199.98	199.07	198.78	198.81	198.61	
18	198.63	199.00	199.40	201.51	200.37	207.37	208.92	199.91	199.07	198.77	198.80	198.62	
19	198.77	199.02	199.22	200.90	199.87	206.86	209.29	199.86	199.06	198.76	198.80	198.63	
20	199.09	199.05	199.09	200.76	199.58	206.20	209.20	199.77	199.05	198.75	198.77	198.70	
21	198.91	199.02	198.98	200.49	199.50	205.65	208.67	199.73	199.04	198.74	198.75	198.81	
22	198.84	199.00	198.93	200.16	199.77	205.72	207.94	199.71	199.02	198.74	198.80	198.90	
23	198.72	199.00	198.78	199.86	199.77	206.85	208.47	199.63	199.01	198.73	198.84	199.46	
24	198.75	198.96	198.73	199.92	199.57	208.04	209.01	199.56	199.01	198.71	198.80	200.43	
25	198.75	198.86	198.72	201.66	199.40	208.96	207.87	199.50	199.01	198.71	198.77	200.19	
26	198.76	199.30	198.68	204.70	199.53	209.69	205.86	199.48	199.09	198.72	198.74	199.49	
27	198.95	199.97	198.64	205.60	199.88	210.26	203.86	199.47	199.13	198.73	198.73	199.43	
28	199.35	200.38	198.62	204.34	200.77	210.68	202.94	199.44	199.06	198.74	198.71	199.53	
29	199.66	201.11	198.62	202.85	203.52	210.50	203.00	199.40	199.03	198.74		199.19	
30	200.72	200.94	198.60	201.83	203.94	210.11	205.16	199.35	199.01	198.73		199.21	
31		200.54		201.21	203.99		204.61		198.99	198.71		199.18	
Mean	198.70	199.71	199.24	201.44	200.48	206.84	205.71	200.46	199.13	198.79	198.75	198.92	
Max	200.72	201.77	200.75	205.60	203.99	210.68	209.51	203.58	199.34	198.95	198.84	200.43	210.68
Min	198.35	198.86	198.60	198.58	199.25	204.20	201.86	199.35	198.99	198.71	198.69	198.60	198.35
Annual Max Momentary Gage Height	210.74		m. (MSL.) ,			at 11.00 Hours, on Sep 28, 2021							
Zero Gage at Bottom Elevation	198.00		m. (MSL.) ,			River Bed	197.12	m. (MSL.)					
Left Bank Elevation	209.98		m. (MSL.) ,										
Right Bank Elevation	211.06		m. (MSL.) ,			Drainage Are	2,880	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	39.32	12.60	1.26	24.60	115.36	393.60	76.76	7.40	3.50	1.80	1.62		
2	0.00	39.86	7.70	1.20	28.44	138.24	280.30	64.00	7.20	3.20	1.80	1.44		
3	0.00	23.64	6.80	1.26	20.76	122.36	208.50	51.00	7.00	2.94	1.80	1.50		
4	0.00	16.90	3.70	1.26	23.00	125.16	165.00	43.28	6.80	2.82	1.80	1.74		
5	0.00	14.30	3.40	1.20	25.08	108.92	121.80	37.34	6.60	2.76	1.80	1.56		
6	0.00	14.50	2.70	1.08	19.32	90.80	87.92	33.24	6.40	2.76	1.80	1.44		
7	0.00	14.40	2.82	3.40	27.48	100.52	68.62	29.88	6.20	2.70	1.74	1.50		
8	0.00	12.60	2.40	23.96	19.48	97.04	58.40	27.32	6.10	2.58	1.74	1.50		
9	0.00	9.00	2.94	75.22	13.90	92.24	49.80	24.12	6.00	2.52	1.92	1.50		
10	0.00	7.70	16.30	57.00	10.30	114.52	47.60	21.24	5.80	2.46	2.16	1.74		
11	0.00	7.00	23.00	47.60	8.50	150.46	41.48	19.00	5.60	2.40	2.16	1.44		
12	0.00	4.50	21.56	60.60	7.60	198.00	50.40	17.90	5.50	2.40	2.04	1.20		
13	0.00	3.90	14.90	62.40	6.90	214.20	63.60	16.90	5.40	2.40	1.98	1.26		
14	0.00	3.40	10.00	86.00	6.50	180.60	81.16	16.00	5.20	2.40	2.16	1.32		
15	0.24	3.90	9.30	72.36	14.50	175.00	110.60	15.10	5.10	2.40	2.10	1.20		
16	1.32	4.20	11.90	68.62	31.16	180.20	152.74	14.70	4.80	2.34	2.34	1.20		
17	2.04	4.00	9.80	58.80	26.04	190.00	238.20	13.80	4.70	2.28	2.46	1.26		
18	1.38	4.00	8.00	35.18	17.70	201.50	316.40	13.10	4.70	2.22	2.40	1.32		
19	2.22	4.20	6.20	25.40	12.70	177.40	361.70	12.60	4.60	2.16	2.40	1.38		
20	4.90	4.50	4.90	23.16	9.80	151.60	350.00	11.70	4.50	2.10	2.22	1.80		
21	3.10	4.20	3.80	18.90	9.00	131.40	289.65	11.30	4.40	2.04	2.10	2.46		
22	2.64	4.00	3.30	15.60	11.70	133.92	233.40	11.10	4.20	2.04	2.40	3.00		
23	1.92	4.00	2.28	12.60	11.70	177.00	271.30	10.30	4.10	1.98	2.64	8.60		
24	2.10	3.60	1.98	13.20	9.70	239.40	327.20	9.60	4.10	1.86	2.40	18.30		
25	2.10	2.76	1.92	37.88	8.00	321.20	229.20	9.00	4.10	1.86	2.22	15.90		
26	2.16	7.00	1.68	103.60	9.30	423.30	138.96	8.80	4.90	1.92	2.04	8.90		
27	3.50	13.70	1.44	129.60	12.80	543.60	82.92	8.70	5.30	1.98	1.98	8.30		
28	7.50	17.80	1.32	94.16	23.32	678.00	62.80	8.40	4.60	2.04	1.86	9.30		
29	10.60	28.76	1.32	61.00	75.44	615.00	64.00	8.00	4.30	2.04		5.90		
30	22.52	26.04	1.20	40.94	84.68	506.40	116.48	7.50	4.10	1.98		6.10		
31		19.64		30.36	85.78		101.08		3.90	1.86		5.80		
Total	70.24	367.32	201.16	1264.80	695.18	6693.34	5164.81	651.68	163.60	72.94	58.26	121.48	15524.81	CMSDAY
Mean	2.34	11.85	6.71	40.80	22.43	223.11	166.61	21.72	5.28	2.35	2.08	3.92	42.53	CMS
Max	22.52	39.86	23.00	129.60	85.78	678.00	393.60	76.76	7.40	3.50	2.64	18.30	678.00	CMS
Min	0.00	2.76	1.20	1.08	6.50	90.80	41.48	7.50	3.90	1.86	1.74	1.20	0.00	CMS
Runoff	6.07	31.74	17.38	109.28	60.06	578.30	446.24	56.31	14.14	6.30	5.03	10.50	1341.34	MCM
Momentary Peak	700.60 CMS, at 210.74 m. (MSL.), at 11.00 Hours, on Sep 28, 2021													
Runoff Yield	14.77 Liters/Second/Square KM.				Momentary Peak Yield 243.26 Liters/Second/Square KM.									

WATER YEAR : 2021**CHI RIVER BASIN****Nam Yang at Ban Kaeng Yao , Kalasin (E.54)**

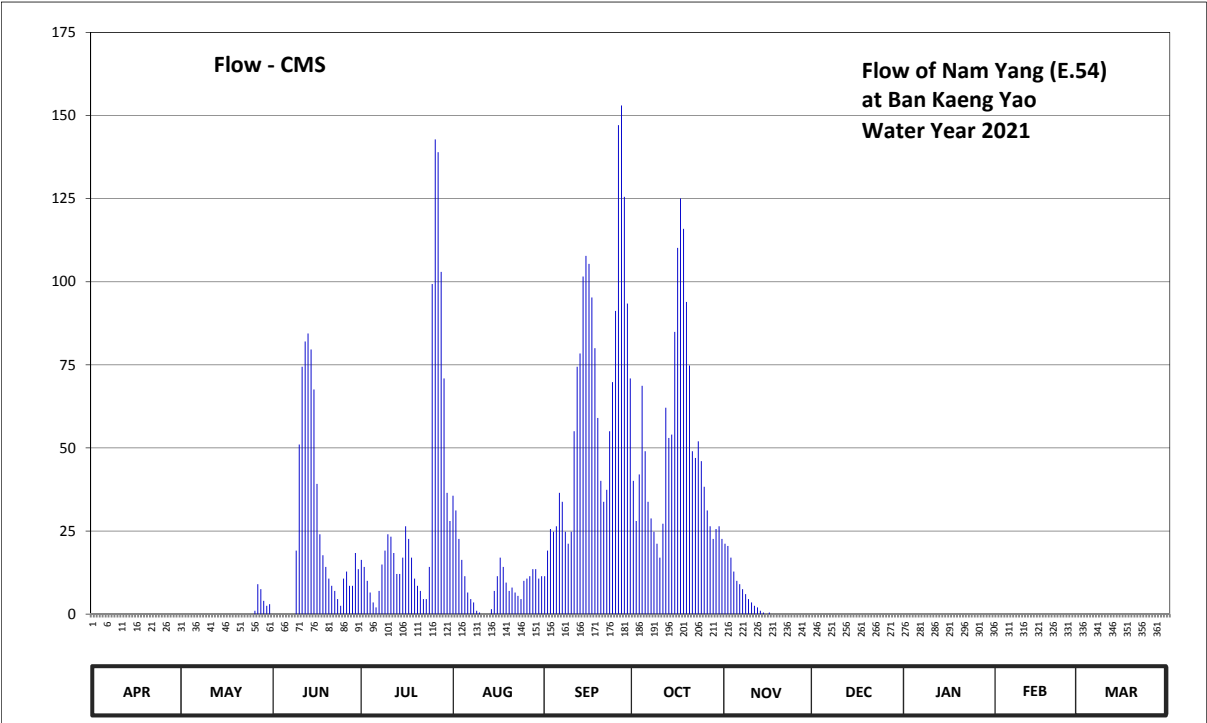
Lat 16 - 26 - 33 N Long 104 - 01 - 51 E

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

	Ban Kaeng Yao	Amphoe Kuchinarai	Changwat Kalasin
Drainage Area	1,508 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+138.300 m. (MSL.)		
Bench Mark	B.M.- H.D.		
Location BM	On right bank at the abutment of the bridge.	Elevation	+149.988 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1969 to date		
Rating Operation			
Period of Rating	1969 - 1977 , 1983 to date		
Rated by Float	-		
Rated by Current Meter	1969 - 1977 , 1983 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. The weir situated about 100 meters downstream from the gage site. Stage-discharge relation defined by 30 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

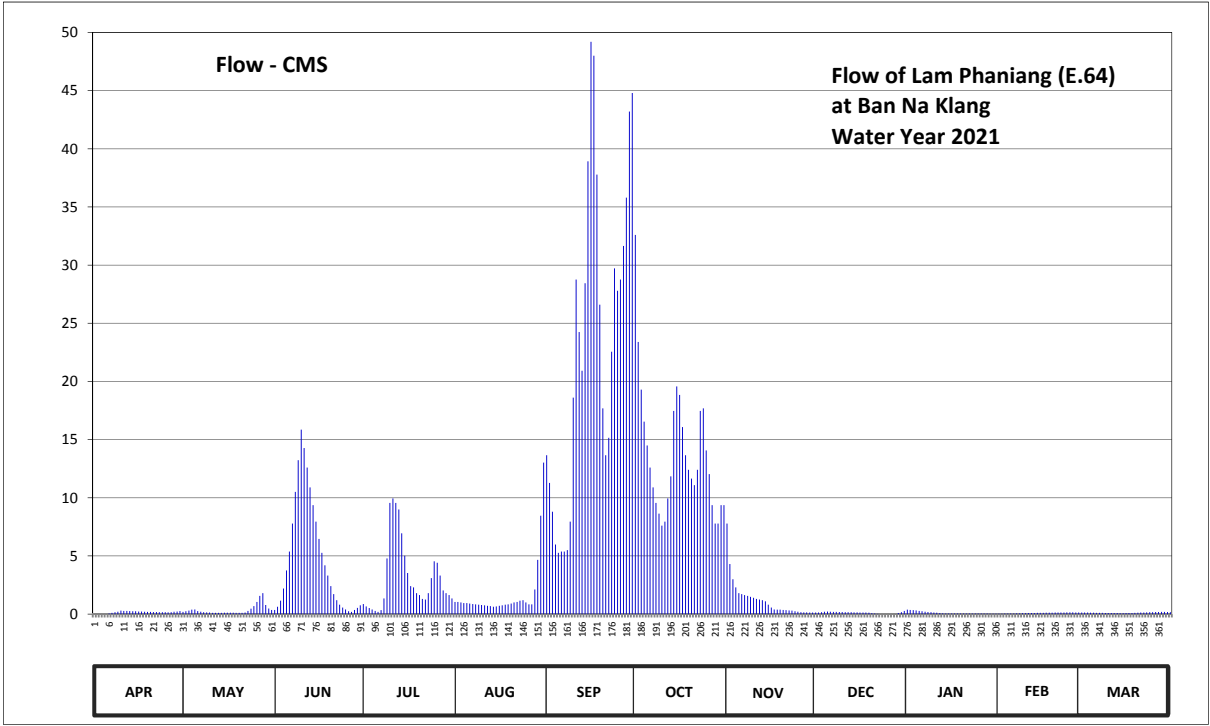
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	140.23	140.36	140.40	140.69	140.94	140.62	140.99	140.76	140.35	140.32	140.32	140.31	
2	140.22	140.35	140.37	140.66	140.89	140.73	140.85	140.75	140.36	140.32	140.32	140.31	
3	140.22	140.35	140.35	140.60	140.78	140.82	141.01	140.70	140.35	140.32	140.33	140.31	
4	140.22	140.34	140.35	140.53	140.69	140.81	141.27	140.64	140.35	140.32	140.33	140.31	
5	140.21	140.33	140.35	140.47	140.62	140.83	141.08	140.60	140.34	140.32	140.33	140.31	
6	140.20	140.32	140.35	140.44	140.53	140.95	140.92	140.58	140.34	140.32	140.34	140.31	
7	140.18	140.33	140.37	140.54	140.49	140.92	140.86	140.55	140.35	140.32	140.34	140.31	
8	140.17	140.33	140.40	140.67	140.47	140.81	140.81	140.52	140.34	140.32	140.34	140.30	
9	140.16	140.33	140.73	140.73	140.42	140.76	140.76	140.49	140.34	140.32	140.33	140.30	
10	140.15	140.32	141.10	140.80	140.41	140.81	140.70	140.47	140.32	140.32	140.32	140.28	
11	140.15	140.32	141.36	140.79	140.39	141.14	140.84	140.45	140.33	140.33	140.31	140.28	
12	140.15	140.31	141.55	140.72	140.39	141.36	141.21	140.44	140.33	140.33	140.31	140.27	
13	140.14	140.31	141.61	140.63	140.38	141.46	141.12	140.42	140.33	140.33	140.31	140.28	
14	140.14	140.30	141.49	140.63	140.43	141.99	141.13	140.41	140.33	140.32	140.30	140.29	
15	140.16	140.30	141.26	140.70	140.54	142.12	141.62	140.40	140.33	140.32	140.30	140.30	
16	140.21	140.30	140.98	140.83	140.62	142.07	142.17	140.41	140.33	140.32	140.31	140.29	
17	140.28	140.30	140.80	140.78	140.70	141.85	142.48	140.40	140.34	140.32	140.32	140.30	
18	140.32	140.31	140.71	140.70	140.66	141.50	142.29	140.39	140.34	140.32	140.32	140.30	
19	140.34	140.31	140.66	140.61	140.59	141.18	141.82	140.39	140.33	140.31	140.31	140.29	
20	140.34	140.31	140.61	140.57	140.54	140.99	141.37	140.38	140.33	140.31	140.31	140.29	
21	140.34	140.30	140.57	140.54	140.56	140.92	141.08	140.38	140.33	140.31	140.31	140.29	
22	140.33	140.30	140.54	140.49	140.53	140.96	141.06	140.38	140.32	140.32	140.31	140.29	
23	140.34	140.31	140.49	140.49	140.51	141.14	141.11	140.37	140.32	140.34	140.31	140.29	
24	140.34	140.33	140.45	140.66	140.49	141.28	141.05	140.37	140.32	140.36	140.31	140.30	
25	140.34	140.34	140.61	141.94	140.60	141.76	140.97	140.36	140.33	140.35	140.31	140.30	
26	140.35	140.42	140.64	142.85	140.61	142.94	140.89	140.36	140.33	140.35	140.31	140.30	
27	140.36	140.58	140.57	142.77	140.62	143.06	140.83	140.36	140.33	140.34	140.32	140.31	
28	140.35	140.55	140.57	142.02	140.65	142.49	140.78	140.35	140.33	140.33	140.32	140.32	
29	140.34	140.48	140.72	141.29	140.65	141.81	140.82	140.35	140.32	140.33		140.32	
30	140.35	140.45	140.65	140.95	140.61	141.29	140.83	140.35	140.32	140.33		140.32	
31		140.46		140.85	140.62		140.78		140.32	140.32		140.32	
Mean	140.25	140.35	140.72	140.90	140.58	141.38	141.15	140.46	140.33	140.33	140.32	140.30	
Max	140.36	140.58	141.61	142.85	140.94	143.06	142.48	140.76	140.36	140.36	140.34	140.32	143.06
Min	140.14	140.30	140.35	140.44	140.38	140.62	140.70	140.35	140.32	140.31	140.30	140.27	140.14
Annual Max Momentary Gage Height	143.16		m. (MSL.) ,			at 02.00 Hours, on Sep 27, 2021							
Zero Gage at Bottom Elevation		138.30		m. (MSL.) ,		River Bed	138.77		m. (MSL.)				
Left Bank Elevation		143.59		m. (MSL.) ,									
Right Bank Elevation		147.07		m. (MSL.) ,		Drainage Are	1,508		Square Kilometers				



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

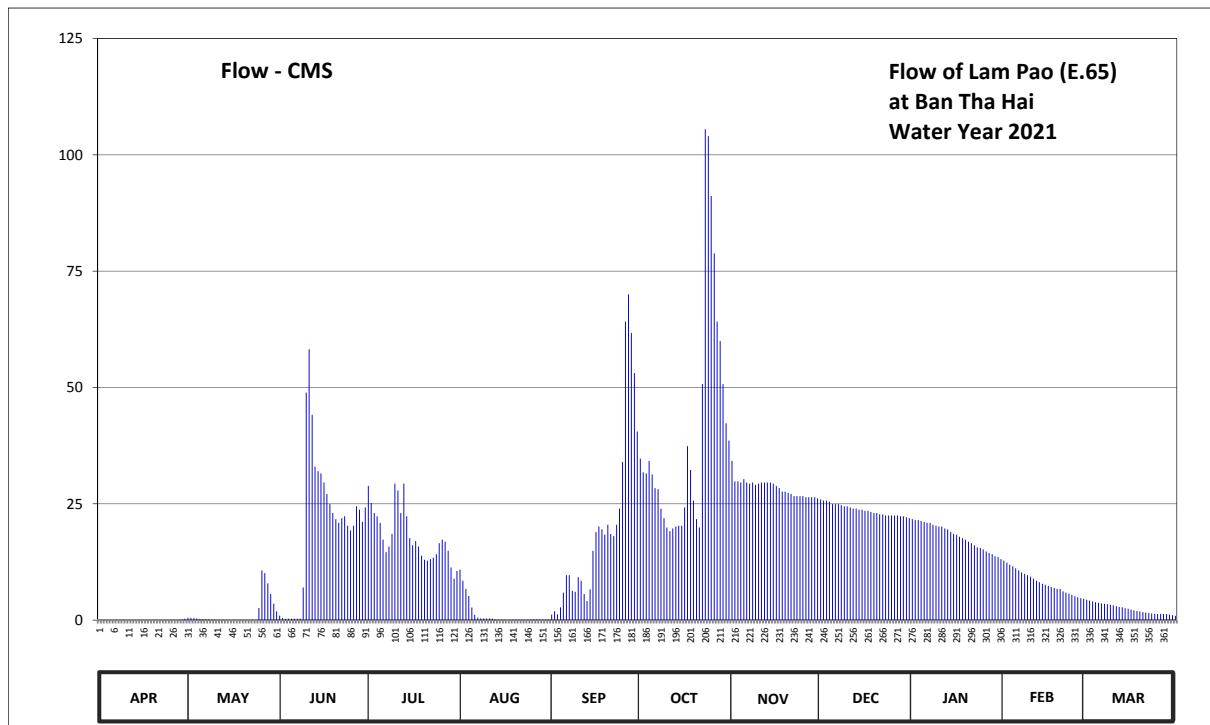
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	16.30	35.60	11.40	40.10	21.20	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	14.20	31.20	19.10	28.00	20.50	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	10.00	22.60	25.60	42.00	17.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	6.50	16.30	24.80	68.70	12.80	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	3.50	11.40	26.40	49.00	10.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	2.00	6.50	36.50	33.80	9.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	7.00	4.50	33.80	28.80	7.50	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	14.90	3.50	24.80	24.80	6.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	19.10	19.10	1.00	21.20	21.20	4.50	0.00	0.00	0.00	0.00	
10	0.00	0.00	51.00	24.00	0.50	24.80	17.00	3.50	0.00	0.00	0.00	0.00	
11	0.00	0.00	74.40	23.30	0.00	55.00	27.20	2.50	0.00	0.00	0.00	0.00	
12	0.00	0.00	82.00	18.40	0.00	74.40	62.10	2.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	84.45	12.10	0.00	78.40	53.00	1.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	79.60	12.10	1.50	101.55	54.00	0.50	0.00	0.00	0.00	0.00	
15	0.00	0.00	67.60	17.00	7.00	107.76	84.90	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	39.20	26.40	11.40	105.36	110.16	0.50	0.00	0.00	0.00	0.00	
17	0.00	0.00	24.00	22.60	17.00	95.25	125.04	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	17.70	17.00	14.20	80.00	115.92	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	14.20	10.70	9.50	59.00	93.90	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	10.70	8.50	7.00	40.10	74.80	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	8.50	7.00	8.00	33.80	49.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	7.00	4.50	6.50	37.40	47.00	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	4.50	4.50	5.50	55.00	52.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	2.50	14.20	4.50	69.80	46.00	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	10.70	99.30	10.00	91.20	38.30	0.00	0.00	0.00	0.00	0.00	
26	0.00	1.00	12.80	142.80	10.70	147.12	31.20	0.00	0.00	0.00	0.00	0.00	
27	0.00	9.00	8.50	138.96	11.40	153.00	26.40	0.00	0.00	0.00	0.00	0.00	
28	0.00	7.50	8.50	102.96	13.50	125.52	22.60	0.00	0.00	0.00	0.00	0.00	
29	0.00	4.00	18.40	70.90	13.50	93.45	25.60	0.00	0.00	0.00	0.00	0.00	
30	0.00	2.50	13.50	36.50	10.70	70.90	26.40	0.00	0.00	0.00	0.00	0.00	
31		3.00		28.00	11.40		22.60		0.00	0.00		0.00	
Total	0.00	27.00	658.85	935.22	306.40	1922.41	1541.52	118.50	0.00	0.00	0.00	0.00	5509.90 CMSDAY
Mean	0.00	0.87	21.96	30.17	9.88	64.08	49.73	3.95	0.00	0.00	0.00	0.00	15.10 CMS
Max	0.00	9.00	84.45	142.80	35.60	153.00	125.04	21.20	0.00	0.00	0.00	0.00	153.00 CMS
Min	0.00	0.00	0.00	2.00	0.00	11.40	17.00	0.00	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	2.33	56.92	80.80	26.47	166.10	133.19	10.24	0.00	0.00	0.00	0.00	476.06 MCM
Momentary Peak	158.00 CMS, at 143.16 m. (MSL.), at 02.00 Hours, on Sep 27, 2021												
Runoff Yield	10.01	Liters/Second/Square KM.			Momentary Peak Yield			104.77	Liters/Second/Square KM.				

Gage Height in Meter (MSL.)														Water Year April 1, 2021 to March 31, 2022													
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual													
	1	256.59	256.99	257.08	257.29	257.33	258.25	258.95	257.94	256.93	257.09	256.84	256.94														
	2	256.64	257.02	257.21	257.22	257.33	258.13	258.65	257.70	256.94	257.08	256.84	256.93														
	3	256.69	257.05	257.35	257.16	257.32	258.00	258.50	257.58	256.96	257.07	256.85	256.93														
	4	256.74	257.09	257.50	257.10	257.31	257.83	258.38	257.51	257.00	257.06	256.85	256.92														
	5	256.80	257.10	257.65	257.04	257.31	257.78	258.29	257.45	257.01	257.04	256.86	256.92														
	6	256.85	257.03	257.79	256.99	257.30	257.79	258.20	257.44	257.00	257.02	256.86	256.91														
	7	256.91	257.00	257.94	257.07	257.29	257.79	258.11	257.43	256.99	257.00	256.87	256.91														
	8	256.96	256.97	258.09	257.39	257.28	257.80	258.04	257.42	256.99	256.98	256.87	256.91														
	9	257.00	256.95	258.23	257.74	257.27	257.95	257.99	257.41	256.98	256.96	256.88	256.90														
	10	257.05	256.93	258.35	258.04	257.26	258.47	257.93	257.40	256.98	256.94	256.88	256.90														
	11	257.04	256.91	258.28	258.06	257.25	258.83	257.95	257.38	256.97	256.92	256.89	256.90														
	12	257.04	256.91	258.20	258.04	257.24	258.68	258.06	257.37	256.96	256.90	256.90	256.89														
	13	257.03	256.91	258.11	258.01	257.23	258.56	258.16	257.36	256.96	256.87	256.90	256.89														
	14	257.02	256.91	258.03	257.89	257.21	258.82	258.42	257.34	256.95	256.86	256.91	256.88														
	15	257.02	256.92	257.95	257.76	257.22	259.14	258.51	257.27	256.95	256.86	256.91	256.88														
	16	257.01	256.92	257.86	257.63	257.24	259.40	258.48	257.18	256.94	256.86	256.91	256.89														
	17	257.01	256.92	257.78	257.52	257.25	259.37	258.36	257.10	256.94	256.86	256.92	256.90														
	18	257.00	256.92	257.69	257.51	257.27	259.11	258.25	257.09	256.93	256.86	256.92	256.90														
	19	256.99	256.91	257.61	257.45	257.28	258.76	258.19	257.09	256.92	256.86	256.92	256.91														
	20	256.99	256.91	257.52	257.43	257.30	258.43	258.15	257.08	256.88	256.86	256.93	256.92														
	21	256.98	256.91	257.44	257.38	257.32	258.25	258.12	257.07	256.85	256.86	256.93	256.93														
	22	256.98	256.94	257.36	257.37	257.33	258.32	258.19	257.06	256.82	256.85	256.94	256.94														
	23	256.97	257.04	257.27	257.45	257.35	258.62	258.42	257.05	256.79	256.85	256.94	256.95														
	24	256.96	257.13	257.18	257.59	257.36	258.86	258.43	257.02	256.77	256.85	256.95	256.96														
	25	256.96	257.23	257.10	257.72	257.32	258.80	258.27	257.00	256.77	256.85	256.95	256.97														
	26	256.95	257.33	257.02	257.71	257.28	258.83	258.17	256.97	256.77	256.85	256.95	256.98														
	27	256.96	257.42	256.99	257.61	257.28	258.92	258.03	256.95	256.76	256.85	256.94	256.98														
	28	257.00	257.45	257.08	257.48	257.49	259.05	257.94	256.95	256.80	256.85	256.94	256.99														
	29	257.01	257.26	257.17	257.45	257.73	259.25	257.94	256.94	256.89	256.84		256.99														
	30	257.03	257.14	257.25	257.43	257.98	259.29	258.03	256.94	256.97	256.84		256.98														
31		257.08		257.39	258.22		258.03		257.04	256.84		256.97															
Mean	256.94	257.04	257.60	257.51	257.36	258.57	258.23	257.25	256.92	256.91	256.90	256.93															
Max	257.05	257.45	258.35	258.06	258.22	259.40	258.95	257.94	257.04	257.09	256.95	256.99	259.40														
Min	256.59	256.91	256.99	256.99	257.21	257.78	257.93	256.94	256.76	256.84	256.84	256.88	256.59														
Annual Max Momentary Gage Height			259.43	m. (MSL.) , at 12.00 Hours, on Sep 16, 2021																							
Zero Gage at Bottom Elevation			254.50	m. (MSL.) , River Bed 256.22 m. (MSL.)																							
Left Bank Elevation			259.08	m. (MSL.) ,																							
Right Bank Elevation			258.94	m. (MSL.) , Drainage Are 372 Square Kilometers																							



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.19	0.36	0.87	1.05	13.65	32.60	7.78	0.13	0.38	0.04	0.14		
2	0.00	0.24	0.63	0.66	1.05	11.27	23.40	4.30	0.14	0.36	0.04	0.13		
3	0.00	0.30	1.15	0.52	1.00	8.80	19.30	3.00	0.16	0.34	0.05	0.13		
4	0.00	0.38	2.20	0.40	0.95	5.98	16.54	2.30	0.20	0.32	0.05	0.12		
5	0.00	0.40	3.75	0.28	0.95	5.26	14.49	1.80	0.22	0.28	0.06	0.12		
6	0.05	0.26	5.38	0.19	0.90	5.38	12.60	1.72	0.20	0.24	0.06	0.11		
7	0.11	0.20	7.78	0.34	0.87	5.38	10.89	1.64	0.19	0.20	0.07	0.11		
8	0.16	0.17	10.51	1.35	0.84	5.50	9.56	1.56	0.19	0.18	0.07	0.11		
9	0.20	0.15	13.23	4.78	0.81	7.95	8.63	1.48	0.18	0.16	0.08	0.10		
10	0.30	0.13	15.85	9.56	0.78	18.61	7.61	1.40	0.18	0.14	0.08	0.10		
11	0.28	0.11	14.28	9.94	0.75	28.76	7.95	1.30	0.17	0.12	0.09	0.10		
12	0.28	0.11	12.60	9.56	0.72	24.24	9.94	1.25	0.16	0.10	0.10	0.09		
13	0.26	0.11	10.89	8.99	0.69	20.92	11.84	1.20	0.16	0.07	0.10	0.09		
14	0.24	0.11	9.37	6.94	0.63	28.44	17.46	1.10	0.15	0.06	0.11	0.08		
15	0.24	0.12	7.95	5.02	0.66	38.92	19.57	0.81	0.15	0.06	0.11	0.08		
16	0.22	0.12	6.46	3.53	0.72	49.20	18.84	0.56	0.14	0.06	0.11	0.09		
17	0.22	0.12	5.26	2.40	0.75	48.00	16.08	0.40	0.14	0.06	0.12	0.10		
18	0.20	0.12	4.19	2.30	0.81	37.78	13.65	0.38	0.13	0.06	0.12	0.10		
19	0.19	0.11	3.31	1.80	0.84	26.60	12.41	0.38	0.12	0.06	0.12	0.11		
20	0.19	0.11	2.40	1.64	0.90	17.69	11.65	0.36	0.08	0.06	0.13	0.12		
21	0.18	0.11	1.72	1.30	1.00	13.65	11.08	0.34	0.05	0.06	0.13	0.13		
22	0.18	0.14	1.20	1.25	1.05	15.16	12.41	0.32	0.02	0.05	0.14	0.14		
23	0.17	0.28	0.81	1.80	1.15	22.56	17.46	0.30	0.00	0.05	0.14	0.15		
24	0.16	0.46	0.56	3.10	1.20	29.72	17.69	0.24	0.00	0.05	0.15	0.16		
25	0.16	0.69	0.40	4.54	1.00	27.80	14.07	0.20	0.00	0.05	0.15	0.17		
26	0.15	1.05	0.24	4.42	0.84	28.76	12.03	0.17	0.00	0.05	0.15	0.18		
27	0.16	1.56	0.19	3.31	0.84	31.64	9.37	0.15	0.00	0.05	0.14	0.18		
28	0.20	1.80	0.36	2.04	2.12	35.80	7.78	0.15	0.00	0.05	0.14	0.19		
29	0.22	0.78	0.54	1.80	4.66	43.20	7.78	0.14	0.09	0.04		0.19		
30	0.26	0.48	0.75	1.64	8.46	44.80	9.37	0.14	0.17	0.04		0.18		
31		0.36		1.35	13.02		9.37		0.28	0.04		0.17		
Total	4.98	11.27	144.32	97.62	52.01	701.42	423.42	36.87	3.80	3.84	2.85	3.97	1486.37	CMSDAY
Mean	0.17	0.36	4.81	3.15	1.68	23.38	13.66	1.23	0.12	0.12	0.10	0.13	4.07	CMS
Max	0.30	1.80	15.85	9.94	13.02	49.20	32.60	7.78	0.28	0.38	0.15	0.19	49.20	CMS
Min	0.00	0.11	0.19	0.19	0.63	5.26	7.61	0.14	0.00	0.04	0.04	0.08	0.00	CMS
Runoff	0.43	0.97	12.47	8.43	4.49	60.60	36.58	3.19	0.33	0.33	0.25	0.34	128.42	MCM
Momentary Peak	50.46 CMS, at 259.43 m. (MSL.), at 12.00 Hours, on Sep 16, 2021													
Runoff Yield	10.95	Liters/Second/Square KM.			Momentary Peak Yield			135.65	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.50	0.96	28.84	10.85	1.17	34.69	34.20	25.91	21.70	12.80	4.38	
2	0.00	0.50	0.46	25.18	8.45	1.90	31.76	29.81	25.67	21.50	12.35	4.20	
3	0.00	0.46	0.30	22.99	6.70	1.23	31.52	29.81	25.67	21.50	11.90	4.02	
4	0.00	0.36	0.30	22.30	5.20	2.75	34.20	29.57	25.43	21.30	11.60	3.85	
5	0.00	0.26	0.30	20.90	2.70	5.92	31.28	30.30	24.94	21.10	11.15	3.70	
6	0.00	0.20	0.30	17.30	1.14	9.65	28.35	29.57	24.94	20.90	10.70	3.60	
7	0.00	0.16	0.30	14.60	0.52	9.65	28.11	29.33	24.94	20.90	10.25	3.50	
8	0.00	0.13	0.30	15.80	0.38	6.30	23.96	29.57	24.69	20.50	9.95	3.40	
9	0.00	0.09	7.00	18.50	0.38	6.10	21.90	29.08	24.45	20.30	9.65	3.30	
10	0.00	0.05	48.90	29.33	0.36	9.20	19.90	29.33	24.45	20.10	9.35	3.15	
11	0.00	0.00	58.20	27.86	0.36	8.45	19.10	29.57	24.21	20.10	8.90	3.00	
12	0.00	0.00	44.10	22.99	0.32	5.60	19.70	29.57	23.96	19.70	8.45	2.85	
13	0.00	0.00	32.98	29.33	0.09	4.08	20.10	29.57	23.96	19.50	8.15	2.75	
14	0.00	0.00	32.01	22.30	0.05	6.60	20.30	29.57	23.72	18.90	7.80	2.55	
15	0.00	0.00	31.52	17.60	0.05	14.90	20.30	29.33	23.72	18.50	7.60	2.45	
16	0.00	0.00	29.57	16.10	0.06	18.90	24.21	28.84	23.48	18.35	7.40	2.25	
17	0.00	0.00	27.13	17.00	0.01	20.10	37.37	28.35	23.48	17.90	7.10	2.10	
18	0.00	0.00	24.94	15.80	0.02	19.50	32.25	27.62	23.23	17.60	6.90	1.95	
19	0.00	0.00	22.99	13.85	0.07	18.35	25.67	27.62	22.99	17.30	6.70	1.86	
20	0.00	0.00	21.70	12.95	0.07	20.50	21.70	27.38	22.99	16.85	6.70	1.70	
21	0.00	0.00	20.90	12.80	0.07	18.50	19.90	27.13	22.74	16.55	6.20	1.62	
22	0.00	0.00	21.90	13.10	0.07	18.05	50.70	26.64	22.74	16.10	5.92	1.50	
23	0.00	0.00	22.30	13.40	0.07	20.50	105.50	26.64	22.50	15.65	5.68	1.41	
24	0.00	0.00	20.30	14.15	0.07	23.96	104.00	26.64	22.50	15.50	5.44	1.38	
25	0.00	2.60	19.30	16.55	0.11	33.96	91.15	26.64	22.50	15.20	5.13	1.32	
26	0.00	10.70	20.30	17.30	0.13	64.15	78.80	26.40	22.50	14.75	4.92	1.35	
27	0.00	10.10	24.45	16.85	0.12	70.00	64.15	26.40	22.50	14.45	4.71	1.32	
28	0.04	7.90	23.72	14.90	0.12	61.70	59.95	26.40	22.30	14.15	4.57	1.29	
29	0.11	5.60	21.10	11.30	0.12	53.10	50.70	26.40	22.30	13.70		1.20	
30	0.32	3.55	24.21	8.90	0.12	40.54	42.30	26.16	22.10	13.55		1.05	
31		1.90		10.55	0.12		38.59		21.90	13.10		0.93	
Total	0.47	45.06	602.74	561.32	38.90	595.31	1232.11	853.44	733.41	557.20	227.97	74.93	5522.86 CMSDAY
Mean	0.02	1.45	20.09	18.11	1.25	19.84	39.75	28.45	23.66	17.97	8.14	2.42	15.13 CMS
Max	0.32	10.70	58.20	29.33	10.85	70.00	105.50	34.20	25.91	21.70	12.80	4.38	105.50 CMS
Min	0.00	0.00	0.30	8.90	0.01	1.17	19.10	26.16	21.90	13.10	4.57	0.93	0.00 CMS
Runoff	0.04	3.89	52.08	48.50	3.36	51.43	106.45	73.74	63.37	48.14	19.70	6.47	477.18 MCM
Momentary Peak	110.00	CMS, at 165.16 m. (MSL.), at 15.00 Hours, on Oct 23, 2021											
Runoff Yield	6.95	Liters/Second/Square KM.			Momentary Peak Yield			50.55	Liters/Second/Square KM.				

WATER YEAR : 2021**CHI RIVER BASIN****Chi River at Ban Muang Lat , Roi Et (E.66A)**

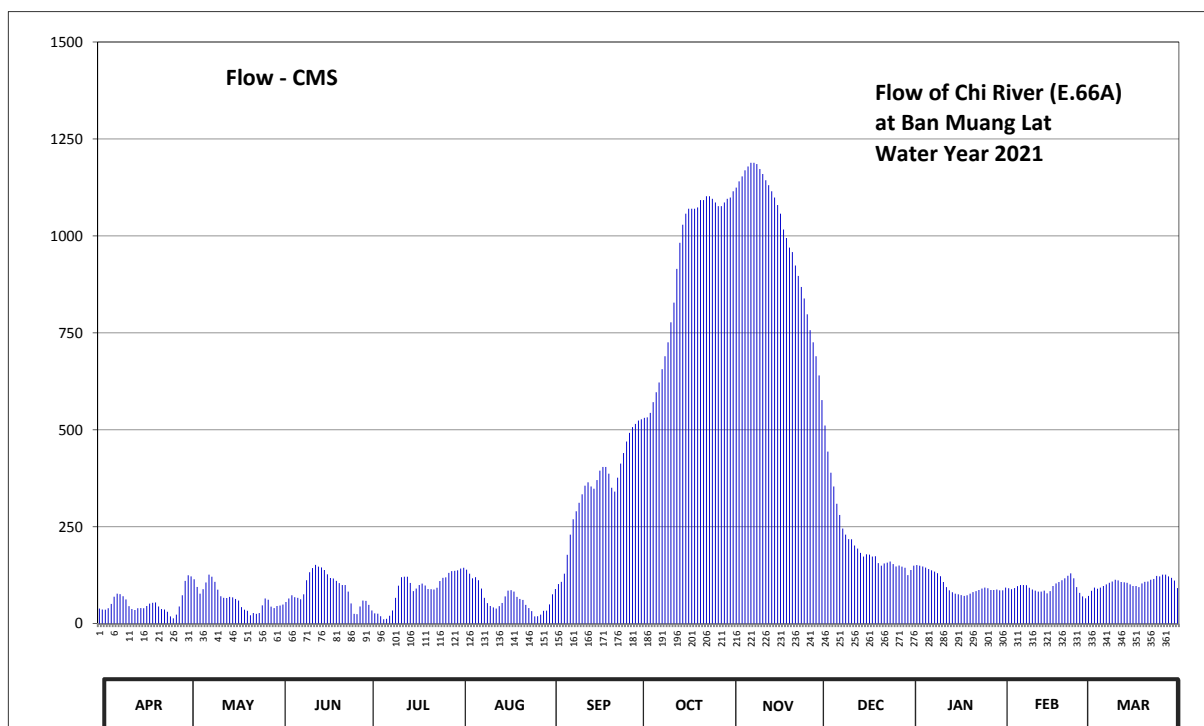
Lat 16 - 12 - 30 N Long 103 - 31 - 40 E

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 +138.320 m.(MSL.), record are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 45 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	130.45	131.88	130.58	130.61	132.17	131.06	136.91	140.05	137.37	132.29	131.35	130.99	
2	130.41	131.83	130.62	130.37	132.20	131.29	136.95	140.08	136.75	132.32	131.32	131.21	
3	130.40	131.71	130.73	130.24	132.12	131.50	136.96	140.13	136.06	132.29	131.28	131.35	
4	130.46	131.38	130.88	130.23	131.95	131.60	137.07	140.17	135.48	132.26	131.33	131.30	
5	130.65	131.09	131.02	130.12	131.75	131.95	137.32	140.22	135.07	132.21	131.41	131.35	
6	130.96	131.28	130.94	129.99	131.80	132.75	137.55	140.25	134.54	132.15	131.46	131.42	
7	131.09	131.57	130.91	130.01	131.67	133.52	137.76	140.28	134.18	132.09	131.46	131.49	
8	131.07	131.91	130.85	130.14	131.31	134.04	138.04	140.28	133.73	132.04	131.45	131.56	
9	130.98	131.82	131.06	130.37	130.91	134.30	138.29	140.27	133.52	131.97	131.34	131.61	
10	130.84	131.60	131.67	130.91	130.68	134.57	138.53	140.23	133.36	131.84	131.27	131.69	
11	130.55	131.26	132.01	131.43	130.56	134.83	138.80	140.19	133.35	131.59	131.22	131.66	
12	130.43	130.98	132.19	131.80	130.50	135.09	139.04	140.14	133.12	131.37	131.18	131.59	
13	130.39	130.91	132.33	131.82	130.45	135.19	139.40	140.10	133.01	131.23	131.18	131.58	
14	130.46	130.90	132.25	131.82	130.55	135.07	139.63	140.05	132.83	131.15	131.22	131.56	
15	130.47	130.95	132.22	131.55	130.69	135.00	139.78	140.00	132.68	131.09	131.10	131.49	
16	130.46	130.93	132.11	131.20	130.97	135.26	139.87	139.94	132.77	131.06	131.20	131.42	
17	130.56	130.86	131.92	131.31	131.22	135.54	139.91	139.87	132.76	131.03	131.42	131.42	
18	130.66	130.79	131.76	131.46	131.24	135.64	139.91	139.74	132.68	130.99	131.53	131.37	
19	130.70	130.51	131.74	131.52	131.18	135.64	139.91	139.67	132.69	131.02	131.59	131.53	
20	130.71	130.40	131.64	131.44	130.95	135.45	139.92	139.59	132.40	131.09	131.67	131.60	
21	130.54	130.35	131.54	131.29	130.86	135.03	139.98	139.55	132.29	131.16	131.75	131.61	
22	130.43	130.16	131.46	131.28	130.82	134.91	139.98	139.43	132.39	131.20	131.86	131.69	
23	130.41	130.26	131.46	131.27	130.61	135.33	140.01	139.33	132.42	131.25	131.96	131.72	
24	130.31	130.22	131.18	131.34	130.47	135.73	140.01	139.22	132.47	131.31	131.75	131.85	
25	130.11	130.26	130.67	131.63	130.34	136.02	139.99	139.09	132.36	131.35	131.37	131.83	
26	130.03	130.59	130.22	131.77	130.11	136.33	139.96	138.90	132.26	131.32	131.12	131.91	
27	130.19	130.88	130.21	131.79	130.12	136.56	139.93	138.70	132.30	131.25	130.97	131.91	
28	130.54	130.83	130.54	131.98	130.19	136.71	139.93	138.53	132.25	131.25	130.89	131.83	
29	131.02	130.53	130.79	132.06	130.35	136.79	139.96	138.29	132.20	131.27		131.77	
30	131.64	130.47	130.78	132.07	130.36	136.88	139.99	137.91	131.89	131.23		131.65	
31		130.56		132.09	130.63		140.00		132.11	131.23		131.33	
Mean	130.60	130.96	131.28	131.19	130.96	134.65	139.07	139.67	133.33	131.51	131.38	131.56	
Max	131.64	131.91	132.33	132.09	132.20	136.88	140.01	140.28	137.37	132.32	131.96	131.91	140.28
Min	130.03	130.16	130.21	129.99	130.11	131.06	136.91	137.91	131.89	130.99	130.89	130.99	129.99
Annual Max Momentary Gage Height	140.29		m. (MSL.) ,			at 01.00 Hours, on Nov 9, 2021							
Zero Gage at Bottom Elevation		126.90	m. (MSL.) ,			River Bed	127.09	m. (MSL.)					
Left Bank Elevation		138.31	m. (MSL.) ,										
Right Bank Elevation		140.75	m. (MSL.) ,			Drainage Are	31,787	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	39.00	124.80	46.80	48.60	142.20	75.60	527.00	1115.00	576.70	149.40	93.00	71.40		
2	36.60	121.80	49.20	34.20	144.00	89.40	531.00	1124.60	511.00	151.20	91.20	84.60		
3	36.00	114.60	55.80	26.40	139.20	102.00	532.00	1140.60	443.76	149.40	88.80	93.00		
4	39.60	94.80	64.80	25.80	129.00	108.00	543.70	1153.40	389.28	147.60	91.80	90.00		
5	51.00	77.40	73.20	19.20	117.00	129.00	571.20	1169.40	354.02	144.60	96.60	93.00		
6	69.60	88.80	68.40	11.40	120.00	177.50	597.00	1179.00	309.36	141.00	99.60	97.20		
7	77.40	106.20	66.60	12.60	112.20	229.52	622.20	1188.60	280.40	137.40	99.60	101.40		
8	76.20	126.60	63.00	20.40	90.60	269.20	656.20	1188.60	245.48	134.40	99.00	105.60		
9	70.80	121.20	75.60	34.20	66.60	290.00	689.60	1185.40	229.52	130.20	92.40	108.60		
10	62.40	108.00	112.20	66.60	52.80	311.88	725.80	1172.60	218.20	122.40	88.20	113.40		
11	45.00	87.60	132.60	97.80	45.60	333.72	777.00	1159.80	217.50	107.40	85.20	111.60		
12	37.80	70.80	143.40	120.00	42.00	355.74	827.80	1143.80	201.40	94.20	82.80	107.40		
13	35.40	66.60	151.80	121.20	39.00	364.34	915.00	1131.00	193.70	85.80	82.80	106.80		
14	39.60	66.00	147.00	121.20	45.00	354.02	982.30	1115.00	182.46	81.00	85.20	105.60		
15	40.20	69.00	145.20	105.00	53.40	348.00	1028.80	1099.00	173.16	77.40	78.00	101.40		
16	39.60	67.80	138.60	84.00	70.20	370.36	1057.40	1079.80	178.74	75.60	84.00	97.20		
17	45.60	63.60	127.20	90.60	85.20	394.76	1070.20	1057.40	178.12	73.80	97.20	97.20		
18	51.60	59.40	117.60	99.60	86.40	404.16	1070.20	1016.40	173.16	71.40	103.80	94.20		
19	54.00	42.60	116.40	103.20	82.80	404.16	1070.20	994.70	173.78	73.20	107.40	103.80		
20	54.60	36.00	110.40	98.40	69.00	386.70	1073.40	970.10	156.00	77.40	112.20	108.00		
21	44.40	33.00	104.40	89.40	63.60	350.58	1092.60	958.50	149.40	81.60	117.00	108.60		
22	37.80	21.60	99.60	88.80	61.20	340.44	1092.60	923.70	155.40	84.00	123.60	113.40		
23	36.60	27.60	99.60	88.20	48.60	376.38	1102.20	896.80	157.20	87.00	129.60	115.20		
24	30.60	25.20	82.80	92.40	40.20	412.62	1102.20	868.20	160.20	90.60	117.00	123.00		
25	18.60	27.60	52.20	109.80	32.40	439.92	1095.80	838.80	153.60	93.00	94.20	121.80		
26	13.80	47.40	25.20	118.20	18.60	469.68	1086.20	798.00	147.60	91.20	79.20	126.60		
27	23.40	64.80	24.60	119.40	19.20	492.00	1076.60	757.00	150.00	87.00	70.20	126.60		
28	44.40	61.80	44.40	130.80	23.40	507.00	1076.60	725.80	147.00	87.00	65.40	121.80		
29	73.20	43.80	59.40	135.60	33.00	515.00	1086.20	689.60	144.00	88.20		118.20		
30	110.40	40.20	58.80	136.20	33.60	524.00	1095.80	640.20	125.40	85.80		111.00		
31		45.60		137.40	49.80		1099.00		138.60	85.80		91.80		
Total	1435.20	2152.20	2656.80	2586.60	2155.80	9925.68	27873.80	30480.80	7014.14	3186.00	2655.00	3269.40	95391.42	CMSDAY
Mean	47.84	69.43	88.56	83.44	69.54	330.86	899.15	1016.03	226.26	102.77	94.82	105.46	261.35	CMS
Max	110.40	126.60	151.80	137.40	144.00	524.00	1102.20	1188.60	576.70	151.20	129.60	126.60	1188.60	CMS
Min	13.80	21.60	24.60	11.40	18.60	75.60	527.00	640.20	125.40	71.40	65.40	71.40	11.40	CMS
Runoff	124.00	185.95	229.55	223.48	186.26	857.58	2408.30	2633.54	606.02	275.27	229.39	282.48	8241.82	MCM
Momentary Peak		1191.80	CMS, at 140.29 m. (MSL.), at 01.00 Hours, on Nov 9, 2021											
Runoff Yield		8.22	Liters/Second/Square KM.		Momentary Peak Yield			37.49	Liters/Second/Square KM.					

WATER YEAR : 2021**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	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow effected by Lam Pao Dam.					
	Stage-discharge relation defined by 30 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	160.48	160.44	160.02	160.50	160.49	160.55	160.90	162.20	162.12	161.94	161.39	160.66	
2	160.48	160.43	160.02	160.56	160.49	160.46	160.93	162.20	162.12	161.93	161.37	160.63	
3	160.48	160.43	160.02	160.50	160.48	160.48	160.96	162.22	162.11	161.93	161.34	160.60	
4	160.48	160.42	160.01	160.49	160.48	160.49	160.99	162.22	162.10	161.92	161.31	160.57	
5	160.48	160.41	160.03	160.47	160.48	160.70	161.01	162.23	162.09	161.92	161.28	160.55	
6	160.47	160.41	160.03	160.48	160.48	160.53	161.03	162.23	162.09	161.91	161.26	160.52	
7	160.47	160.41	160.02	160.48	160.47	160.46	161.04	162.23	162.08	161.90	161.24	160.55	
8	160.47	160.41	160.02	160.49	160.47	160.44	161.05	162.23	162.08	161.89	161.22	160.50	
9	160.46	160.41	160.18	160.49	160.47	160.47	161.05	162.23	162.06	161.88	161.19	160.47	
10	160.46	160.41	161.47	160.50	160.47	160.47	161.08	162.22	162.06	161.87	161.17	160.44	
11	160.46	160.40	160.50	160.49	160.48	160.47	161.20	162.24	162.06	161.86	161.14	160.41	
12	160.46	160.40	160.42	160.48	160.48	160.44	161.12	162.25	162.05	161.85	161.12	160.38	
13	160.45	160.40	160.54	160.48	160.47	160.47	161.13	162.25	162.04	161.83	161.09	160.35	
14	160.45	160.40	160.57	160.48	160.45	160.56	161.39	162.25	162.04	161.81	161.06	160.32	
15	160.44	160.40	160.53	160.49	160.44	160.61	162.94	162.25	162.03	161.79	161.04	160.29	
16	160.44	160.39	160.52	160.50	160.43	160.60	163.02	162.24	162.03	161.77	161.02	160.26	
17	160.44	160.39	160.52	160.49	160.43	160.50	162.39	162.22	162.03	161.75	160.99	160.23	
18	160.44	160.37	160.52	160.53	160.43	160.48	162.04	162.20	162.01	161.72	160.97	160.21	
19	160.44	160.06	160.52	160.50	160.43	160.47	161.89	162.20	162.01	161.69	160.95	160.18	
20	160.44	160.01	160.50	160.49	160.44	160.47	161.82	162.19	162.01	161.67	160.92	160.15	
21	160.43	160.01	160.50	160.49	160.43	160.54	161.79	162.19	162.00	161.65	160.89	160.11	
22	160.43	160.01	160.49	160.48	160.43	160.92	161.88	162.19	162.00	161.62	160.86	160.09	
23	160.43	160.01	160.49	160.48	160.42	160.83	162.09	162.18	161.99	161.60	160.83	160.06	
24	160.43	160.01	160.50	160.56	160.42	160.62	161.98	162.18	161.99	161.58	160.80	160.04	
25	160.43	160.04	160.51	160.67	160.42	160.84	162.01	162.17	161.99	161.56	160.77	160.01	
26	160.43	160.05	160.51	160.54	160.43	160.87	162.04	162.16	161.98	161.54	160.75	160.00	
27	160.43	160.06	160.51	160.52	160.44	160.82	162.06	162.15	161.98	161.51	160.72	159.97	
28	160.43	160.06	160.51	160.51	160.43	160.82	162.09	162.13	161.98	161.49	160.69	159.94	
29	160.44	160.02	160.51	160.50	160.44	160.85	162.13	162.13	161.96	161.47		159.92	
30	160.44	160.02	160.50	160.49	160.41	160.88	162.15	162.13	161.96	161.44		159.89	
31		160.03		160.49	160.48		162.18		161.95	161.42		159.86	
Mean	160.45	160.25	160.40	160.50	160.45	160.60	161.66	162.20	162.03	161.73	161.05	160.26	
Max	160.48	160.44	161.47	160.67	160.49	160.92	163.02	162.25	162.12	161.94	161.39	160.66	163.02
Min	160.43	160.01	160.01	160.47	160.41	160.44	160.90	162.13	161.95	161.42	160.69	159.86	159.86
Annual Max Momentary Gage Height	163.87		m. (MSL.) ,				at 12.00 Hours, on Oct 15, 2021						
Zero Gage at Bottom Elevation		158.87		m. (MSL.) ,		River Bed	159.20		m. (MSL.)				
Left Bank Elevation		171.35		m. (MSL.) ,									
Right Bank Elevation		171.72		m. (MSL.) ,		Drainage Are	478		Square Kilometers				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.40	2.20	0.10	2.50	2.45	2.80	4.90	23.60	20.96	16.16	9.01	3.46	
2	2.40	2.15	0.10	2.86	2.45	2.30	5.08	23.60	20.96	16.02	8.83	3.28	
3	2.40	2.15	0.10	2.50	2.40	2.40	5.26	24.26	20.63	16.02	8.56	3.10	
4	2.40	2.10	0.05	2.45	2.40	2.45	5.44	24.26	20.30	15.88	8.29	2.92	
5	2.40	2.05	0.15	2.35	2.40	3.70	5.59	24.59	19.97	15.88	8.02	2.80	
6	2.35	2.05	0.15	2.40	2.40	2.68	5.77	24.59	19.97	15.74	7.84	2.62	
7	2.35	2.05	0.10	2.40	2.35	2.30	5.86	24.59	19.64	15.60	7.66	2.80	
8	2.35	2.05	0.10	2.45	2.35	2.20	5.95	24.59	19.64	15.46	7.48	2.50	
9	2.30	2.05	0.90	2.45	2.35	2.35	5.95	24.59	18.98	15.32	7.21	2.35	
10	2.30	2.05	9.73	2.50	2.35	2.35	6.22	24.26	18.98	15.18	7.03	2.20	
11	2.30	2.00	2.50	2.45	2.40	2.35	7.30	24.92	18.98	15.04	6.76	2.05	
12	2.30	2.00	2.10	2.40	2.40	2.20	6.58	25.25	18.65	14.90	6.58	1.90	
13	2.25	2.00	2.74	2.40	2.35	2.35	6.67	25.25	18.32	14.62	6.31	1.75	
14	2.25	2.00	2.92	2.40	2.25	2.86	9.01	25.25	18.32	14.34	6.04	1.60	
15	2.20	2.00	2.68	2.45	2.20	3.16	48.02	25.25	17.99	14.06	5.86	1.45	
16	2.20	1.95	2.62	2.50	2.15	3.10	50.76	24.92	17.99	13.78	5.68	1.30	
17	2.20	1.95	2.62	2.45	2.15	2.50	29.87	24.26	17.99	13.50	5.44	1.15	
18	2.20	1.85	2.62	2.68	2.15	2.40	18.32	23.60	17.33	13.08	5.32	1.05	
19	2.20	0.30	2.62	2.50	2.15	2.35	15.46	23.60	17.33	12.66	5.20	0.90	
20	2.20	0.05	2.50	2.45	2.20	2.35	14.48	23.27	17.33	12.38	5.02	0.75	
21	2.15	0.05	2.50	2.45	2.15	2.74	14.06	23.27	17.00	12.10	4.84	0.55	
22	2.15	0.05	2.45	2.40	2.15	5.02	15.32	23.27	17.00	11.68	4.66	0.45	
23	2.15	0.05	2.45	2.40	2.10	4.48	19.97	22.94	16.86	11.40	4.48	0.30	
24	2.15	0.05	2.50	2.86	2.10	3.22	16.72	22.94	16.86	11.12	4.30	0.20	
25	2.15	0.20	2.56	3.52	2.10	4.54	17.33	22.61	16.86	10.84	4.12	0.05	
26	2.15	0.25	2.56	2.74	2.15	4.72	18.32	22.28	16.72	10.56	4.00	0.00	
27	2.15	0.30	2.56	2.62	2.20	4.42	18.98	21.95	16.72	10.14	3.82	0.00	
28	2.15	0.30	2.56	2.56	2.15	4.42	19.97	21.29	16.72	9.91	3.64	0.00	
29	2.20	0.10	2.56	2.50	2.20	4.60	21.29	21.29	16.44	9.73		0.00	
30	2.20	0.10	2.50	2.45	2.05	4.78	21.95	21.29	16.44	9.46		0.00	
31		0.15		2.45	2.40		22.94		16.30	9.28		0.00	
Total	67.55	38.60	62.60	78.49	70.05	94.09	469.34	711.63	564.18	411.84	172.00	43.48	

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	4.50	5.70	4.90	14.10	70.88	14.50	0.00	0.00	0.00	0.00	
2	0.00	0.00	3.50	3.14	0.34	18.90	71.60	12.50	0.00	0.00	0.00	0.00	
3	0.00	0.00	2.60	3.50	0.17	20.38	70.88	8.30	0.00	0.00	0.00	0.00	
4	0.00	1.88	1.88	1.88	1.70	19.50	68.00	7.50	0.00	0.00	0.00	0.00	
5	0.00	6.50	0.85	0.00	2.78	14.70	58.82	8.70	0.00	0.00	0.00	0.00	
6	0.00	6.70	0.00	1.19	2.78	15.90	42.00	6.10	0.00	0.00	0.00	0.00	
7	0.00	5.90	0.00	1.53	2.42	12.70	26.25	5.10	0.00	0.00	0.00	0.00	
8	0.00	4.10	1.02	1.53	0.17	15.30	17.70	4.50	0.00	0.00	0.00	0.00	
9	0.00	3.14	7.10	0.85	0.00	15.30	13.50	4.10	0.00	0.00	0.00	0.00	
10	0.00	3.14	16.70	9.70	0.00	19.10	10.90	2.78	0.00	0.00	0.00	0.00	
11	0.00	3.32	29.50	30.50	0.00	26.25	9.30	0.34	0.00	0.00	0.00	0.00	
12	0.00	2.96	36.00	36.50	0.00	34.50	8.70	1.53	0.00	0.00	0.00	0.00	
13	0.00	2.60	43.80	39.60	0.00	39.60	11.70	3.32	0.00	0.00	0.00	0.00	
14	0.00	2.24	52.70	38.50	0.00	45.00	19.94	0.51	0.00	0.00	0.00	0.00	
15	0.00	1.88	54.74	29.00	0.17	47.10	23.31	1.36	0.00	0.00	0.00	0.00	
16	0.00	1.53	49.50	20.38	0.34	44.70	24.75	2.78	0.00	0.00	0.00	0.00	
17	0.00	1.19	37.00	14.90	0.17	45.00	26.75	2.06	0.00	0.00	0.00	0.00	
18	0.00	0.85	21.26	10.10	0.17	48.00	26.75	0.17	0.00	0.00	0.00	0.00	
19	0.00	0.51	13.30	8.10	0.00	51.34	24.25	0.34	0.00	0.00	0.00	0.00	
20	0.00	0.17	9.30	6.70	0.00	56.78	21.93	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	5.50	5.90	0.00	63.58	18.90	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.68	1.53	5.10	0.00	65.28	16.90	1.53	0.00	0.00	0.00	0.00	
23	0.00	1.36	5.90	4.10	0.00	55.42	15.30	2.42	0.00	0.00	0.00	0.00	
24	0.00	2.06	3.14	4.30	0.00	46.80	17.70	1.53	0.00	0.00	0.00	0.00	
25	0.00	2.78	2.60	5.50	0.00	44.70	21.48	0.00	0.00	0.00	0.00	0.00	
26	0.00	3.70	2.96	7.30	0.00	47.10	21.26	0.00	0.00	0.00	0.00	0.00	
27	0.00	4.50	3.32	11.10	0.00	53.38	18.10	0.00	0.00	0.00	0.00	0.00	
28	0.00	5.70	2.60	8.70	0.00	62.56	14.70	0.00	0.00	0.00	0.00	0.00	
29	0.00	5.90	2.24	7.50	5.70	67.32	13.30	0.00	0.00	0.00	0.00	0.00	
30	0.00	6.10	6.10	2.60	4.70	69.44	13.10	0.00	0.00	0.00		0.00	
31		5.70		6.10	9.10		14.70		0.00	0.00		0.00	
Total	0.00	87.09	421.14	331.50	35.61	1179.73	833.35	91.97	0.00	0.00	0.00	0.00	2980.39 CMSDAY
Mean													

WATER YEAR : 2021**CHI RIVER BASIN****Lam Nam Yang at Ban Kut Kwang , Roi Et (E.70)**

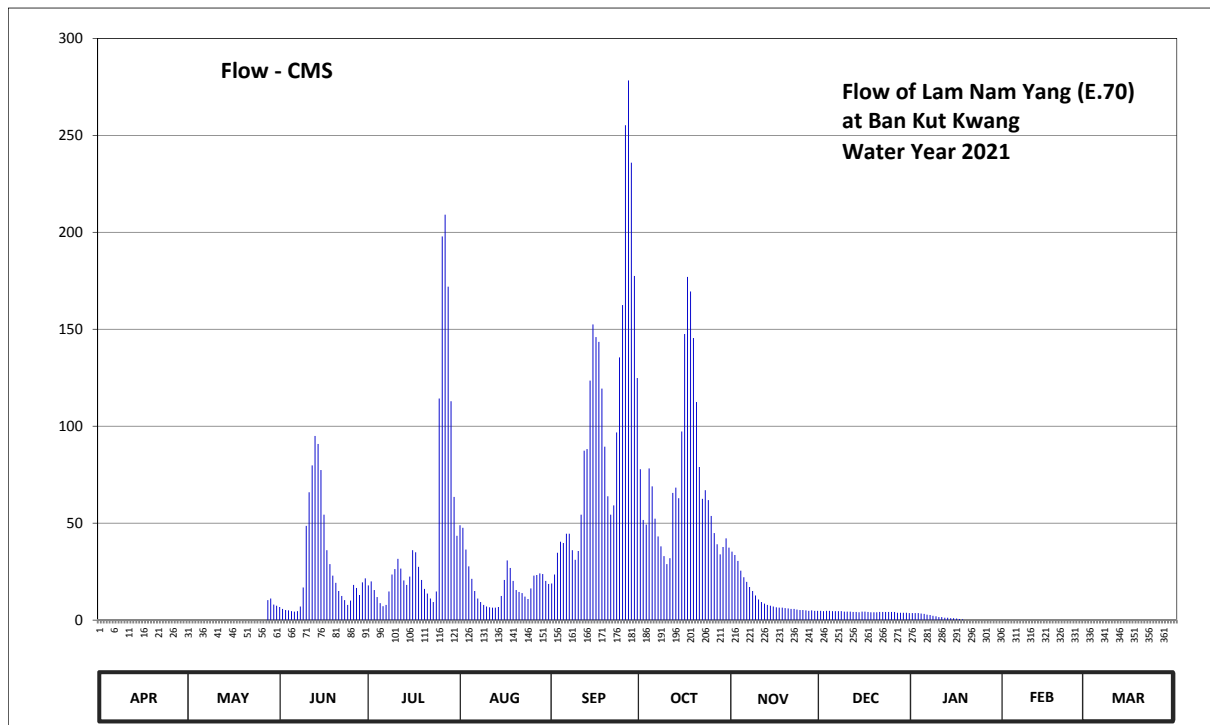
Lat 16 - 17 - 18 N Long 104 - 00 - 18 E

Location : on right bank at the bridge on highway.

	Ban Kut Kwang	Amphoe Phon Thong	Changwat Roi Et
Drainage Area	2,624 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+131.100 m. (MSL.)		
Bench Mark	B.M.- Highways Dept.		
Location BM	On right bank at the abutment of the bridge.	Elevation	+143.749 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1983 to date		
Rating Operation			
Period of Rating	1984 to date		
Rated by 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 40 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	131.11	131.51	131.94	132.38	133.41	132.42	134.22	133.01	131.84	131.78	131.48	131.17	
2	131.11	131.55	131.89	132.46	133.37	132.59	133.49	132.95	131.83	131.78	131.46	131.16	
3	131.11	131.49	131.86	132.29	133.04	132.99	133.42	132.84	131.84	131.78	131.44	131.16	
4	131.11	131.47	131.85	132.15	132.74	133.16	134.23	132.66	131.84	131.77	131.41	131.17	
5	131.11	131.43	131.83	132.03	132.51	133.14	134.00	132.54	131.83	131.76	131.39	131.17	
6	131.11	131.41	131.82	131.96	132.27	133.28	133.51	132.45	131.83	131.74	131.38	131.17	
7	131.12	131.39	131.83	131.99	132.12	133.28	133.24	132.35	131.83	131.73	131.36	131.16	
8	131.12	131.37	131.95	132.26	132.05	133.03	133.09	132.27	131.83	131.71	131.35	131.17	
9	131.14	131.34	132.34	132.59	131.99	132.86	132.93	132.18	131.82	131.70	131.34	131.16	
10	131.15	131.34	133.40	132.69	131.95	133.02	132.78	132.10	131.82	131.68	131.32	131.16	
11	131.16	131.32	133.91	132.88	131.93	133.57	132.89	132.05	131.82	131.68	131.30	131.18	
12	131.18	131.31	134.27	132.70	131.92	134.46	133.90	132.02	131.81	131.66	131.28	131.23	
13	131.19	131.30	134.63	132.48	131.92	134.48	133.98	131.99	131.81	131.66	131.27	131.22	
14	131.20	131.30	134.54	132.39	131.94	135.25	133.82	131.97	131.80	131.65	131.27	131.21	
15	131.21	131.29	134.21	132.55	132.17	135.85	134.68	131.95	131.82	131.65	131.26	131.19	
16	131.22	131.27	133.57	133.03	132.49	135.72	135.75	131.93	131.82	131.64	131.25	131.18	
17	131.22	131.25	133.03	133.00	132.85	135.67	136.34	131.92	131.81	131.63	131.26	131.17	
18	131.22	131.24	132.78	132.73	132.71	135.16	136.19	131.92	131.80	131.62	131.25	131.16	
19	131.22	131.23	132.57	132.49	132.47	134.51	135.71	131.91	131.80	131.60	131.24	131.16	
20	131.23	131.22	132.43	132.31	132.29	133.85	135.01	131.90	131.80	131.58	131.24	131.15	
21	131.23	131.20	132.27	132.22	132.25	133.57	134.25	131.89	131.81	131.56	131.23	131.15	
22	131.23	131.18	132.17	132.12	132.23	133.71	133.81	131.89	131.81	131.55	131.22	131.15	
23	131.23	131.17	132.09	132.05	132.16	134.67	133.94	131.87	131.81	131.54	131.21	131.15	
24	131.24	131.18	131.99	132.26	132.11	135.51	133.79	131.86	131.81	131.52	131.20	131.20	
25	131.24	131.20	132.08	135.05	132.32	136.05	133.55	131.86	131.81	131.51	131.20	131.25	
26	131.24	131.22	132.39	136.73	132.57	137.66	133.29	131.85	131.81	131.50	131.20	131.23	
27	131.22	131.49	132.33	136.93	132.58	137.99	133.12	131.84	131.79	131.51	131.20	131.21	
28	131.25	132.09	132.19	136.24	132.61	137.37	132.96	131.85	131.79	131.52	131.19	131.20	
29	131.35	132.12	132.44	135.02	132.60	136.35	133.08	131.84	131.79	131.52		131.19	
30	131.49	132.00	132.52	133.84	132.47	135.28	133.21	131.84	131.79	131.51		131.19	
31		131.97		133.25	132.41		133.07		131.78	131.49		131.18	
Mean	131.20	131.41	132.64	133.07	132.40	134.55	133.91	132.12	131.81	131.63	131.29	131.18	
Max	131.49	132.12	134.63	136.93	133.41	137.99	136.34	133.01	131.84	131.78	131.48	131.25	137.99
Min	131.11	131.17	131.82	131.96	131.92	132.42	132.78	131.84	131.78	131.49	131.19	131.15	131.11
Annual Max Momentary Gage Height	138.06	m. (MSL.) ,		at 06.00 Hours, on Sep 27, 2021									
Zero Gage at Bottom Elevation	131.10	m. (MSL.) ,		River Bed		130.37	m. (MSL.)						
Left Bank Elevation		138.92	m. (MSL.) ,										
Right Bank Elevation		138.68	m. (MSL.) ,		Drainage Are	2,624	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	6.80	17.88	48.94	18.92	77.80	35.34	4.80	3.60	0.00	0.00	
2	0.00	0.00	5.80	19.96	47.58	23.52	51.66	33.60	4.60	3.60	0.00	0.00	
3	0.00	0.00	5.20	15.54	36.36	34.72	49.28	30.52	4.80	3.60	0.00	0.00	
4	0.00	0.00	5.00	11.90	27.72	40.44	78.20	25.48	4.80	3.40	0.00	0.00	
5	0.00	0.00	4.60	8.78	21.28	39.76	69.00	22.12	4.60	3.20	0.00	0.00	
6	0.00	0.00	4.40	7.20	15.02	44.52	52.34	19.70	4.60	2.80	0.00	0.00	
7	0.00	0.00	4.60	7.80	11.12	44.52	43.16	17.10	4.60	2.60	0.00	0.00	
8	0.00	0.00	7.00	14.76	9.30	36.02	38.06	15.02	4.60	2.20	0.00	0.00	
9	0.00	0.00	16.84	23.52	7.80	31.08	33.04	12.68	4.40	2.00	0.00	0.00	
10	0.00	0.00	48.60	26.32	7.00	35.68	28.84	10.60	4.40	1.60	0.00	0.00	
11	0.00	0.00	65.94	31.64	6.60	54.38	31.92	9.30	4.40	1.60	0.00	0.00	
12	0.00	0.00	79.80	26.60	6.40	87.40	65.60	8.52	4.20	1.20	0.00	0.00	
13	0.00	0.00	94.98	20.48	6.40	88.20	68.32	7.80	4.20	1.20	0.00	0.00	
14	0.00	0.00	90.84	18.14	6.80	123.50	62.88	7.40	4.00	1.00	0.00	0.00	
15	0.00	0.00	77.40	22.40	12.42	152.50	97.28	7.00	4.40	1.00	0.00	0.00	
16	0.00	0.00	54.38	36.02	20.74	146.00	147.50	6.60	4.40	0.80	0.00	0.00	
17	0.00	0.00	36.02	35.00	30.80	143.50	177.00	6.40	4.20	0.60	0.00	0.00	
18	0.00	0.00	28.84	27.44	26.88	119.36	169.50	6.40	4.00	0.40	0.00	0.00	
19	0.00	0.00	22.96	20.74	20.22	89.46	145.50	6.20	4.00	0.00	0.00	0.00	
20	0.00	0.00	19.18	16.06	15.54	63.90	112.46	6.00	4.00	0.00	0.00	0.00	
21	0.00	0.00	15.02	13.72	14.50	54.38	79.00	5.80	4.20	0.00	0.00	0.00	
22	0.00	0.00	12.42	11.12	13.98	59.14	62.54	5.80	4.20	0.00	0.00	0.00	
23	0.00	0.00	10.34	9.30	12.16	96.82	66.96	5.40	4.20	0.00	0.00	0.00	
24	0.00	0.00	7.80	14.76	10.86	135.50	61.86	5.20	4.20	0.00	0.00	0.00	
25	0.00	0.00	10.08	114.30	16.32	162.50	53.70	5.20	4.20	0.00	0.00	0.00	
26	0.00	0.00	18.14	197.88	22.96	255.20	44.86	5.00	4.20	0.00	0.00	0.00	
27	0.00	0.00	16.58	209.08	23.24	278.30	39.08	4.80	3.80	0.00	0.00	0.00	
28	0.00	10.34	12.94	172.00	24.08	235.94	33.88	5.00	3.80	0.00	0.00	0.00	
29	0.00	11.12	19.44	112.92	23.80	177.50	37.72	4.80	3.80	0.00	0.00	0.00	
30	0.00	8.00	21.56	63.56	20.22	124.88	42.14	4.80	3.80	0.00	0.00	0.00	
31		7.40		43.50	18.66		37.38		3.60	0.00		0.00	
Total	0.00	36.86	823.50	1370.32	585.70	2997.54	2158.46	345.58	132.00	36.40	0.00	0.00	8486.36 CMSDAY
Mean	0.00	1.19	27.45	44.20	18.89	99.92	69.63	11.52	4.26	1.17	0.00	0.00	23.25 CMS
Max	0.00	11.12	94.98	209.08	48.94	278.30	177.00	35.34	4.80	3.60	0.00	0.00	278.30 CMS
Min	0.00	0.00	4.40	7.20	6.40	18.92	28.84	4.80	3.60	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	3.18	71.15	118.40	50.60	258.99	186.49	29.86	11.40	3.14	0.00	0.00	733.22 MCM
Momentary Peak	283.44	CMS, at 138.06 m. (MSL.), at 06.00 Hours, on Sep 27, 2021											
Runoff Yield	8.86	Liters/Second/Square KM.				108.02	Liters/Second/Square KM.						

WATER YEAR : 2021**CHI RIVER BASIN****Lam Chiang at Ban Chiang , Chaiphaphum (E.72)**

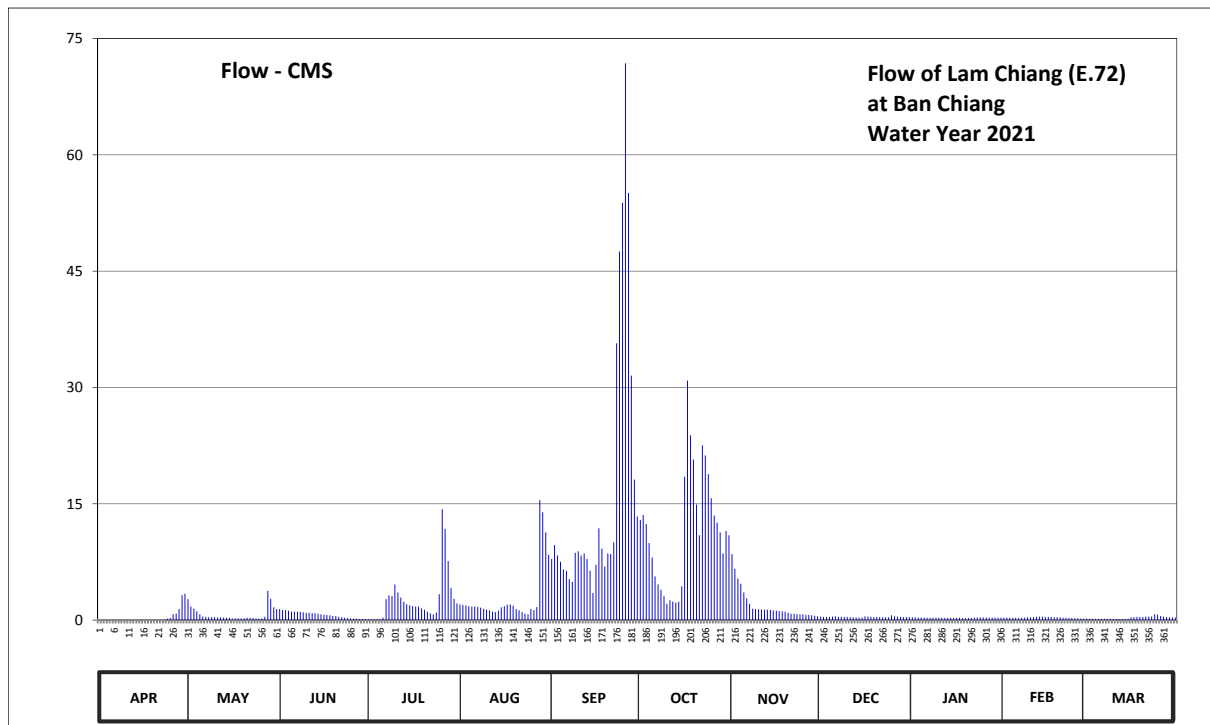
Lat 16 - 01 - 03 N Long 101 - 30 - 21 E

Location : on left bank at Ban Chiang School.

	Ban	Chiang	Amphoe	Phak Di Chumphon	Changwat	Chaiphaphum
Drainage 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 +240.190 m.(MSL.), record are channel flow only.					
General Description	Records fair. Stage-discharge relation defined by 34 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	234.37	235.54	235.28	234.82	235.40	236.22	236.78	236.29	234.98	234.94	234.90	234.84	
2	234.37	235.35	235.25	234.80	235.39	236.42	236.85	236.08	234.96	234.94	234.90	234.84	
3	234.34	235.29	235.25	234.80	235.38	236.27	236.72	235.94	234.96	234.91	234.90	234.84	
4	234.34	235.21	235.23	234.81	235.36	236.18	236.45	235.86	234.96	234.91	234.90	234.83	
5	234.34	235.08	235.20	234.81	235.35	236.07	236.24	235.71	234.98	234.91	234.89	234.83	
6	234.33	234.98	235.20	234.90	235.35	236.05	235.97	235.56	235.00	234.90	234.89	234.83	
7	234.32	234.96	235.20	235.54	235.34	235.93	235.85	235.42	234.97	234.90	234.89	234.83	
8	234.31	234.93	235.19	235.64	235.32	235.89	235.76	235.29	234.97	234.90	234.90	234.83	
9	234.30	234.93	235.17	235.62	235.29	236.31	235.62	235.28	234.96	234.90	234.93	234.83	
10	234.30	234.93	235.15	235.85	235.26	236.33	235.42	235.27	234.96	234.90	234.93	234.82	
11	234.29	234.92	235.15	235.71	235.24	236.27	235.51	235.27	234.94	234.90	234.95	234.82	
12	234.29	234.92	235.13	235.58	235.20	236.30	235.48	235.26	234.92	234.89	234.96	234.82	
13	234.28	234.90	235.13	235.47	235.18	236.22	235.45	235.26	234.92	234.89	234.98	234.82	
14	234.28	234.90	235.11	235.41	235.23	236.05	235.47	235.25	234.91	234.89	234.98	234.82	
15	234.28	234.89	235.08	235.38	235.33	235.70	235.82	235.24	234.91	234.89	234.96	234.83	
16	234.28	234.86	235.07	235.36	235.36	236.14	237.29	235.23	234.99	234.89	234.96	234.94	
17	234.28	234.86	235.05	235.35	235.40	236.66	238.23	235.22	234.98	234.89	234.96	234.95	
18	234.30	234.86	235.04	235.35	235.40	236.37	237.71	235.21	234.97	234.88	234.94	234.96	
19	234.44	234.86	235.01	235.30	235.37	236.11	237.47	235.19	234.95	234.88	234.93	234.96	
20	234.58	234.86	235.01	235.26	235.28	236.30	236.99	235.15	234.95	234.88	234.92	234.96	
21	234.68	234.90	234.97	235.20	235.24	236.29	236.56	235.11	234.95	234.89	234.90	234.98	
22	234.67	234.89	234.94	235.12	235.18	236.46	237.61	235.10	234.94	234.91	234.90	234.98	
23	234.67	234.88	234.90	235.08	235.11	238.53	237.51	235.09	234.93	234.92	234.88	234.99	
24	234.84	234.85	234.87	235.16	235.08	239.24	237.32	235.08	234.94	234.92	234.88	235.09	
25	234.88	234.84	234.85	235.67	235.28	239.59	237.06	235.08	235.04	234.92	234.87	235.07	
26	235.09	234.85	234.84	236.93	235.25	240.53	236.84	235.06	235.00	234.91	234.86	235.01	
27	235.11	234.97	234.84	236.65	235.34	239.66	236.74	235.05	234.98	234.91	234.85	234.98	
28	235.28	235.74	234.82	236.19	237.04	238.27	236.60	235.04	234.96	234.91	234.84	234.95	
29	235.64	235.55	234.82	235.79	236.89	237.26	236.30	235.02	234.95	234.91		234.94	
30	235.68	235.33	234.82	235.55	236.60	236.83	236.62	235.00	234.95	234.90		234.92	
31		235.28		235.43	236.28		236.56		234.95	234.90		234.91	
Mean	234.57	235.04	235.05	235.44	235.47	236.88	236.54	235.32	234.96	234.90	234.91	234.90	
Max	235.68	235.74	235.28	236.93	237.04	240.53	238.23	236.29	235.04	234.94	234.98	235.09	240.53
Min	234.28	234.84	234.82	234.80	235.08	235.70	235.42	235.00	234.91	234.88	234.84	234.82	234.28
Annual Max Momentary Gage Height	240.70		m. (MSL.) ,			at 18.00 Hours, on Sep 26, 2021							
Zero Gage at Bottom Elevation	234.10		m. (MSL.) ,			River Bed	234.95	m. (MSL.)					
Left Bank Elevation		243.34		m. (MSL.) ,									
Right Bank Elevation		240.18		m. (MSL.) ,		Drainage Are	331	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	2.70	1.42	0.14	2.00	7.88	12.92	8.51	0.46	0.38	0.30	0.18		
2	0.00	1.75	1.30	0.10	1.95	9.68	13.55	6.62	0.42	0.38	0.30	0.18		
3	0.00	1.46	1.30	0.10	1.90	8.33	12.38	5.36	0.42	0.32	0.30	0.18		
4	0.00	1.14	1.22	0.12	1.80	7.52	9.95	4.68	0.42	0.32	0.30	0.16		
5	0.00	0.74	1.10	0.12	1.75	6.53	8.06	3.57	0.46	0.32	0.28	0.16		
6	0.00	0.46	1.10	0.30	1.75	6.35	5.63	2.80	0.50	0.30	0.28	0.16		
7	0.00	0.42	1.10	2.70	1.70	5.27	4.60	2.10	0.44	0.30	0.28	0.16		
8	0.00	0.36	1.07	3.20	1.60	4.92	3.92	1.46	0.44	0.30	0.30	0.16		
9	0.00	0.36	1.01	3.10	1.46	8.69	3.10	1.42	0.42	0.30	0.36	0.16		
10	0.00	0.36	0.95	4.60	1.34	8.87	2.10	1.38	0.42	0.30	0.36	0.14		
11	0.00	0.34	0.95	3.57	1.26	8.33	2.55	1.38	0.38	0.30	0.40	0.14		
12	0.00	0.34	0.89	2.90	1.10	8.60	2.40	1.34	0.34	0.28	0.42	0.14		
13	0.00	0.30	0.89	2.35	1.04	7.88	2.25	1.34	0.34	0.28	0.46	0.14		
14	0.00	0.30	0.83	2.05	1.22	6.35	2.35	1.30	0.32	0.28	0.46	0.14		
15	0.00	0.28	0.74	1.90	1.65	3.50	4.36	1.26	0.32	0.28	0.42	0.16		
16	0.00	0.22	0.71	1.80	1.80	7.16	18.48	1.22	0.48	0.28	0.42	0.38		
17	0.00	0.22	0.65	1.75	2.00	11.84	30.88	1.18	0.46	0.28	0.42	0.40		
18	0.00	0.22	0.62	1.75	2.00	9.23	23.83	1.14	0.44	0.26	0.38	0.42		
19	0.00	0.22	0.53	1.50	1.85	6.89	20.71	1.07	0.40	0.26	0.36	0.42		
20	0.00	0.22	0.53	1.34	1.42	8.60	14.90	0.95	0.40	0.26	0.34	0.42		
21	0.00	0.30	0.44	1.10	1.26	8.51	10.94	0.83	0.40	0.28	0.30	0.46		
22	0.00	0.28	0.38	0.86	1.04	10.04	22.53	0.80	0.38	0.32	0.30	0.46		
23	0.00	0.26	0.30	0.74	0.83	35.68	21.23	0.77	0.36	0.34	0.26	0.48		
24	0.18	0.20	0.24	0.98	0.74	47.52	18.84	0.74	0.38	0.34	0.26	0.77		
25	0.26	0.18	0.20	3.35	1.42	53.82	15.72	0.74	0.62	0.34	0.24	0.71		
26	0.77	0.20	0.18	14.30	1.30	71.80	13.46	0.68	0.50	0.32	0.22	0.53		
27	0.83	0.44	0.18	11.75	1.70	55.08	12.56	0.65	0.46	0.32	0.20	0.46		
28	1.42	3.78	0.14	7.61	15.48	31.52	11.30	0.62	0.42	0.32	0.18	0.40		
29	3.20	2.75	0.14	4.13	13.91	18.12	8.60	0.56	0.40	0.32		0.38		
30	3.40	1.65	0.14	2.75	11.30	13.37	11.48	0.50	0.40	0.30		0.34		
31		1.42		2.15	8.42		10.94		0.40	0.30		0.32		
Total	10.06	23.87	21.25	85.11	89.99	497.88	356.52	56.97	13.00	9.48	9.10	9.71	1182.94	CMSDAY
Mean	0.34	0.77	0.71	2.75	2.90	16.60	11.50	1.90	0.42	0.31	0.33	0.31	3.24	CMS
Max	3.40	3.78	1.42	14.30	15.48	71.80	30.88	8.51	0.62	0.38	0.46	0.77	71.80	CMS
Min	0.00	0.18	0.14	0.10	0.74	3.50	2.10	0.50	0.32	0.26	0.18	0.14	0.00	CMS
Runoff	0.87	2.06	1.84	7.35	7.78	43.02	30.80	4.92	1.12	0.82	0.79	0.84	102.21	MCM
Momentary Peak	75.20 CMS, at 240.70 m. (MSL.), at 18.00 Hours, on Sep 26, 2021													
Runoff Yield	9.79 Liters/Second/Square KM.				Momentary Peak Yield 227.19 Liters/Second/Square KM.									

WATER YEAR : 2021**CHI RIVER BASIN****Lam Chao at Ban Lad Chumphon , Chaiyaphum (E.73A)**

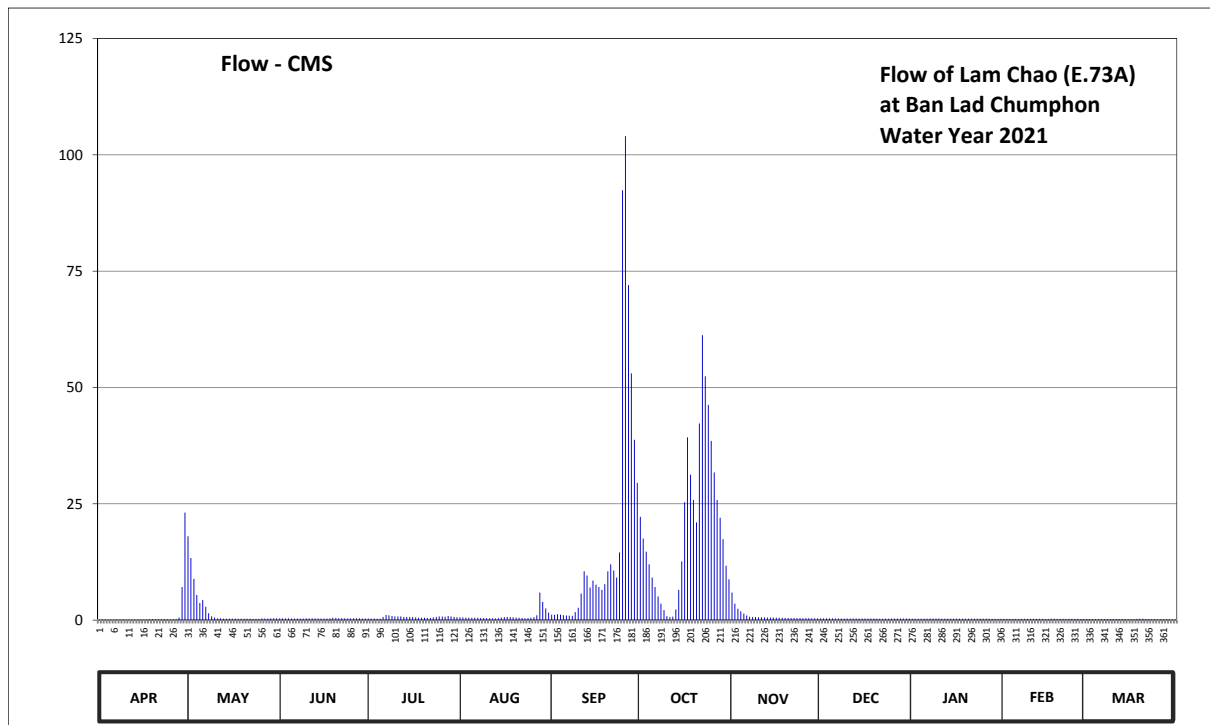
Lat 15 - 55 - 21 N Long 101 - 25 - 29 E

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

	Ban	Lad Chumphon	Amphoe	Phak Di Chumphon	Changwat	Chaiyaphum
Drainage 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 +260.740 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 32 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

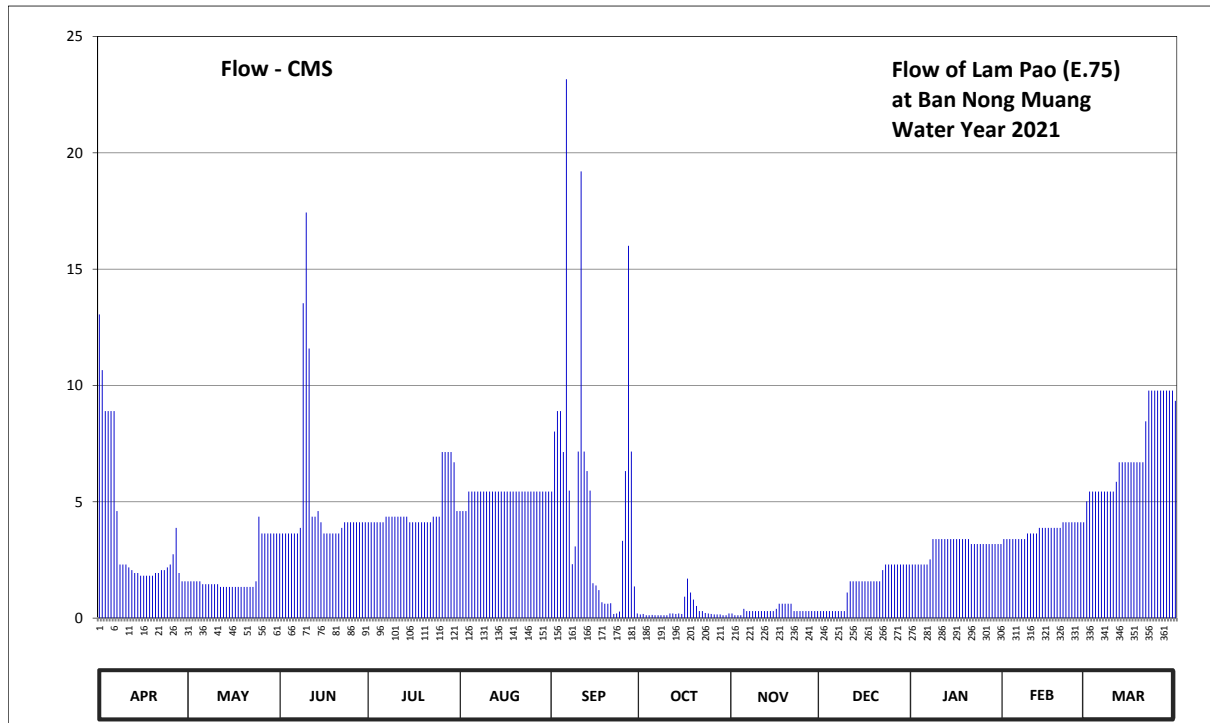
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	257.30	259.60	257.57	257.55	257.70	257.99	259.81	258.74	257.58	257.52	257.48	257.45	
2	257.30	259.29	257.57	257.53	257.69	257.96	259.57	258.47	257.58	257.52	257.48	257.45	
3	257.30	258.99	257.56	257.53	257.67	258.02	259.38	258.29	257.58	257.52	257.48	257.45	
4	257.30	258.69	257.56	257.52	257.66	257.99	259.20	258.17	257.57	257.52	257.47	257.45	
5	257.30	258.49	257.55	257.52	257.65	257.94	259.01	258.05	257.56	257.52	257.47	257.45	
6	257.30	258.57	257.55	257.74	257.65	257.90	258.85	257.90	257.56	257.52	257.47	257.44	
7	257.30	258.37	257.53	257.95	257.64	257.88	258.66	257.76	257.55	257.53	257.47	257.44	
8	257.30	258.07	257.53	257.91	257.63	257.87	258.47	257.74	257.55	257.53	257.47	257.44	
9	257.30	257.81	257.55	257.85	257.62	258.13	258.23	257.72	257.55	257.53	257.47	257.44	
10	257.30	257.68	257.58	257.80	257.61	258.33	257.81	257.70	257.55	257.53	257.46	257.44	
11	257.30	257.59	257.58	257.79	257.60	258.72	257.72	257.70	257.54	257.52	257.46	257.44	
12	257.30	257.56	257.58	257.79	257.58	259.10	257.77	257.69	257.54	257.51	257.46	257.43	
13	257.30	257.52	257.58	257.75	257.57	259.04	258.26	257.68	257.54	257.51	257.46	257.43	
14	257.30	257.51	257.56	257.74	257.61	258.84	258.80	257.68	257.54	257.51	257.46	257.43	
15	257.30	257.51	257.55	257.74	257.67	258.96	259.24	257.67	257.54	257.51	257.45	257.42	
16	257.30	257.51	257.55	257.72	257.73	258.89	259.95	257.66	257.54	257.51	257.45	257.42	
17	257.30	257.51	257.54	257.69	257.75	258.85	260.51	257.65	257.53	257.50	257.49	257.42	
18	257.36	257.50	257.57	257.65	257.73	258.80	260.19	257.65	257.53	257.50	257.49	257.48	
19	257.40	257.50	257.65	257.65	257.70	258.90	259.97	257.64	257.53	257.50	257.48	257.50	
20	257.40	257.50	257.64	257.65	257.68	259.10	259.75	257.63	257.52	257.50	257.48	257.49	
21	257.38	257.50	257.61	257.63	257.65	259.20	260.63	257.63	257.50	257.50	257.47	257.45	
22	257.38	257.50	257.60	257.63	257.63	259.11	261.28	257.63	257.50	257.49	257.47	257.43	
23	257.36	257.48	257.59	257.69	257.60	259.01	261.00	257.62	257.50	257.49	257.47	257.41	
24	257.35	257.48	257.58	257.74	257.62	259.37	260.78	257.62	257.50	257.49	257.46	257.39	
25	257.35	257.48	257.58	257.80	257.65	262.16	260.48	257.60	257.53	257.49	257.46	257.38	
26	257.35	257.56	257.57	257.77	257.71	262.45	260.21	257.60	257.55	257.49	257.46	257.38	
27	257.40	257.54	257.57	257.76	257.92	261.60	259.97	257.60	257.54	257.49	257.45	257.38	
28	257.67	257.53	257.56	257.84	258.74	261.02	259.80	257.59	257.54	257.48	257.45	257.36	
29	258.85	257.59	257.55	257.79	258.52	260.49	259.56	257.58	257.53	257.48		257.36	
30	259.85	257.60	257.55	257.74	258.30	260.12	259.18	257.58	257.53	257.48		257.35	
31		257.58		257.71	258.10		258.98		257.53	257.48		257.35	
Mean	257.47	257.86	257.57	257.72	257.76	259.12	259.45	257.77	257.54	257.51	257.47	257.42	
Max	259.85	259.60	257.65	257.95	258.74	262.45	261.28	258.74	257.58	257.53	257.49	257.50	262.45
Min	257.30	257.48	257.53	257.52	257.57	257.87	257.72	257.58	257.50	257.48	257.45	257.35	257.30
Annual Max Momentary Gage Height	263.15		m. (MSL.) ,			at 18.00 Hours, on Sep 25, 2021							
Zero Gage at Bottom Elevation	257.30		m. (MSL.) ,			River Bed	257.43	m. (MSL.)					
Left Bank Elevation		260.73		m. (MSL.) ,									
Right Bank Elevation		263.66		m. (MSL.) ,		Drainage Are	223	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.10	18.00	0.37	0.35	0.60	1.18	22.22	5.90	0.38	0.32	0.28	0.25	
2	0.10	13.35	0.37	0.33	0.58	1.12	17.55	3.53	0.38	0.32	0.28	0.25	
3	0.10	8.88	0.36	0.33	0.54	1.28	14.70	2.45	0.38	0.32	0.28	0.25	
4	0.10	5.40	0.36	0.32	0.52	1.18	12.00	1.88	0.37	0.32	0.27	0.25	
5	0.10	3.68	0.35	0.32	0.50	1.08	9.15	1.40	0.36	0.32	0.27	0.25	
6	0.10	4.28	0.35	0.68	0.50	1.00	7.13	1.00	0.36	0.32	0.27	0.24	
7	0.10	2.85	0.33	1.10	0.48	0.96	5.10	0.72	0.35	0.33	0.27	0.24	
8	0.10	1.48	0.33	1.02	0.46	0.94	3.53	0.68	0.35	0.33	0.27	0.24	
9	0.10	0.82	0.35	0.90	0.44	1.72	2.15	0.64	0.35	0.33	0.27	0.24	
10	0.10	0.56	0.38	0.80	0.42	2.65	0.82	0.60	0.35	0.33	0.26	0.24	
11	0.10	0.39	0.38	0.78	0.40	5.70	0.64	0.60	0.34	0.32	0.26	0.24	
12	0.10	0.36	0.38	0.78	0.38	10.50	0.74	0.58	0.34	0.31	0.26	0.23	
13	0.10	0.32	0.38	0.70	0.37	9.60	2.30	0.56	0.34	0.31	0.26	0.23	
14	0.10	0.31	0.36	0.68	0.42	7.00	6.50	0.56	0.34	0.31	0.26	0.23	
15	0.10	0.31	0.35	0.68	0.54	8.50	12.60	0.54	0.34	0.31	0.25	0.22	
16	0.10	0.31	0.35	0.64	0.66	7.63	25.35	0.52	0.34	0.31	0.25	0.22	
17	0.10	0.31	0.34	0.58	0.70	7.13	39.25	0.50	0.33	0.30	0.29	0.22	
18	0.16	0.30	0.37	0.50	0.66	6.50	31.25	0.50	0.33	0.30	0.29	0.28	
19	0.20	0.30	0.50	0.50	0.60	7.75	25.81	0.48	0.33	0.30	0.28	0.30	
20	0.20	0.30	0.48	0.50	0.56	10.50	21.00	0.46	0.32	0.30	0.28	0.29	
21	0.18	0.30	0.42	0.46	0.50	12.00	42.25	0.46	0.30	0.30	0.27	0.25	
22	0.18	0.30	0.40	0.46	0.46	10.65	61.22	0.46	0.30	0.29	0.27	0.23	
23	0.16	0.28	0.39	0.58	0.40	9.15	52.40	0.44	0.30	0.29	0.27	0.21	
24	0.15	0.28	0.38	0.68	0.44	14.55	46.24	0.44	0.30	0.29	0.26	0.19	
25	0.15	0.28	0.38	0.80	0.50	92.40	38.50	0.40	0.33	0.29	0.26	0.18	
26	0.15	0.36	0.37	0.74	0.62	104.00	31.75	0.40	0.35	0.29	0.26	0.18	
27	0.20	0.34	0.37	0.72	1.04	72.00	25.81	0.40	0.34	0.29	0.25	0.18	
28	0.54	0.33	0.36	0.88	5.90	53.03	22.00	0.39	0.34	0.28	0.25	0.16	
29	7.13	0.39	0.35	0.78	3.90	38.75	17.40	0.38	0.33	0.28		0.16	
30	23.10	0.40	0.35	0.68	2.50	29.50	11.70	0.38	0.33	0.28		0.15	
31		0.38		0.62	1.60		8.75		0.33	0.28		0.15	
Total	34.20	66.15	11.21	19.89	28.19	529.95	617.81	28.25	10.53	9.47	7.49	6.95	1370.09 CMSDAY
Mean	1.14	2.13	0.37	0.64	0.91	17.67	19.93	0.94	0.34	0.31	0.27	0.22	3.75 CMS
Max	23.10	18.00	0.50	1.10	5.90	104.00	61.22	5.90	0.38	0.33	0.29	0.30	104.00 CMS
Min	0.10	0.28	0.33	0.32	0.37	0.94	0.64	0.38	0.30	0.28	0.25	0.15	0.10 CMS
Runoff	2.95	5.72	0.97	1.72	2.44	45.79	53.38	2.44	0.91	0.82	0.65	0.60	118.38 MCM
Momentary Peak	135.50 CMS, at 263.15 m. (MSL.), at 18.00 Hours, on Sep 25, 2021												
Runoff Yield	16.83	Liters/Second/Square KM.		Momentary Peak Yield		607.62	Liters/Second/Square KM.						

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	137.94	137.59	137.71	137.73	137.75	137.77	137.53	137.55	137.48	137.65	137.70	137.76	
2	137.89	137.59	137.71	137.73	137.75	137.83	137.54	137.51	137.48	137.65	137.70	137.77	
3	137.85	137.59	137.71	137.73	137.75	137.85	137.51	137.51	137.48	137.65	137.70	137.77	
4	137.85	137.59	137.71	137.73	137.77	137.85	137.51	137.51	137.48	137.65	137.70	137.77	
5	137.85	137.59	137.71	137.73	137.77	137.81	137.52	137.49	137.48	137.65	137.70	137.77	
6	137.85	137.58	137.71	137.73	137.77	138.14	137.51	137.48	137.48	137.65	137.70	137.77	
7	137.75	137.58	137.71	137.74	137.77	138.27	137.51	137.48	137.48	137.66	137.70	137.77	
8	137.65	137.58	137.72	137.74	137.77	138.18	137.51	137.48	137.48	137.70	137.70	137.77	
9	137.65	137.58	137.95	137.74	137.77	138.22	137.51	137.48	137.48	137.70	137.71	137.77	
10	137.65	137.58	138.03	137.74	137.77	138.29	137.51	137.48	137.55	137.70	137.71	137.77	
11	137.64	137.58	137.91	137.74	137.77	138.37	137.55	137.48	137.59	137.70	137.71	137.78	
12	137.63	137.57	137.74	137.74	137.77	138.29	137.55	137.48	137.59	137.70	137.71	137.80	
13	137.62	137.57	137.74	137.74	137.77	138.28	137.54	137.48	137.59	137.70	137.72	137.80	
14	137.62	137.57	137.75	137.74	137.77	138.27	137.55	137.48	137.59	137.70	137.72	137.80	
15	137.61	137.57	137.73	137.73	137.77	138.11	137.54	137.48	137.59	137.70	137.72	137.80	
16	137.61	137.57	137.71	137.73	137.77	138.10	137.91	137.49	137.59	137.70	137.72	137.80	
17	137.61	137.57	137.71	137.73	137.77	138.05	138.13	137.51	137.59	137.70	137.72	137.80	
18	137.61	137.57	137.71	137.73	137.77	137.79	138.00	137.51	137.59	137.70	137.72	137.80	
19	137.61	137.57	137.71	137.73	137.77	137.76	137.85	137.51	137.59	137.70	137.72	137.80	
20	137.62	137.57	137.71	137.73	137.77	137.76	137.71	137.51	137.59	137.70	137.72	137.80	
21	137.62	137.57	137.71	137.73	137.77	137.77	137.60	137.51	137.59	137.69	137.73	137.84	
22	137.63	137.57	137.72	137.73	137.77	137.54	137.60	137.48	137.63	137.69	137.73	137.87	
23	137.63	137.57	137.73	137.74	137.77	137.55	137.56	137.48	137.65	137.69	137.73	137.87	
24	137.64	137.59	137.73	137.74	137.77	137.59	137.55	137.48	137.65	137.69	137.73	137.87	
25	137.65	137.74	137.73	137.74	137.77	138.23	137.54	137.48	137.65	137.69	137.73	137.87	
26	137.67	137.71	137.73	137.81	137.77	138.28	137.53	137.48	137.65	137.69	137.73	137.87	
27	137.72	137.71	137.73	137.81	137.77	138.35	137.53	137.48	137.65	137.69	137.73	137.87	
28	137.62	137.71	137.73	137.81	137.77	138.29	137.53	137.48	137.65	137.69	137.73	137.87	
29	137.59	137.71	137.73	137.81	137.77	138.09	137.51	137.48	137.65	137.69		137.87	
30	137.59	137.71	137.73	137.80	137.77	137.55	137.51	137.48	137.65	137.69		137.87	
31		137.71		137.75	137.77		137.55		137.65	137.69		137.86	
Mean	137.68	137.61	137.75	137.75	137.77	138.01	137.60	137.49	137.58	137.69	137.72	137.81	
Max	137.94	137.74	138.03	137.81	137.77	138.37	138.13	137.55	137.65	137.70	137.73	137.87	138.37
Min	137.59	137.57	137.71	137.73	137.75	137.54	137.51	137.48	137.48	137.65	137.70	137.76	137.48
Annual Max Momentary Gage Height	138.52		m. (MSL.) ,		at 23.00 Hours, on Sep 6, 2021								
Zero Gage at Bottom Elevation	137.00		m. (MSL.) ,		River Bed	137.06	m. (MSL.)						
Left Bank Elevation	150.19		m. (MSL.) ,										
Right Bank Elevation	149.84		m. (MSL.) ,		Drainage Are	6,044	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	13.05	1.58	3.64	4.12	4.60	5.44	0.16	0.20	0.30	2.30	3.40	5.02	
2	10.66	1.58	3.64	4.12	4.60	8.02	0.18	0.12	0.30	2.30	3.40	5.44	
3	8.90	1.58	3.64	4.12	4.60	8.90	0.12	0.12	0.30	2.30	3.40	5.44	
4	8.90	1.58	3.64	4.12	5.44	8.90	0.12	0.12	0.30	2.30	3.40	5.44	
5	8.90	1.58	3.64	4.12	5.44	7.14	0.14	0.40	0.30	2.30	3.40	5.44	
6	8.90	1.46	3.64	4.12	5.44	23.16	0.12	0.30	0.30	2.30	3.40	5.44	
7	4.60	1.46	3.64	4.36	5.44	5.48	0.12	0.30	0.30	2.52	3.40	5.44	
8	2.30	1.46	3.88	4.36	5.44	2.32	0.12	0.30	0.30	3.40	3.40	5.44	
9	2.30	1.46	13.53	4.36	5.44	3.08	0.12	0.30	0.30	3.40	3.64	5.44	
10	2.30	1.46	17.43	4.36	5.44	7.16	0.12	0.30	1.10	3.40	3.64	5.44	
11	2.18	1.46	11.59	4.36	5.44	19.20	0.20	0.30	1.58	3.40	3.64	5.86	
12	2.06	1.34	4.36	4.36	5.44	7.16	0.20	0.30	1.58	3.40	3.64	6.70	
13	1.94	1.34	4.36	4.36	5.44	6.32	0.18	0.30	1.58	3.40	3.88	6.70	
14	1.94	1.34	4.60	4.36	5.44	5.48	0.20	0.30	1.58	3.40	3.88	6.70	
15	1.82	1.34	4.12	4.12	5.44	1.50	0.18	0.30	1.58	3.40	3.88	6.70	
16	1.82	1.34	3.64	4.12	5.44	1.40	0.92	0.40	1.58	3.40	3.88	6.70	
17	1.82	1.34	3.64	4.12	5.44	1.20	1.70	0.62	1.58	3.40	3.88	6.70	
18	1.82	1.34	3.64	4.12	5.44	0.68	1.10	0.62	1.58	3.40	3.88	6.70	
19	1.82	1.34	3.64	4.12	5.44	0.62	0.80	0.62	1.58	3.40	3.88	6.70	
20	1.94	1.34	3.64	4.12	5.44	0.62	0.52	0.62	1.58	3.40	3.88	6.70	
21	1.94	1.34	3.64	4.12	5.44	0.64	0.30	0.62	1.58	3.18	4.12	8.46	
22	2.06	1.34	3.88	4.12	5.44	0.18	0.30	0.30	2.06	3.18	4.12	9.78	
23	2.06	1.34	4.12	4.36	5.44	0.20	0.22	0.30	2.30	3.18	4.12	9.78	
24	2.18	1.58	4.12	4.36	5.44	0.28	0.20	0.30	2.30	3.18	4.12	9.78	
25	2.30	4.36	4.12	4.36	5.44	3.32	0.18	0.30	2.30	3.18	4.12	9.78	
26	2.74	3.64	4.12	7.14	5.44	6.32	0.16	0.30	2.30	3.18	4.12	9.78	
27	3.88	3.64	4.12	7.14	5.44	16.00	0.16	0.30	2.30	3.18	4.12	9.78	
28	1.94	3.64	4.12	7.14	5.44	7.16	0.16	0.30	2.30	3.18	4.12	9.78	
29	1.58	3.64	4.12	7.14	5.44	1.36	0.12	0.30	2.30	3.18		9.78	
30	1.58	3.64	4.12	6.70	5.44	0.20	0.12	0.30	2.30	3.18		9.78	
31		3.64		4.60	5.44		0.20		2.30	3.18		9.34	
Total	112.23	60.52	148.03	145.50	166.12	159.44	9.44	10.16	43.94	95.50	105.76	225.96	1282.60 CMSDAY
Mean	3.74	1.95	4.93	4.69	5.36	5.31	0.30	0.34	1.42	3.08	3.78	7.29	3.51 CMS
Max	13.05	4.36	17.43	7.14	5.44	23.16	1.70	0.62	2.30	3.40	4.12	9.78	23.16 CMS
Min	1.58	1.34	3.64	4.12	4.60	0.18	0.12	0.12	0.30	2.30	3.40	5.02	0.12 CMS
Runoff	9.70	5.23	12.79	12.57	14.35	13.78	0.82	0.88	3.80	8.25	9.14	19.52	110.82 MCM
Momentary Peak	45.20	CMS, at 138.52 m. (MSL.), at 23.00 Hours, on Sep 6, 2021											
Runoff Yield	0.58	Liters/Second/Square KM.		Momentary Peak Yield		7.48	Liters/Second/Square KM.						

WATER YEAR : 2021**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
Drainage 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	Overbank flow starts at elevation +169.660 m.(MSL.) record are channel flow only.		
General Description	Records fair. Stage-discharge relation defined by 38 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	163.83	163.90	164.35	164.34	164.55	164.59	165.09	165.02	164.32	164.25	164.22	164.27	
2	163.83	163.90	164.35	164.33	164.49	164.53	165.03	164.95	164.32	164.25	164.22	164.27	
3	163.83	163.90	164.34	164.34	164.47	164.49	164.96	164.89	164.32	164.25	164.22	164.27	
4	163.83	163.89	164.34	164.35	164.44	164.45	165.27	164.84	164.32	164.24	164.23	164.26	
5	163.83	163.89	164.28	164.35	164.35	164.61	165.15	164.77	164.32	164.24	164.23	164.26	
6	163.83	163.89	164.28	164.38	164.33	165.53	165.12	164.68	164.32	164.24	164.23	164.26	
7	163.83	163.89	164.28	164.35	164.33	165.17	165.07	164.42	164.32	164.24	164.24	164.26	
8	163.83	163.89	164.28	164.35	164.31	165.03	164.95	164.51	164.32	164.24	164.24	164.26	
9	163.83	163.88	164.52	164.35	164.32	165.31	164.87	164.47	164.32	164.24	164.24	164.26	
10	163.83	163.88	167.41	164.46	164.31	165.12	164.84	164.39	164.32	164.23	164.23	164.26	
11	163.83	163.87	169.02	164.38	164.30	165.33	165.20	164.39	164.32	164.23	164.23	164.27	
12	163.83	163.87	166.57	164.35	164.31	165.35	165.51	164.41	164.32	164.23	164.24	164.27	
13	163.83	163.87	166.10	164.35	164.32	165.19	165.36	164.35	164.31	164.23	164.25	164.28	
14	163.83	163.86	166.18	164.35	164.32	165.56	166.01	164.38	164.31	164.23	164.26	164.27	
15	163.83	163.86	165.48	164.36	164.45	165.70	168.95	164.32	164.31	164.23	164.27	164.27	
16	163.83	163.85	165.12	164.36	164.45	166.11	166.98	164.34	164.31	164.23	164.26	164.27	
17	163.83	163.85	165.06	164.37	164.50	165.46	166.11	164.35	164.31	164.23	164.25	164.26	
18	163.83	163.84	164.85	164.37	164.46	165.14	165.73	164.34	164.30	164.23	164.25	164.26	
19	163.83	163.82	164.72	164.37	164.32	164.98	165.73	164.32	164.30	164.23	164.24	164.26	
20	163.83	163.82	164.62	164.40	164.33	164.88	165.25	164.32	164.29	164.23	164.24	164.26	
21	163.85	163.81	164.38	164.52	164.53	165.04	165.11	164.32	164.28	164.23	164.25	164.26	
22	163.86	163.80	164.41	164.47	164.54	165.93	165.29	164.32	164.28	164.23	164.26	164.26	
23	163.86	163.79	164.29	164.39	164.40	168.04	165.92	164.32	164.27	164.23	164.27	164.25	
24	163.87	163.83	164.33	164.58	164.33	166.91	165.61	164.32	164.27	164.23	164.27	164.25	
25	163.87	164.53	164.35	166.18	164.31	166.18	165.37	164.32	164.27	164.23	164.25	164.25	
26	163.88	164.86	164.53	166.19	164.31	166.62	165.25	164.32	164.26	164.23	164.23	164.26	
27	163.90	164.95	164.51	165.44	164.32	166.16	165.20	164.31	164.26	164.23	164.25	164.27	
28	163.90	164.76	164.40	165.09	164.32	165.92	165.11	164.32	164.26	164.23	164.26	164.25	
29	163.90	164.47	164.35	164.97	164.54	165.71	165.06	164.32	164.25	164.23		164.25	
30	163.90	164.44	164.34	164.76	164.48	165.14	165.03	164.32	164.25	164.22		164.25	
31		164.36		164.61	164.41		164.94		164.25	164.22		164.26	
Mean	163.85	164.03	164.93	164.60	164.39	165.47	165.45	164.46	164.30	164.23	164.24	164.26	
Max	163.90	164.95	169.02	166.19	164.55	168.04	168.95	165.02	164.32	164.25	164.27	164.28	169.02
Min	163.83	163.79	164.28	164.33	164.30	164.45	164.84	164.31	164.25	164.22	164.22	164.25	163.79
Annual Max Momentary Gage Height	170.05		m. (MSL.) ,			at 06.00 Hours, on Jun 11, 2021							
Zero Gage at Bottom Elevation	163.90		m. (MSL.) ,			River Bed	163.80	m. (MSL)					
Left Bank Elevation		171.59		m. (MSL.) ,									
Right Bank Elevation		169.65		m. (MSL.) ,		Drainage Are	192	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	0.50	0.66	3.42	2.86	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.27	0.42	2.94	2.35	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.21	0.27	2.42	1.95	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.12	0.15	4.93	1.70	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.74	3.90	1.38	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	7.56	3.66	1.02	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	4.06	3.26	0.06	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	2.94	2.35	0.34	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.38	0.00	0.00	5.30	1.85	0.21	0.00	0.00	0.00	0.00	
10	0.00	0.00	32.38	0.18	0.00	3.66	1.70	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	55.92	0.00	0.00	5.50	4.30	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	20.95	0.00	0.00	5.70	7.32	0.03	0.00	0.00	0.00	0.00	
13	0.00	0.00	14.56	0.00	0.00	4.22	5.80	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	15.65	0.00	0.00	7.92	13.34	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	7.00	0.00	0.15	9.60	54.80	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	3.66	0.00	0.15	14.70	26.53	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	3.18	0.00	0.30	6.80	14.70	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	1.75	0.00	0.18	3.82	9.96	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	1.18	0.00	0.00	2.56	9.96	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.78	0.00	0.00	1.90	4.75	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.38	0.42	3.02	3.58	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.03	0.21	0.46	12.36	5.11	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	40.98	12.24	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.62	0.00	25.58	8.52	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.42	0.00	15.65	0.00	15.65	5.90	0.00	0.00	0.00	0.00	0.00	
26	0.00	1.80	0.42	15.78	0.00	21.63	4.75	0.00	0.00	0.00	0.00	0.00	
27	0.00	2.35	0.34	6.60	0.00	15.38	4.30	0.00	0.00	0.00	0.00	0.00	
28	0.00	1.34	0.00	3.42	0.00	12.24	3.58	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.21	0.00	2.49	0.46	9.72	3.18	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.12	0.00	1.34	0.24	3.82	2.94	0.00	0.00	0.00	0.00	0.00	
31		0.00		0.74	0.03		2.28		0.00	0.00		0.00	
Total	0.00	6.24	158.18	47.41	3.49	248.86	238.27	11.90	0.00	0.00	0.00	0.00	714.35
Mean	0.00	0.20	5.27	1.53	0.11	8.30	7.69						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.13	7.36	7.52	1.20	9.50	32.18	80.60	26.73	3.51	2.46	1.41	1.32	
2	0.13	4.78	6.88	1.20	8.70	30.11	60.80	24.65	3.39	2.40	1.35	1.23	
3	0.13	3.45	6.32	1.12	7.87	27.77	55.87	22.46	3.15	2.25	1.32	1.20	
4	0.13	4.78	5.60	1.08	7.36	28.81	49.24	20.15	3.06	2.22	1.32	1.18	
5	0.13	7.12	5.06	1.06	6.80	29.33	39.74	17.80	3.00	2.07	1.26	1.16	
6	0.16	7.20	4.57	2.28	6.40	30.78	31.20	17.00	2.91	1.92	1.23	1.14	
7	0.66	4.78	4.40	2.97	5.84	30.78	27.12	16.10	2.85	1.80	1.23	1.10	
8	0.62	3.36	4.20	3.00	5.28	31.90	25.04	14.70	2.79	1.71	1.18	1.06	
9	0.44	2.79	3.92	3.60	4.71	45.67	24.13	13.40	2.73	1.59	1.16	1.06	
10	0.38	2.52	3.68	5.68	4.45	58.93	24.78	12.20	2.70	1.59	1.12	1.00	
11	0.34	2.37	3.48	4.64	4.20	71.70	23.01	11.60	2.61	1.59	1.08	0.92	
12	0.34	2.31	3.30	4.00	3.80	75.90	24.13	10.90	2.55	1.53	1.04	0.88	
13	0.34	2.25	3.21	3.68	3.51	54.51	35.26	10.50	2.52	1.53	1.00	0.80	
14	0.34	2.25	3.33	6.24	3.36	39.42	37.66	10.10	2.46	1.53	1.00	0.78	
15	0.34	2.25	3.24	6.00	3.42	35.96	46.35	9.50	2.46	1.53	0.98	0.76	
16	0.35	2.25	3.00	4.78	6.96	42.30	73.90	9.00	2.40	1.53	1.04	0.76	
17	0.82	2.22	2.82	7.20	7.52	62.50	179.90	8.32	2.37	1.50	1.38	0.76	
18	0.98	2.16	2.61	12.90	6.40	62.68	158.75	7.78	2.31	1.50	1.38	0.90	
19	2.07	2.10	2.49	12.30	4.99	54.34	118.20	7.12	2.25	1.50	1.38	1.18	
20	2.04	2.13	2.37	9.90	4.35	43.10	88.25	6.72	2.25	1.50	1.35	1.20	
21	1.80	2.67	2.25	7.69	4.30	43.26	65.38	6.64	2.22	1.47	1.35	2.07	
22	1.47	3.06	2.04	6.08	7.12	63.40	77.50	6.64	2.22	1.47	1.35	2.64	
23	1.08	3.12	1.83	6.40	6.80	100.55	82.39	6.32	2.16	1.47	1.32	2.70	
24	1.10	2.64	1.71	10.70	5.76	110.20	60.63	5.76	2.16	1.47	1.32	2.61	
25	1.12	2.46	1.50	16.80	4.92	142.65	40.22	5.28	2.61	1.44	1.29	2.46	
26	1.23	2.31	1.47	49.58	6.24	223.60	30.11	4.71	2.91	1.44	1.29	2.40	
27	2.37	2.49	1.35	41.66	7.36	160.25	26.73	4.10	2.76	1.44	1.32	2.40	
28	4.10	8.50	1.32	32.46	9.30	127.50	24.65	3.84	2.70	1.41	1.32	2.37	
29	9.00	8.60	1.20	24.91	16.50	129.00	27.38	3.76	2.67	1.41		2.34	
30	8.80	8.32	1.20	17.20	21.36	107.80	37.50	3.64	2.64	1.41		2.25	
31		8.05		11.40	36.38		32.88		2.61	1.41		2.19	
Total	42.94	122.65	97.87	319.71	241.46	2096.88	1709.30	327.42	81.93	51.09	34.77	46.82	51

WATER YEAR : 2021**CHI RIVER BASIN****Chi River at Ban Nang Dad Khok , Chaiyaphum (E.84)**

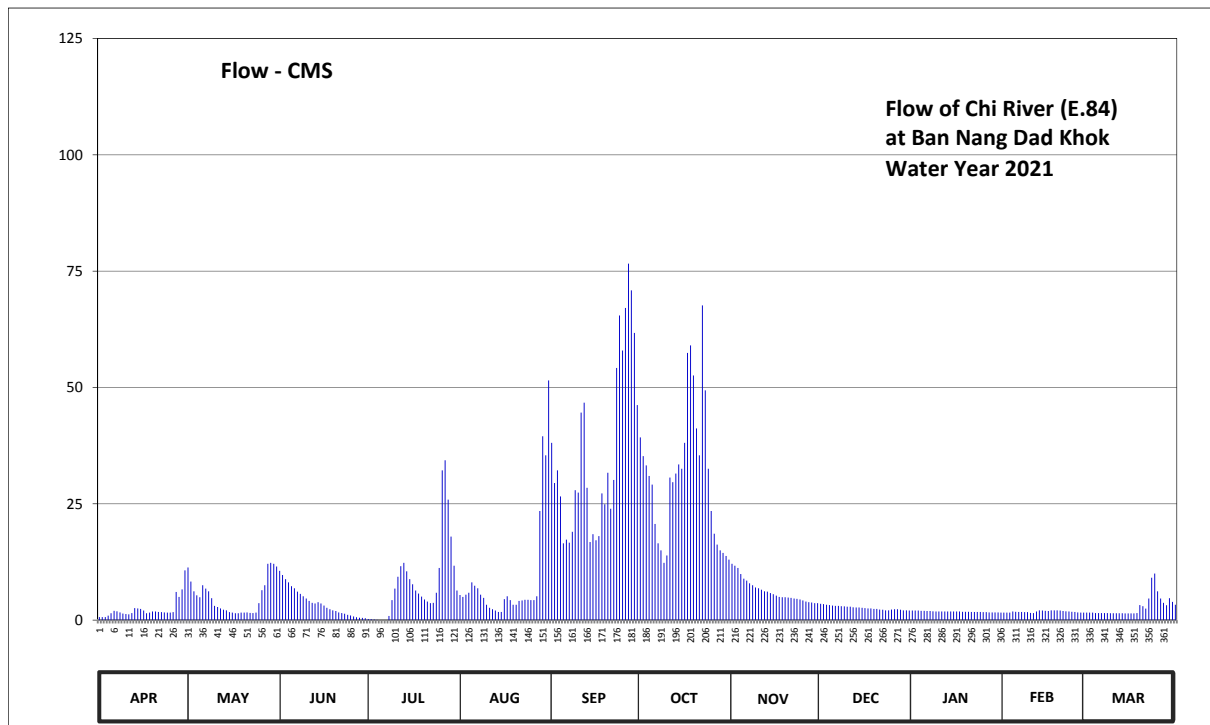
Lat 16 - 09 - 13 N Long 101 - 35 - 00 E

Location : on left bank at Ban Nang Dad Khok.

	Ban	Nang Dad Khok	Amphoe	Nong Bua Daeng	Changwat	Chaiyaphum
Drainge Area	491	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+237.600 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On left bank downstream at the footpath of the bridge.				Elevation	+246.755 m. (MSL.)
Gage Reading Frequency	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 +241.570 m.(MSL.) record are channel flow only.					
General Description	Records fair. Stage-discharge relation defined by 38 discharge measurements made in 2021.					

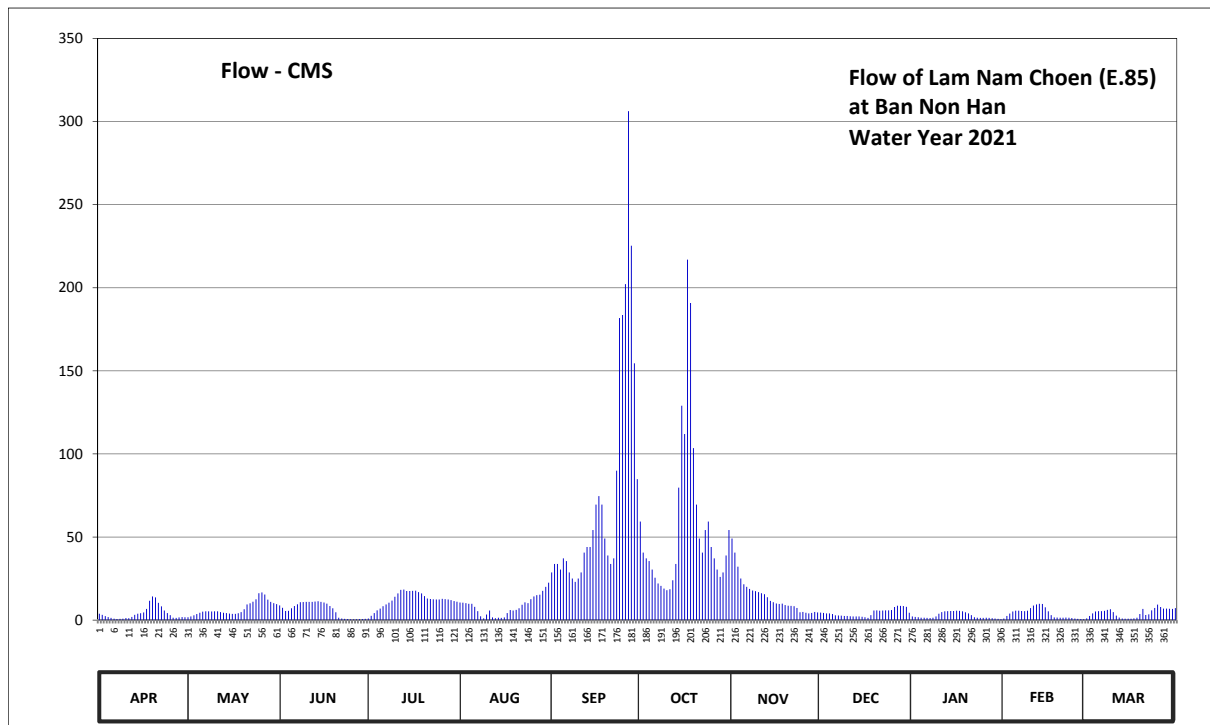
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	239.36	240.83	240.76	239.26	240.20	242.62	242.67	240.91	239.93	239.69	239.60	239.60	
2	239.36	240.53	240.67	239.25	240.14	242.15	242.48	240.87	239.92	239.69	239.60	239.60	
3	239.36	240.30	240.58	239.23	240.21	242.31	242.37	240.82	239.90	239.69	239.60	239.60	
4	239.44	240.19	240.51	239.22	240.26	241.98	242.24	240.69	239.89	239.68	239.65	239.58	
5	239.57	240.13	240.43	239.20	240.51	241.30	242.13	240.59	239.87	239.68	239.64	239.58	
6	239.68	240.45	240.38	239.17	240.44	241.36	241.61	240.55	239.86	239.67	239.63	239.58	
7	239.66	240.37	240.29	239.16	240.38	241.31	241.30	240.49	239.86	239.67	239.63	239.58	
8	239.61	240.30	240.23	239.42	240.21	241.49	241.18	240.45	239.85	239.66	239.62	239.58	
9	239.55	240.10	240.16	240.04	240.11	242.06	240.93	240.40	239.84	239.65	239.62	239.57	
10	239.53	239.86	240.09	240.37	239.90	242.03	241.08	240.38	239.83	239.65	239.59	239.57	
11	239.51	239.82	240.02	240.63	239.79	242.85	242.22	240.34	239.83	239.65	239.58	239.57	
12	239.58	239.77	239.96	240.86	239.74	242.91	242.16	240.30	239.81	239.65	239.65	239.57	
13	239.78	239.72	239.94	240.93	239.69	242.09	242.27	240.29	239.80	239.65	239.70	239.57	
14	239.77	239.70	239.98	240.75	239.63	241.32	242.38	240.25	239.80	239.65	239.69	239.56	
15	239.75	239.62	239.94	240.58	239.63	241.45	242.33	240.22	239.79	239.65	239.68	239.56	
16	239.69	239.60	239.87	240.47	240.07	241.35	242.62	240.18	239.78	239.65	239.67	239.56	
17	239.57	239.57	239.79	240.32	240.16	241.42	243.11	240.14	239.77	239.65	239.70	239.56	
18	239.60	239.57	239.74	240.24	240.04	242.02	243.14	240.13	239.77	239.64	239.70	239.58	
19	239.65	239.60	239.70	240.15	239.90	241.88	243.02	240.13	239.75	239.64	239.70	239.89	
20	239.65	239.60	239.67	240.06	239.90	242.28	242.74	240.12	239.75	239.64	239.69	239.85	
21	239.63	239.61	239.61	240.00	240.02	241.82	242.49	240.11	239.73	239.63	239.67	239.76	
22	239.62	239.59	239.58	239.95	240.03	242.19	243.30	240.09	239.72	239.63	239.66	240.09	
23	239.61	239.58	239.54	239.96	240.05	243.05	242.96	240.08	239.70	239.63	239.65	240.61	
24	239.60	239.60	239.48	240.26	240.05	243.26	242.33	240.06	239.70	239.63	239.64	240.70	
25	239.60	239.95	239.45	240.82	240.04	243.12	241.79	240.03	239.73	239.62	239.63	240.30	
26	239.62	240.33	239.40	242.31	240.04	243.29	241.46	240.00	239.74	239.62	239.61	240.09	
27	240.28	240.45	239.35	242.43	240.16	243.46	241.28	239.98	239.74	239.61	239.60	239.96	
28	240.14	240.91	239.33	241.94	241.79	243.36	241.18	239.97	239.72	239.61	239.60	239.88	
29	240.35	240.93	239.32	241.41	242.68	243.19	241.13	239.95	239.70	239.61		240.10	
30	240.77	240.91	239.30	240.87	242.49	242.90	241.07	239.95	239.70	239.61		239.99	
31		240.85		240.32	243.00		241.00		239.69	239.60		239.90	
Mean	239.70	240.08	239.90	240.31	240.36	242.26	242.06	240.28	239.79	239.65	239.64	239.79	
Max	240.77	240.93	240.76	242.43	243.00	243.46	243.30	240.91	239.93	239.69	239.70	240.70	243.46
Min	239.36	239.57	239.30	239.16	239.63	241.30	240.93	239.95	239.69	239.60	239.58	239.56	239.16
Annual Max Momentary Gage Height	243.50		m. (MSL.) ,				at 06.00 Hours, on Sep 27, 2021						
Zero Gage at Bottom Elevation	237.60		m. (MSL.) ,			River Bed	238.12	m. (MSL.)					
Left Bank Elevation		241.56		m. (MSL.) ,									
Right Bank Elevation		243.99		m. (MSL.) ,		Drainage Are	491	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

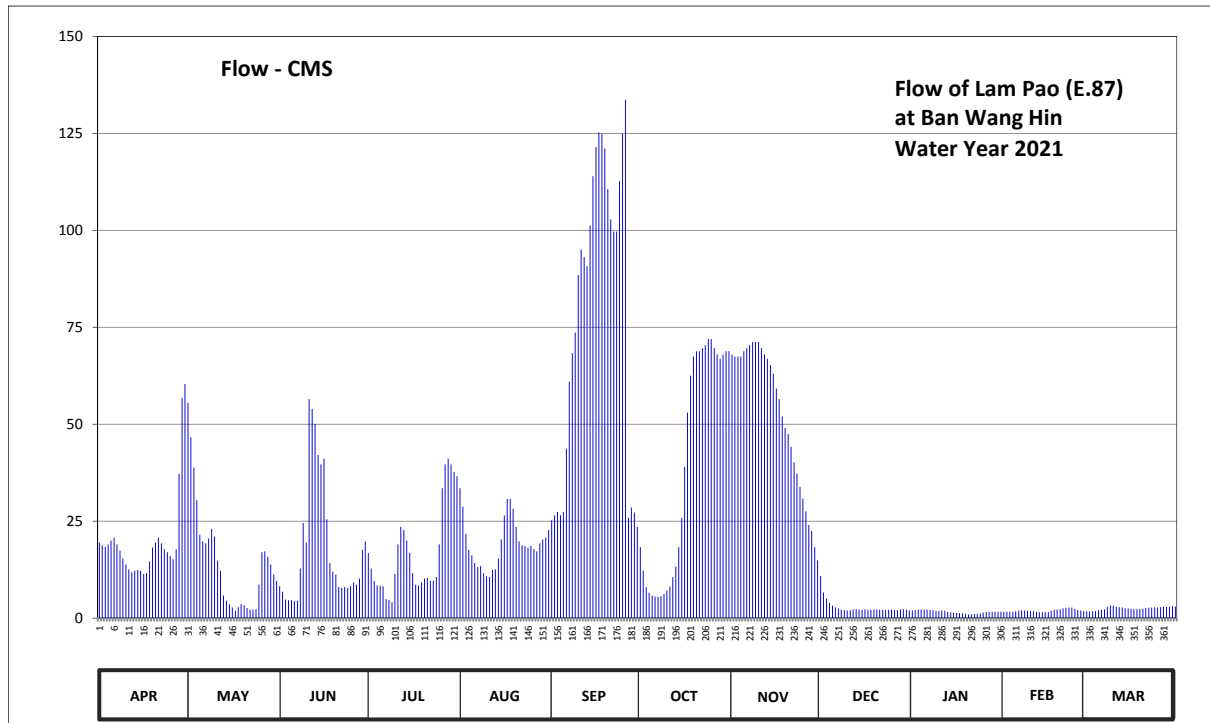
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.64	11.30	10.60	0.24	5.40	38.08	39.28	12.10	3.51	2.05	1.60	1.60		
2	0.64	8.30	9.70	0.20	4.98	29.45	35.24	11.70	3.44	2.05	1.60	1.60		
3	0.64	6.20	8.80	0.12	5.48	32.18	33.26	11.20	3.30	2.05	1.60	1.60		
4	0.96	5.33	8.10	0.08	5.88	26.56	30.98	9.90	3.24	2.00	1.85	1.52		
5	1.48	4.91	7.30	0.00	8.10	16.50	29.11	8.90	3.12	2.00	1.80	1.52		
6	2.00	7.50	6.84	0.00	7.40	17.28	20.65	8.50	3.06	1.95	1.75	1.52		
7	1.90	6.76	6.12	0.00	6.84	16.63	16.50	7.90	3.06	1.95	1.75	1.52		
8	1.65	6.20	5.64	0.88	5.48	18.97	14.98	7.50	3.00	1.90	1.70	1.52		
9	1.40	4.70	5.12	4.28	4.77	27.92	12.30	7.00	2.94	1.85	1.70	1.48		
10	1.32	3.06	4.63	6.76	3.30	27.41	13.88	6.84	2.88	1.85	1.56	1.48		
11	1.24	2.82	4.14	9.30	2.64	44.60	30.64	6.52	2.88	1.85	1.52	1.48		
12	1.52	2.52	3.72	11.60	2.34	46.73	29.62	6.20	2.76	1.85	1.85	1.48		
13	2.58	2.22	3.58	12.30	2.05	28.43	31.49	6.12	2.70	1.85	2.10	1.48		
14	2.52	2.10	3.86	10.50	1.75	16.76	33.44	5.80	2.70	1.85	2.05	1.44		
15	2.40	1.70	3.58	8.80	1.75	18.45	32.54	5.56	2.64	1.85	2.00	1.44		
16	2.05	1.60	3.12	7.70	4.49	17.15	38.08	5.26	2.58	1.85	1.95	1.44		
17	1.48	1.48	2.64	6.36	5.12	18.06	57.41	4.98	2.52	1.85	2.10	1.44		
18	1.60	1.48	2.34	5.72	4.28	27.24	59.03	4.91	2.52	1.80	2.10	1.52		
19	1.85	1.60	2.10	5.05	3.30	24.88	52.58	4.91	2.40	1.80	2.10	3.24		
20	1.85	1.60	1.95	4.42	3.30	31.66	41.20	4.84	2.40	1.80	2.05	3.00		
21	1.75	1.65	1.65	4.00	4.14	23.92	35.42	4.77	2.28	1.75	1.95	2.46		
22	1.70	1.56	1.52	3.65	4.21	30.13	67.63	4.63	2.22	1.75	1.90	4.63		
23	1.65	1.52	1.36	3.72	4.35	54.19	49.38	4.56	2.10	1.75	1.85	9.10		
24	1.60	1.60	1.12	5.88	4.35	65.48	32.54	4.42	2.10	1.75	1.80	10.00		
25	1.60	3.65	1.00	11.20	4.28	57.95	23.44	4.21	2.28	1.70	1.75	6.20		
26	1.70	6.44	0.80	32.18	4.28	67.09	18.58	4.00	2.34	1.70	1.65	4.63		
27	6.04	7.50	0.60	34.34	5.12	76.60	16.24	3.86	2.34	1.65	1.60	3.72		
28	4.98	12.10	0.52	25.88	23.44	70.85	14.98	3.79	2.22	1.65	1.60	3.18		
29	6.60	12.30	0.48	17.93	39.52	61.71	14.43	3.65	2.10	1.65		4.70		
30	10.70	12.10	0.40	11.70	35.42	46.20	13.77	3.65	2.10	1.65		3.93		
31		11.50		6.36	51.50		13.00		2.05	1.60		3.30		
Total	70.04	155.30	113.33	251.15	269.26	1079.06	951.62	188.18	81.78	56.60	50.83	89.17	3356.32	CMSDAY
Mean	2.33	5.01	3.78	8.10	8.69	35.97	30.70	6.27	2.64	1.83	1.82	2.88	9.20	CMS
Max	10.70	12.30	10.60	34.34	51.50	76.60	67.63	12.10	3.51	2.05	2.10	10.00	76.60	CMS
Min	0.64	1.48	0.40	0.00	1.75	16.50	12.30	3.65	2.05	1.60	1.52	1.44	0.00	CMS
Runoff	6.05	13.42	9.79	21.70	23.26	93.23	82.22	16.26	7.07	4.89	4.39	7.70	289.99	MCM
Momentary Peak	79.00	CMS, at 243.50 m. (MSL.), at 06.00 Hours, on Sep 27, 2021												
Runoff Yield	18.73	Liters/Second/Square KM.		Momentary Peak Yield		160.90	Liters/Second/Square KM.							



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.85	1.70	8.85	1.00	10.55	28.70	59.30	49.10	4.55	2.25	1.00	1.10	
2	3.15	2.25	7.40	2.55	10.50	33.80	40.60	40.60	4.30	1.90	2.45	2.45	
3	2.40	2.90	5.50	4.20	10.20	33.80	37.20	32.10	4.05	1.70	3.95	4.05	
4	1.80	3.65	5.55	5.85	9.80	30.40	35.50	25.00	4.05	1.45	5.20	5.15	
5	1.35	4.40	7.10	6.95	9.80	37.20	30.40	21.60	3.65	1.40	5.65	5.40	
6	0.90	5.10	8.50	8.35	8.00	35.50	25.50	20.00	2.90	1.35	5.65	5.35	
7	0.70	5.30	9.50	9.40	5.40	28.70	22.00	18.80	2.75	1.25	5.50	5.60	
8	0.75	5.25	10.80	10.45	2.30	25.00	20.60	17.80	2.65	1.40	5.40	6.15	
9	0.90	5.20	10.90	11.70	1.10	23.00	19.00	17.40	2.45	2.25	5.65	6.55	
10	1.20	5.30	11.00	14.04	3.40	25.00	18.00	16.84	2.45	3.85	7.20	4.80	
11	1.15	5.30	11.00	16.04	5.80	28.70	18.60	16.12	2.30	4.85	8.80	2.70	
12	1.95	4.85	11.00	18.20	1.65	40.60	24.00	15.56	2.20	5.30	9.45	1.55	
13	3.20	4.45	11.15	18.40	1.15	44.00	33.80	13.80	2.25	5.40	9.80	1.00	
14	3.80	4.20	11.40	17.50	1.45	44.00	79.70	11.50	2.25	5.45	9.70	0.85	
15	4.15	3.95	10.95	17.50	1.30	54.20	129.00	10.75	2.05	5.50	7.65	0.85	
16	4.65	3.70	10.60	17.60	1.60	69.50	112.00	10.00	1.75	5.65	5.30	0.85	
17	6.75	3.70	9.90	17.70	4.25	74.60	216.90	9.70	1.35	5.60	3.00	1.05	
18	11.60	4.15	8.45	16.84	6.10	69.50	190.80	9.90	2.95	5.25	1.65	1.45	
19	14.20	4.80	7.10	16.04	5.75	49.10	103.50	9.05	5.75	4.70	1.50	3.65	
20	13.64	6.55	4.70	14.44	6.20	38.90	69.50	8.70	5.85	4.05	1.40	6.70	
21	10.35	9.45	1.45	12.95	7.10	33.80	49.10	8.55	5.70	2.95	1.45	3.10	
22	8.25	10.10	0.95	12.70	9.20	37.20	40.60	8.40	5.75	1.70	1.55	3.50	
23	5.80	11.10	0.75	12.50	10.65	89.90	54.20	7.35	5.90	1.40	1.45	5.85	
24	4.25	12.55	0.65	12.45	10.20	181.80	59.30	4.75	5.90	1.30	1.20	7.35	
25	2.95	16.20	0.50	12.40	12.60	183.60	44.00	4.90	6.05	1.35	0.95	9.30	
26	1.45	16.68	0.50	12.75	14.28	202.20	37.20	4.45	7.85	1.40	0.80	7.85	
27	1.30	15.40	0.50	12.65	15.00	306.20	30.40	4.00	8.65	1.30	0.65	6.90	
28	1.60	12.30	0.60	12.45	15.32	225.30	26.00	4.30	8.60	1.15	0.55	6.95	
29	1.85	11.00	0.70	12.05	17.60	154.50	28.70	4.95	8.50	1.00		6.80	
30	1.70	10.15	0.75	11.45	20.00	84.80	38.90	4.60	8.00	0.75		6.70	
31		9.60		11.05	22.50		54.20		4.45	0.60		7.20	
Total	121.59	221.23	188.70	380.15	260.75	2313.50	1748.50	430.57	137.85	85.45	114.50	138.75	6141.54 CMSDAY
Mean	4.05	7.14	6.29	12.26	8.41	77.12	56.40	14.35	4.45	2.76	4.09	4.48	16.83 CMS
Max	14.20	16.68	11.40	18.40	22.50	306.20	216.90	49.10	8.65	5.65	9.80	9.30	306.20 CMS
Min	0.70	1.70	0.50	1.00	1.10	23.00	18.00	4.00	1.35	0.60	0.55	0.85	0.50 CMS
Runoff	10.51	19.11	16.30	32.84	22.53	199.89	151.07	37.20	11.91	7.38	9.89	11.99	530.63 MCM
Momentary Peak	330.60 CMS, at 230.92 m. (MSL.), at 04.00 Hours, on Sep 27, 2021												
Runoff Yield	14.63	Liters/Second/Square KM.			Momentary Peak Yield			287.48	Liters/Second/Square KM.				

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022														
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	130.72	131.97	130.16	130.59	131.25	130.95	133.89	135.20	133.49	130.97	130.74	130.83	
	2	130.69	131.69	130.09	130.39	131.08	131.00	133.58	135.19	133.16	131.04	130.77	130.83	
	3	130.67	131.44	129.98	130.23	130.81	131.03	133.30	135.19	132.76	131.13	130.76	130.84	
	4	130.70	131.14	129.96	130.17	130.63	131.00	133.15	135.19	132.23	131.11	130.77	130.88	
	5	130.74	130.80	129.96	130.17	130.56	131.03	133.06	135.21	131.81	131.14	130.84	131.01	
	6	130.77	130.73	129.94	130.16	130.46	131.60	133.01	135.22	131.52	131.13	130.96	131.06	
	7	130.70	130.71	129.95	129.99	130.41	132.14	132.98	135.23	131.32	131.10	131.00	131.18	
	8	130.62	130.76	130.39	129.97	130.42	132.37	133.03	135.24	131.13	131.03	130.98	131.57	
	9	130.52	130.86	130.92	129.91	130.33	132.53	133.12	135.24	131.03	130.93	130.94	131.84	
	10	130.44	130.78	130.72	130.32	130.29	132.92	133.21	135.24	130.96	130.88	130.88	131.80	
	11	130.38	130.49	132.00	130.70	130.28	133.09	133.31	135.22	130.97	130.97	130.85	131.60	
	12	130.34	130.36	131.92	130.88	130.37	133.04	133.47	135.20	131.15	130.92	130.77	131.53	
	13	130.36	130.04	131.80	130.85	130.38	132.98	133.64	135.18	131.22	130.73	130.69	131.48	
	14	130.37	129.95	131.55	130.74	130.52	133.25	133.89	135.15	131.12	130.65	130.69	131.38	
	15	130.36	129.86	131.47	130.59	130.75	133.57	134.21	135.11	131.10	130.59	130.70	131.32	
	16	130.32	129.77	131.52	130.33	131.00	133.75	134.60	135.04	131.18	130.55	130.71	131.26	
	17	130.33	129.69	130.96	130.18	131.15	133.84	134.92	134.99	131.10	130.52	130.93	131.21	
	18	130.48	129.78	130.46	130.17	131.15	133.83	135.10	134.90	131.09	130.48	131.09	131.18	
	19	130.66	129.86	130.35	130.21	131.06	133.74	135.19	134.84	131.16	130.41	131.13	131.19	
	20	130.72	129.83	130.31	130.26	130.88	133.49	135.21	134.81	131.19	130.27	131.21	131.27	
	21	130.77	129.76	130.15	130.27	130.73	133.29	135.21	134.73	131.10	130.31	131.33	131.43	
	22	130.71	129.72	130.14	130.23	130.69	133.21	135.22	134.63	131.08	130.37	131.46	131.45	
	23	130.64	129.72	130.15	130.23	130.68	133.21	135.23	134.55	131.05	130.42	131.49	131.48	
	24	130.60	129.73	130.14	130.28	130.66	133.54	135.25	134.45	131.08	130.47	131.47	131.53	
	25	130.55	130.18	130.16	130.70	130.68	133.83	135.25	134.36	131.13	130.61	131.27	131.48	
	26	130.51	130.60	130.21	131.25	130.64	134.04	135.22	134.26	131.07	130.72	131.07	131.57	
	27	130.64	130.61	130.18	131.47	130.61	134.21	135.20	134.14	131.05	130.74	130.95	131.63	
	28	131.38	130.54	130.26	131.52	130.71	134.29	135.18	134.08	131.16	130.76	130.85	131.60	
	29	132.01	130.44	130.63	131.47	130.75	134.25	135.20	133.89	131.20	130.75		131.65	
	30	132.12	130.31	130.73	131.40	130.77	134.12	135.21	133.72	131.13	130.76		131.69	
	31		130.23		131.36	130.85		135.21		130.99	130.76		131.63	
Mean		130.69	130.40	130.57	130.55	130.70	132.97	134.30	134.85	131.38	130.75	130.97	131.37	
Max		132.12	131.97	132.00	131.52	131.25	134.29	135.25	135.24	133.49	131.14	131.49	131.84	135.25
Min		130.32	129.69	129.94	129.91	130.28	130.95	132.98	133.72	130.96	130.27	130.69	130.83	129.69
Annual Max Momentary Gage Height			135.25		m. (MSL.) ,		at 07.00 Hours, on Oct 24, 2021							
Zero Gage at Bottom Elevation			128.90		m. (MSL.) ,		River Bed	129.21		m. (MSL.)				
Left Bank Elevation			139.53		m. (MSL.) ,									
Right Bank Elevation			139.96		m. (MSL.) ,		Drainage Are	7,370	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.50	55.54	8.20	16.80	33.50	25.25	18.30	68.00	10.85	1.96	1.61	1.75	
2	18.80	46.58	6.80	12.80	28.74	26.50	12.20	67.45	6.60	2.06	1.66	1.75	
3	18.40	38.82	4.80	9.60	21.75	27.34	8.00	67.45	5.02	2.20	1.64	1.76	
4	19.00	30.42	4.60	8.40	17.60	26.50	6.50	67.45	3.96	2.17	1.66	1.82	
5	20.00	21.50	4.60	8.40	16.20	27.34	5.80	68.80	3.22	2.21	1.76	2.02	
6	20.75	19.75	4.40	8.20	14.20	43.70	5.55	69.60	2.78	2.20	1.94	2.09	
7	19.00	19.25	4.50	4.90	13.20	60.98	5.46	70.40	2.48	2.15	2.00	2.27	
8	17.40	20.50	12.80	4.70	13.40	68.34	5.65	71.20	2.20	2.05	1.97	2.86	
9	15.40	23.00	24.50	4.10	11.60	73.64	6.20	71.20	2.05	1.90	1.91	3.26	
10	13.80	21.00	19.50	11.40	10.80	88.46	7.10	71.20	1.94	1.82	1.82	3.20	
11	12.60	14.80	56.50	19.00	10.60	95.01	8.15	69.60	1.96	1.96	1.78	2.90	
12	11.80	12.20	53.94	23.50	12.40	93.06	10.55	68.00	2.23	1.88	1.66	2.80	
13	12.20	5.80	50.10	22.75	12.60	90.74	13.30	66.90	2.33	1.60	1.54	2.72	
14	12.40	4.50	42.10	20.00	15.40	101.25	18.30	65.25	2.18	1.48	1.54	2.57	
15	12.20	3.60	39.66	16.80	20.25	113.94	25.83	63.05	2.15	1.39	1.55	2.48	
16	11.40	2.70	41.14	11.60	26.50	121.50	39.00	59.20	2.27	1.33	1.57	2.39	
17	11.60	1.90	25.50	8.60	30.70	125.28	53.00	56.50	2.15	1.28	1.90	2.32	
18	14.60	2.80	14.20	8.40	30.70	124.86	62.50	52.00	2.14	1.22	2.14	2.27	
19	18.20	3.60	12.00	9.20	28.18	121.08	67.45	49.00	2.24	1.12	2.20	2.29	
20	19.50	3.30	11.20	10.20	23.50	110.61	68.80	47.50	2.29	0.91	2.32	2.41	
21	20.75	2.60	8.00	10.40	19.75	102.81	68.80	44.20	2.15	0.97	2.50	2.65	
22	19.25	2.20	7.80	9.60	18.80	99.69	69.60	40.20	2.12	1.06	2.69	2.68	
23	17.80	2.20	8.00	9.60	18.60	99.69	70.40	37.25	2.08	1.13	2.74	2.72	
24	17.00	2.30	7.80	10.60	18.20	112.68	72.00	33.83	2.12	1.21	2.71	2.80	
25	16.00	8.60	8.20	19.00	18.60	124.86	72.00	30.83	2.20	1.42	2.41	2.72	
26	15.20	17.00	9.20	33.50	17.80	133.68	69.60	27.50	2.11	1.58	2.11	2.86	
27	17.80	17.20	8.60	39.66	17.20	25.83	68.00	24.00	2.08	1.61	1.93	2.95	
28	37.14	15.80	10.20	41.14	19.25	28.50	66.90	22.50	2.24	1.64	1.78	2.90	
29	56.82	13.80	17.60	39.66	20.25	27.17	68.00	18.30	2.30	1.63		2.98	
30	60.34	11.20	19.75	37.70	20.75	23.50	68.80	14.90	2.20	1.64		3.04	
31		9.60		36.58	22.75		68.80		1.99	1.64		2.95	
Total	596.65	454.06	546.19	526.79	603.77	2343.79	1210.54	1583.26	86.63	50.42	55.04	79.18	8136.32 CMSDAY
Mean	19.89	14.65	18.21	16.99	19.48	78.13	39.05	52.78	2.79	1.63	1.97	2.55	22.29 CMS
Max	60.34	55.54	56.50	41.14	33.50	133.68	72.00	71.20	10.85	2.21	2.74	3.26	133.68 CMS
Min	11.40	1.90	4.40	4.10	10.60	23.50	5.46	14.90	1.94	0.91	1.54	1.75	0.91 CMS
Runoff	51.55	39.23	47.19	45.51	52.17	202.50	104.59	136.79	7.48	4.36	4.76	6.84	702.98 MCM
Momentary Peak	72.00	CMS, at 135.25 m. (MSL.), at 07.00 Hours, on Oct 24, 2021											
Runoff Yield	3.02	Liters/Second/Square KM.		Momentary Peak Yield		9.77	Liters/Second/Square KM.						

WATER YEAR : 2021**CHI RIVER BASIN****Huai Mun at Ban Khok Sung , Kalasin (E.88)**

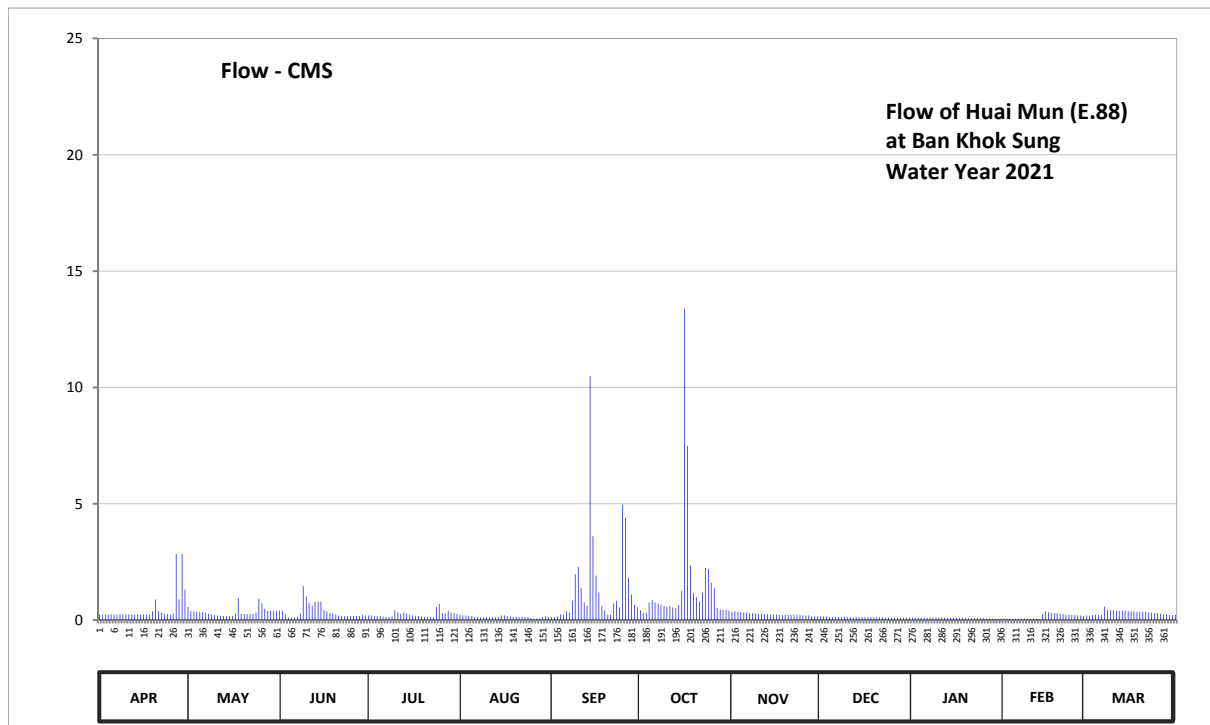
Lat 16 - 49 - 55 N Long 103 - 22 - 10 E

Location : on right bank at Ban Khok Sung.

	Ban Khok Sung	Amphoe Tha Khantho	Changwat Kalasin
Drainage Area	96 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+163.060 m. (MSL.)		
Bench Mark	B.M.- Highways Dept.		
Location BM	On right bank downstream at the footpath of the bridge.	Elevation	+168.204 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings		
Period of Available Gage Records	2004 to date		
Rating Operation			
Period of Rating	2004 to date		
Rated by Flot	-		
Rated by Current Meter	2004 to date		
Stability of Channel Regimes	Stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 34 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	163.32	163.48	163.40	163.30	163.31	163.27	163.41	163.38	163.28	163.25	163.23	163.30	
2	163.32	163.40	163.40	163.30	163.30	163.27	163.35	163.39	163.28	163.25	163.23	163.30	
3	163.32	163.39	163.32	163.29	163.30	163.28	163.36	163.38	163.28	163.25	163.23	163.31	
4	163.32	163.38	163.25	163.29	163.29	163.32	163.58	163.37	163.27	163.25	163.23	163.31	
5	163.32	163.38	163.25	163.29	163.29	163.32	163.62	163.36	163.27	163.25	163.23	163.31	
6	163.32	163.37	163.26	163.28	163.27	163.39	163.58	163.37	163.27	163.25	163.23	163.31	
7	163.32	163.36	163.28	163.27	163.27	163.36	163.55	163.35	163.27	163.25	163.23	163.49	
8	163.32	163.34	163.34	163.26	163.26	163.61	163.53	163.35	163.27	163.25	163.23	163.42	
9	163.32	163.32	163.82	163.28	163.26	163.99	163.50	163.34	163.27	163.25	163.23	163.41	
10	163.32	163.31	163.67	163.41	163.26	164.07	163.48	163.34	163.27	163.25	163.23	163.41	
11	163.32	163.30	163.57	163.37	163.26	163.79	163.50	163.34	163.26	163.25	163.23	163.41	
12	163.32	163.29	163.51	163.33	163.26	163.58	163.47	163.33	163.26	163.25	163.23	163.40	
13	163.32	163.29	163.59	163.36	163.26	163.51	163.46	163.33	163.26	163.25	163.22	163.40	
14	163.32	163.29	163.60	163.34	163.26	165.30	163.52	163.32	163.26	163.25	163.33	163.40	
15	163.32	163.29	163.60	163.31	163.30	164.40	163.75	163.32	163.26	163.25	163.39	163.39	
16	163.32	163.29	163.42	163.30	163.30	163.97	165.51	163.32	163.26	163.25	163.37	163.39	
17	163.32	163.34	163.39	163.29	163.29	163.73	165.02	163.31	163.26	163.25	163.36	163.39	
18	163.32	163.65	163.35	163.29	163.28	163.50	164.09	163.31	163.26	163.25	163.35	163.38	
19	163.39	163.34	163.34	163.28	163.27	163.41	163.72	163.31	163.26	163.24	163.35	163.38	
20	163.63	163.33	163.32	163.27	163.27	163.32	163.66	163.31	163.26	163.24	163.34	163.38	
21	163.40	163.33	163.30	163.27	163.27	163.32	163.60	163.31	163.26	163.24	163.33	163.37	
22	163.36	163.33	163.29	163.26	163.27	163.56	163.73	163.31	163.26	163.24	163.32	163.36	
23	163.34	163.33	163.29	163.26	163.27	163.61	164.06	163.31	163.25	163.24	163.32	163.36	
24	163.33	163.36	163.29	163.48	163.27	163.47	164.05	163.31	163.25	163.24	163.31	163.35	
25	163.32	163.64	163.29	163.55	163.24	164.66	163.87	163.30	163.25	163.24	163.31	163.35	
26	163.34	163.56	163.29	163.35	163.23	164.56	163.79	163.30	163.25	163.23	163.30	163.34	
27	164.21	163.44	163.29	163.34	163.23	163.94	163.46	163.30	163.25	163.23	163.30	163.33	
28	163.63	163.40	163.29	163.40	163.23	163.70	163.43	163.28	163.25	163.23	163.29	163.32	
29	164.21	163.40	163.31	163.36	163.26	163.53	163.42	163.28	163.25	163.23		163.31	
30	163.77	163.40	163.30	163.35	163.29	163.47	163.42	163.28	163.25	163.23		163.31	
31		163.40		163.33	163.27		163.40		163.25	163.23		163.31	
Mean	163.42	163.38	163.39	163.32	163.27	163.71	163.71	163.33	163.26	163.24	163.28	163.36	
Max	164.21	163.65	163.82	163.55	163.31	165.30	165.51	163.39	163.28	163.25	163.39	163.49	165.51
Min	163.32	163.29	163.25	163.26	163.23	163.27	163.35	163.28	163.25	163.23	163.22	163.30	163.22
Annual Max Momentary Gage Height	166.46		m. (MSL.) ,			at 09.00 Hours, on Sep 14, 2021							
Zero Gage at Bottom Elevation	163.06		m. (MSL.) ,			River Bed	163.00	m. (MSL)					
Left Bank Elevation		167.52		m. (MSL.) ,									
Right Bank Elevation		167.82		m. (MSL.) ,		Drainage Are	96	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.24	0.56	0.40	0.20	0.22	0.14	0.42	0.36	0.16	0.10	0.06	0.20		
2	0.24	0.40	0.40	0.20	0.20	0.14	0.30	0.38	0.16	0.10	0.06	0.20		
3	0.24	0.38	0.24	0.18	0.20	0.16	0.32	0.36	0.16	0.10	0.06	0.22		
4	0.24	0.36	0.10	0.18	0.18	0.24	0.76	0.34	0.14	0.10	0.06	0.22		
5	0.24	0.36	0.10	0.18	0.18	0.24	0.86	0.32	0.14	0.10	0.06	0.22		
6	0.24	0.34	0.12	0.16	0.14	0.38	0.76	0.34	0.14	0.10	0.06	0.22		
7	0.24	0.32	0.16	0.14	0.14	0.32	0.70	0.30	0.14	0.10	0.06	0.58		
8	0.24	0.28	0.28	0.12	0.12	0.83	0.66	0.30	0.14	0.10	0.06	0.44		
9	0.24	0.24	1.46	0.16	0.12	1.97	0.60	0.28	0.14	0.10	0.06	0.42		
10	0.24	0.22	1.01	0.42	0.12	2.28	0.56	0.28	0.14	0.10	0.06	0.42		
11	0.24	0.20	0.74	0.34	0.12	1.37	0.60	0.28	0.12	0.10	0.06	0.42		
12	0.24	0.18	0.62	0.26	0.12	0.76	0.54	0.26	0.12	0.10	0.06	0.40		
13	0.24	0.18	0.78	0.32	0.12	0.62	0.52	0.26	0.12	0.10	0.04	0.40		
14	0.24	0.18	0.80	0.28	0.12	10.50	0.64	0.24	0.12	0.10	0.26	0.40		
15	0.24	0.18	0.80	0.22	0.20	3.60	1.25	0.24	0.12	0.10	0.38	0.38		
16	0.24	0.18	0.44	0.20	0.20	1.91	13.38	0.24	0.12	0.10	0.34	0.38		
17	0.24	0.28	0.38	0.18	0.18	1.19	7.48	0.22	0.12	0.10	0.32	0.38		
18	0.24	0.95	0.30	0.18	0.16	0.60	2.36	0.22	0.12	0.10	0.30	0.36		
19	0.38	0.28	0.28	0.16	0.14	0.42	1.16	0.22	0.12	0.08	0.30	0.36		
20	0.89	0.26	0.24	0.14	0.14	0.24	0.98	0.22	0.12	0.08	0.28	0.36		
21	0.40	0.26	0.20	0.14	0.14	0.24	0.80	0.22	0.12	0.08	0.26	0.34		
22	0.32	0.26	0.18	0.12	0.14	0.72	1.19	0.22	0.12	0.08	0.24	0.32		
23	0.28	0.26	0.18	0.12	0.14	0.83	2.24	0.22	0.10	0.08	0.24	0.32		
24	0.26	0.32	0.18	0.56	0.14	0.54	2.20	0.22	0.10	0.08	0.22	0.30		
25	0.24	0.92	0.18	0.70	0.08	4.96	1.61	0.20	0.10	0.08	0.22	0.30		
26	0.28	0.72	0.18	0.30	0.06	4.40	1.37	0.20	0.10	0.06	0.20	0.28		
27	2.84	0.48	0.18	0.28	0.06	1.82	0.52	0.20	0.10	0.06	0.20	0.26		
28	0.89	0.40	0.18	0.40	0.06	1.10	0.46	0.16	0.10	0.06	0.18	0.24		
29	2.84	0.40	0.22	0.32	0.12	0.66	0.44	0.16	0.10	0.06	0.22	0.22		
30	1.31	0.40	0.20	0.30	0.18	0.54	0.44	0.16	0.10	0.06	0.22	0.22		
31		0.40		0.26	0.14		0.40		0.10	0.06	0.22	0.22		
Total	15.25	11.15	11.53	7.72	4.38	43.72	46.52	7.62	3.80	2.72	4.70	10.00	169.11	CMSDAY
Mean	0.51	0.36	0.38	0.25	0.14	1.46	1.50	0.25	0.12	0.09	0.17	0.32	0.46	CMS
Max	2.84	0.95	1.46	0.70	0.22	10.50	13.38	0.38	0.16	0.10	0.38	0.58	13.38	CMS
Min	0.24	0.18	0.10	0.12	0.06	0.14	0.30	0.16	0.10	0.06	0.04	0.20	0.04	CMS
Runoff	1.32	0.96	1.00	0.67	0.38	3.78	4.02	0.66	0.33	0.24	0.41	0.86	14.61	MCM
Momentary Peak	47.60 CMS, at 166.46 m. (MSL), at 09.00 Hours, on Sep 14, 2021													
Runoff Yield	4.83	Liters/Second/Square KM.				Momentary Peak Yield 495.83				Liters/Second/Square KM.				

WATER YEAR : 2021**CHI RIVER BASIN****Lam Nong Sang at Ban Nong Rew Nung , Kalasin (E.89)**

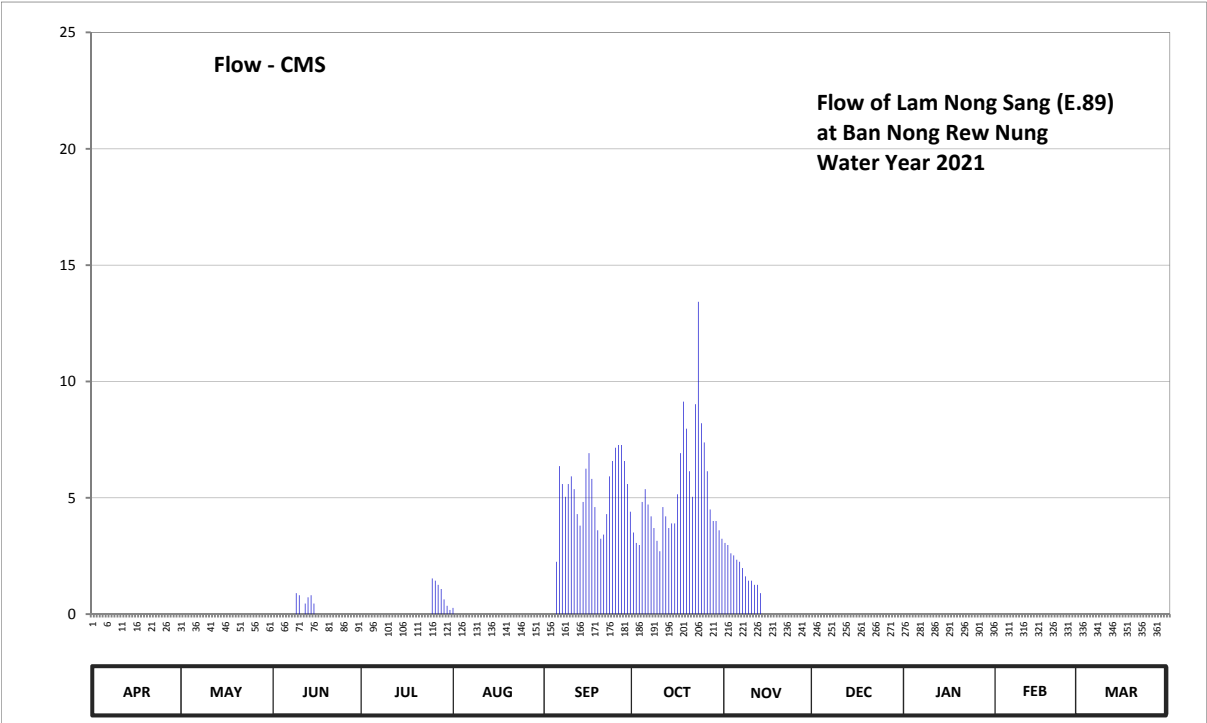
Lat 16 - 40 - 04 N Long 103 - 18 - 16 E

Location : on left bank at Ban Nong Rew Nung.

	Ban	Nong Rew Nung	Amphoe	Nong Kung Si	Changwat	Kalasin
Drainage Area	168	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+170.600 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On left bank upstream at the footpath of the bridge.				Elevation	+176.238 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings					
Period of Available Gage Records	2004 to date					
Rating Operation						
Period of Rating	2004 to date					
Rated by Flot	-					
Rated by Current Meter	2004 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 35 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

		Gage Height in Meter (MSL) Water Year April 1, 2021 to March 31, 2022											
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	171.82	171.96	171.88	171.84	172.23	171.94	172.59	172.54	171.88	171.86	171.86	171.84	
2	171.82	171.89	171.88	171.84	172.15	171.91	172.54	172.53	171.88	171.86	171.87	171.83	
3	171.83	171.86	171.90	171.83	172.13	171.90	172.53	172.49	171.88	171.86	171.87	171.83	
4	171.83	171.84	171.91	171.83	172.13	171.90	172.72	172.48	171.88	171.86	171.87	171.82	
5	171.83	171.84	172.06	171.83	172.10	172.45	172.77	172.46	171.88	171.86	171.87	171.81	
6	171.83	171.84	171.98	171.83	171.98	172.86	172.71	172.45	171.88	171.86	171.86	171.81	
7	171.83	171.83	172.00	171.85	171.93	172.79	172.66	172.42	171.88	171.86	171.86	171.81	
8	171.83	171.83	172.01	171.86	171.89	172.74	172.61	172.38	171.88	171.86	171.84	171.79	
9	171.83	171.83	172.30	171.88	171.85	172.79	172.55	172.36	171.88	171.86	171.83	171.79	
10	171.83	171.83	172.29	171.94	171.84	172.82	172.50	172.36	171.87	171.86	171.82	171.78	
11	171.83	171.83	172.19	171.90	171.83	172.77	172.70	172.34	171.87	171.86	171.81	171.77	
12	171.83	171.83	172.25	171.89	171.83	172.67	172.66	172.34	171.87	171.86	171.80	171.76	
13	171.83	171.83	172.28	171.88	171.83	172.62	172.61	172.30	171.87	171.86	171.81	171.75	
14	171.83	171.83	172.29	171.88	171.83	172.72	172.63	172.20	171.87	171.86	171.82	171.76	
15	171.83	171.83	172.25	171.88	171.83	172.85	172.63	172.19	171.87	171.86	171.84	171.76	
16	171.85	171.83	172.13	171.87	171.83	172.91	172.75	172.19	171.87	171.86	171.86	171.78	
17	171.85	171.83	172.09	171.86	171.83	172.81	172.91	172.08	171.87	171.86	171.87	171.79	
18	171.85	171.83	172.02	171.85	171.83	172.70	173.10	172.05	171.87	171.86	171.88	171.80	
19	171.85	171.83	171.99	171.84	171.83	172.60	173.00	172.04	171.87	171.86	171.89	171.81	
20	171.85	171.83	171.92	171.84	171.83	172.56	172.84	172.02	171.87	171.86	171.89	171.82	
21	171.85	171.83	171.88	171.84	171.83	172.58	172.74	172.05	171.87	171.86	171.88	171.83	
22	171.85	171.83	171.87	171.83	171.83	172.67	173.09	171.97	171.87	171.86	171.88	171.83	
23	171.85	171.83	171.86	171.83	171.85	172.82	173.44	171.92	171.87	171.86	171.87	171.84	
24	171.85	171.85	171.86	172.07	171.87	172.88	173.02	171.89	171.87	171.86	171.87	171.84	
25	171.85	172.01	171.85	172.37	171.87	172.93	172.95	171.88	171.87	171.86	171.87	171.85	
26	171.86	172.01	171.85	172.36	171.87	172.94	172.84	171.95	171.87	171.86	171.86	171.85	
27	171.94	172.01	171.85	172.34	171.87	172.94	172.69	171.90	171.87	171.86	171.84	171.86	
28	171.92	171.98	171.85	172.32	171.87	172.88	172.64	171.89	171.87	171.86	171.84	171.87	
29	171.92	171.94	171.84	172.27	171.87	172.79	172.64	171.89	171.86	171.86		171.87	
30	171.98	171.92	171.84	172.24	172.06	172.68	172.60	171.89	171.86	171.86		171.86	
31		171.89		172.22	172.02		172.56		171.86	171.86		171.85	
Mean	171.85	171.87	172.01	171.96	171.91	172.65	172.75	172.18	171.87	171.86	171.85	171.81	
Max	171.98	172.01	172.30	172.37	172.23	172.94	173.44	172.54	171.88	171.86	171.89	171.87	173.44
Min	171.82	171.83	171.84	171.83	171.83	171.90	172.50	171.88	171.86	171.86	171.80	171.75	171.75
Annual Max Momentary Gage Height	173.64	m. (MSL.) ,		at 02.00 Hours, on Oct 23, 2021									
Zero Gage at Bottom Elevation	170.60	m. (MSL.) ,		River Bed		171.98	m. (MSL)						
Left Bank Elevation		176.32	m. (MSL.) ,										
Right Bank Elevation		176.34	m. (MSL.) ,		Drainage Are	168	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.00	0.00	0.27	0.00	3.51	3.06	0.00	0.00	0.00	0.00		
2	0.00	0.00	0.00	0.00	0.00	0.00	3.06	2.97	0.00	0.00	0.00	0.00		
3	0.00	0.00	0.00	0.00	0.00	0.00	2.97	2.61	0.00	0.00	0.00	0.00		
4	0.00	0.00	0.00	0.00	0.00	0.00	4.82	2.52	0.00	0.00	0.00	0.00		
5	0.00	0.00	0.00	0.00	0.00	2.25	5.37	2.34	0.00	0.00	0.00	0.00		
6	0.00	0.00	0.00	0.00	0.00	6.36	4.71	2.25	0.00	0.00	0.00	0.00		
7	0.00	0.00	0.00	0.00	0.00	5.59	4.20	1.98	0.00	0.00	0.00	0.00		
8	0.00	0.00	0.00	0.00	0.00	5.04	3.70	1.62	0.00	0.00	0.00	0.00		
9	0.00	0.00	0.90	0.00	0.00	5.59	3.15	1.44	0.00	0.00	0.00	0.00		
10	0.00	0.00	0.81	0.00	0.00	5.92	2.70	1.44	0.00	0.00	0.00	0.00		
11	0.00	0.00	0.00	0.00	0.00	5.37	4.60	1.26	0.00	0.00	0.00	0.00		
12	0.00	0.00	0.45	0.00	0.00	4.30	4.20	1.26	0.00	0.00	0.00	0.00		
13	0.00	0.00	0.72	0.00	0.00	3.80	3.70	0.90	0.00	0.00	0.00	0.00		
14	0.00	0.00	0.81	0.00	0.00	4.82	3.90	0.00	0.00	0.00	0.00	0.00		
15	0.00	0.00	0.45	0.00	0.00	6.25	3.90	0.00	0.00	0.00	0.00	0.00		
16	0.00	0.00	0.00	0.00	0.00	6.92	5.15	0.00	0.00	0.00	0.00	0.00		
17	0.00	0.00	0.00	0.00	0.00	5.81	6.92	0.00	0.00	0.00	0.00	0.00		
18	0.00	0.00	0.00	0.00	0.00	4.60	9.13	0.00	0.00	0.00	0.00	0.00		
19	0.00	0.00	0.00	0.00	0.00	3.60	7.97	0.00	0.00	0.00	0.00	0.00		
20	0.00	0.00	0.00	0.00	0.00	3.24	6.14	0.00	0.00	0.00	0.00	0.00		
21	0.00	0.00	0.00	0.00	0.00	3.42	5.04	0.00	0.00	0.00	0.00	0.00		
22	0.00	0.00	0.00	0.00	0.00	4.30	9.02	0.00	0.00	0.00	0.00	0.00		
23	0.00	0.00	0.00	0.00	0.00	5.92	13.42	0.00	0.00	0.00	0.00	0.00		
24	0.00	0.00	0.00	0.00	0.00	6.58	8.20	0.00	0.00	0.00	0.00	0.00		
25	0.00	0.00	0.00	1.53	0.00	7.15	7.38	0.00	0.00	0.00	0.00	0.00		
26	0.00	0.00	0.00	1.44	0.00	7.27	6.14	0.00	0.00	0.00	0.00	0.00		
27	0.00	0.00	0.00	1.26	0.00	7.27	4.50	0.00	0.00	0.00	0.00	0.00		
28	0.00	0.00	0.00	1.08	0.00	6.58	4.00	0.00	0.00	0.00	0.00	0.00		
29	0.00	0.00	0.00	0.63	0.00	5.59	4.00	0.00	0.00	0.00	0.00	0.00		
30	0.00	0.00	0.00	0.36	0.00	4.40	3.60	0.00	0.00	0.00		0.00		
31		0.00		0.18	0.00		3.24		0.00	0.00		0.00		
Total	0.00	0.00	4.14	6.48	0.27	137.94	162.34	25.65	0.00	0.00	0.00	0.00	336.82	CMSDAY
Mean	0.00	0.00	0.14	0.21	0.01	4.60	5.24	0.86	0.00	0.00	0.00	0.00	0.92	CMS
Max	0.00	0.00	0.90	1.53	0.27	7.27	13.42	3.06	0.00	0.00	0.00	0.00	13.42	CMS
Min	0.00	0.00	0.00	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00	0.00	0.00	CMS
Runoff	0.00	0.00	0.36	0.56	0.02	11.92	14.03	2.22	0.00	0.00	0.00	0.00	29.10	MCM
Momentary Peak	16.02	CMS, at 173.64 m. (MSL), at 02.00 Hours, on Oct 23, 2021												
Runoff Yield	5.49	Liters/Second/Square KM.				Momentary Peak Yield		95.36	Liters/Second/Square KM.					

WATER YEAR : 2021**CHI RIVER BASIN****Huai Sang Kiab at Ban Nong Yang Tai , Kalasin (E.90)**

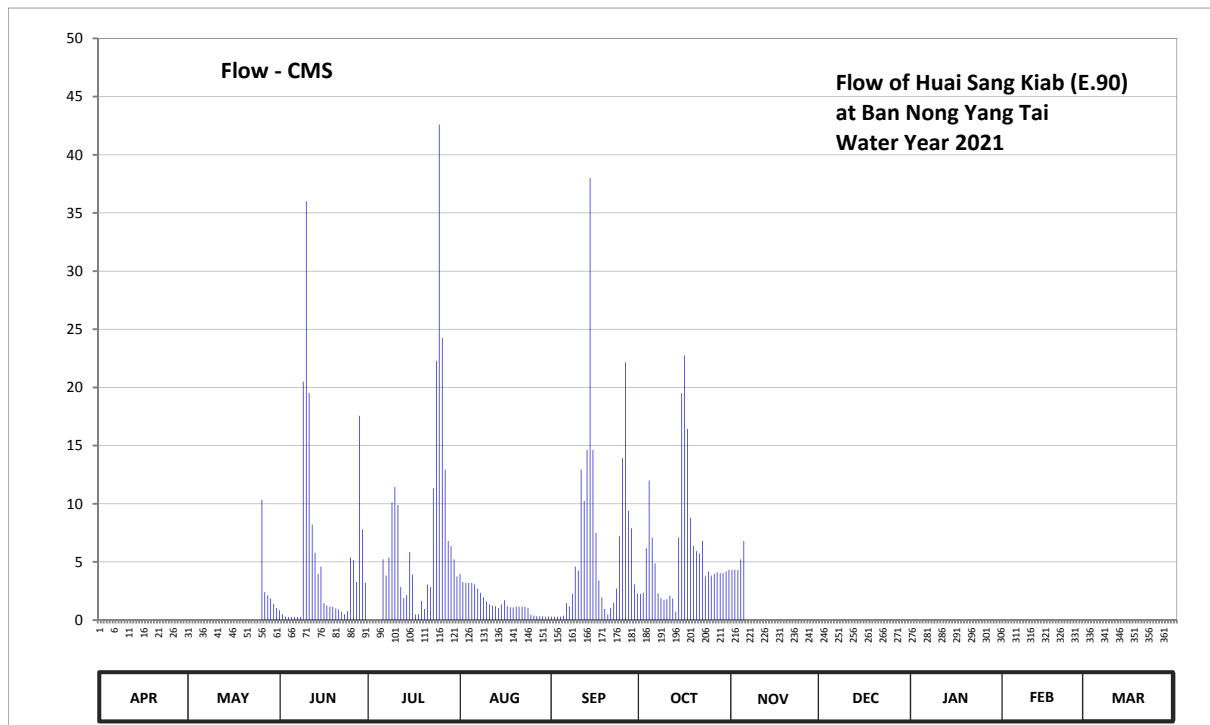
Lat 16 - 46 - 27 N Long 103 - 38 - 40 E

Location : on right bank at Ban Nong Yang Tai.

	Ban	Nong Yang Tai	Amphoe	Kham Muang	Changwat	Kalasin
Drainge Area	181	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+160.600 m. (MSL.)					
Bench Mark	B.M.- Highways Dept.					
Location BM	On right bank upstream at the footpath of the bridge.				Elevation	+167.096 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings					
Period of Available Gage Records	2004 to date					
Rating Operation						
Period of Rating	2004 to date					
Rated by Flot	-					
Rated by Current Meter	2004 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 38 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	160.18	160.60	160.86	160.41	161.41	160.70	161.15	161.46	161.72	161.52	161.06	160.50	
2	160.19	160.60	160.77	160.31	161.31	160.70	161.17	161.46	161.71	161.52	161.05	160.50	
3	160.19	160.60	160.70	160.23	161.30	160.70	161.72	161.46	161.70	161.51	161.03	160.51	
4	160.19	160.59	160.69	160.23	161.30	160.70	162.29	161.59	161.69	161.51	161.02	160.51	
5	160.19	160.58	160.69	160.22	161.30	160.73	161.82	161.79	161.68	161.51	160.99	160.51	
6	160.20	160.56	160.69	161.59	161.28	160.99	161.54	161.80	161.68	161.50	160.95	160.51	
7	160.20	160.55	160.69	161.39	161.23	160.94	161.16	161.79	161.68	161.49	160.91	160.52	
8	160.20	160.54	160.69	161.61	161.17	161.15	161.08	161.79	161.67	161.48	160.86	160.52	
9	160.20	160.53	162.90	162.12	161.09	161.50	161.05	161.82	161.66	161.48	160.82	160.52	
10	160.20	160.52	163.84	162.24	161.02	161.45	161.06	161.82	161.65	161.48	160.78	160.52	
11	160.21	160.52	162.83	162.10	160.97	162.36	161.12	161.82	161.65	161.47	160.74	160.52	
12	160.21	160.51	161.93	161.25	160.95	162.13	161.07	161.82	161.64	161.46	160.70	160.52	
13	160.21	160.51	161.67	161.08	160.94	162.48	160.83	161.82	161.63	161.44	160.67	160.53	
14	160.21	160.51	161.41	161.13	160.91	163.94	161.82	161.82	161.63	161.42	160.66	160.53	
15	160.21	160.51	161.50	161.68	160.97	162.48	162.83	161.82	161.63	161.40	160.65	160.53	
16	160.23	160.50	160.99	161.40	161.04	161.86	163.05	161.82	161.63	161.38	160.62	160.53	
17	160.23	160.50	160.95	160.76	160.94	161.33	162.61	161.80	161.62	161.35	160.60	160.53	
18	160.23	160.50	160.93	160.77	160.92	161.09	161.99	161.80	161.61	161.33	160.58	160.54	
19	160.23	160.48	160.93	161.03	160.92	160.89	161.74	161.80	161.61	161.30	160.55	160.54	
20	160.23	160.47	160.90	160.89	160.93	160.77	161.69	161.80	161.61	161.29	160.54	160.54	
21	160.27	160.46	160.88	161.28	160.93	160.91	161.66	161.80	161.60	161.28	160.53	160.54	
22	160.35	160.44	160.83	161.25	160.93	161.00	161.79	161.79	161.60	161.26	160.53	160.54	
23	160.35	160.43	160.77	162.23	160.93	161.23	161.38	161.79	161.59	161.24	160.52	160.54	
24	160.35	160.47	160.84	163.02	160.91	161.83	161.44	161.78	161.59	161.21	160.52	160.54	
25	160.36	161.31	161.61	164.17	160.75	162.43	161.39	161.77	161.58	161.17	160.51	160.54	
26	160.37	162.14	161.58	163.15	160.73	163.01	161.41	161.76	161.57	161.14	160.51	160.55	
27	160.49	161.18	161.31	162.36	160.71	162.05	161.43	161.75	161.56	161.11	160.50	160.55	
28	160.52	161.13	162.69	161.79	160.71	161.90	161.42	161.74	161.55	161.11	160.50	160.55	
29	160.56	161.07	161.89	161.74	160.71	161.28	161.42	161.74	161.55	161.09		160.55	
30	160.59	160.98	161.30	161.59	160.70	161.16	161.44	161.73	161.54	161.07		160.55	
31		160.91		161.38	160.70		161.46		161.52	161.06		160.55	
Mean	160.28	160.68	161.34	161.50	160.99	161.52	161.58	161.75	161.62	161.34	160.71	160.53	
Max	160.59	162.14	163.84	164.17	161.41	163.94	163.05	161.82	161.72	161.52	161.06	160.55	164.17
Min	160.18	160.43	160.69	160.22	160.70	160.70	160.83	161.46	161.52	161.06	160.50	160.50	160.18
Annual Max Momentary Gage Height	165.13	m. (MSL.) ,		at 16.00 Hours, on Jul 25, 2021									
Zero Gage at Bottom Elevation	160.60	m. (MSL.) ,		River Bed	160.25	m. (MSL)							
Left Bank Elevation	167.04	m. (MSL.) ,											
Right Bank Elevation	166.36	m. (MSL.) ,		Drainage Are	181	Square Kilometers							



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.84	0.00	3.97	0.30	2.25	4.32	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.51	0.00	3.27	0.30	2.35	4.32	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.30	0.00	3.20	0.30	6.18	4.32	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.27	0.00	3.20	0.30	11.99	5.23	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.27	0.00	3.20	0.39	7.10	6.81	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.27	5.23	3.06	1.45	4.88	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.27	3.83	2.71	1.20	2.30	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.27	5.37	2.35	2.25	1.90	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	20.50	10.12	1.95	4.60	1.75	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	36.00	11.44	1.60	4.25	1.80	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	19.52	9.90	1.35	12.94	2.10	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	8.20	2.85	1.25	10.23	1.85	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	5.79	1.90	1.20	14.62	0.72	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	3.97	2.15	1.05	38.00	7.10	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	4.60	5.86	1.35	14.62	19.52	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	1.45	3.90	1.70	7.50	22.75	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	1.25	0.48	1.20	3.41	16.44	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	1.15	0.51	1.10	1.95	8.80	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	1.15	1.65	1.10	0.96	6.36	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	1.00	0.96	1.15	0.51	5.93	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.92	3.06	1.15	1.05	5.72	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.72	2.85	1.15	1.50	6.81	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.51	11.33	1.15	2.71	3.76	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.76	22.30	1.05	7.20	4.18	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	5.37	42.60	0.45	13.92	3.83	0.00	0.00	0.00	0.00	0.00	
26	0.00	10.34	5.16	24.25	0.39	22.15	3.97	0.00	0.00	0.00	0.00	0.00	
27	0.00	2.40	3.27	12.94	0.33	9.40	4.11	0.00	0.00	0.00	0.00	0.00	
28	0.00	2.15	17.56	6.81	0.33	7.90	4.04	0.00	0.00	0.00	0.00	0.00	
29	0.00	1.85	7.80	6.36	0.33	3.06	4.04	0.00	0.00	0.00	0.00	0.00	
30	0.00	1.40	3.20	5.23	0.30	2.30	4.18	0.00	0.00	0.00	0.00	0.00	
31	0.00	1.05		3.76	0.30		4.32		0.00	0.00		0.00	
Total	0.00	19.19	152.85	207.64	47.89	191.27	183.03	25.00	0.00	0.00	0.00	0.00	826.87 CMSDAY
Mean	0.00	0.62	5.10	6.70	1.54	6.38	5.90	0.83	0.00	0.00	0.00	0.00	2.27 CMS
Max	0.00	10.34	36.00	42.60	3.97	38.00	22.75	6.81	0.00	0.00	0.00	0.00	42.60 CMS
Min	0.00	0.00	0.27	0.00	0.30	0.30	0.72	0.00	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	1.66	13.21	17.94	4.14	16.53	15.81	2.16	0.00	0.00	0.00	0.00	71.44 MCM
Momentary Peak	63.09	CMS, at 165.13 m. (MSL), at 16.00 Hours, on Jul 25, 2021											
Runoff Yield	12.52	Liters/Second/Square KM.				Momentary Peak Yield		348.56	Liters/Second/Square KM.				

WATER YEAR : 2021**CHI RIVER BASIN****Chi River at Ban Don Khanuan , Maha Sarakham (E.91)**

Lat 16 - 21 - 58 N Long 102 - 56 - 59 E

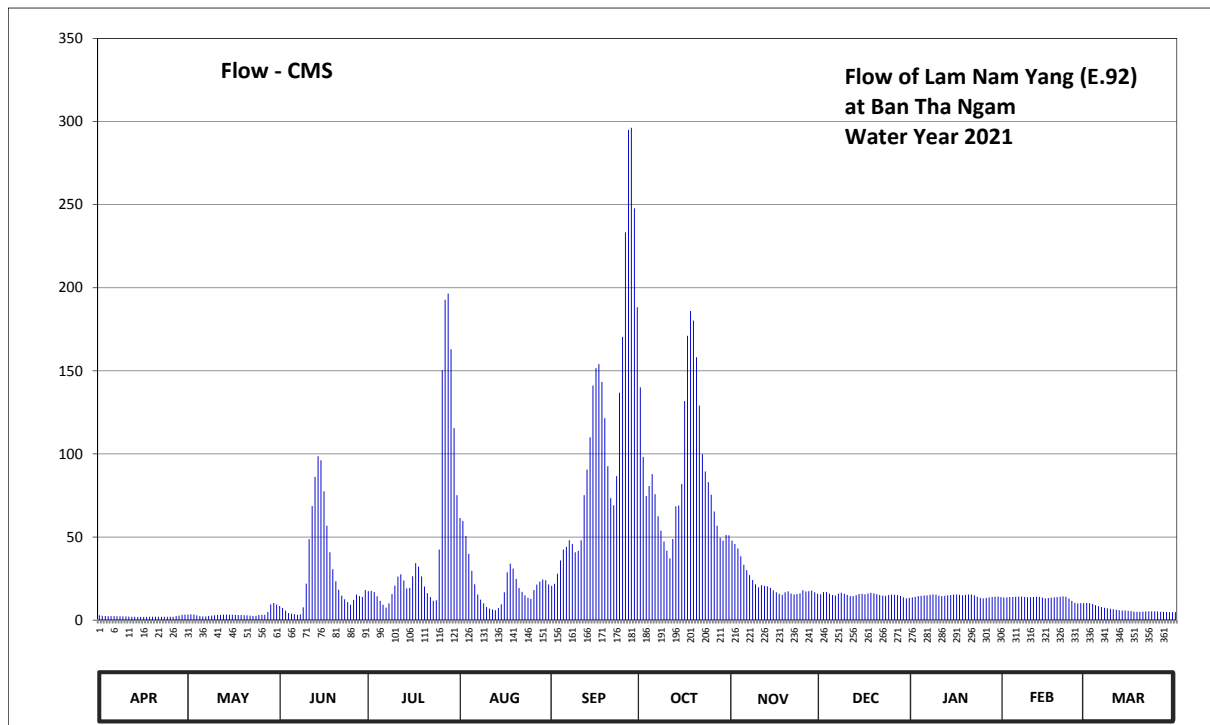
Location : on left bank at Ban Don Khanuan.

	Ban	Don Khanuan	Amphoe	Kosum Phisai	Changwat	Maha Sarakham
Drainage Area	28,958	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+138.000 m. (MSL.)					
Bench Mark	B.M.- H.D.					
Location BM	On left bank at the abutment of the bridge.				Elevation	+152.448 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	Overbank flow starts at elevation +150.160 m.(MSL.) record are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 43 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	140.10	141.13	140.83	140.12	142.09	141.16	146.99	150.97	144.81	142.02	140.95	140.50	
2	140.13	141.36	141.06	140.21	142.05	141.43	147.21	150.97	144.12	142.04	141.00	140.73	
3	140.23	141.16	141.25	140.10	142.04	141.55	147.87	150.96	144.00	142.09	141.05	140.78	
4	140.35	140.93	141.31	140.02	142.05	141.63	148.59	150.94	143.98	142.10	141.08	140.83	
5	140.52	141.00	141.25	139.93	141.92	142.25	149.28	150.90	143.81	142.03	141.10	140.88	
6	140.74	141.42	141.21	140.02	141.79	142.92	149.82	150.85	143.60	141.87	141.05	140.83	
7	140.83	141.67	141.01	139.95	141.38	143.22	150.74	150.80	143.31	141.71	140.99	140.90	
8	140.87	141.58	141.26	140.20	141.05	143.22	151.09	150.73	143.17	141.67	140.96	141.07	
9	140.79	141.37	141.78	140.71	140.90	143.34	151.24	150.66	143.09	141.61	140.94	141.26	
10	140.57	141.09	141.84	141.20	140.77	143.91	151.24	150.58	142.93	141.47	140.94	141.12	
11	140.46	141.00	142.05	141.54	140.58	144.60	151.16	150.51	142.64	141.37	140.84	140.96	
12	140.38	140.95	142.20	141.83	140.67	144.63	151.04	150.44	142.63	141.27	140.85	140.96	
13	140.25	140.97	142.33	141.56	140.30	144.29	150.92	150.38	142.53	141.15	140.92	140.96	
14	140.30	141.16	142.33	141.24	140.30	144.24	150.85	150.32	142.44	141.03	140.97	140.94	
15	140.34	141.07	142.23	141.39	140.33	144.66	150.80	150.25	142.47	141.12	141.03	140.95	
16	140.42	140.69	142.12	141.60	140.29	145.16	150.76	150.18	142.43	141.21	141.15	140.86	
17	140.39	140.80	142.11	141.56	140.41	145.32	150.72	150.08	142.42	141.04	141.18	140.71	
18	140.46	140.37	142.04	141.55	140.31	145.16	150.71	149.96	142.42	141.01	141.19	140.70	
19	140.67	140.57	142.00	141.62	140.28	144.81	150.71	149.81	142.07	141.01	141.20	140.71	
20	140.53	140.40	141.90	141.63	140.61	144.36	150.71	149.64	142.19	141.10	141.20	140.72	
21	140.41	140.57	141.91	141.65	140.46	144.32	150.71	149.46	142.20	141.27	141.25	140.82	
22	140.33	140.56	141.80	141.60	140.47	144.34	150.71	149.23	142.31	141.18	141.27	140.94	
23	140.25	140.34	141.11	141.52	140.50	144.68	150.71	148.93	142.32	141.05	141.01	140.84	
24	140.07	140.40	140.69	141.66	140.16	145.16	150.73	148.51	142.25	140.97	140.54	140.82	
25	140.00	140.64	140.57	141.83	140.04	145.72	150.76	147.97	142.09	140.98	140.36	140.84	
26	140.09	140.83	140.65	142.00	140.06	146.13	150.77	147.44	142.06	140.97	140.22	140.89	
27	140.32	140.76	140.66	142.01	140.06	146.39	150.76	146.90	141.98	140.94	140.20	140.91	
28	140.56	140.65	140.67	141.96	140.14	146.65	150.78	146.39	141.89	140.83	140.30	140.90	
29	140.88	140.70	140.55	141.95	140.39	146.79	150.84	145.75	141.56	140.81		141.05	
30	141.11	140.72	140.33	141.82	140.59	146.87	150.90	145.27	141.94	140.87		141.13	
31		140.75		141.79	140.74		150.95		142.12	140.91		140.47	
Mean	140.45	140.89	141.44	141.22	140.77	144.30	150.36	149.53	142.70	141.31	140.92	140.87	
Max	141.11	141.67	142.33	142.01	142.09	146.87	151.24	150.97	144.81	142.10	141.27	141.26	151.24
Min	140.00	140.34	140.33	139.93	140.04	141.16	146.99	145.27	141.56	140.81	140.20	140.47	139.93
Annual Max Momentary Gage Height	151.26		m. (MSL.) ,			at 12.00 Hours, on Oct 9, 2021							
Zero Gage at Bottom Elevation		138.00	m. (MSL.) ,			River Bed	139.59	m. (MSL.)					
Left Bank Elevation		151.70	m. (MSL.) ,										
Right Bank Elevation		150.15	m. (MSL.) ,			Drainage Are	28,958	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	30.00	76.50	61.84	30.80	129.76	78.00	482.20	1219.80	316.73	125.28	67.60	46.00	
2	31.20	88.00	73.00	34.40	127.20	91.50	501.90	1219.80	266.70	126.56	70.00	57.04	
3	35.20	78.00	82.50	30.00	126.56	97.90	562.78	1216.40	258.00	129.76	72.50	59.44	
4	40.00	66.64	85.50	26.80	127.20	102.54	639.80	1209.60	256.64	130.40	74.00	61.84	
5	46.96	70.00	82.50	23.20	119.36	140.00	747.60	1196.00	245.08	125.92	75.00	64.24	
6	57.52	91.00	80.50	26.80	111.82	184.56	859.20	1179.00	230.80	116.46	72.50	61.84	
7	61.84	104.86	70.50	24.00	89.00	204.96	1141.60	1162.00	211.08	107.18	69.52	65.20	
8	63.76	99.64	83.00	34.00	72.50	204.96	1266.00	1138.20	201.56	104.86	68.08	73.50	
9	59.92	88.50	111.24	56.08	65.20	213.12	1326.00	1114.40	196.12	101.38	67.12	83.00	
10	49.36	74.50	114.72	80.00	58.96	251.88	1326.00	1087.20	185.24	93.50	67.12	76.00	
11	44.40	70.00	127.20	97.32	49.84	301.50	1294.00	1063.40	165.52	88.50	62.32	68.08	
12	41.20	67.60	136.80	114.14	54.16	303.68	1246.00	1040.80	164.84	83.50	62.80	68.08	
13	36.00	68.56	145.12	98.48	38.00	279.03	1202.80	1021.60	158.04	77.50	66.16	68.08	
14	38.00	78.00	145.12	82.00	38.00	275.40	1179.00	1002.40	152.16	71.50	68.56	67.12	
15	39.60	73.50	138.72	89.50	39.20	305.85	1162.00	980.00	154.08	76.00	71.50	67.60	
16	42.80	55.12	131.68	100.80	37.60	342.10	1148.40	958.40	151.52	80.50	77.50	63.28	
17	41.60	60.40	131.04	98.48	42.40	353.70	1134.80	930.40	150.88	72.00	79.00	56.08	
18	44.40	40.80	126.56	97.90	38.40	342.10	1131.40	896.80	150.88	70.50	79.50	55.60	
19	54.16	49.36	124.00	101.96	37.20	316.73	1131.40	856.60	128.48	70.50	80.00	56.08	
20	47.44	42.00	118.20	102.54	51.28	284.10	1131.40	813.60	136.16	75.00	80.00	56.56	
21	42.40	49.36	118.78	103.70	44.40	281.20	1131.40	778.20	136.80	83.50	82.50	61.36	
22	39.20	48.88	112.40	100.80	44.80	282.65	1131.40	739.10	143.84	79.00	83.50	67.12	
23	36.00	39.60	75.50	96.16	46.00	307.30	1131.40	690.80	144.48	72.50	70.50	62.32	
24	28.80	42.00	55.12	104.28	32.40	342.10	1138.20	630.20	140.00	68.56	47.92	61.36	
25	26.00	52.72	49.36	114.14	27.60	382.70	1148.40	572.18	129.76	69.04	40.40	62.32	
26	29.60	61.84	53.20	124.00	28.40	413.40	1151.80	522.60	127.84	68.56	34.80	64.72	
27	38.80	58.48	53.68	124.64	28.40	434.20	1148.40	475.00	122.84	67.12	34.00	65.68	
28	48.88	53.20	54.16	121.68	31.60	455.00	1155.20	434.20	117.62	61.84	38.00	65.20	
29	64.24	55.60	48.40	121.10									



ischarge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.91	3.37	8.48	17.40	61.42	20.60	140.05	47.88	15.52	13.68	13.52	10.32		
2	2.63	3.49	7.28	17.60	59.66	21.84	98.20	45.80	16.80	14.00	13.68	10.24		
3	2.46	3.37	5.68	16.80	50.60	27.96	74.68	43.08	16.80	14.40	13.84	9.68		
4	2.40	2.86	4.24	14.32	39.88	35.88	80.66	38.44	15.84	14.64	14.00	8.96		
5	2.40	2.40	3.83	11.52	29.64	42.44	87.80	33.32	15.12	14.80	14.08	8.40		
6	2.40	2.17	3.54	9.20	21.60	44.04	75.72	30.00	14.80	14.96	14.16	7.92		
7	2.34	2.17	3.20	7.52	15.44	48.04	62.52	27.00	15.84	15.20	14.16	7.44		
8	2.29	2.46	3.49	10.08	12.32	45.80	53.80	24.12	16.50	15.36	13.92	7.12		
9	2.23	2.69	7.68	15.68	10.08	40.84	47.24	21.60	15.84	15.28	13.76	6.80		
10	2.17	2.91	21.96	20.80	7.84	41.64	41.80	19.70	15.20	14.72	13.76	6.56		
11	2.11	3.14	48.68	26.16	6.88	48.04	37.16	21.00	14.48	14.40	13.92	6.24		
12	2.06	3.14	68.68	27.48	6.32	75.20	48.84	20.60	14.40	14.64	14.08	5.92		
13	2.00	3.26	86.20	23.88	5.92	90.60	68.46	20.30	15.04	14.88	14.08	5.76		
14	1.94	3.37	98.60	19.10	7.20	110.00	68.90	19.30	15.68	15.12	13.60	5.76		
15	1.89	3.31	96.20	19.40	9.52	141.15	81.96	17.90	15.76	15.36	13.12	5.60		
16	1.89	3.26	77.54	26.40	16.70	151.60	131.80	16.70	15.52	15.44	13.28	5.36		
17	1.94	3.14	56.80	34.28	28.80	154.00	171.10	15.84	16.00	15.20	13.52	5.12		
18	2.00	3.09	40.84	32.16	33.96	143.35	186.00	15.20	16.50	14.96	13.68	4.96		
19	2.06	3.03	30.60	26.28	30.96	121.50	180.20	16.70	16.10	15.20	13.84	5.04		
20	2.06	2.97	23.40	20.20	24.84	92.60	158.20	17.30	15.60	15.36	14.08	5.12		
21	2.06	2.86	18.30	16.20	19.30	73.38	129.05	16.00	15.12	15.36	14.24	5.20		
22	2.06	2.69	14.72	13.84	17.00	69.12	99.80	15.44	14.72	14.88	14.08	5.28		
23	2.06	2.51	12.48	11.60	14.96	86.60	89.40	15.68	14.64	14.08	12.96	5.28		
24	2.06	2.63	10.88	11.92	13.36	136.75	83.00	16.10	15.12	13.36	11.52	5.28		
25	2.06	3.03	9.20	42.44	12.80	170.40	75.46	18.00	15.28	13.04	10.40	5.20		
26	2.06	3.14	12.16	150.40	18.10	233.40	65.38	17.20	15.28	13.36	10.00	5.04		
27	2.40	3.20	15.44	192.75	21.36	295.00	56.80	17.40	15.04	13.68	10.16	4.96		
28	2.69	4.88	14.48	196.50	23.16	296.25	49.60	17.80	14.56	13.84	10.24	4.88		
29	3.20	9.44	13.92	163.00	24.48	247.80	47.88	16.70	13.68	14.08		4.80		
30	3.31	10.32	18.10	115.50	24.00	188.25	51.20	15.92	13.04	14.16		4.72		
31		9.36		75.20	21.48		51.00		13.36	13.84		4.80		
Total	68.14	113.66	836.60	1385.61	689.58	3294.07	2693.66	678.02	473.18	451.28	369.68	193.76	11247.24	CMSDAY
Mean	2.27	3.67	27.89	44.70	22.24	109.80	86.89	22.60	15.26	14.56	13.20	6.25	30.81	CMS
Max	3.31	10.32	98.60	196.50	61.42	296.25	186.00	47.88	16.80	15.44	14.24	10.32	296.25	CMS
Min	1.89	2.17	3.20	7.52	5.92	20.60	37.16	15.20	13.04	13.04	10.00	4.72	1.89	CMS
Runoff	5.89	9.82	72.28	119.72	59.58	284.61	232.73	58.58	40.88	38.99	31.94	16.74	971.76	MCM
Momentary Peak	303.75 CMS, at 134.59 m. (MSL.), at 02.00 Hours, on Sep 28, 2021													
Runoff Yield	9.64	Liters/Second/Square KM.			Momentary Peak Yield			95.01	Liters/Second/Square KM.					

WATER YEAR : 2021**CHI RIVER BASIN****Lam Nam Phrom at Ban Yang , Chaiyaphum (E.93)**

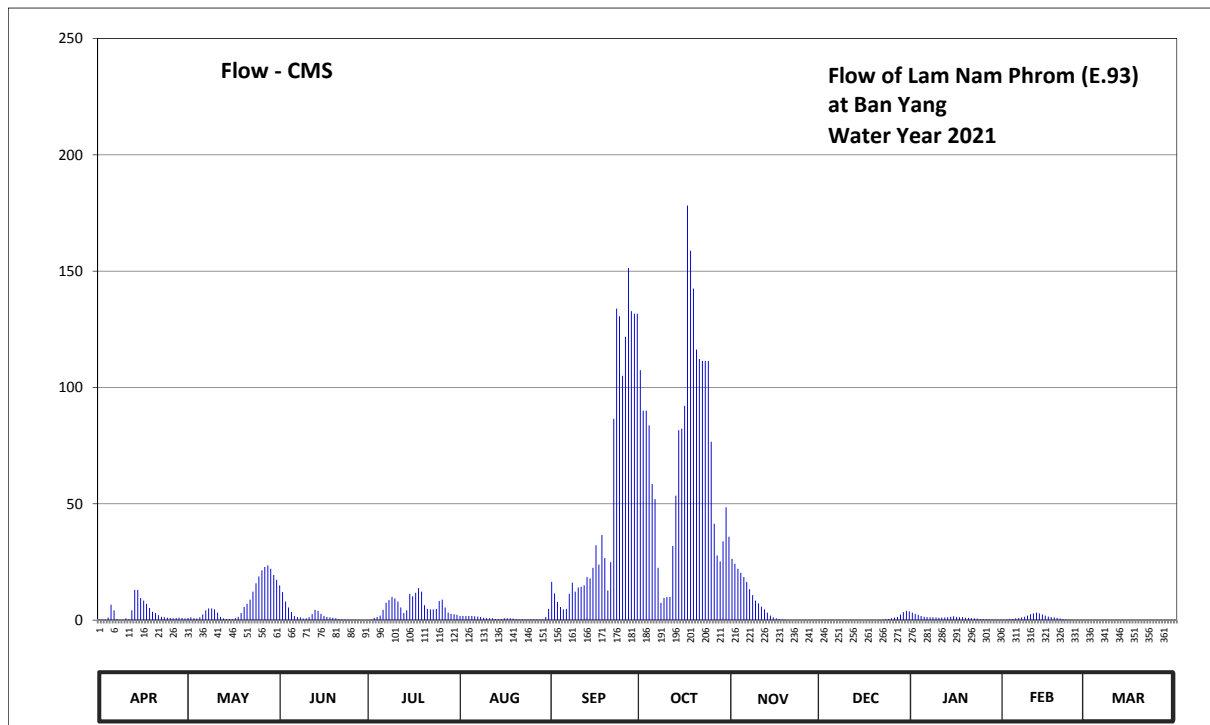
Lat 16 - 18 - 53 N Long 101 - 52 - 31 E

Location : on right bank at the bridge.

	Ban Yang	Amphoe Kaset Sombun	Changwat Chaiyaphum
Drainage 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 30 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	228.02	228.18	228.93	227.84	228.32	228.98	230.73	229.28	227.66	228.41	227.97	227.66	
2	227.96	228.23	228.82	227.98	228.32	228.80	230.50	229.22	227.65	228.38	228.01	227.66	
3	227.95	228.17	228.65	228.18	228.32	228.64	230.50	229.16	227.65	228.35	228.05	227.65	
4	228.22	228.14	228.52	228.27	228.32	228.53	230.41	229.11	227.64	228.32	228.10	227.65	
5	228.58	228.24	228.42	228.33	228.32	228.48	230.01	229.05	227.63	228.29	228.15	227.65	
6	228.46	228.36	228.32	228.47	228.31	228.49	229.88	228.98	227.62	228.26	228.18	227.64	
7	228.07	228.46	228.26	228.62	228.30	228.79	229.17	228.87	227.64	228.24	228.23	227.63	
8	227.94	228.50	228.23	228.68	228.28	228.97	228.62	228.77	227.65	228.24	228.29	227.63	
9	227.97	228.50	228.14	228.74	228.20	228.83	228.72	228.67	227.67	228.23	228.33	227.62	
10	228.15	228.48	228.15	228.71	228.17	228.90	228.74	228.61	227.69	228.21	228.37	227.61	
11	228.04	228.41	228.25	228.65	228.17	228.91	228.74	228.54	227.68	228.22	228.39	227.60	
12	228.46	228.28	228.37	228.52	228.15	228.93	229.42	228.48	227.67	228.23	228.41	227.60	
13	228.86	228.14	228.47	228.40	228.10	229.05	229.91	228.41	227.65	228.25	228.39	227.61	
14	228.86	228.10	228.45	228.46	228.06	229.03	230.38	228.33	227.64	228.29	228.36	227.61	
15	228.72	228.08	228.38	228.79	228.10	229.17	230.39	228.23	227.63	228.31	228.33	227.62	
16	228.67	228.06	228.32	228.75	228.17	229.43	230.53	228.15	227.62	228.28	228.30	227.64	
17	228.60	228.17	228.27	228.81	228.17	229.21	231.33	228.07	227.61	228.25	228.26	227.65	
18	228.51	228.27	228.23	228.89	228.17	229.54	231.19	227.99	227.65	228.24	228.23	227.66	
19	228.43	228.40	228.20	228.83	228.13	229.29	231.06	227.92	227.72	228.21	228.19	227.67	
20	228.40	228.53	228.16	228.57	228.07	228.85	230.83	227.86	227.78	228.19	228.13	227.68	
21	228.34	228.60	228.09	228.49	228.04	229.24	230.79	227.82	227.87	228.17	228.07	227.69	
22	228.29	228.69	228.04	228.48	228.04	230.45	230.78	227.78	227.94	228.15	228.01	227.69	
23	228.24	228.83	228.01	228.48	228.02	230.99	230.78	227.76	228.03	228.13	227.95	227.71	
24	228.20	228.96	227.97	228.49	228.02	230.96	230.78	227.75	228.09	228.10	227.88	227.74	
25	228.18	229.06	227.93	228.66	228.02	230.70	230.31	227.73	228.15	228.07	227.82	227.75	
26	228.16	229.14	227.90	228.69	228.02	230.88	229.66	227.72	228.22	228.04	227.77	227.74	
27	228.19	229.18	227.88	228.52	228.02	231.13	229.32	227.71	228.28	228.01	227.72	227.74	
28	228.20	229.20	227.86	228.41	228.02	230.98	229.25	227.69	228.36	227.98	227.67	227.73	
29	228.18	229.16	227.85	228.38	228.04	230.97	229.47	227.68	228.42	227.97		227.72	
30	228.15	229.08	227.82	228.37	228.26	230.97	229.81	227.67	228.45	227.96		227.71	
31		229.01		228.35	228.49		229.52		228.44	227.95		227.70	
Mean	228.30	228.54	228.23	228.51	228.17	229.54	230.05	228.30	227.85	228.19	228.13	227.67	
Max	228.86	229.20	228.93	228.89	228.49	231.13	231.33	229.28	228.45	228.41	228.41	227.75	231.33
Min	227.94	228.06	227.82	227.84	228.02	228.48	228.62	227.67	227.61	227.95	227.67	227.60	227.60
Annual Max Momentary Gage Height	231.39		m. (MSL.) ,			at 12.00 Hours, on Oct 17, 2021							
Zero Gage at Bottom Elevation	225.50		m. (MSL.) ,			River Bed	226.11	m. (MSL.)					
Left Bank Elevation		232.52		m. (MSL.) ,									
Right Bank Elevation		231.42		m. (MSL.) ,		Drainage Are	947	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.30	0.90	14.90	0.04	1.80	16.40	107.40	26.30	0.00	3.20	0.21	0.00	
2	0.19	1.15	12.00	0.22	1.80	11.50	90.00	24.20	0.00	2.70	0.28	0.00	
3	0.18	0.85	8.00	0.90	1.80	7.80	90.00	22.10	0.00	2.25	0.38	0.00	
4	1.10	0.70	5.40	1.35	1.80	5.60	83.70	20.35	0.00	1.80	0.50	0.00	
5	6.60	1.20	3.40	1.95	1.80	4.60	58.50	18.50	0.00	1.45	0.75	0.00	
6	4.20	2.40	1.80	4.40	1.65	4.80	52.00	16.40	0.00	1.30	0.90	0.00	
7	0.43	4.20	1.30	7.40	1.50	11.25	22.45	13.25	0.00	1.20	1.15	0.00	
8	0.16	5.00	1.15	8.60	1.40	16.10	7.40	10.75	0.00	1.20	1.45	0.00	
9	0.21	5.00	0.70	10.00	1.00	12.25	9.50	8.40	0.00	1.15	1.95	0.00	
10	0.75	4.60	0.75	9.25	0.85	14.00	10.00	7.20	0.00	1.05	2.55	0.00	
11	0.35	3.20	1.25	8.00	0.85	14.30	10.00	5.80	0.00	1.10	2.85	0.00	
12	4.20	1.40	2.55	5.40	0.75	14.90	31.80	4.60	0.00	1.15	3.20	0.00	
13	13.00	0.70	4.40	3.00	0.50	18.50	53.50	3.20	0.00	1.25	2.85	0.00	
14	13.00	0.50	4.00	4.20	0.40	17.90	81.60	1.95	0.00	1.45	2.40	0.00	
15	9.50	0.45	2.70	11.25	0.50	22.45	82.30	1.15	0.00	1.65	1.95	0.00	
16	8.40	0.40	1.80	10.25	0.85	32.20	92.10	0.75	0.00	1.40	1.50	0.00	
17	7.00	0.85	1.35	11.75	0.85	23.85	178.20	0.43	0.00	1.25	1.30	0.00	
18	5.20	1.35	1.15	13.75	0.85	36.60	158.75	0.24	0.00	1.20	1.15	0.00	
19	3.60	3.00	1.00	12.25	0.65	26.65	142.50	0.13	0.00	1.05	0.95	0.00	
20	3.00	5.60	0.80	6.40	0.43	12.75	116.30	0.06	0.00	0.95	0.65	0.00	
21	2.10	7.00	0.48	4.80	0.35	24.90	112.20	0.02	0.07	0.85	0.43	0.00	
22	1.45	8.80	0.35	4.60	0.35	86.50	111.40	0.00	0.16	0.75	0.28	0.00	
23	1.20	12.25	0.28	4.60	0.30	133.90	111.40	0.00	0.33	0.65	0.18	0.00	
24	1.00	15.80	0.21	4.80	0.30	130.60	111.40	0.00	0.48	0.50	0.08	0.00	
25	0.90	18.80	0.15	8.20	0.30	105.00	76.70	0.00	0.75	0.43	0.02	0.00	
26	0.80	21.40	0.10	8.80	0.30	121.80	41.40	0.00	1.10	0.35	0.00	0.00	
27	0.95	22.80	0.08	5.40	0.30	151.25	27.80	0.00	1.40	0.28	0.00	0.00	
28	1.00	23.50	0.06	3.20	0.30	132.80	25.25	0.00	2.40	0.22	0.00	0.00	
29	0.90	22.10	0.05	2.70	0.35	131.70	33.80	0.00	3.40	0.21		0.00	
30	0.75	19.40	0.02	2.55	1.30	131.70	48.50	0.00	4.00	0.19		0.00	
31		17.30		2.25	4.80		35.80		3.80	0.18		0.00	
Total	92.42	232.60	72.18	182.26	30.98	1474.55	2213.65	185.78	17.89	34.36	29.91	0.00	4566.58 CMSDAY
Mean	3.08	7.50	2.41	5.88	1.00	49.15	71.41	6.19	0.58	1.11	1.07	0.00	12.51 CMS
Max	13.00	23.50	14.90	13.75	4.80	151.25	178.20	26.30	4.00	3.20	3.20	0.00	178.20 CMS
Min	0.16	0.40	0.02	0.04	0.30	4.60	7.40	0.00	0.00	0.18	0.00	0.00	0.00 CMS
Runoff	7.99	20.10	6.24	15.75	2.68	127.40	191.26	16.05	1.55	2.97	2.58	0.00	394.55 MCM
Momentary Peak	186.60 CMS, at 231.39 m. (MSL.), at 12.00 Hours, on Oct 17, 2021												
Runoff Yield	13.21	Liters/Second/Square KM.			Momentary Peak Yield			197.04	Liters/Second/Square KM.				

Chi River at Ban Wang Charoen , Roi Et (E.95)

Lat 16 - 10 - 31 N Long 103 - 49 - 59 E

Location : on right bank at Wang Yang Barrage.

	Ban	Wang Charoen	Amphoe	Chiang Khwan	Changwat	Roi Et
Drainage Area	40,963	sq.km.				
Type of Gage	Water	- stage recorder.				
Zero Gage at Bottom	+124.000	m. (MSL.)				
Bench Mark	B.M.-	H.D.				
Location BM	On right bank near the relate.				Elevation	+134.665 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	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +132.940 m.(MSL.)	record are channel flow only.				
General Description	Records good. Stage-discharge relation defined by 41 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Gage Height in Meter (MSL) Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	124.81	126.25	125.60	125.73	126.80	126.03	130.47	132.73	131.36	125.80	125.56	125.27	
2	124.83	126.71	125.58	125.64	126.95	126.30	130.46	132.77	131.08	125.88	125.61	125.34	
3	124.81	126.50	125.56	125.43	126.95	126.48	130.40	132.80	130.70	125.96	125.64	125.47	
4	124.79	126.40	125.62	125.41	126.79	126.72	130.37	132.82	130.16	126.04	125.63	125.58	
5	124.81	126.16	125.72	125.28	126.49	127.00	130.33	132.84	129.45	126.02	125.64	125.57	
6	124.98	125.95	125.77	125.25	126.37	127.00	130.35	132.87	128.62	125.98	125.69	125.58	
7	125.26	125.81	125.84	125.13	126.33	127.51	130.38	132.89	128.01	125.95	125.75	125.63	
8	125.32	126.01	125.84	125.17	126.26	127.94	130.44	132.91	127.66	125.93	125.70	125.77	
9	125.32	126.21	125.86	125.17	126.09	128.33	130.51	132.94	127.24	125.92	125.66	125.96	
10	125.36	126.20	125.97	125.32	125.90	128.63	130.61	132.95	127.01	125.89	125.63	126.04	
11	125.37	126.13	126.29	125.77	125.69	128.77	130.72	132.96	126.78	125.87	125.64	125.97	
12	125.21	125.93	126.77	126.10	125.67	129.17	130.82	132.94	126.81	125.85	125.63	125.92	
13	124.97	125.78	126.98	126.34	125.68	129.27	130.98	132.91	126.75	125.83	125.58	125.86	
14	124.97	125.76	126.85	126.58	125.74	129.15	131.18	132.88	126.68	125.81	125.56	125.82	
15	125.04	125.75	126.81	126.64	125.68	129.18	131.40	132.86	126.40	125.80	125.60	125.78	
16	125.19	125.75	126.84	126.43	125.78	129.29	131.62	132.84	126.41	125.79	125.63	125.76	
17	125.18	125.75	126.82	126.16	126.13	129.43	131.85	132.81	126.43	125.77	125.70	125.70	
18	125.08	125.68	126.73	126.15	126.29	129.59	131.98	132.74	126.29	125.76	125.81	125.65	
19	125.15	125.57	126.41	126.18	126.36	129.66	132.18	132.66	126.39	125.74	125.87	125.63	
20	125.27	125.40	126.40	126.28	126.43	129.62	132.28	132.60	126.32	125.70	125.92	125.67	
21	125.27	125.36	126.30	126.21	126.22	129.51	132.32	132.55	126.29	125.68	125.99	125.76	
22	125.26	125.30	126.18	126.09	126.12	129.35	132.16	132.47	126.11	125.66	126.10	125.81	
23	125.14	125.30	126.13	126.09	126.05	129.35	132.45	132.30	126.15	125.63	126.14	125.84	
24	125.02	125.29	126.15	126.16	125.91	129.54	132.56	132.21	126.16	125.65	126.07	125.90	
25	125.05	125.30	126.07	126.45	125.80	129.91	132.59	132.13	126.15	125.68	125.88	126.00	
26	124.98	125.26	125.65	126.71	125.75	130.13	132.61	131.98	126.04	125.67	125.59	126.09	
27	125.02	125.55	125.32	126.56	125.58	130.28	132.64	131.88	125.99	125.63	125.46	126.18	
28	125.07	125.92	125.38	126.61	125.59	130.38	132.65	131.76	126.09	125.62	125.36	126.31	
29	125.19	125.90	125.46	126.66	125.77	130.43	132.69	131.65	126.00	125.66		126.40	
30	125.58	125.65	125.69	126.72	125.95	130.46	132.70	131.53	125.94	125.66		126.48	
31		125.50		126.75	125.79		132.70		125.76	125.60		126.52	
Mean	125.11	125.81	126.09	126.04	126.09	128.81	131.53	132.57	127.20	125.79	125.72	125.85	
Max	125.58	126.71	126.98	126.75	126.95	130.46	132.70	132.96	131.36	126.04	126.14	126.52	132.96
Min	124.79	125.26	125.32	125.13	125.58	126.03	130.33	131.53	125.76	125.60	125.36	125.27	124.79
Annual Max Momentary Gage Height		132.96		m. (MSL.) ,		at 16.00 Hours, on Nov 10, 2021							
Zero Gage at Bottom Elevation			124.00	m. (MSL.) ,		River Bed	125.68	m. (MSL.)					
Left Bank Elevation			134.06	m. (MSL.) ,									
Right Bank Elevation		132.93		m. (MSL.) ,		Drainage Area	40,963	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	22.40	126.00	70.00	80.40	183.00	105.70	690.20	1069.10	836.20	86.00	67.07	46.20	
2	23.20	173.10	68.53	73.20	200.00	131.00	688.60	1075.90	788.60	92.40	70.80	50.93	
3	22.40	151.00	67.07	57.53	200.00	149.00	679.00	1081.00	727.00	99.40	73.20	60.47	
4	21.60	141.00	71.60	56.07	181.90	174.20	674.20	1084.40	640.60	106.60	72.40	68.53	
5	22.40	117.40	79.60	46.80	150.00	206.00	667.80	1087.80	532.70	104.80	73.20	67.80	
6	30.00	98.50	83.60	45.00	138.00	206.00	671.00	1092.90	413.04	101.20	77.20	68.53	
7	45.60	86.80	89.20	37.80	134.00	267.75	675.80	1096.30	330.34	98.50	82.00	72.40	
8	49.47	103.90	89.20	40.20	127.00	321.50	685.40	1099.70	286.50	96.70	78.00	83.60	
9	49.47	122.00	90.80	40.20	111.10	373.22	696.60	1104.80	234.80	95.80	74.80	99.40	
10	52.40	121.00	100.30	49.47	94.00	414.46	712.60	1106.50	207.20	93.20	72.40	106.60	
11	53.13	114.70	130.00	83.60	77.20	434.34	730.20	1108.20	180.80	91.60	73.20	100.30	
12	42.60	96.70	179.70	112.00	75.60	491.82	746.20	1104.80	184.10	90.00	72.40	95.80	
13	29.50	84.40	203.60	135.00	76.40	506.42	771.80	1099.70	177.50	88.40	68.53	90.80	
14	29.50	82.80	188.50	159.00	81.20	488.90	805.60	1094.60	169.80	86.80	67.07	87.60	
15	33.00	82.00	184.10	165.40	76.40	493.28	843.00	1091.20	141.00	86.00	70.00	84.40	
16	41.40	82.00	187.40	144.00	84.40	509.34	880.40	1087.80	142.00	85.20	72.40	82.80	
17	40.80	82.00	185.20	117.40	114.70	529.78	919.50	1082.70	144.00	83.60	78.00	78.00	
18	35.00	76.40	175.30	116.50	130.00	553.50	941.60	1070.80	130.00	82.80	86.80	74.00	
19	39.00	67.80	142.00	119.20	137.00	564.00	975.60	1057.20	140.00	81.20	91.60	72.40	
20	46.20	55.33	141.00	129.00	144.00	558.00	992.60	1047.00	133.00	78.00	95.80	75.60	
21	46.20	52.40	131.00	122.00	123.00	541.50	999.40	1038.50	130.00	76.40	102.10	82.80	
22	45.60	48.00	119.20	111.10	113.80	518.10	972.20	1024.90	112.90	74.80	112.00	86.80	
23	38.40	48.00	114.70	111.10	107.50	518.10	1021.50	996.00	116.50	72.40	115.60	89.20	
24	32.00	47.40	116.50	117.40	94.90	546.00	1040.20	980.70	117.40	74.00	109.30	94.00	
25	33.50	48.00	109.30	146.00	86.00	601.50	1045.30	967.10	116.50	76.40	92.40	103.00	
26	30.00	45.60	74.00	173.10	82.00	635.80	1048.70	941.60	106.60	75.60	69.27	111.10	
27	32.00	66.33	49.47	157.00	68.53	659.80	1053.80	924.60	102.10	72.40	59.73	119.20	
28	34.50	95.80	53.87	162.10	69.27	675.80	1055.50	904.20	111.10	71.60	52.40	132.00	
29	41.40	94.0											

WATER YEAR : 2021**CHI RIVER BASIN****Chi River at Yasothon-Phanom Prai Barrage , Yasothon (E.97)**

Lat 15 - 39 - 46 N Long 104 - 11 - 15 E

Location : on right bank at Yasothon-Phanon Prai Barrage.

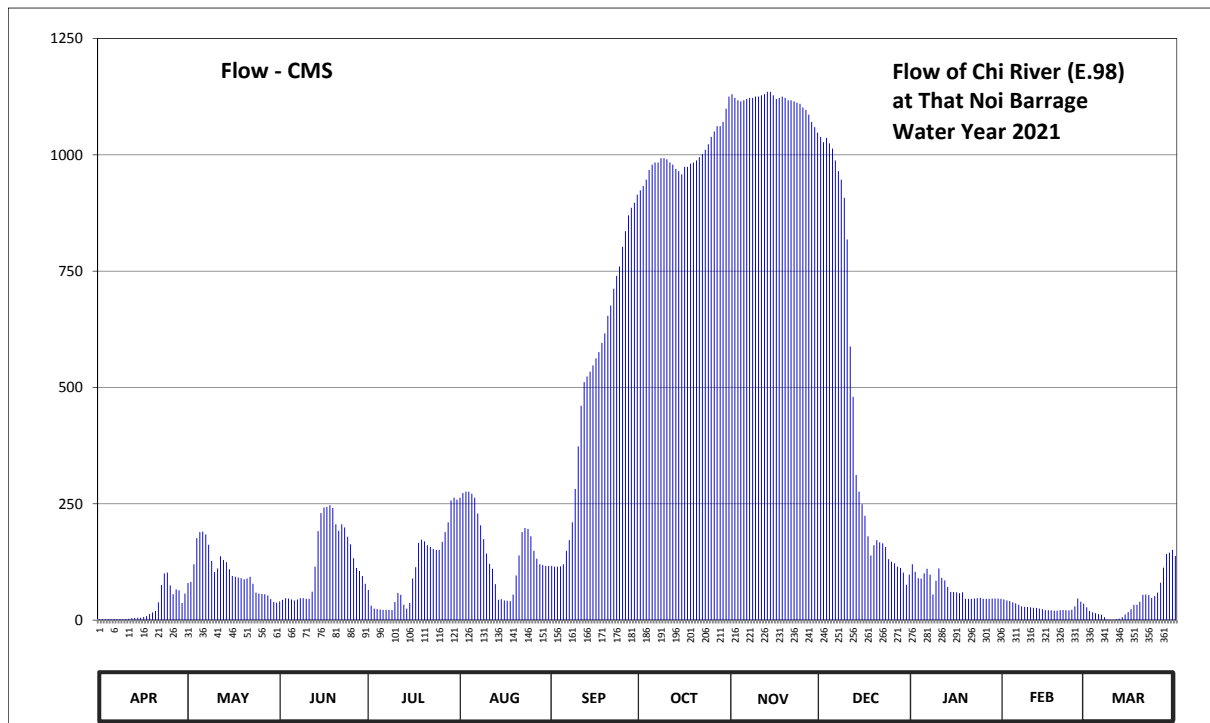
	Ban -	Amphoe Kham Khuean Kao	Changwat Yasothon
Drainage Area	47,473 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+113.000 m. (MSL.)		
Bench Mark	B.M.- H.D.		
Location BM	On right bank at the automatic gage building.	Elevation	+127.055 m. (MSL.)
Gage Reading Frequency	Recording		
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	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 42 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	116.79	118.31	117.90	117.69	120.34	118.65	124.41	124.97	124.44	118.48	118.09	117.31	
2	116.79	119.09	117.87	117.68	120.36	118.63	124.50	124.98	124.38	118.54	117.90	117.22	
3	116.82	119.26	117.86	117.70	120.34	118.69	124.51	124.98	124.31	118.59	117.74	117.15	
4	116.80	119.27	117.84	117.79	120.28	118.93	124.49	124.98	124.22	118.66	117.73	117.13	
5	116.81	119.23	117.85	117.77	120.14	119.08	124.44	124.98	124.10	118.67	117.78	117.21	
6	116.91	119.02	117.86	117.74	119.73	119.14	124.38	124.98	123.89	118.58	117.81	117.32	
7	117.16	118.71	117.90	117.72	119.55	119.54	124.31	124.98	123.52	118.50	117.84	117.44	
8	117.32	118.62	117.88	117.68	119.14	120.30	124.26	124.97	122.92	118.47	117.83	117.54	
9	117.51	118.66	117.89	117.66	118.86	121.17	124.21	124.96	122.08	118.51	117.79	117.76	
10	117.65	118.72	117.90	117.54	118.56	121.78	124.17	124.98	121.15	118.46	117.74	117.93	
11	117.70	118.74	118.01	117.24	118.27	122.08	124.12	124.99	120.38	118.38	117.68	117.96	
12	117.62	118.66	118.43	117.48	118.21	122.08	124.09	124.99	119.62	118.27	117.63	117.99	
13	117.61	118.54	119.59	117.80	118.02	122.20	124.05	124.99	119.61	118.15	117.59	117.96	
14	117.66	118.43	119.97	118.04	117.93	122.27	124.07	124.99	119.66	118.10	117.55	117.91	
15	117.69	118.35	120.07	118.58	117.92	122.38	124.12	124.98	119.44	118.03	117.51	117.85	
16	117.72	118.34	120.14	118.93	117.79	122.53	124.25	124.96	119.24	118.00	117.49	117.79	
17	117.78	118.31	120.10	119.07	117.87	122.73	124.32	124.90	118.99	118.02	117.49	117.78	
18	117.81	118.27	120.04	118.99	118.14	122.89	124.40	124.90	119.10	118.02	117.57	117.86	
19	117.85	118.22	119.89	118.99	118.64	123.05	124.49	124.88	119.07	118.03	117.66	117.95	
20	117.96	118.18	119.76	118.96	119.23	123.15	124.58	124.85	119.09	117.98	117.69	118.01	
21	118.15	118.14	119.68	118.94	119.48	123.19	124.66	124.82	119.11	117.89	117.70	118.05	
22	118.19	118.05	119.51	118.92	119.42	123.26	124.74	124.77	118.92	117.81	117.82	118.07	
23	118.05	117.99	119.10	118.89	119.27	123.36	124.78	124.73	118.64	117.79	117.95	118.08	
24	117.75	117.96	118.99	118.85	118.80	123.33	124.83	124.69	118.84	117.80	117.99	118.16	
25	117.78	117.87	118.72	118.85	118.62	123.45	124.86	124.64	118.88	117.81	118.07	118.44	
26	117.79	117.76	118.46	119.24	118.63	123.62	124.89	124.58	118.69	117.82	118.07	118.67	
27	117.65	117.63	118.39	119.89	118.69	123.85	124.90	124.54	118.62	117.82	117.79	118.84	
28	117.63	117.64	118.29	120.08	118.66	124.05	124.91	124.52	118.43	117.84	117.48	119.03	
29	117.74	117.85	118.04	120.09	118.60	124.25	124.91	124.51	118.53	117.88		119.07	
30	117.85	117.93	117.88	120.11	118.57	124.36	124.92	124.50	118.71	117.98		119.18	
31		117.94		120.22	118.53		124.94		118.61	118.08		119.23	
Mean	117.55	118.38	118.73	118.55	118.92	121.93	124.50	124.85	120.49	118.16	117.75	118.00	
Max	118.19	119.27	120.14	120.22	120.36	124.36	124.94	124.99	124.44	118.67	118.09	119.23	124.99
Min	116.79	117.63	117.84	117.24	117.79	118.63	124.05	124.50	118.43	117.79	117.48	117.13	116.79
Annual Max Momentary Gage Height	124.99		m. (MSL.) ,			at 19.00 Hours, on Nov 7, 2021							
Zero Gage at Bottom Elevation	113.00		m. (MSL.) ,			River Bed	113.24	m. (MSL.)					
Left Bank Elevation		126.80		m. (MSL.) ,									
Right Bank Elevation		126.71		m. (MSL.) ,		Drainage Are	47,473	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.80	84.70	56.00	44.50	286.80	111.00	879.70	974.90	884.80	97.40	69.30	25.50	
2	5.80	148.55	54.20	44.00	289.20	109.40	895.00	976.60	874.60	102.20	56.00	21.80	
3	6.60	165.00	53.60	45.00	286.80	114.20	896.70	976.60	862.70	106.20	47.00	19.00	
4	6.00	166.00	52.40	49.50	279.60	133.70	893.30	976.60	847.40	111.80	46.50	18.20	
5	6.30	162.00	53.00	48.50	262.80	147.60	884.80	976.60	827.00	112.60	49.00	21.40	
6	9.40	141.90	53.60	47.00	215.30	153.30	874.60	976.60	792.40	105.40	50.60	26.00	
7	19.40	115.80	56.00	46.00	195.50	194.40	862.70	976.60	733.20	99.00	52.40	32.00	
8	26.00	108.60	54.80	44.00	153.30	282.00	854.20	974.90	638.32	96.60	51.80	37.00	
9	35.50	111.80	55.40	43.00	127.80	388.78	845.70	973.20	515.68	99.80	49.50	48.00	
10	42.50	116.60	56.00	37.00	103.80	472.76	838.90	976.60	386.10	95.80	47.00	58.10	
11	45.00	118.20	63.70	22.60	81.90	515.68	830.40	978.30	291.60	89.60	44.00	60.20	
12	41.00	111.80	93.40	34.00	77.70	515.68	825.30	978.30	203.20	81.90	41.50	62.30	
13	40.50	102.20	199.90	50.00	64.40	533.20	818.50	978.30	202.10	73.50	39.50	60.20	
14	43.00	93.40	242.40	65.80	58.10	543.42	821.90	978.30	207.60	70.00	37.50	56.70	
15	44.50	87.50	254.40	105.40	57.40	559.48	830.40	976.60	183.40	65.10	35.50	53.00	
16	46.00	86.80	262.80	133.70	49.50	581.38	852.50	973.20	163.00	63.00	34.50	49.50	
17	49.00	84.70	258.00	146.65	54.20	610.58	864.40	963.00	139.10	64.40	34.50	49.00	
18	50.60	81.90	250.80	139.10	72.80	633.94	878.00	963.00	149.50	64.40	38.50	53.60	
19	53.00	78.40	232.90	139.10	110.20	658.00	893.30	959.60	146.65	65.10	43.00	59.50	
20	60.20	75.60	218.60	136.40	162.00	674.00	908.60	954.50	148.55	61.60	44.50	63.70	
21	73.50	72.80	209.80	134.60	187.80	680.40	922.20	949.40	150.45	55.40	45.00	66.50	
22	76.30	66.50	191.10	132.80	181.20	691.60	935.80	940.90	132.80	50.60	51.20	67.90	
23	66.50	62.30	149.50	130.20	166.00	707.60	942.60	934.10	110.20	49.50	59.50	68.60	
24	47.50	60.20	139.10	127.00	123.00	702.80	951.10	927.30	126.20	50.00	62.30	74.20	
25	49.00	54.20	116.60	127.00	108.60	722.00	956.20	918.80	129.40	50.60	67.90	94.20	
26	49.50	48.00	95.80	163.00	109.40	749.20	961.30	908.60	114.20	51.20	67.90	112.60	
27	42.50	41.50	90.30	232.90	114.20	786.00	963.00	901.80	108.60	51.20	49.50	126.20	
28	41.50	42.00	83.30	255.60	111.80	818.50	964.70	898.40	93.40	52.40	34.00	142.85	
29	47.00	53.00	65.80	256.80	107.00	8							

		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
Date														
1	109.16	110.62	110.06	110.41	112.53	111.05	116.35	117.22	116.85	111.09	110.12	109.83		
2	109.17	110.65	110.11	109.90	112.62	111.03	116.39	117.19	116.80	110.91	110.09	109.64		
3	109.16	111.09	110.16	109.77	112.64	111.03	116.45	117.17	116.84	110.75	110.07	109.57		
4	109.17	111.66	110.15	109.74	112.64	111.04	116.54	117.16	116.79	110.74	110.03	109.52		
5	109.16	111.79	110.12	109.72	112.61	111.09	116.59	117.17	116.74	110.87	110.00	109.48		
6	109.17	111.80	110.09	109.70	112.53	111.39	116.61	117.18	116.63	110.98	109.94	109.44		
7	109.17	111.74	110.12	109.70	112.19	111.62	116.61	117.19	116.53	110.84	109.87	109.30		
8	109.17	111.52	110.16	109.70	111.94	112.00	116.65	117.19	116.45	110.27	109.85	109.09		
9	109.16	111.17	110.16	109.69	111.64	112.68	116.65	117.20	116.28	110.68	109.84	109.06		
10	109.17	110.90	110.14	110.04	111.33	113.29	116.64	117.20	115.84	110.99	109.83	109.05		
11	109.20	110.99	110.14	110.32	111.10	113.87	116.61	117.21	114.69	110.76	109.81	109.15		
12	109.25	111.27	110.36	110.26	110.98	114.21	116.59	117.22	114.00	110.69	109.80	109.20		
13	109.26	111.19	111.03	109.94	110.59	114.29	116.55	117.24	112.88	110.50	109.77	109.30		
14	109.27	111.14	111.81	109.77	110.11	114.36	116.53	117.24	112.64	110.35	109.73	109.45		
15	109.27	110.97	112.20	110.01	110.13	114.45	116.50	117.21	112.39	110.35	109.69	109.58		
16	109.32	110.81	112.32	110.74	110.09	114.55	116.57	117.18	112.14	110.34	109.68	109.73		
17	109.36	110.79	112.33	111.02	110.08	114.63	116.57	117.19	111.70	110.31	109.67	109.93		
18	109.48	110.77	112.37	111.56	110.07	114.73	116.60	117.20	111.29	110.34	109.66	109.94		
19	109.56	110.75	112.31	111.63	110.27	114.83	116.61	117.19	111.51	110.14	109.66	110.05		
20	109.64	110.72	111.96	111.59	110.82	115.02	116.63	117.17	111.62	110.14	109.68	110.26		
21	110.03	110.74	111.82	111.51	111.29	115.13	116.66	117.17	111.57	110.14	109.69	110.27		
22	110.56	110.79	111.96	111.47	111.79	115.31	116.69	117.16	111.55	110.15	109.68	110.25		
23	110.87	110.60	111.89	111.43	111.88	115.45	116.73	117.15	111.47	110.16	109.67	110.17		
24	110.89	110.33	111.69	111.41	111.86	115.55	116.78	117.14	111.21	110.17	109.71	110.22		
25	110.55	110.30	111.53	111.41	111.70	115.76	116.85	117.11	111.15	110.14	109.87	110.33		
26	110.28	110.29	111.23	111.58	111.39	115.93	116.90	117.09	111.11	110.14	110.15	110.63		
27	110.43	110.28	111.00	111.79	111.22	116.10	116.95	117.05	111.03	110.14	110.05	111.01		
28	110.40	110.24	110.93	112.00	111.09	116.18	116.95	116.99	111.00	110.15	109.99	111.32		
29	110.01	110.13	110.81	112.47	111.07	116.23	116.99	116.94	110.89	110.15		111.35		
30	110.30	110.04	110.60	112.53	111.05	116.31	117.10	116.89	110.57	110.15		111.41		
31		110.02		112.49	111.05		117.20		110.84	110.14		111.28		
Mean	109.65	110.84	111.05	110.82	111.36	113.97	116.68	117.15	113.32	110.44	109.84	109.96		
Max	110.89	111.80	112.37	112.53	112.64	116.31	117.20	117.24	116.85	111.09	110.15	111.41	117.24	
Min	109.16	110.02	110.06	109.69	110.07	111.03	116.35	116.89	110.57	110.14	109.66	109.05	109.05	
Annual Max Momentary Gage Height	117.25	m. (MSL.) , at 21.00 Hours, on Nov 13, 2021												
Zero Gage at Bottom Elevation	107.00	m. (MSL.) , River Bed 106.63 m. (MSL.)												
Left Bank Elevation	119.65	m. (MSL.) ,												
Right Bank Elevation	118.65	m. (MSL.) , Drainage Are 48,654 Square Kilometers												



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.20	79.60	40.20	64.70	263.00	116.50	923.50	1130.20	1038.50	120.10	44.40	27.50		
2	2.40	82.00	43.70	31.00	273.00	114.70	932.70	1122.40	1027.00	103.90	42.30	19.60		
3	2.20	120.10	47.20	24.80	276.00	114.70	946.50	1117.20	1036.20	90.00	40.90	16.80		
4	2.40	176.00	46.50	23.60	276.00	115.60	967.20	1114.60	1024.70	89.20	38.10	14.80		
5	2.20	189.00	44.40	22.80	271.50	120.10	978.70	1117.20	1013.20	100.30	36.00	13.20		
6	2.40	190.00	42.30	22.00	263.00	149.00	983.30	1119.80	987.90	110.20	33.00	11.60		
7	2.40	184.00	44.40	22.00	229.00	172.00	983.30	1122.40	964.90	97.60	29.50	6.00		
8	2.40	162.00	47.20	22.00	204.00	210.00	992.50	1122.40	946.50	54.90	28.50	0.90		
9	2.20	127.30	47.20	21.60	174.00	282.00	992.50	1125.00	907.60	84.40	28.00	0.60		
10	2.40	103.00	45.80	38.80	143.00	373.50	990.20	1125.00	818.00	111.10	27.50	0.50		
11	3.00	111.10	45.80	58.40	121.00	460.50	983.30	1127.60	588.00	90.80	26.50	2.00		
12	4.50	137.00	61.20	54.20	110.20	511.50	978.70	1130.20	480.00	85.20	26.00	3.00		
13	4.80	129.10	114.70	33.00	77.30	523.50	969.50	1135.40	312.00	71.00	24.80	6.00		
14	5.10	124.60	191.00	24.80	43.70	534.00	964.90	1135.40	276.00	60.50	23.20	12.00		
15	5.10	109.30	230.00	36.70	45.10	547.50	958.00	1127.60	249.00	60.50	21.60	17.20		
16	6.80	94.90	242.00	89.20	42.30	562.50	974.10	1119.80	224.00	59.80	21.20	23.20		
17	8.40	93.20	243.00	113.80	41.60	576.00	974.10	1122.40	180.00	57.70	20.80	32.50		
18	13.20	91.60	247.00	166.00	40.90	596.00	981.00	1125.00	139.00	59.80	20.40	33.00		
19	16.40	90.00	241.00	173.00	54.90	616.00	983.30	1122.40	161.00	45.80	20.40	39.50		
20	19.60	87.60	206.00	169.00	95.80	654.00	987.90	1117.20	172.00	45.80	21.20	54.20		
21	38.10	89.20	192.00	161.00	139.00	676.00	994.80	1117.20	167.00	45.80	21.60	54.90		
22	75.20	93.20	206.00	157.00	189.00	712.00	1001.70	1114.60	165.00	46.50	21.20	53.50		
23	100.30	78.00	199.00	153.00	198.00	740.00	1010.90	1112.00	157.00	47.20	20.80	47.90		
24	102.10	59.10	179.00	151.00	196.00	760.00	1022.40	1109.40	131.00	47.90	22.40	51.40		
25	74.50	57.00	163.00	151.00	180.00	802.00	1038.50	1101.60	125.50	45.80	29.50	59.10		
26	55.60	56.30	133.00	168.00	149.00	836.00	1050.00	1096.40	121.90	45.80	46.50	80.40		
27	66.10	55.60	112.00	189.00	132.00	870.00	1061.50	1086.00	114.70	45.80	39.50	112.90		
28	64.00	52.80	105.70	210.00	120.10	886.00	1061.50	1070.70	112.00	46.50	35.50	142.00		
29	36.70	45.10	94.90	257.00	118.30	896.60	1070.70	1059.20	102.10	46.50		145.00		
30	57.00	38.80	78.00	263.00	116.50	914.30	1099.00	1047.70	75.90	46.50		151.00		
31		37.40		259.00	116.50		1125.00		97.60	45.80		138.00		
Total	779.70	3143.90	3733.20	3330.40	4699.70	15442.50	30981.20	33394.00	13915.20	2108.70	811.30	1370.20	113710.00	CMSDAY
Mean	25.99	101.42	124.44	107.43	151.60	514.75	999.39	1113.13	448.88	68.02	28.97	44.20	311.53	CMS
Max	102.10	190.00	247.00	263.00	276.00	914.30	1125.00	1135.40	1038.50	120.10	46.50	151.00	1135.40	CMS
Min	2.20	37.40	40.20	21.60	40.90	114.70	923.50	1047.70	75.90	45.80	20.40	0.50	0.50	CMS
Runoff	67.37	271.63	322.55	287.75	406.05	1334.23	2676.78	2885.24	1202.27	182.19	70.10	118.39	9824.54	MCM
Momentary Peak	1138.00 CMS, at 117.25 m. (MSL.), at 21.00 Hours, on Nov 13, 2021													
Runoff Yield	6.40	Liters/Second/Square KM.			Momentary Peak Yield			23.39	Liters/Second/Square KM.					

WATER YEAR : 2021**MUN RIVER BASIN****Mun River at Ban Dan Taka, Nakhon Ratchasima (M.2A)**

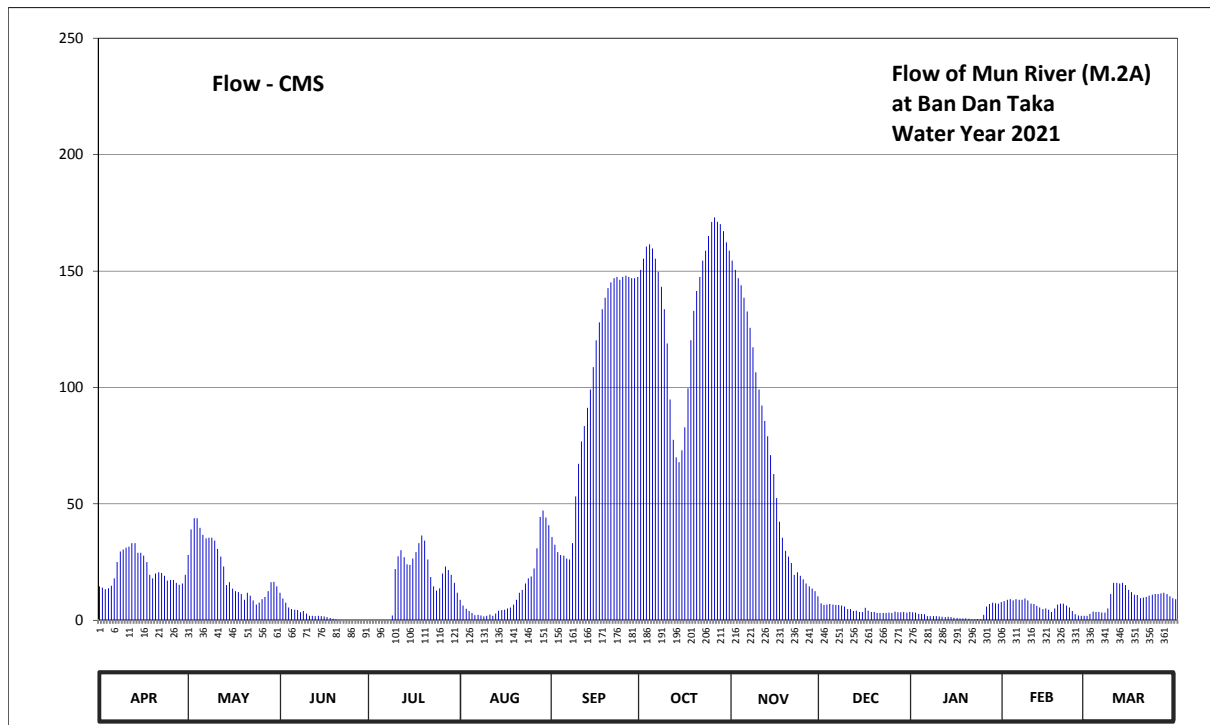
Lat 14 - 58 - 05 N Long 102 - 14 - 16 E

Location : on left bank at Ban Dan Taka.

	Ban	Dan Taka	Amphoe	Chaloem Phra Kiat	Changwat	Nakhon Ratchasima
Drainage Area	4,724	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 left bank downstream at the footpath.				Elevation	+169.284 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 good. Stage-discharge relation defined by 24 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	162.98	163.52	162.87	161.18	162.75	163.79	167.23	167.28	162.69	162.49	162.73	162.38	
2	162.96	163.90	162.77	161.12	162.64	163.68	167.29	167.23	162.65	162.48	162.75	162.45	
3	162.93	164.06	162.70	161.07	162.57	163.57	167.35	167.18	162.66	162.45	162.76	162.51	
4	162.95	164.06	162.60	161.03	162.52	163.52	167.36	167.13	162.67	162.45	162.74	162.50	
5	162.99	163.92	162.56	161.00	162.47	163.51	167.34	167.04	162.66	162.44	162.76	162.50	
6	163.12	163.82	162.55	161.00	162.41	163.46	167.29	166.90	162.65	162.36	162.75	162.48	
7	163.40	163.77	162.54	161.01	162.42	163.44	167.22	166.70	162.65	162.34	162.75	162.48	
8	163.58	163.78	162.49	161.11	162.39	163.70	167.12	166.46	162.64	162.36	162.77	162.58	
9	163.61	163.78	162.52	162.40	162.33	164.37	166.93	166.15	162.62	162.34	162.74	162.85	
10	163.64	163.74	162.46	163.28	162.37	164.84	166.51	165.90	162.56	162.33	162.68	163.04	
11	163.65	163.62	162.38	163.50	162.43	165.16	165.76	165.67	162.56	162.28	162.67	163.04	
12	163.70	163.49	162.38	163.60	162.38	165.38	165.18	165.45	162.52	162.27	162.63	163.03	
13	163.70	163.32	162.35	163.48	162.46	165.64	164.93	165.23	162.53	162.28	162.60	163.04	
14	163.56	163.00	162.38	163.36	162.53	165.90	164.86	164.96	162.50	162.26	162.56	163.00	
15	163.56	163.05	162.34	163.35	162.54	166.22	165.03	164.69	162.50	162.22	162.58	162.92	
16	163.51	162.94	162.31	163.46	162.55	166.55	165.36	164.35	162.59	162.16	162.55	162.88	
17	163.40	162.90	162.26	163.57	162.58	166.77	165.92	164.01	162.53	162.13	162.50	162.84	
18	163.18	162.88	162.17	163.70	162.60	166.93	166.55	163.78	162.50	162.13	162.58	162.83	
19	163.12	162.85	162.04	163.81	162.66	167.04	166.91	163.59	162.50	162.09	162.66	162.78	
20	163.20	162.75	161.93	163.74	162.75	167.11	167.09	163.49	162.47	162.03	162.68	162.79	
21	163.22	162.87	161.84	163.44	162.87	167.15	167.19	163.38	162.47	161.93	162.68	162.80	
22	163.21	162.82	161.75	163.14	162.92	167.18	167.28	163.18	162.47	161.94	162.64	162.82	
23	163.16	162.74	161.66	162.98	163.03	167.19	167.33	163.22	162.47	162.01	162.60	162.84	
24	163.08	162.66	161.57	162.91	163.12	167.17	167.40	163.16	162.48	161.94	162.52	162.85	
25	163.09	162.70	161.51	162.95	163.15	167.19	167.46	163.10	162.47	162.42	162.44	162.85	
26	163.09	162.76	161.44	163.20	163.29	167.20	167.48	163.03	162.51	162.62	162.39	162.86	
27	163.04	162.80	161.38	163.32	163.63	167.19	167.46	162.98	162.49	162.67	162.38	162.87	
28	163.01	162.90	161.33	163.26	164.08	167.18	167.45	162.94	162.49	162.70	162.38	162.85	
29	163.03	163.05	161.28	163.18	164.17	167.18	167.42	162.90	162.50	162.69		162.81	
30	163.18	163.06	161.23	163.04	164.07	167.19	167.37	162.81	162.48	162.68		162.78	
31		162.98		162.87	163.96		167.33		162.50	162.71		162.76	
Mean	163.26	163.24	162.12	162.71	162.86	165.75	166.79	164.80	162.55	162.33	162.62	162.77	
Max	163.70	164.06	162.87	163.81	164.17	167.20	167.48	167.28	162.69	162.71	162.77	163.04	167.48
Min	162.93	162.66	161.23	161.00	162.33	163.44	164.86	162.81	162.47	161.93	162.38	162.38	161.00
Annual Max Momentary Gage Height	167.48		m. (MSL.) ,			at 19.00 Hours ,	on Oct 25, 2021						
Zero Gage at Bottom Elevation		161.00	m. (MSL.) ,			River Bed	159.21	m. (MSL.)					
Left Bank Elevation		169.02	m. (MSL.) ,										
Right Bank Elevation		169.03	m. (MSL.) ,			Drainage Are	4,724	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	14.50	28.00	11.75	0.00	8.75	35.70	150.40	154.40	7.30	3.35	8.25	1.90		
2	14.00	39.00	9.25	0.00	6.30	32.40	155.20	150.40	6.50	3.20	8.75	2.75		
3	13.25	43.80	7.50	0.00	4.90	29.25	160.50	146.80	6.70	2.75	9.00	3.70		
4	13.75	43.80	5.50	0.00	3.90	28.00	161.40	143.80	6.90	2.75	8.50	3.50		
5	14.75	39.60	4.70	0.00	3.05	27.75	159.60	138.40	6.70	2.60	9.00	3.50		
6	18.00	36.60	4.50	0.00	2.15	26.50	155.20	132.50	6.50	1.80	8.75	3.20		
7	25.00	35.10	4.30	0.00	2.30	26.00	149.60	125.50	6.50	1.70	8.75	3.20		
8	29.50	35.40	3.35	0.00	1.95	33.00	143.20	117.10	6.30	1.80	9.25	5.10		
9	30.30	35.40	3.90	2.00	1.65	53.10	133.55	106.50	5.90	1.70	8.50	11.25		
10	31.20	34.20	2.90	22.00	1.85	67.20	118.85	99.00	4.70	1.65	7.10	16.00		
11	31.50	30.60	1.90	27.50	2.45	76.80	94.80	92.10	4.70	1.40	6.90	16.00		
12	33.00	27.25	1.90	30.00	1.90	83.40	77.40	85.50	3.90	1.35	6.10	15.75		
13	33.00	23.00	1.75	27.00	2.90	91.20	69.90	78.90	4.10	1.40	5.50	16.00		
14	29.00	15.00	1.90	24.00	4.10	99.00	67.80	70.80	3.50	1.30	4.70	15.00		
15	29.00	16.25	1.70	23.75	4.30	108.70	72.90	62.70	3.50	1.10	5.10	13.00		
16	27.75	13.50	1.55	26.50	4.50	120.25	82.80	52.50	5.30	0.90	4.50	12.00		
17	25.00	12.50	1.30	29.25	5.10	127.95	99.60	42.30	4.10	0.83	3.50	11.00		
18	19.50	12.00	0.93	33.00	5.50	133.55	120.25	35.40	3.50	0.83	5.10	10.75		
19	18.00	11.25	0.60	36.30	6.70	138.40	132.85	29.75	3.50	0.73	6.70	9.50		
20	20.00	8.75	0.33	34.20	8.75	142.60	141.40	27.25	3.05	0.58	7.10	9.75		
21	20.50	11.75	0.10	26.00	11.75	145.00	147.40	24.50	3.05	0.33	7.10	10.00		
22	20.25	10.50	0.00	18.50	13.00	146.80	154.40	19.50	3.05	0.35	6.30	10.50		
23	19.00	8.50	0.00	14.50	15.75	147.40	158.70	20.50	3.05	0.53	5.50	11.00		
24	17.00	6.70	0.00	12.75	18.00	146.20	165.00	19.00	3.20	0.35	3.90	11.25		
25	17.25	7.50	0.00	13.75	18.75	147.40	171.00	17.50	3.05	2.30	2.60	11.25		
26	17.25	9.00	0.00	20.00	22.25	148.00	173.00	15.75	3.70	5.90	1.95	11.50		
27	16.00	10.00	0.00	23.00	30.90	147.40	171.00	14.50	3.35	6.90	1.90	11.75		
28	15.25	12.50	0.00	21.50	44.40	146.80	170.00	13.50	3.35	7.50	1.90	11.25		
29	15.75	16.25	0.00	19.50	47.10	146.80	167.00	12.50	3.50	7.30		10.25		
30	19.50	16.50	0.00	16.00	44.10	147.40	162.30	10.25	3.20	7.10		9.50		
31		14.50		11.75	40.80		158.70		3.50	7.75		9.00		
Total	647.75	664.70	71.61	512.75	389.80	2949.95	4245.70	2059.10	139.15	80.03	172.20	300.10	12232.84	CMSDAY
Mean	21.59	21.44	2.39	16.54	12.57	98.33	136.96	68.64	4.49	2.58	6.15	9.68	33.51	CMS
Max	33.00	43.80	11.75	36.30	47.10	148.00	173.00	154.40	7.30	7.75	9.25	16.00	173.00	CMS
Min	13.25	6.70	0.00	0.00	1.65	26.00	67.80	10.25	3.05	0.33	1.90	1.90	0.00	CMS
Runoff	55.97	57.43	6.19	44.30	33.68	254.88	366.83	177.91	12.02	6.91	14.88	25.93	1056.92	MCM
Momentary Peak	173.00 CMS. at 167.48 m. (MSL.) at 19.00 Hours , on Oct 25, 2021													
Runoff Yield	7.09	Liters/Second/Square KM.		Momentary Peak Yield		36.62	Liters/Second/Square KM.							

WATER YEAR : 2021**MUN RIVER BASIN****Mun River at Ban Phong Sawai, Surin (M.4)**

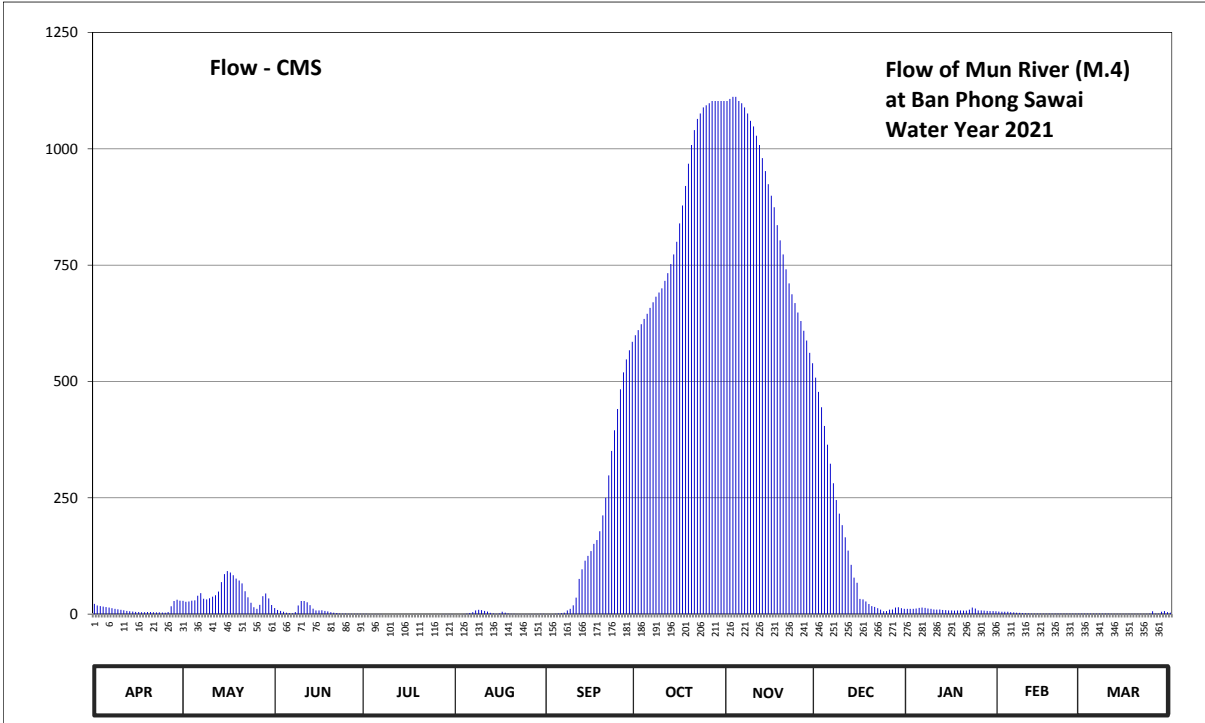
Lat 15 - 19 - 46 N Long 103 - 40 - 57 E

Location : on left bank at the bridge on highway.

	Ban	Phong Sawai	Amphoe	Tha Tum	Changwat	Surin
Drainage Area	34,623	sq.km.				
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	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 53 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	118.04	118.17	117.80	117.03	116.85	116.97	123.53	125.35	122.88	118.52	118.41	118.18	
2	117.96	118.13	117.66	117.01	116.84	116.92	123.61	125.36	122.66	118.52	118.40	118.18	
3	117.93	118.14	117.59	116.98	116.84	116.93	123.70	125.37	122.42	118.52	118.40	118.16	
4	117.90	118.18	117.51	116.95	116.89	117.01	123.78	125.37	122.11	118.53	118.40	118.15	
5	117.87	118.19	117.41	116.92	117.16	117.25	123.86	125.35	121.80	118.55	118.38	118.14	
6	117.84	118.39	117.32	116.90	117.35	117.31	123.95	125.34	121.46	118.56	118.37	118.12	
7	117.79	118.47	117.28	116.88	117.46	117.40	124.03	125.32	121.11	118.55	118.35	118.13	
8	117.74	118.26	117.47	116.85	117.63	117.63	124.10	125.29	120.78	118.53	118.34	118.14	
9	117.71	118.23	117.96	116.82	117.68	117.74	124.15	125.25	120.49	118.52	118.33	118.14	
10	117.68	118.28	118.16	116.80	117.65	117.97	124.20	125.22	120.24	118.50	118.32	118.13	
11	117.64	118.35	118.16	116.79	117.59	118.31	124.26	125.17	119.98	118.49	118.31	118.11	
12	117.60	118.41	118.11	116.77	117.52	118.91	124.32	125.12	119.68	118.50	118.30	118.10	
13	117.56	118.52	117.98	116.77	117.38	119.18	124.39	125.05	119.30	118.48	118.29	118.08	
14	117.53	118.81	117.75	116.77	117.23	119.41	124.46	124.98	118.95	118.47	118.28	118.05	
15	117.49	119.05	117.63	116.76	117.13	119.54	124.55	124.91	118.79	118.46	118.28	118.03	
16	117.47	119.13	117.63	116.75	117.23	119.67	124.67	124.84	118.76	118.46	118.27	118.03	
17	117.46	119.09	117.64	116.75	117.51	119.84	124.78	124.77	118.75	118.45	118.25	118.03	
18	117.46	119.02	117.60	116.75	117.40	119.92	124.90	124.66	118.71	118.46	118.23	118.03	
19	117.48	118.92	117.54	116.74	117.24	120.11	125.02	124.56	118.65	118.46	118.23	118.05	
20	117.47	118.86	117.46	116.73	117.12	120.45	125.12	124.46	118.60	118.45	118.23	118.04	
21	117.46	118.77	117.40	116.71	117.05	120.83	125.20	124.35	118.58	118.45	118.23	118.04	
22	117.44	118.53	117.33	116.68	116.99	121.25	125.26	124.24	118.54	118.49	118.23	118.05	
23	117.43	118.32	117.24	116.68	116.96	121.69	125.29	124.13	118.49	118.56	118.22	118.09	
24	117.42	118.09	117.18	116.70	116.96	122.04	125.32	124.02	118.42	118.53	118.22	118.30	
25	117.41	117.86	117.15	116.77	116.95	122.39	125.33	123.88	118.43	118.46	118.22	118.42	
26	117.47	117.74	117.11	116.85	116.95	122.70	125.34	123.75	118.49	118.46	118.22	118.22	
27	117.92	118.00	117.08	116.85	116.95	122.96	125.35	123.60	118.50	118.45	118.21	118.23	
28	118.16	118.37	117.05	116.86	116.94	123.16	125.35	123.45	118.56	118.44	118.19	118.40	
29	118.22	118.46	117.04	116.88	116.96	123.30	125.35	123.26	118.57	118.43		118.43	
30	118.18	118.27	117.05	116.87	117.01	123.43	125.35	123.10	118.54	118.43		118.38	
31		117.99		116.86	117.01		125.35		118.52	118.42		118.35	
Mean	117.69	118.42	117.51	116.82	117.18	119.74	124.64	124.65	119.67	118.49	118.29	118.16	
Max	118.22	119.13	118.16	117.03	117.68	123.43	125.35	125.37	122.88	118.56	118.41	118.43	125.37
Min	117.41	117.74	117.04	116.68	116.84	116.92	123.53	123.10	118.42	118.42	118.19	118.03	116.68
Annual Max Momentary Gage Height	125.37		m. (MSL.) ,			at 01.00 Hours ,	on Nov 3, 2021						
Zero Gage at Bottom Elevation	117.00		m. (MSL.) ,			River Bed	115.84	m. (MSL.)					
Left Bank Elevation		128.76		m. (MSL.) ,									
Right Bank Elevation		129.31		m. (MSL.) ,		Drainage Are	34,623	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	22.00	28.50	13.00	0.58	0.13	0.43	599.20	1102.50	508.20	11.40	5.50	0.88		
	2	18.40	26.50	8.80	0.53	0.10	0.30	610.40	1107.00	477.40	11.40	5.00	0.88		
	3	17.20	27.00	6.80	0.45	0.10	0.33	623.00	1111.50	444.60	11.40	5.00	0.87		
	4	16.00	29.00	5.20	0.38	0.23	0.53	634.20	1111.50	404.30	12.10	5.00	0.86		
	5	15.10	29.50	3.20	0.30	0.90	1.50	645.40	1102.50	364.00	13.50	4.20	0.85		
	6	14.20	39.50	2.20	0.25	2.50	2.10	658.00	1098.00	323.20	14.20	3.80	0.84		
	7	12.70	44.90	1.80	0.20	4.20	3.00	670.10	1089.00	281.20	13.50	3.00	0.84		
	8	11.20	33.00	4.40	0.13	7.90	7.90	682.00	1076.00	245.00	12.10	2.60	0.85		
	9	10.30	31.50	18.40	0.05	9.40	11.20	691.00	1060.00	216.00	11.40	2.20	0.85		
	10	9.40	34.00	28.00	0.00	8.50	18.80	700.00	1048.00	191.00	10.00	1.80	0.84		
	11	8.20	37.50	28.00	0.00	6.80	35.50	716.20	1028.00	165.00	9.50	1.40	0.83		
	12	7.00	40.70	25.50	0.00	5.40	75.70	732.60	1008.00	136.40	10.00	1.00	0.82		
	13	6.20	48.40	19.20	0.00	2.80	96.40	752.20	980.00	106.00	9.00	0.99	0.80		
	14	5.60	68.70	11.50	0.00	1.30	114.80	773.00	952.00	78.50	8.50	0.98	0.78		
	15	4.80	86.00	7.90	0.00	0.83	125.20	800.00	924.00	67.30	8.00	0.98	0.76		
	16	4.40	92.40	7.90	0.00	1.30	135.60	839.50	899.00	32.60	8.00	0.97	0.76		
	17	4.20	89.20	8.20	0.00	5.20	151.00	878.00	874.50	31.50	7.50	0.95	0.76		
	18	4.20	83.60	7.00	0.00	3.00	159.00	920.00	836.00	27.10	8.00	0.93	0.76		
	19	4.60	76.40	5.80	0.00	1.40	178.00	968.00	803.00	21.50	8.00	0.93	0.78		
	20	4.40	72.20	4.20	0.00	0.80	212.00	1008.00	773.00	17.00	7.50	0.93	0.77		
	21	4.20	65.90	3.00	0.00	0.63	250.00	1040.00	741.00	15.60	7.50	0.93	0.77		
	22	3.80	49.10	2.30	0.00	0.48	298.00	1064.00	710.80	12.80	9.50	0.93	0.78		
	23	3.60	36.00	1.40	0.00	0.40	350.80	1076.00	687.40	9.50	14.20	0.92	0.81		
	24	3.40	24.50	0.95	0.00	0.40	395.20	1089.00	668.40	6.00	12.10	0.92	1.00		
	25	3.20	14.80	0.88	0.00	0.38	440.70	1093.50	648.20	6.50	8.00	0.92	6.00		
	26	4.40	11.20	0.78	0.13	0.38	483.00	1098.00	630.00	9.50	8.00	0.92	0.92		
	27	16.80	20.00	0.70	0.13	0.38	519.40	1102.50	609.00	10.00	7.50	0.91	0.93		
	28	28.00	38.50	0.63	0.15	0.35	547.40	1102.50	588.00	14.20	7.00	0.89	5.00		
	29	31.00	44.20	0.60	0.20	0.40	567.00	1102.50	561.40	14.90	6.50		6.50		
	30	29.00	33.50	0.63	0.18	0.53	585.20	1102.50	539.00	12.80	6.50		4.20		
	31		19.60		0.15	0.53		1102.50		11.40	6.00		3.00		
Total		327.50	1375.80	228.87	3.81	67.65	5765.99	26873.80	26366.70	4261.00	297.80	55.50	46.29	65670.71	CMSDAY
Mean		10.92	44.38	7.63	0.12	2.18	192.20	866.90	878.89	137.45	9.61	1.98	1.49	179.92	CMS
Max		31.00	92.40	28.00	0.58	9.40	585.20	1102.50	1111.50	508.20	14.20	5.50	6.50	1111.50	CMS
Min		3.20	11.20	0.60	0.00	0.10	0.30	599.20	539.00	6.00	6.00	0.89	0.76	0.00	CMS
Runoff		28.30	118.87	19.77	0.33	5.84	498.18	2321.90	2278.08	368.15	25.73	4.80	4.00	5673.95	MCM
Momentary Peak		CMS. at 125.37 m. (MSL.) at 01.00 Hours , on Nov 3, 2021													
Runoff Yield		5.20	Liters/Second/Square KM.			Momentary Peak Yield	32.10	Liters/Second/Square KM.							

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.

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	112.43	110.41	111.09	110.58	110.29	110.65	117.79	120.33	117.71	112.60	112.54	112.31	
2	112.69	110.42	111.09	110.53	110.28	110.75	117.85	120.38	117.15	112.60	112.54	112.31	
3	112.70	110.44	111.08	110.50	110.27	110.87	117.98	120.42	116.83	112.59	112.53	112.31	
4	111.85	110.43	111.08	110.46	110.26	111.02	118.08	120.43	116.47	112.60	112.53	112.31	
5	111.64	110.43	111.08	110.44	110.25	111.21	118.17	120.44	116.26	112.60	112.52	112.30	
6	111.55	110.43	111.07	110.39	110.24	111.50	118.23	120.46	116.15	112.61	112.52	112.29	
7	111.49	110.42	111.09	110.36	110.22	111.68	118.27	120.46	115.76	112.62	112.51	112.28	
8	111.29	110.42	111.05	110.34	110.21	111.75	118.26	120.46	114.63	112.63	112.49	112.27	
9	111.19	110.52	110.99	110.34	110.19	111.71	118.31	120.46	113.57	112.64	112.48	112.26	
10	111.08	110.90	110.95	110.32	110.17	111.62	118.29	120.45	112.95	112.65	112.47	112.25	
11	111.00	111.10	110.93	110.29	110.17	111.65	118.31	120.42	112.49	112.65	112.46	112.24	
12	110.89	111.07	110.93	110.26	110.21	111.45	118.27	120.39	112.42	112.65	112.45	112.24	
13	110.80	111.02	110.94	110.23	110.19	111.40	118.26	120.35	112.43	112.67	112.45	112.24	
14	110.76	110.99	110.98	110.24	110.20	111.53	118.22	120.31	112.43	112.68	112.45	112.24	
15	110.78	110.95	111.05	110.31	110.25	111.72	118.15	120.25	112.44	112.67	112.44	112.23	
16	110.86	110.91	111.07	110.30	110.26	111.68	118.13	120.18	112.47	112.67	112.43	112.22	
17	110.88	111.10	111.13	110.28	110.27	111.96	118.17	120.11	112.51	112.66	112.42	112.22	
18	110.84	111.41	111.14	110.26	110.26	112.40	118.20	120.02	112.54	112.66	112.41	112.22	
19	110.69	111.75	111.09	110.24	110.26	112.40	118.35	119.93	112.54	112.65	112.40	112.27	
20	110.65	112.14	111.04	110.23	110.28	112.43	118.51	119.80	112.57	112.65	112.40	112.32	
21	110.75	112.24	110.99	110.21	110.28	113.01	118.66	119.65	112.59	112.65	112.39	112.31	
22	110.75	112.26	110.97	110.19	110.28	114.09	118.87	119.53	112.60	112.65	112.38	112.28	
23	110.73	112.28	110.94	110.15	110.30	114.32	119.18	119.40	112.61	112.64	112.37	112.26	
24	110.67	112.37	110.86	110.18	110.34	114.92	119.36	119.28	112.62	112.63	112.36	112.25	
25	110.56	112.50	110.79	110.24	110.36	116.02	119.52	119.14	112.62	112.63	112.34	112.24	
26	110.52	112.30	110.74	110.30	110.38	116.25	119.66	118.98	112.62	112.62	112.33	112.23	
27	110.48	111.74	110.69	110.32	110.41	116.61	119.84	118.74	112.62	112.61	112.32	112.23	
28	110.45	111.57	110.65	110.31	110.44	116.84	120.01	118.51	112.62	112.60	112.31	112.23	
29	110.41	111.43	110.62	110.31	110.46	117.27	120.13	118.28	112.62	112.59		112.22	
30	110.40	111.31	110.61	110.30	110.52	117.59	120.20	118.05	112.62	112.56		112.19	
31		111.19		110.31	110.58		120.25		112.61	112.54		112.16	
Mean	111.06	111.24	110.96	110.31	110.29	112.94	118.69	119.85	113.58	112.63	112.44	112.26	
Max	112.70	112.50	111.14	110.58	110.58	117.59	120.25	120.46	117.71	112.68	112.54	112.32	120.46
Min	110.40	110.41	110.61	110.15	110.17	110.65	117.79	118.05	112.42	112.54	112.31	112.16	110.15
Annual Max Momentary Gage Height		120.46	m. (MSL.) , at 06.00 Hours , on Nov 6, 2021										
Zero Gage at Bottom Elevation		110.00	m. (MSL.) , River Bed 108.92 m. (MSL.)										
Left Bank Elevation		124.56	m. (MSL.) ,										
Right Bank Elevation		122.47	m. (MSL.) , Drainage Are 45,136 Square Kilometers										

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	104.25	4.20	8.90	3.80	1.14	4.50	772.30	1518.80	758.70	0.00	0.00	0.00	
2	123.75	4.40	8.90	3.30	1.08	5.50	783.00	1536.80	674.00	0.00	0.00	0.00	
3	124.50	4.80	8.80	3.00	1.02	6.70	806.40	1551.20	632.60	0.00	0.00	0.00	
4	67.00	4.60	8.80	2.60	0.96	8.20	830.80	1554.80	591.70	0.00	0.00	0.00	
5	54.40	4.60	8.80	2.40	0.90	10.13	854.20	1558.40	568.60	0.00	0.00	0.00	
6	49.00	4.60	8.70	1.92	0.84	13.75	869.80	1565.60	556.50	0.00	0.00	0.00	
7	45.50	4.40	8.90	1.68	0.72	16.00	880.20	1565.60	513.60	0.00	0.00	0.00	
8	35.50	4.40	8.50	1.52	0.66	16.88	877.60	1565.60	389.30	0.00	0.00	0.00	
9	30.50	18.00	7.90	1.52	0.56	16.38	890.60	1565.60	279.00	0.00	0.00	0.00	
10	25.20	39.00	7.50	1.36	0.48	15.25	885.40	1562.00	217.00	0.00	0.00	0.00	
11	22.00	51.50	7.30	1.14	0.48	15.63	890.60	1551.20	171.00	0.00	0.00	0.00	
12	17.70	49.55	7.30	0.96	0.66	13.13	880.20	1540.40	164.00	0.00	0.00	0.00	
13	15.00	46.30	7.40	0.78	0.56	12.50	877.60	1526.00	26.60	0.00	0.00	0.00	
14	13.80	44.40	7.80	0.84	0.60	82.70	867.20	1511.60	26.60	0.00	0.00	0.00	
15	14.40	42.00	8.50	1.28	0.90	99.80	849.00	1490.00	26.80	0.00	0.00	0.00	
16	16.80	39.60	8.70	1.20	0.96	96.20	843.80	1464.80	27.40	0.00	0.00	0.00	
17	17.40	51.50	9.30	1.08	1.02	121.40	854.20	1439.60	28.40	0.00	0.00	0.00	
18	16.20	72.80	9.40	0.96	0.96	162.00	862.00	1407.20	29.60	0.00	0.00	0.00	
19	11.70	102.50	8.90	0.84	0.96	162.00	901.00	1377.60	29.60	0.00	0.00	0.00	
20	10.50	137.60	8.40	0.78	1.08	165.00	942.80	1336.00	30.80	0.00	0.00	0.00	
21	13.50	146.60	7.90	0.66	1.08	223.00	984.80	1288.00	31.60	0.00	0.00	0.00	
22	13.50	148.40	7.70	0.56	1.08	331.00	1046.00	1249.60	32.00	0.00	0.00	0.00	
23	12.90	150.20	7.40	0.40	1.20	355.20	1139.00	1208.00	32.40	0.00	0.00	0.00	
24	11.10	159.00	6.60	0.52	1.52	421.20	1195.20	1169.80	32.80	0.00	0.00	0.00	
25	7.80	172.00	5.90	0.84	1.68	542.20	1246.40	1127.00	32.80	0.00	0.00	0.00	
26	6.60	152.00	5.40	1.20	1.84	567.50	1291.20	1079.00	0.00	0.00	0.00	0.00	
27	5.60	16.75	4.90	1.36	2.10	607.10	1348.80	1007.60	0.00	0.00	0.00	0.00	
28	5.00	14.63	4.50	1.28	2.40	633.80	1403.60	942.80	0.00	0.00	0.00	0.00	
29	4.20	12.88	4.20	1.28	2.60	690.80	1446.80	882.80	0.00	0.00	0.00	0.00	
30	4.00	11.38	4.10	1.20	3.20	739.40	1472.00	823.00	0.00	0.00	0.00	0.00	
31		9.90		1.28									

WATER YEAR : 2021**MUN RIVER BASIN****Mun River at Ban Satuk, Buri Ram (M.6A)**

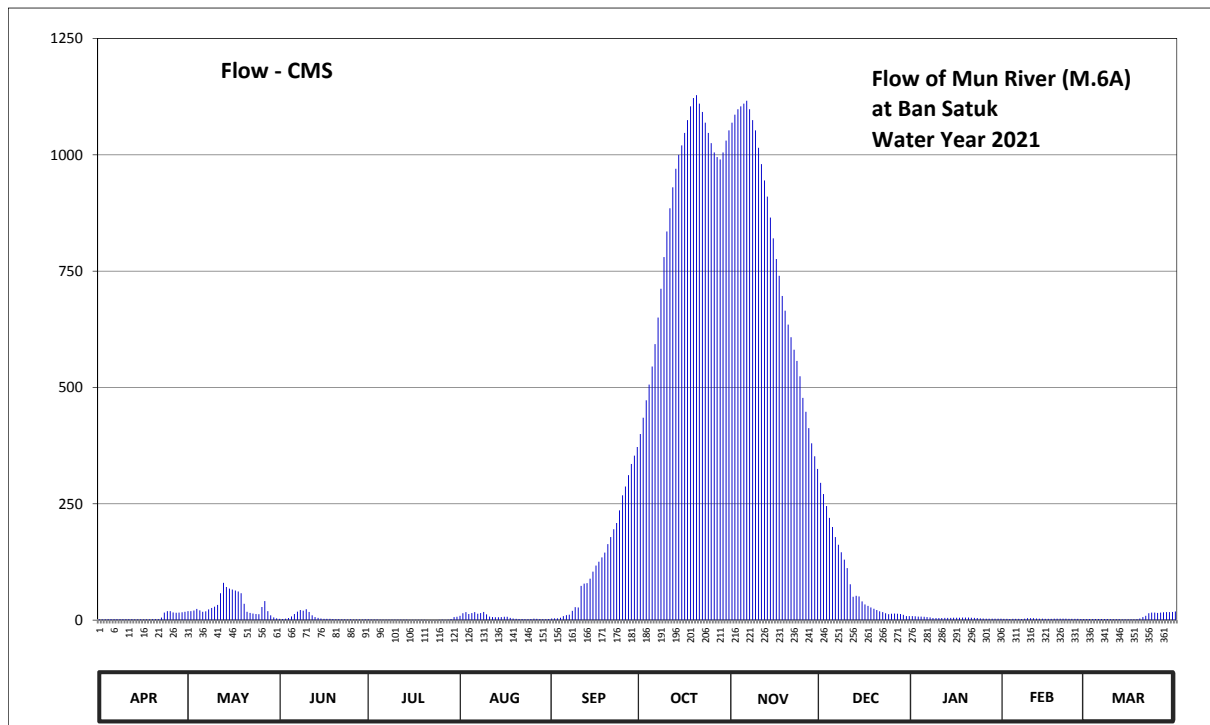
Lat 15 - 18 - 00 N Long 103 - 17 - 32 E

Location : on right bank at Satuk.

	Ban Satuk	Amphoe Satuk	Changwat Buri Ram
Drainage Area	28,357 sq.km.		
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.), records are channel flow only.		
General Description	Records very good. Stage-discharge relation defined by 63 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	123.05	124.16	123.22	123.01	123.66	123.28	128.95	130.78	128.30	123.62	123.23	123.17	
2	123.05	124.16	123.20	123.00	123.93	123.32	129.10	130.81	128.06	123.61	123.22	123.17	
3	123.06	124.22	123.27	122.97	124.06	123.32	129.25	130.83	127.80	123.58	123.20	123.17	
4	123.08	124.34	123.36	122.94	123.85	123.40	129.37	130.84	127.54	123.56	123.22	123.16	
5	123.14	124.23	123.59	122.92	123.95	123.63	129.50	130.85	127.30	123.54	123.22	123.16	
6	123.14	124.09	123.86	122.90	124.06	123.73	129.66	130.86	127.03	123.51	123.21	123.16	
7	123.12	124.14	124.11	122.89	123.88	123.79	129.85	130.83	126.80	123.45	123.20	123.15	
8	123.11	124.30	124.26	122.90	123.95	124.19	130.03	130.79	126.57	123.36	123.25	123.15	
9	123.10	124.44	124.21	122.89	124.07	124.51	130.20	130.75	126.34	123.36	123.35	123.12	
10	123.10	124.55	124.32	122.88	123.82	124.48	130.32	130.68	126.08	123.37	123.33	123.10	
11	123.09	124.72	124.07	122.87	123.58	125.45	130.42	130.61	125.50	123.37	123.34	123.09	
12	123.08	125.21	123.71	122.86	123.51	125.52	130.51	130.54	125.10	123.38	123.30	123.08	
13	123.07	125.55	123.50	122.87	123.48	125.54	130.59	130.47	125.13	123.39	123.26	123.07	
14	123.06	125.41	123.39	122.87	123.48	125.70	130.65	130.38	125.11	123.39	123.24	123.06	
15	123.06	125.36	123.29	122.85	123.49	125.95	130.69	130.29	124.95	123.40	123.23	123.06	
16	123.06	125.33	123.21	122.85	123.55	126.16	130.74	130.19	124.76	123.42	123.22	123.05	
17	123.06	125.30	123.21	122.83	123.54	126.28	130.79	130.10	124.62	123.42	123.23	123.04	
18	123.07	125.27	123.21	122.80	123.38	126.41	130.84	129.99	124.47	123.43	123.25	123.08	
19	123.10	125.21	123.18	122.78	123.28	126.56	130.87	129.90	124.36	123.44	123.24	123.28	
20	123.09	124.81	123.13	122.77	123.23	126.82	130.88	129.80	124.26	123.43	123.24	123.50	
21	123.10	124.10	123.08	122.75	123.18	127.03	130.85	129.71	124.15	123.42	123.25	123.67	
22	123.43	123.98	123.04	122.74	123.15	127.24	130.82	129.62	124.06	123.39	123.24	123.94	
23	124.01	123.91	123.01	122.73	123.13	127.41	130.78	129.54	123.94	123.36	123.23	124.01	
24	124.16	123.86	123.00	122.74	123.14	127.71	130.74	129.43	123.84	123.32	123.22	124.00	
25	124.16	123.83	123.03	122.80	123.19	128.03	130.70	129.27	123.89	123.28	123.22	123.98	
26	124.03	124.52	123.00	122.86	123.25	128.22	130.66	129.15	123.91	123.26	123.21	124.01	
27	123.99	124.96	122.99	122.85	123.21	128.41	130.64	129.01	123.89	123.24	123.20	124.04	
28	124.00	124.16	123.00	122.87	123.16	128.57	130.63	128.85	123.85	123.24	123.19	124.06	
29	124.04	123.72	122.99	123.20	123.13	128.69	130.66	128.68	123.76	123.25		124.05	
30	124.09	123.46	123.02	123.49	123.11	128.81	130.71	128.50	123.63	123.25		124.07	
31		123.31		123.55	123.16		130.75		123.63	123.24		124.13	
Mean	123.36	124.47	123.38	122.91	123.50	125.94	130.36	130.07	125.25	123.40	123.24	123.44	
Max	124.16	125.55	124.32	123.55	124.07	128.81	130.88	130.86	128.30	123.62	123.35	124.13	130.88
Min	123.05	123.31	122.99	122.73	123.11	123.28	128.95	128.50	123.63	123.24	123.19	123.04	122.73
Annual Max Momentary Gage Height	130.88		m. (MSL.) ,			at 12.00 Hours ,	on Oct 19, 2021						
Zero Gage at Bottom Elevation	123.00		m. (MSL.) ,			River Bed	121.16	m. (MSL.)					
Left Bank Elevation		130.49		m. (MSL.) ,									
Right Bank Elevation		131.14		m. (MSL.) ,		Drainage Are	28,357	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.75	19.20	2.70	1.55	9.20	3.30	400.00	1069.00	295.00	8.40	2.80	2.35		
2	1.75	19.20	2.50	1.50	14.60	3.80	435.00	1086.00	271.00	8.20	2.70	2.35		
3	1.80	20.60	3.20	1.35	17.20	3.80	472.50	1098.00	245.00	7.70	2.50	2.35		
4	1.90	23.93	4.40	1.20	13.00	5.00	506.00	1104.00	219.60	7.40	2.70	2.30		
5	2.20	20.90	7.85	1.10	15.00	8.60	545.00	1110.00	200.00	7.10	2.70	2.30		
6	2.20	17.80	13.20	1.00	17.20	10.60	593.00	1116.00	178.40	6.65	2.60	2.30		
7	2.10	18.80	18.20	0.96	13.60	11.80	650.00	1098.00	162.00	5.75	2.50	2.25		
8	2.05	23.00	21.80	1.00	15.00	19.80	712.00	1074.50	145.90	4.40	3.00	2.25		
9	2.00	26.27	20.30	0.96	17.40	27.90	780.00	1052.50	129.80	4.40	4.25	2.10		
10	2.00	28.83	23.47	0.92	12.40	27.20	835.00	1015.00	111.80	4.55	3.95	2.00		
11	1.95	32.80	17.40	0.88	7.70	73.67	885.00	980.00	77.00	4.55	4.10	1.95		
12	1.90	57.67	10.20	0.84	6.65	78.20	930.00	945.00	50.33	4.70	3.50	1.90		
13	1.85	80.00	6.50	0.88	6.20	79.40	970.00	910.00	52.33	4.85	3.10	1.85		
14	1.80	71.00	4.85	0.88	6.20	89.00	1000.00	865.00	51.00	4.85	2.90	1.80		
15	1.80	67.67	3.40	0.80	6.35	104.00	1020.00	820.50	40.33	5.00	2.80	1.80		
16	1.80	65.67	2.60	0.80	7.25	117.20	1047.00	776.00	33.73	5.30	2.70	1.75		
17	1.80	63.67	2.60	0.72	7.10	125.60	1074.50	740.00	30.47	5.30	2.80	1.70		
18	1.85	61.67	2.60	0.60	4.70	134.70	1104.00	696.50	26.97	5.45	3.00	1.90		
19	2.00	57.67	2.40	0.54	3.30	145.20	1122.00	665.00	24.40	5.60	2.90	3.30		
20	1.95	34.90	2.15	0.51	2.80	163.40	1128.00	635.00	21.80	5.45	2.90	6.50		
21	2.00	18.00	1.90	0.45	2.40	178.40	1110.00	608.00	19.00	5.30	3.00	9.40		
22	5.45	15.60	1.70	0.42	2.25	195.20	1092.00	581.00	17.20	4.85	2.90	14.80		
23	16.20	14.20	1.55	0.39	2.15	208.80	1069.00	557.00	14.80	4.40	2.80	16.20		
24	19.20	13.20	1.50	0.42	2.20	236.00	1047.00	524.00	12.80	3.80	2.70	16.00		
25	19.20	12.60	1.65	0.60	2.45	268.00	1025.00	477.50	13.80	3.30	2.70	15.60		
26	16.60	28.13	1.50	0.84	3.00	287.00	1005.00	447.50	14.20	3.10	2.60	16.20		
27	15.80	41.00	1.45	0.80	2.60	311.50	995.00	412.50	13.80	2.90	2.50	16.80		
28	16.00	19.20	1.50	0.88	2.30	335.50	990.00	380.00	13.00	2.90	2.45	17.20		
29	16.80	10.40	1.45	2.50	2.15	353.50	1005.00	352.00	11.20	3.00		17.00		
30	17.80	5.90	1.60	6.35	2.05	372.00	1030.50	325.00	8.60	3.00		17.40		
31		3.65		7.25	2.30		1052.50		8.60	2.90		18.60		
Total	183.50	993.13	188.12	39.89	228.70	3978.07	27630.07	23520.50	2513.86	155.05	82.05	222.20	59735.07	CMSDAY
Mean	6.12	32.04	6.27	1.29	7.38	132.60	891.29	784.02	81.09	5.00	2.93	7.17	163.66	CMS
Max	19.20	80.00	23.47	7.25	17.40	372.00	1128.00	1116.00	295.00	8.40	4.25	18.60	1128.00	CMS
Min	1.75	3.65	1.45	0.39	2.05	3.30	400.00	325.00	8.60	2.90	2.45	1.70	0.39	CMS
Runoff	15.85	85.81	16.25	3.45	19.76	343.71	2387.23	2032.17	217.20	13.40	7.09	19.20	5161.11	MCM
Momentary Peak	1128.00 CMS. at 130.88 m. (MSL.) at 12.00 Hours , on Oct 19, 2021													
Runoff Yield	5.77	Liters/Second/Square KM.			Momentary Peak Yield			39.78	Liters/Second/Square KM.					

WATER YEAR : 2021**MUN RIVER BASIN****Mun River at Ban Chumchondeengam, Ubon Ratchathani (M.7)**

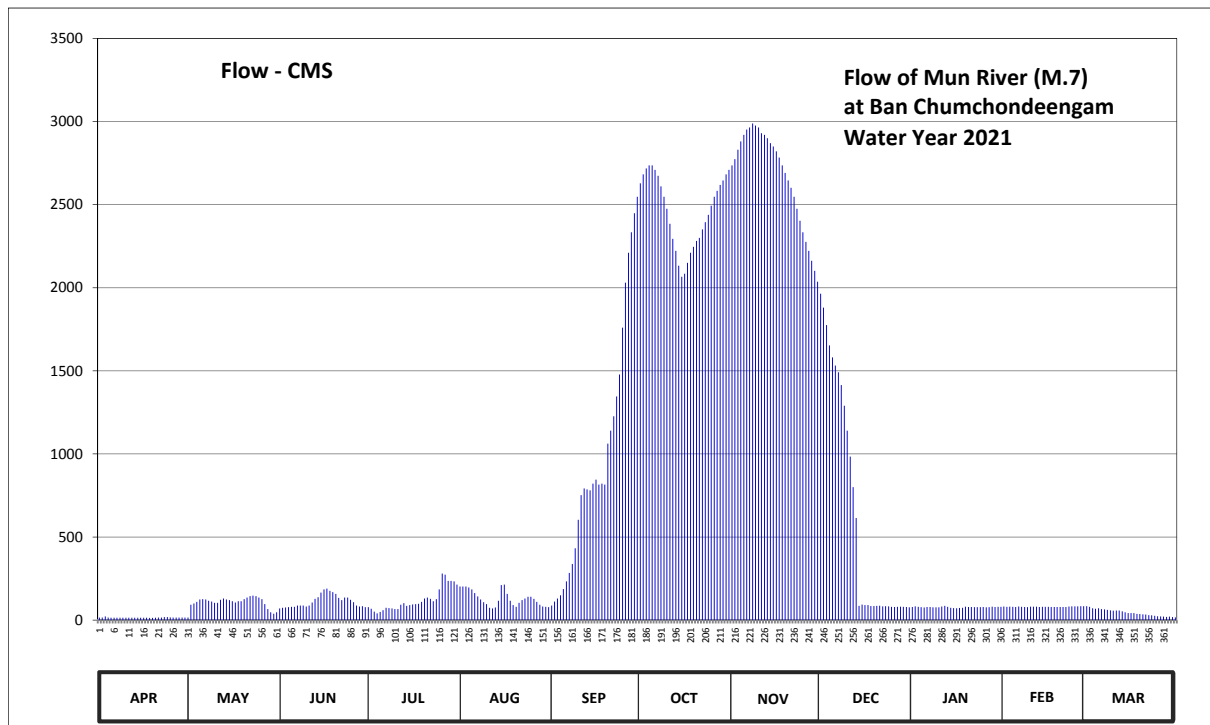
Lat 15 - 13 - 21 N Long 104 - 51 - 33 E

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	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 2021.					

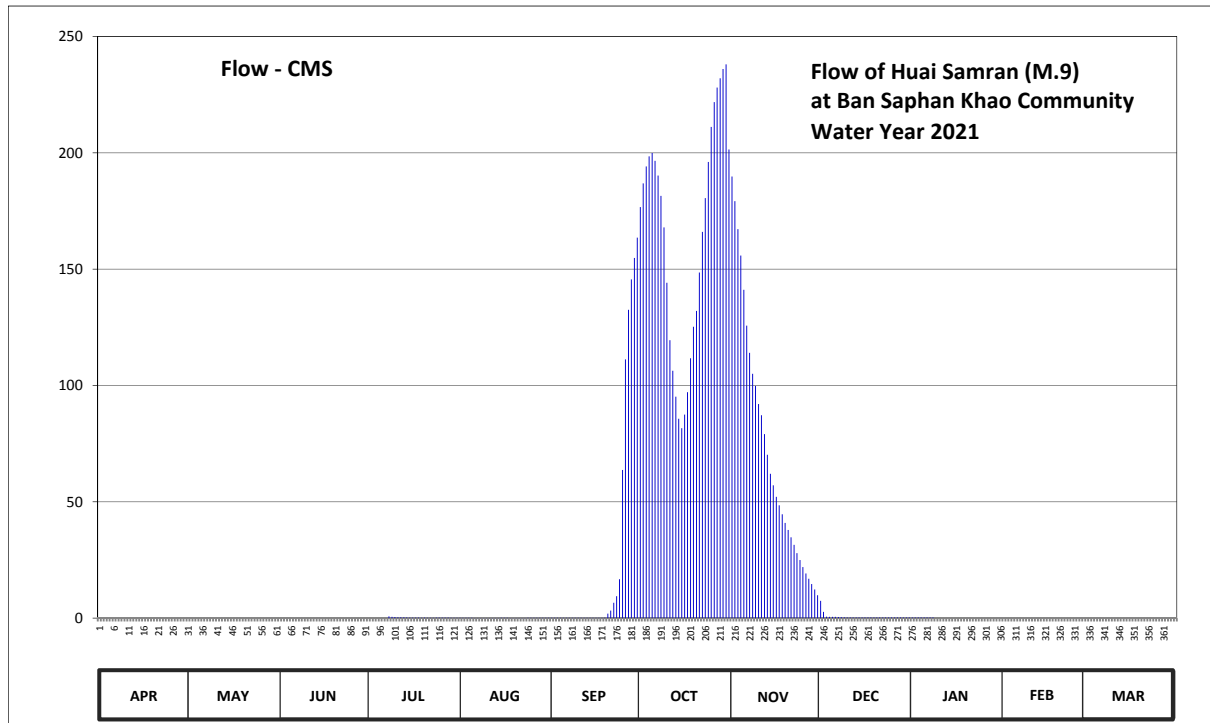
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	107.25	107.23	107.16	107.20	107.75	107.25	112.37	112.49	111.44	108.05	108.08	108.10	
2	107.27	107.27	107.18	107.15	107.75	107.37	112.43	112.53	111.30	108.09	108.06	108.06	
3	107.37	107.31	107.19	107.06	107.75	107.46	112.47	112.59	111.09	108.06	108.07	107.95	
4	107.23	107.36	107.20	107.00	107.73	107.55	112.49	112.64	110.84	108.03	108.06	107.92	
5	107.16	107.43	107.21	107.05	107.69	107.70	112.49	112.68	110.68	108.01	108.05	107.96	
6	107.18	107.44	107.21	107.11	107.61	107.85	112.46	112.71	110.57	108.04	108.08	107.90	
7	107.19	107.43	107.25	107.18	107.52	108.01	112.42	112.72	110.48	108.05	108.06	107.88	
8	107.20	107.39	107.25	107.17	107.43	108.16	112.35	112.74	110.31	108.02	108.04	107.84	
9	107.19	107.37	107.25	107.16	107.35	108.42	112.28	112.73	110.00	108.02	108.03	107.81	
10	107.20	107.33	107.22	107.14	107.29	108.83	112.20	112.72	109.62	108.02	108.07	107.78	
11	107.20	107.33	107.25	107.14	107.18	109.15	112.10	112.69	109.20	108.08	108.07	107.80	
12	107.19	107.42	107.34	107.27	107.16	109.22	111.99	112.68	108.70	108.13	108.07	107.80	
13	107.18	107.46	107.45	107.32	107.19	109.21	111.87	112.66	108.17	108.06	108.05	107.74	
14	107.17	107.43	107.50	107.24	107.39	109.20	111.72	112.63	108.13	107.99	108.06	107.67	
15	107.20	107.41	107.62	107.26	107.78	109.27	111.61	112.61	108.21	107.97	108.06	107.62	
16	107.17	107.38	107.69	107.28	107.79	109.31	111.64	112.58	108.18	107.96	108.06	107.61	
17	107.16	107.34	107.71	107.29	107.59	109.26	111.75	112.54	108.18	107.98	108.05	107.61	
18	107.15	107.38	107.66	107.30	107.39	109.27	111.85	112.49	108.11	107.99	108.04	107.56	
19	107.15	107.38	107.63	107.36	107.26	109.26	111.91	112.44	108.11	108.07	108.05	107.55	
20	107.21	107.44	107.59	107.46	107.21	109.41	111.97	112.39	108.13	108.05	108.05	107.52	
21	107.22	107.49	107.48	107.49	107.33	109.62	112.00	112.34	108.14	108.05	108.05	107.51	
22	107.25	107.53	107.41	107.45	107.41	109.84	112.06	112.28	108.09	108.03	108.05	107.46	
23	107.32	107.54	107.49	107.38	107.46	110.14	112.11	112.20	108.10	108.03	108.08	107.45	
24	107.33	107.53	107.49	107.44	107.51	110.45	112.16	112.12	108.09	108.03	108.09	107.42	
25	107.30	107.49	107.42	107.69	107.51	111.06	112.22	112.04	108.06	108.04	108.09	107.38	
26	107.27	107.44	107.35	108.00	107.45	111.55	112.28	111.96	108.05	108.02	108.09	107.37	
27	107.26	107.29	107.25	107.98	107.36	111.85	112.32	111.87	108.06	108.03	108.10	107.36	
28	107.26	107.14	107.22	107.86	107.27	112.04	112.36	111.77	108.07	108.07	108.10	107.34	
29	107.24	107.04	107.23	107.86	107.22	112.17	112.39	111.67	108.06	108.05		107.36	
30	107.24	106.98	107.20	107.85	107.21	112.28	112.43	111.56	108.05	108.06		107.32	
31		107.04		107.79	107.20		112.46		108.02	108.06		107.30	
Mean	107.22	107.36	107.37	107.38	107.44	109.41	112.17	112.40	108.98	108.04	108.06	107.64	
Max	107.37	107.54	107.71	108.00	107.79	112.28	112.49	112.74	111.44	108.13	108.10	108.10	112.74
Min	107.15	106.98	107.16	107.00	107.16	107.25	111.61	111.56	108.02	107.96	108.03	107.30	106.98
Annual Max Momentary Gage Height	112.74		m. (MSL.) ,			at 12.00 Hours ,	on Nov 8, 2021						
Zero Gage at Bottom Elevation		105.00	m. (MSL.) ,			River Bed	100.40	m. (MSL.)					
Left Bank Elevation		120.96	m. (MSL.) ,										
Right Bank Elevation		117.61	m. (MSL.) ,			Drainage Are	107,238	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	15.45	15.11	70.00	78.00	202.00	88.00	2628.00	2736.00	1964.00	79.25	81.80	83.50		
2	15.79	92.00	74.00	68.00	202.00	112.00	2682.00	2773.50	1880.00	82.65	80.10	80.10		
3	21.90	100.00	76.00	50.80	202.00	130.00	2718.00	2830.50	1775.00	80.10	80.95	70.75		
4	15.11	110.00	78.00	40.00	196.00	149.00	2736.00	2880.00	1653.00	77.55	80.10	68.20		
5	13.92	124.00	80.00	49.00	184.30	187.00	2736.00	2920.00	1581.00	75.85	79.25	71.60		
6	14.26	126.00	80.00	60.00	162.70	232.50	2709.00	2952.00	1531.50	78.40	81.80	66.50		
7	14.43	124.00	88.00	74.00	142.40	283.60	2673.00	2964.00	1491.00	79.25	80.10	64.80		
8	14.60	116.00	88.00	72.00	124.00	337.60	2610.00	2988.00	1414.50	76.70	78.40	61.40		
9	14.43	112.00	88.00	70.00	108.00	431.80	2547.00	2976.00	1290.00	76.70	77.55	58.85		
10	14.60	104.00	82.00	66.00	96.00	603.20	2475.00	2964.00	1139.60	76.70	80.95	56.30		
11	14.60	104.00	88.00	66.00	74.00	752.00	2385.00	2930.00	984.00	81.80	80.95	58.00		
12	14.43	122.00	106.00	92.00	70.00	792.60	2294.00	2920.00	800.00	86.05	80.95	58.00		
13	14.26	130.00	128.00	102.00	76.00	786.80	2222.00	2900.00	614.50	80.10	79.25	52.90		
14	14.09	124.00	138.00	86.00	116.00	781.00	2132.00	2870.00	86.05	74.15	80.10	46.95		
15	14.60	120.00	165.40	90.00	211.00	821.60	2066.00	2850.00	92.85	72.45	80.10	42.70		
16	14.09	114.00	184.30	94.00	214.00	844.80	2084.00	2821.00	90.30	71.60	80.10	41.85		
17	13.92	106.00	190.00	96.00	157.80	815.80	2150.00	2783.00	90.30	73.30	79.25	41.85		
18	13.75	114.00	176.20	98.00	116.00	821.60	2210.00	2736.00	84.35	74.15	78.40	37.66		
19	13.75	114.00	168.10	110.00	90.00	815.80	2246.00	2691.00	84.35	80.95	79.25	36.83		
20	14.77	126.00	157.80	130.00	80.00	1061.70	2282.00	2646.00	86.05	79.25	79.25	34.32		
21	14.94	136.00	134.00	136.00	104.00	1139.60	2300.00	2601.00	86.90	79.25	79.25	33.49		
22	15.45	144.60	120.00	128.00	120.00	1226.00	2351.00	2547.00	82.65	77.55	79.25	29.31		
23	17.90	146.80	136.00	114.00	130.00	1346.00	2394.00	2475.00	83.50	77.55	81.80	28.48		
24	18.70	144.60	136.00	126.00	140.20	1477.50	2439.00	2403.00	82.65	77.55	82.65	25.97		
25	16.30	136.00	122.00	184.30	140.20	1760.00	2493.00	2334.00	80.10	78.40	82.65	22.70		
26	15.79	126.00	108.00	280.00	128.00	2030.00	2547.00	2276.00	79.25	76.70	82.65	21.90		
27	15.62	96.00	88.00	273.60	110.00	2210.00	2583.00	2222.00	80.10	77.55	83.50	21.10		
28	15.62	66.00	82.00	235.60	92.00	2334.00	2619.00	2162.00	80.95	80.95	83.50	19.50		
29	15.28	47.20	84.00	235.60	82.00	2448.00	2646.00	2102.00	80.10	79.25		21.10		
30	15.28	38.00	78.00	232.50	80.00	2547.00	2682.00	2036.00	79.25	80.10		17.90		
31		47.20		214.00	78.00		2709.00		76.70	80.10		16.30		
Total	457.63	3325.51	3393.80	3751.40	4028.60	29366.50	76348.00	80289.00	19624.50	2421.90	2253.85	1390.81	226651.50	CMSDAY
Mean	15.25	107.27	113.13	121.01	129.95	978.88	2462.84	2676.30	633.05	78.13	80.49	44.86	620.96	CMS
Max	21.90	146.80	190.00	280.00	214.00	2547.00	2736.00	2988.00	1964.00	86.05	83.50	83.50	2988.00	CMS
Min	13.75	15.11	70.00	40.00	70.00	88.00	2066.00	2036.00	76.70	71.60	77.55	16.30	13.75	CMS
Runoff	39.54	287.32	293.22	324.12	348.07	2537.27	6596.47	6936.97	1695.56	209.25	194.73	120.17	19582.69	MCM
Momentary Peak	2988.00 CMS. at 112.74 m. (MSL.) at 12.00 Hours , on Nov 8, 2021													
Runoff Yield	5.79	Liters/Second/Square KM.			Momentary Peak Yield			27.86	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	0.15	0.13	176.64	189.80	7.43	0.25	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.15	0.13	186.83	179.20	2.70	0.24	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.14	0.13	194.10	167.20	0.60	0.24	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.13	0.13	198.47	155.80	0.55	0.24	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.11	0.12	199.92	141.10	0.57	0.24	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.09	0.11	196.53	125.70	0.55	0.24	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.09	0.12	190.22	114.00	0.50	0.24	0.00	0.00	
8	0.00	0.00	0.00	0.77	0.09	0.12	181.49	105.00	0.39	0.24	0.00	0.00	
9	0.00	0.00	0.00	0.57	0.08	0.12	167.91	99.80	0.31	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.45	0.08	0.14	144.15	92.00	0.29	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.36	0.08	0.13	119.41	87.20	0.28	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.31	0.09	0.12	106.32	79.10	0.27	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.31	0.09	0.11	95.16	70.20	0.27	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.25	0.09	0.12	85.70	62.00	0.27	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.22	0.12	0.12	81.65	57.10	0.27	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.19	0.11	0.12	87.50	52.10	0.27	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.17	0.10	0.14	97.10	48.50	0.27	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.17	0.09	0.15	111.65	44.60	0.27	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.16	0.09	0.20	125.23	40.90	0.26	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.17	0.09	1.90	132.02	37.90	0.26	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.16	0.09	3.24	148.51	34.70	0.26	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.16	0.08	6.60	165.97	31.50	0.26	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.16	0.09	9.40	180.52	27.90	0.26	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.17	0.10	16.70	196.04	24.95	0.26	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.20	0.10	63.65	211.08	21.95	0.26	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.20	0.11	111.17	221.75	19.16	0.25	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.18	0.11	132.51	228.05	16.92	0.25	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.17	0.12	145.60	232.01	14.64	0.25	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.16	0.13	154.82	236.00	12.27	0.25	0.00		0.00	
30	0.00	0.00	0.00	0.16	0.14	163.55	238.00	9.85	0.25	0.00		0.00	
31		0.00		0.15	0.14		201.40		0.25	0.00		0.00	
Total	0.00	0.00	0.00	5.97	3.27	811.60	5137.33	2163.04	19.38	1.93	0.00	0.00	8142.52 CMSDAY
Mean	0.00	0.00	0.00	0.19	0.11	27.05	165.72	72.10	0.63	0.06	0.00	0.00	22.31 CMS
Max	0.00	0.00	0.00	0.77	0.15	163.55	238.00	189.80	7.43	0.25	0.00	0.00	238.00 CMS
Min	0.00	0.00	0.00	0.00	0.08	0.11	81.65	9.85	0.25	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	0.00	0.00	0.52	0.28	70.12	443.87	186.89	1.67	0.17	0.00	0.00	703.51 MCM
Momentary Peak	238.50	CMS. at 119.11 m. (MSL.) at 12.00 Hours , on Oct 30, 2021											
Runoff Yield	7.33	Liters/Second/Square KM.		Momentary Peak Yield		78.40		Liters/Second/Square KM.					

WATER YEAR : 2021**MUN RIVER BASIN****Mun River at Ban Pho Tak, Ubon Ratchathani (M.11B)**

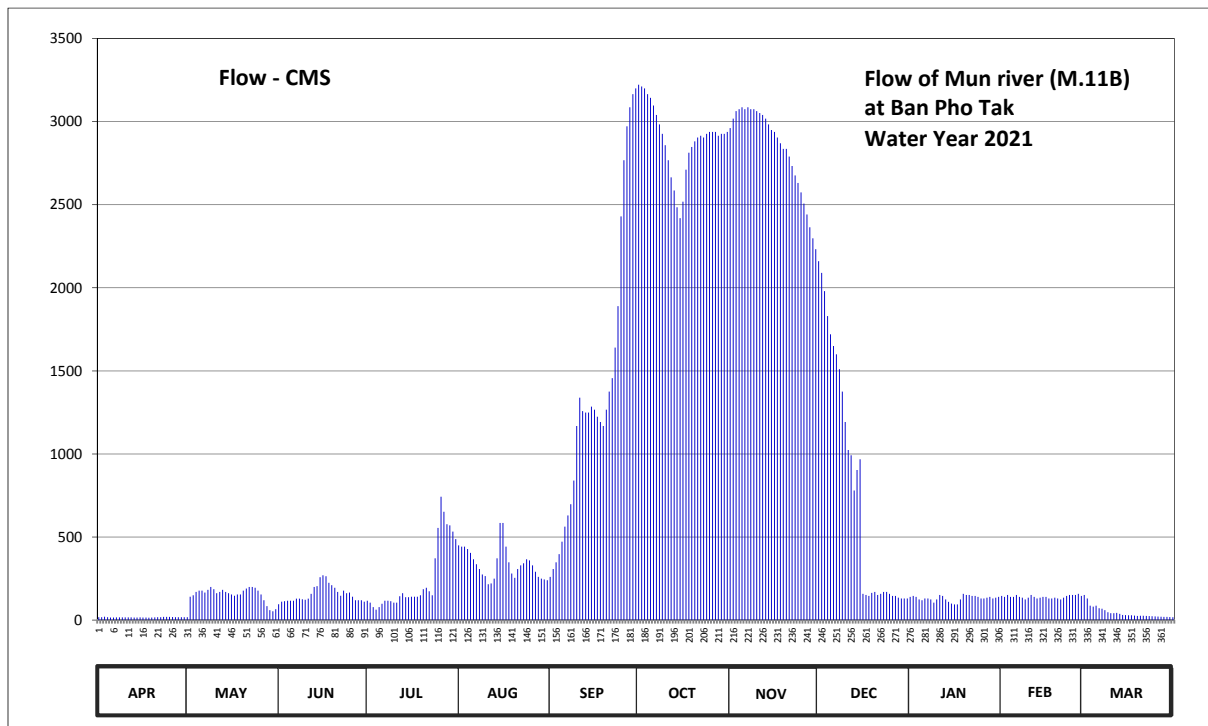
Lat 15 - 14 - 59 N Long 105 - 14 - 21 E

Location : on right bank at the bridge on road.

	Ban	Pho Tak	Amphoe	Phibul Mangsahan	Changwat	Ubon Ratchathani
Drainage Area	116,341	sq.km.				
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 because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 71 discharge measurements made in 2021.					

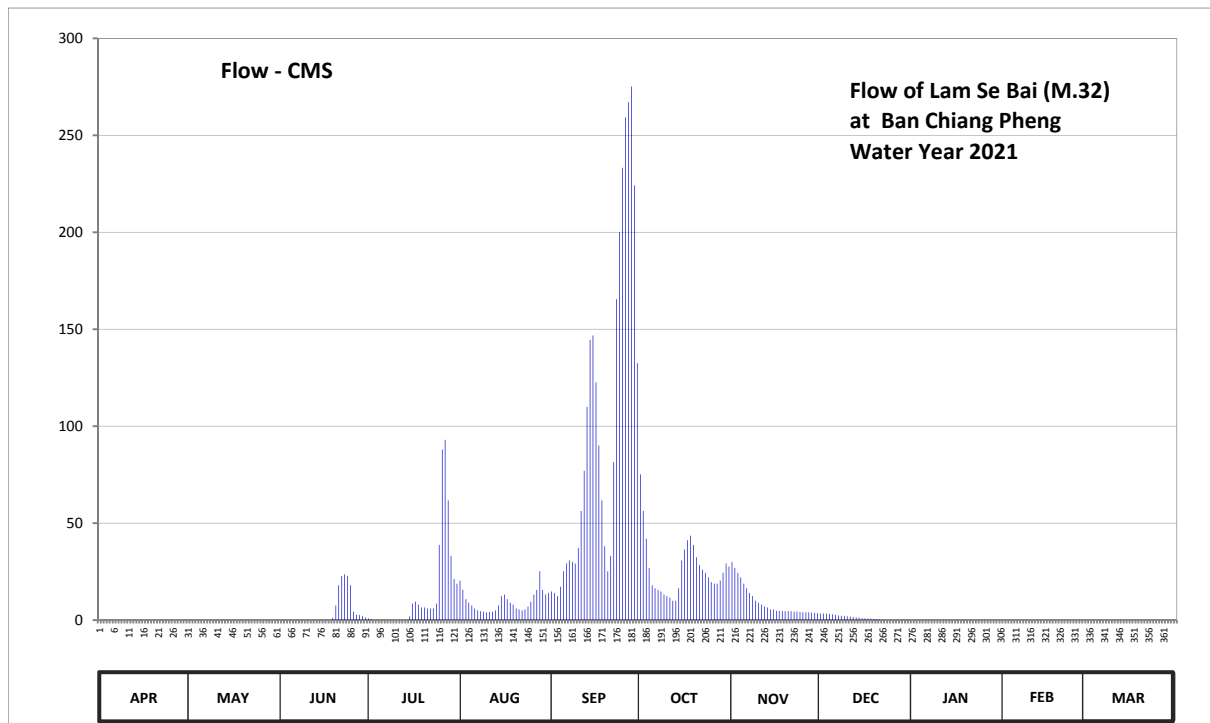
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	107.05	107.03	106.92	106.99	107.28	106.97	110.20	109.97	109.25	107.90	107.91	107.92	
2	107.05	107.07	106.97	106.95	107.27	107.06	110.19	110.02	109.18	107.91	107.90	107.88	
3	107.13	107.10	106.98	106.86	107.27	107.13	110.18	110.06	109.07	107.90	107.92	107.79	
4	107.04	107.15	106.99	106.81	107.25	107.21	110.15	110.07	108.92	107.87	107.90	107.77	
5	106.97	107.17	106.99	106.86	107.22	107.31	110.13	110.08	108.81	107.86	107.90	107.79	
6	106.98	107.17	106.99	106.93	107.16	107.43	110.09	110.07	108.74	107.88	107.92	107.74	
7	107.00	107.14	107.03	106.99	107.11	107.52	110.04	110.08	108.69	107.88	107.90	107.73	
8	107.00	107.18	107.03	106.99	107.06	107.61	109.99	110.07	108.60	107.87	107.89	107.70	
9	107.00	107.22	107.02	106.98	107.00	107.80	109.94	110.07	108.45	107.83	107.87	107.64	
10	107.00	107.19	107.01	106.95	106.98	108.21	109.88	110.06	108.24	107.87	107.89	107.61	
11	107.00	107.13	107.03	106.95	106.88	108.41	109.80	110.05	108.03	107.92	107.92	107.61	
12	107.00	107.15	107.12	107.08	106.89	108.32	109.71	110.04	107.99	107.91	107.90	107.62	
13	106.99	107.18	107.22	107.13	106.95	108.31	109.64	110.02	107.72	107.87	107.88	107.58	
14	106.98	107.15	107.23	107.06	107.17	108.31	109.55	109.99	107.88	107.84	107.89	107.48	
15	107.00	107.13	107.33	107.06	107.46	108.35	109.49	109.96	107.96	107.82	107.90	107.44	
16	106.97	107.11	107.35	107.07	107.46	108.33	109.58	109.95	107.93	107.81	107.90	107.42	
17	106.97	107.09	107.34	107.07	107.27	108.28	109.75	109.92	107.92	107.81	107.88	107.41	
18	106.96	107.11	107.27	107.07	107.13	108.24	109.84	109.89	107.91	107.87	107.88	107.36	
19	106.97	107.11	107.24	107.10	107.01	108.21	109.87	109.86	107.94	107.93	107.89	107.31	
20	107.02	107.17	107.21	107.19	106.96	108.33	109.90	109.86	107.95	107.92	107.88	107.34	
21	107.04	107.20	107.15	107.21	107.06	108.45	109.92	109.82	107.92	107.92	107.87	107.33	
22	107.05	107.22	107.09	107.16	107.10	108.54	109.93	109.77	107.93	107.91	107.89	107.29	
23	107.10	107.22	107.17	107.10	107.12	108.73	109.92	109.72	107.95	107.91	107.91	107.27	
24	107.12	107.21	107.13	107.17	107.16	108.98	109.94	109.68	107.95	107.90	107.92	107.22	
25	107.10	107.17	107.14	107.42	107.15	109.50	109.95	109.63	107.93	107.88	107.92	107.19	
26	107.06	107.11	107.07	107.67	107.10	109.80	109.95	109.57	107.91	107.88	107.92	107.16	
27	107.05	107.00	107.00	107.55	107.03	109.98	109.95	109.51	107.91	107.89	107.93	107.14	
28	107.05	106.88	107.00	107.45	106.97	110.08	109.93	109.44	107.89	107.90	107.91	107.12	
29	107.04	106.80	107.00	107.44	106.95	110.15	109.94	109.38	107.88	107.88		107.11	
30	107.04	106.76	106.97	107.39	106.94	110.18	109.94	109.32	107.88	107.89		107.07	
31		106.82		107.33	106.93		109.95		107.88	107.90		107.05	
Mean	107.02	107.10	107.10	107.13	107.11	108.39	109.91	109.86	108.20	107.88	107.90	107.45	
Max	107.13	107.22	107.35	107.67	107.46	110.18	110.20	110.08	109.25	107.93	107.93	107.92	110.20
Min	106.96	106.76	106.92	106.81	106.88	106.97	109.49	109.32	107.72	107.81	107.87	107.05	106.76
Annual Max Momentary Gage Height	110.20		m. (MSL.) ,			at 08.00 Hours ,	on Oct 1, 2021						
Zero Gage at Bottom Elevation	104.00		m. (MSL.) ,			River Bed	103.16	m. (MSL.)					
Left Bank Elevation		112.92		m. (MSL.) ,									
Right Bank Elevation		113.36		m. (MSL.) ,		Drainage Are	116,341	Square Kilometers					



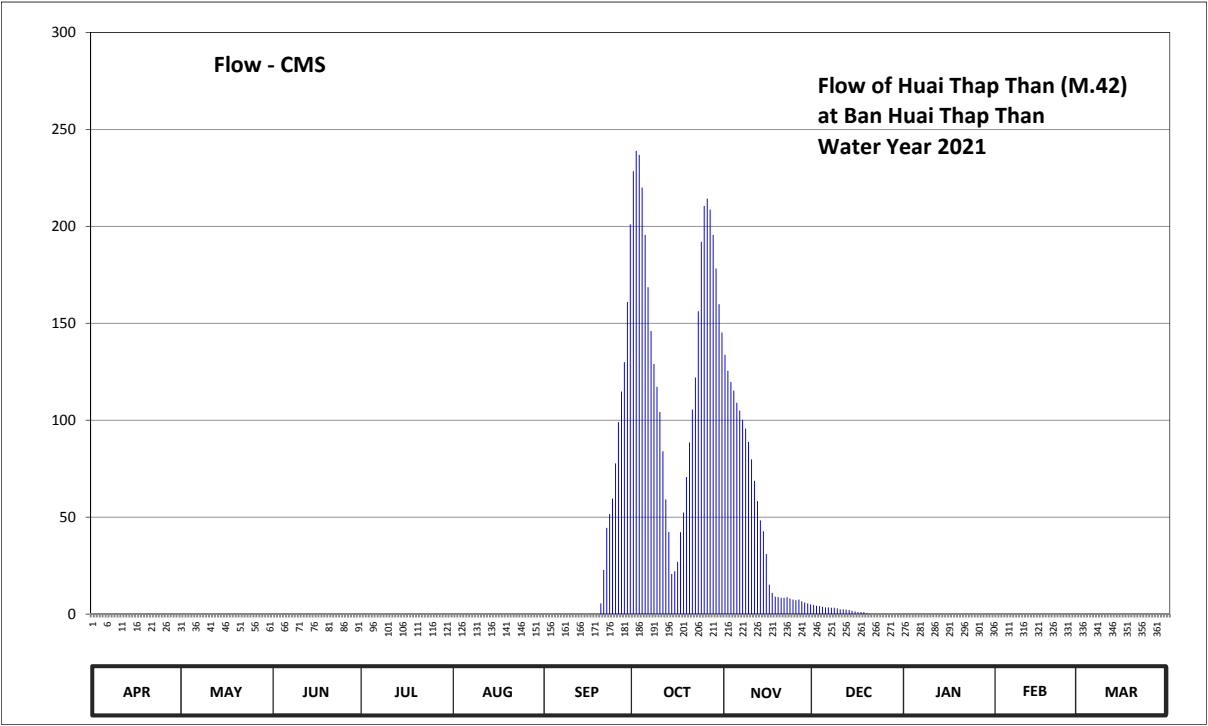
Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	18.00	17.40	96.00	117.00	450.00	260.00	3222.50	2960.88	2160.00	140.00	146.00	152.00		
2	18.00	141.00	111.00	105.00	442.50	308.00	3211.12	3017.75	2090.00	146.00	140.00	130.00		
3	20.40	150.00	114.00	78.00	442.50	348.00	3199.75	3063.25	1980.00	140.00	152.00	87.00		
4	17.70	170.00	117.00	63.00	427.50	397.50	3165.62	3074.63	1830.00	125.00	140.00	81.00		
5	15.60	178.00	117.00	78.00	405.00	472.50	3142.87	3086.00	1720.00	120.00	140.00	87.00		
6	15.90	178.00	117.00	99.00	366.00	562.50	3097.38	3074.63	1650.00	130.00	152.00	72.00		
7	16.50	166.00	129.00	117.00	336.00	630.00	3040.50	3086.00	1600.00	130.00	140.00	69.00		
8	16.50	182.00	129.00	117.00	308.00	697.50	2983.63	3074.63	1510.00	125.00	135.00	60.00		
9	16.50	200.00	126.00	114.00	275.00	840.00	2926.75	3074.63	1375.00	105.00	125.00	48.00		
10	16.50	186.00	123.00	105.00	265.00	1168.00	2858.50	3063.25	1192.00	125.00	135.00	42.00		
11	16.50	162.00	129.00	105.00	216.00	1339.00	2767.50	3051.88	1024.00	152.00	152.00	42.00		
12	16.50	170.00	158.00	144.00	220.50	1258.00	2665.13	3040.50	992.00	146.00	140.00	44.00		
13	16.20	182.00	200.00	162.00	250.00	1249.00	2585.50	3017.75	780.00	125.00	130.00	38.40		
14	15.90	170.00	205.00	138.00	372.00	1249.00	2485.00	2983.63	904.00	110.00	135.00	31.30		
15	16.50	162.00	258.00	138.00	585.00	1285.00	2419.00	2949.50	968.00	100.00	140.00	29.90		
16	15.60	154.00	270.00	141.00	585.00	1267.00	2518.00	2938.13	158.00	95.00	140.00	29.20		
17	15.60	147.00	264.00	141.00	442.50	1224.00	2710.63	2904.00	152.00	95.00	130.00	28.85		
18	15.30	154.00	225.00	141.00	348.00	1192.00	2813.00	2869.88	146.00	125.00	130.00	27.30		
19	15.60	154.00	210.00	150.00	280.50	1168.00	2847.13	2835.75	164.00	158.00	135.00	25.80		
20	17.10	178.00	195.00	186.00	255.00	1267.00	2881.25	2835.75	170.00	152.00	130.00	26.70		
21	17.70	190.00	170.00	195.00	308.00	1375.00	2904.00	2790.25	152.00	152.00	125.00	26.40		
22	18.00	200.00	147.00	174.00	330.00	1456.00	2915.38	2733.38	158.00	146.00	135.00	25.20		
23	19.50	200.00	178.00	150.00	342.00	1640.00	2904.00	2676.50	170.00	146.00	146.00	24.60		
24	20.10	195.00	162.00	372.00	366.00	1890.00	2926.75	2631.00	170.00	140.00	152.00	23.10		
25	19.50	178.00	166.00	555.00	360.00	2430.00	2938.13	2574.13	158.00	130.00	152.00	22.20		
26	18.30	154.00	141.00	742.50	330.00	2767.50	2938.13	2507.00	146.00	130.00	152.00	21.30		
27	18.00	120.00	120.00	652.50	291.50	2972.25	2938.13	2441.00	146.00	135.00	158.00	20.70		
28	18.00	84.00	120.00	577.50	260.00	3086.00	2915.38	2364.00	135.00	140.00	146.00	20.10		
29	17.70	60.00	120.00	570.00	250.00	3165.62	2926.75	2298.00	130.00	130.00		19.80		
30	17.70	53.20	111.00	532.50	245.00	3199.75	2926.75	2232.00	130.00	135.00		18.60		
31		66.00		487.50	240.00		2938.13		130.00	140.00		18.00		
Total	516.90	4701.60	4728.00	7447.50	10594.50	42164.12	89712.29	85249.68	24190.00	4068.00	3933.00	1391.45	278697.04	CMSDAY
Mean	17.23	151.66	157.60	240.24	341.76	1405.47	2893.94	2841.66	780.32	131.23	140.46	44.89	763.55	CMS
Max	20.40	200.00	270.00	742.50	585.00	3199.75	3222.50	3086.00	2160.00	158.00	158.00	152.00	3222.50	CMS
Min	15.30	17.40	96.00	63.00	216.00	260.00	2419.00	2232.00	130.00	95.00	125.00	18.00	15.30	CMS
Runoff	44.66	406.22	408.50	643.46	915.36	3642.98	7751.14	7365.57	2090.02	351.48	339.81	120.22	24079.42	MCM
Momentary Peak	3222.50 CMS. at 110.20 m. (MSL.) at 08.00 Hours , on Oct 1, 2021													
Runoff Yield	6.56	Liters/Second/Square KM.			Momentary Peak Yield			27.70 Liters/Second/Square KM.						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.00	0.90	20.40	14.80	75.20	30.00	3.40	0.00	0.00	0.00		
2	0.00	0.00	0.00	0.50	15.60	14.00	56.30	26.80	3.40	0.00	0.00	0.00		
3	0.00	0.00	0.00	0.00	10.80	12.40	42.00	24.40	3.40	0.00	0.00	0.00		
4	0.00	0.00	0.00	0.00	9.00	17.20	26.80	22.00	3.20	0.00	0.00	0.00		
5	0.00	0.00	0.00	0.00	7.50	25.20	18.00	18.80	3.00	0.00	0.00	0.00		
6	0.00	0.00	0.00	0.00	6.00	29.20	16.40	16.40	2.80	0.00	0.00	0.00		
7	0.00	0.00	0.00	0.00	5.00	30.80	15.60	14.00	2.40	0.00	0.00	0.00		
8	0.00	0.00	0.00	0.00	4.60	30.00	14.80	12.40	2.20	0.00	0.00	0.00		
9	0.00	0.00	0.00	0.00	4.40	29.20	13.20	10.00	2.20	0.00	0.00	0.00		
10	0.00	0.00	0.00	0.00	4.00	37.20	12.40	9.00	2.00	0.00	0.00	0.00		
11	0.00	0.00	0.00	0.00	4.20	56.30	11.60	8.00	1.80	0.00	0.00	0.00		
12	0.00	0.00	0.00	0.00	4.40	77.00	10.00	7.00	1.60	0.00	0.00	0.00		
13	0.00	0.00	0.00	0.00	5.00	110.00	10.00	6.50	1.40	0.00	0.00	0.00		
14	0.00	0.00	0.00	0.00	7.50	144.60	16.40	5.50	1.20	0.00	0.00	0.00		
15	0.00	0.00	0.00	2.00	12.40	146.80	30.80	5.50	1.00	0.00	0.00	0.00		
16	0.00	0.00	0.00	8.50	13.20	122.60	36.40	4.80	0.90	0.00	0.00	0.00		
17	0.00	0.00	0.00	9.50	10.80	90.00	41.20	4.80	0.80	0.00	0.00	0.00		
18	0.00	0.00	0.00	8.00	9.00	61.70	43.60	4.80	0.70	0.00	0.00	0.00		
19	0.00	0.00	1.20	6.50	8.00	38.00	38.80	4.60	0.60	0.00	0.00	0.00		
20	0.00	0.00	7.50	6.50	6.00	25.20	32.40	4.60	0.40	0.00	0.00	0.00		
21	0.00	0.00	18.00	6.00	5.50	33.20	28.40	4.60	0.30	0.00	0.00	0.00		
22	0.00	0.00	22.80	6.00	5.00	81.50	26.00	4.40	0.10	0.00	0.00	0.00		
23	0.00	0.00	23.60	6.00	5.50	165.50	24.40	4.40	0.00	0.00	0.00	0.00		
24	0.00	0.00	22.80	8.50	7.00	200.00	22.00	4.20	0.00	0.00	0.00	0.00		
25	0.00	0.00	18.00	38.80	9.50	233.30	19.60	4.00	0.00	0.00	0.00	0.00		
26	0.00	0.00	4.40	88.00	13.20	259.30	18.80	4.00	0.00	0.00	0.00	0.00		
27	0.00	0.00	2.80	93.00	15.60	267.10	18.80	4.00	0.00	0.00	0.00	0.00		
28	0.00	0.00	2.60	61.70	25.20	275.20	20.40	3.80	0.00	0.00	0.00	0.00		
29	0.00	0.00	2.20	33.20	15.60	224.20	24.40	3.80	0.00	0.00	0.00	0.00		
30	0.00	0.00	1.40	21.20	13.20	132.50	29.20	3.60	0.00	0.00		0.00		
31		0.00		18.80	14.00		27.60		0.00	0.00		0.00		



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	0.00	0.00	228.40	133.80	4.75	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.00	238.90	125.50	4.25	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	0.00	236.80	119.75	4.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	0.00	220.00	115.25	3.75	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.00	195.60	109.00	3.50	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	0.00	168.60	105.00	3.50	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	0.00	146.00	100.25	3.33	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.00	129.00	95.75	3.33	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	0.00	117.25	88.75	2.98	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	0.00	104.25	79.75	2.45	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	0.00	84.00	68.75	2.45	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	0.00	59.13	58.23	2.28	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.00	0.00	42.36	48.35	2.10	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.00	0.00	20.70	42.71	1.75	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.00	0.00	22.10	30.90	1.40	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.00	0.00	27.00	15.20	1.05	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.00	0.00	42.25	11.00	1.05	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.00	0.00	52.40	9.00	1.05	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.00	0.00	70.75	8.70	0.53	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.00	5.50	88.50	8.40	0.18	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.00	22.80	105.50	8.40	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.00	44.48	122.00	8.70	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	51.60	156.20	8.10	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.00	59.58	192.00	7.50	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	77.75	210.50	7.20	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	99.00	214.30	7.50	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	114.75	208.60	6.60	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.00	130.00	195.60	6.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	161.00	178.20	5.50	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	0.00	201.00	159.80	5.00	0.00	0.00	0.00	0.00	
31		0.00		0.00	0.00		145.20		0.00	0.00		0.00	
Total	0.00	0.00	0.00	0.00	0.00	967.46	4181.89	1444.54	49.68	0.00	0.00	0.00	6643.57

WATER YEAR : 2021**MUN RIVER BASIN****Lam Takhong at Ban Tha Maprang, Nakhon Ratchasima (M.43A)**

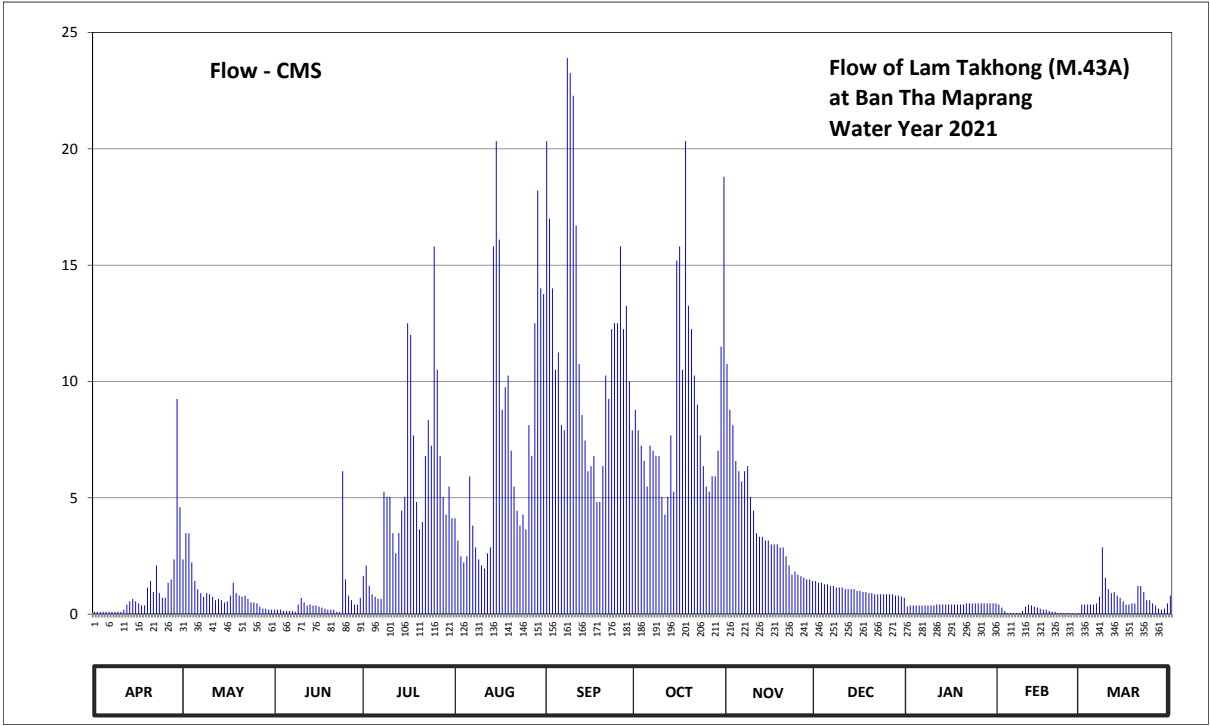
Lat 14 - 30 - 43 N Long 101 - 22 - 49 E

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.			
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 41 discharge measurements made in 2021.				

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	372.31	372.65	372.33	372.59	372.77	373.41	372.99	373.07	372.56	372.36	372.38	372.38	
	2	372.31	372.73	372.33	372.63	372.71	373.30	372.95	372.99	372.55	372.37	372.35	372.38	
	3	372.31	372.73	372.33	372.53	372.66	373.20	372.92	372.96	372.55	372.37	372.32	372.38	
	4	372.31	372.64	372.32	372.47	372.64	373.06	372.89	372.89	372.54	372.37	372.30	372.38	
	5	372.31	372.56	372.32	372.45	372.66	373.09	372.84	372.87	372.54	372.37	372.29	372.38	
	6	372.31	372.51	372.32	372.43	372.86	372.96	372.92	372.85	372.53	372.37	372.29	372.39	
	7	372.31	372.48	372.32	372.43	372.75	372.95	372.91	372.87	372.53	372.37	372.29	372.45	
	8	372.31	372.45	372.31	372.83	372.69	373.52	372.90	372.88	372.52	372.37	372.30	372.69	
	9	372.31	372.48	372.38	372.82	372.65	373.50	372.90	372.82	372.52	372.37	372.32	372.58	
	10	372.31	372.47	372.44	372.82	372.63	373.47	372.82	372.79	372.52	372.37	372.36	372.51	
	11	372.33	372.45	372.40	372.73	372.62	373.29	372.78	372.73	372.51	372.38	372.38	372.48	
	12	372.38	372.42	372.37	372.67	372.67	373.07	372.82	372.72	372.51	372.38	372.37	372.49	
	13	372.41	372.43	372.38	372.73	372.69	372.98	372.94	372.72	372.51	372.38	372.36	372.46	
	14	372.43	372.42	372.37	372.79	373.26	372.93	372.83	372.71	372.51	372.38	372.35	372.44	
	15	372.41	372.40	372.37	372.82	373.41	372.87	373.24	372.71	372.50	372.38	372.34	372.41	
	16	372.39	372.41	372.36	373.14	373.27	372.88	373.26	372.70	372.50	372.38	372.33	372.38	
	17	372.37	372.46	372.35	373.12	372.99	372.90	373.06	372.70	372.49	372.38	372.33	372.38	
	18	372.37	372.55	372.34	372.94	373.03	372.81	373.41	372.70	372.49	372.38	372.32	372.39	
	19	372.52	372.48	372.33	372.81	373.05	372.81	373.17	372.69	372.48	372.38	372.31	372.39	
	20	372.56	372.46	372.33	372.74	372.91	372.88	373.13	372.69	372.48	372.38	372.31	372.53	
	21	372.49	372.45	372.33	372.76	372.84	373.05	373.05	372.66	372.47	372.39	372.30	372.53	
	22	372.63	372.46	372.31	372.90	372.79	373.01	373.00	372.63	372.47	372.39	372.30	372.49	
	23	372.48	372.43	372.31	372.97	372.75	373.13	372.94	372.60	372.47	372.39	372.30	372.42	
	24	372.44	372.40	372.87	372.92	372.78	373.14	372.88	372.61	372.47	372.39	372.30	372.42	
	25	372.44	372.40	372.57	373.26	372.74	373.14	372.84	372.60	372.47	372.39	372.29	372.39	
	26	372.55	372.39	372.46	373.06	372.96	373.26	372.83	372.59	372.47	372.39	372.28	372.37	
	27	372.57	372.36	372.42	372.90	372.90	373.13	372.86	372.58	372.47	372.39	372.28	372.34	
	28	372.65	372.34	372.38	372.82	373.14	373.17	372.86	372.57	372.46	372.39	372.28	372.33	
	29	373.01	372.34	372.38	372.78	373.34	373.04	372.91	372.57	372.46	372.39		372.34	
	30	372.80	372.33	372.44	372.84	373.20	372.95	373.10	372.56	372.45	372.39		372.39	
	31		372.33		372.77	373.19		373.36		372.44	372.39		372.46	
Mean		372.44	372.46	372.38	372.79	372.89	373.10	372.98	372.73	372.50	372.38	372.32	372.43	
Max		373.01	372.73	372.87	373.26	373.41	373.52	373.41	373.07	372.56	372.39	372.38	372.69	373.52
Min		372.31	372.33	372.31	372.43	372.62	372.81	372.78	372.56	372.44	372.36	372.28	372.33	372.28
Annual Max Momentary Gage Height			374.35	m. (MSL.) ,		at 21.00 Hours , on Sep 9, 2021								
Zero Gage at Bottom Elevation			371.70	m. (MSL.) ,		River Bed		371.90	m. (MSL.)					
Left Bank Elevation				378.42		m. (MSL.) ,								
Right Bank Elevation			378.32	m. (MSL.) ,		Drainage Are		153	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.10	2.35	0.19	1.63	4.12	20.33	8.78	10.75	1.42	0.32	0.41	0.41		
2	0.10	3.48	0.19	2.09	3.16	17.00	7.90	8.78	1.35	0.37	0.28	0.41		
3	0.10	3.48	0.19	1.21	2.48	14.00	7.24	8.12	1.35	0.37	0.14	0.41		
4	0.10	2.22	0.14	0.85	2.22	10.50	6.58	6.58	1.28	0.37	0.05	0.41		
5	0.10	1.42	0.14	0.75	2.48	11.25	5.48	6.14	1.28	0.37	0.05	0.41		
6	0.10	1.07	0.14	0.65	5.92	8.12	7.24	5.70	1.21	0.37	0.05	0.46		
7	0.10	0.90	0.14	0.65	3.80	7.90	7.02	6.14	1.21	0.37	0.05	0.75		
8	0.10	0.75	0.10	5.26	2.87	23.90	6.80	6.36	1.14	0.37	0.05	2.87		
9	0.10	0.90	0.41	5.04	2.35	23.25	6.80	5.04	1.14	0.37	0.14	1.56		
10	0.10	0.85	0.70	5.04	2.09	22.28	5.04	4.44	1.14	0.37	0.32	1.07		
11	0.19	0.75	0.50	3.48	1.96	16.70	4.28	3.48	1.07	0.41	0.41	0.90		
12	0.41	0.60	0.37	2.61	2.61	10.75	5.04	3.32	1.07	0.41	0.37	0.95		
13	0.55	0.65	0.41	3.48	2.87	8.56	7.68	3.32	1.07	0.41	0.32	0.80		
14	0.65	0.60	0.37	4.44	15.80	7.46	5.26	3.16	1.07	0.41	0.28	0.70		
15	0.55	0.50	0.37	5.04	20.33	6.14	15.20	3.16	1.00	0.41	0.23	0.55		
16	0.46	0.55	0.32	12.50	16.10	6.36	15.80	3.00	1.00	0.41	0.19	0.41		
17	0.37	0.80	0.28	12.00	8.78	6.80	10.50	3.00	0.95	0.41	0.19	0.41		
18	0.37	1.35	0.23	7.68	9.75	4.82	20.33	3.00	0.95	0.41	0.14	0.46		
19	1.14	0.90	0.19	4.82	10.25	4.82	13.25	2.87	0.90	0.41	0.10	0.46		
20	1.42	0.80	0.19	3.64	7.02	6.36	12.25	2.87	0.90	0.41	0.10	1.21		
21	0.95	0.75	0.19	3.96	5.48	10.25	10.25	2.48	0.85	0.46	0.05	1.21		
22	2.09	0.80	0.10	6.80	4.44	9.25	9.00	2.09	0.85	0.46	0.05	0.95		
23	0.90	0.65	0.10	8.34	3.80	12.25	7.68	1.70	0.85	0.46	0.05	0.60		
24	0.70	0.50	6.14	7.24	4.28	12.50	6.36	1.83	0.85	0.46	0.05	0.60		
25	0.70	0.50	1.49	15.80	3.64	12.50	5.48	1.70	0.85	0.46	0.05	0.46		
26	1.35	0.46	0.80	10.50	8.12	15.80	5.26	1.63	0.85	0.46	0.04	0.37		
27	1.49	0.32	0.60	6.80	6.80	12.25	5.92	1.56	0.85	0.46	0.04	0.23		
28	2.35	0.23	0.41	5.04	12.50	13.25	5.92	1.49	0.80	0.46	0.04	0.19		
29	9.25	0.23	0.41	4.28	18.20	10.00	7.02	1.49	0.80	0.46		0.23		
30	4.60	0.19	0.70	5.48	14.00	7.90	11.50	1.42	0.75	0.46		0.46		
31		0.19		4.12	13.75		18.80		0.70	0.46		0.80		
Total	31.49	29.74	16.51	161.22	221.97	353.25	271.66	116.62	31.50	12.81	4.24	21.71	1272.72	CMSDAY
Mean	1.05	0.96	0.55	5.20	7.16	11.78	8.76	3.89	1.02	0.41	0.15	0.70	3.49	CMS
Max	9.25	3.48	6.14	15.80	20.33	23.90	20.33	10.75	1.42	0.46	0.41	2.87	23.90	CMS
Min	0.10	0.19	0.10	0.65	1.96	4.82	4.28	1.42	0.70	0.32	0.04	0.19	0.04	CMS
Runoff	2.72	2.57	1.43	13.93	19.18	30.52	23.47	10.08	2.72	1.11	0.37	1.88	109.96	MCM
Momentary Peak	55.50	CMS.	at 374.35 m. (MSL.) at 21.00 Hours , on Sep 9, 2021											
Runoff Yield	22.79	Liters/Second/Square KM.			Momentary Peak Yield			362.75	Liters/Second/Square KM.					

WATER YEAR : 2021**MUN RIVER BASIN****Huai Khayung at Ban Wang Chom Pu, Si Sa Ket (M.66)**

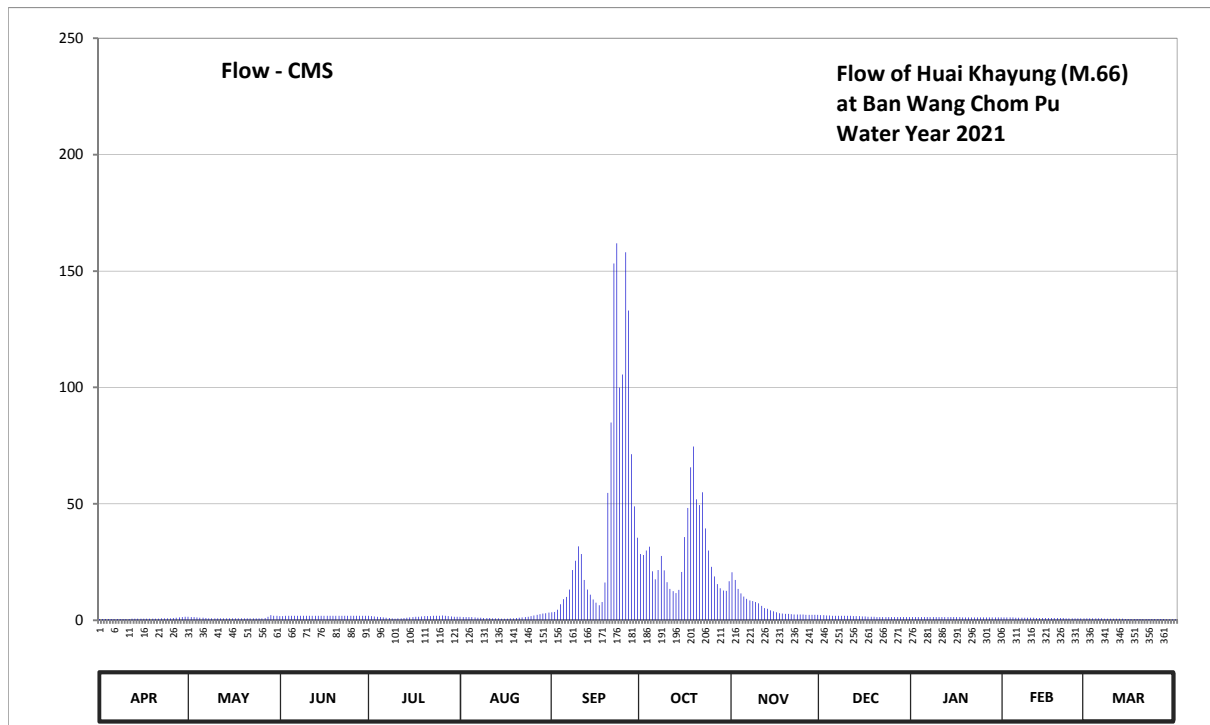
Lat 14 - 38 - 36 N Long 104 - 39 - 34 E

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.		
Type of Gage	Staff gage		
Zero Gage at Bottom	+143.900 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	At the automatic gage building.	Elevation	+153.718 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	1965 to date		
Rating Operation			
Period of Rating	1965 - 1968, 1972 - 1981, 1987 to date		
Rated by Float	-		
Rated by Current Meter	1965 - 1968, 1972 - 1981, 1987 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 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

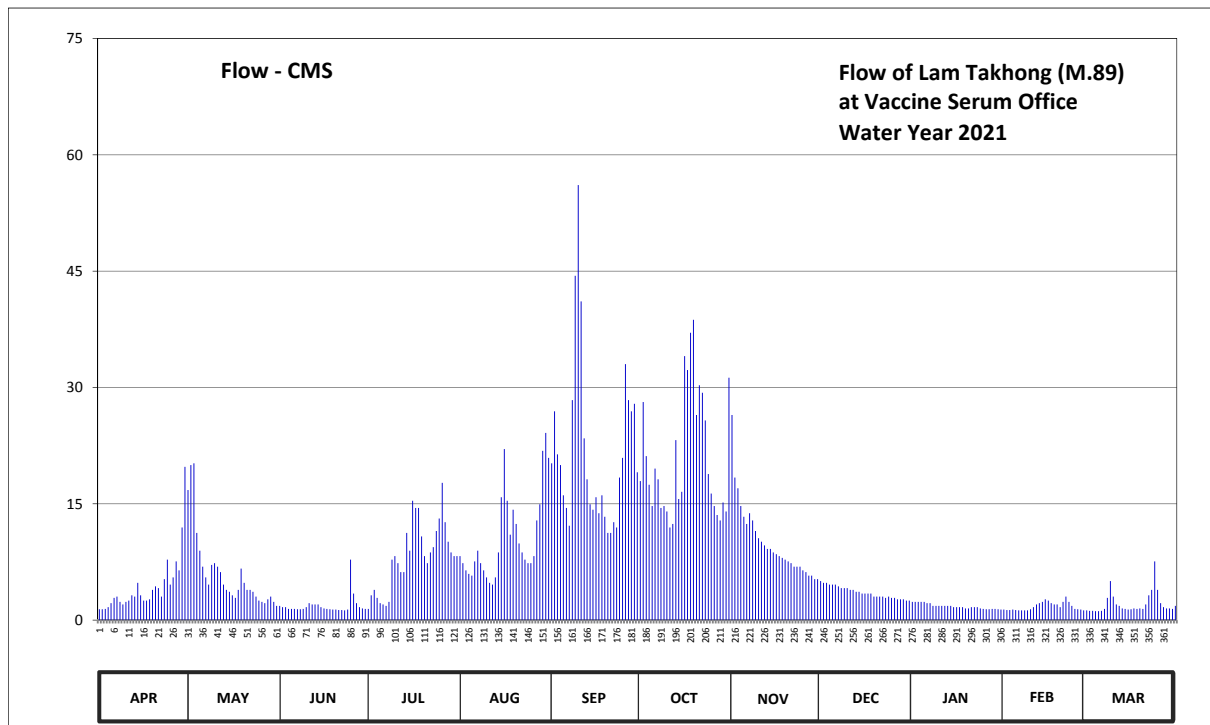
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	142.22	142.59	142.74	142.77	142.59	143.04	144.52	144.13	142.85	142.55	142.50	142.33	
2	142.22	142.56	142.74	142.71	142.57	143.06	144.50	143.97	142.83	142.55	142.49	142.33	
3	142.22	142.53	142.75	142.66	142.56	143.15	144.60	143.77	142.82	142.55	142.48	142.32	
4	142.23	142.50	142.75	142.60	142.55	143.33	144.68	143.64	142.81	142.55	142.48	142.32	
5	142.23	142.46	142.76	142.55	142.53	143.47	144.15	143.55	142.80	142.55	142.47	142.31	
6	142.23	142.43	142.76	142.49	142.50	143.54	143.98	143.48	142.80	142.54	142.46	142.31	
7	142.24	142.40	142.75	142.44	142.47	143.75	144.18	143.44	142.79	142.54	142.46	142.30	
8	142.24	142.36	142.76	142.38	142.45	144.18	144.48	143.42	142.78	142.54	142.45	142.30	
9	142.24	142.34	142.76	142.32	142.42	144.38	144.17	143.39	142.77	142.54	142.45	142.29	
10	142.25	142.32	142.76	142.28	142.40	144.69	143.92	143.35	142.76	142.54	142.44	142.28	
11	142.25	142.32	142.76	142.31	142.38	144.52	143.77	143.28	142.75	142.53	142.43	142.27	
12	142.26	142.32	142.76	142.36	142.36	143.97	143.70	143.22	142.73	142.53	142.42	142.26	
13	142.26	142.32	142.76	142.41	142.35	143.75	143.65	143.19	142.71	142.53	142.42	142.26	
14	142.26	142.32	142.76	142.46	142.32	143.60	143.74	143.13	142.70	142.53	142.41	142.25	
15	142.27	142.32	142.76	142.50	142.30	143.46	144.14	143.08	142.68	142.53	142.41	142.24	
16	142.27	142.32	142.76	142.55	142.28	143.37	144.87	143.05	142.66	142.53	142.40	142.24	
17	142.27	142.32	142.76	142.59	142.28	143.30	145.37	143.00	142.63	142.53	142.39	142.23	
18	142.28	142.32	142.76	142.63	142.31	143.39	146.07	142.98	142.61	142.52	142.39	142.23	
19	142.28	142.32	142.76	142.67	142.36	143.91	146.39	142.96	142.60	142.52	142.38	142.23	
20	142.29	142.32	142.76	142.70	142.41	145.63	145.52	142.94	142.58	142.52	142.38	142.23	
21	142.30	142.32	142.77	142.71	142.47	146.73	145.42	142.92	142.58	142.51	142.37	142.23	
22	142.31	142.32	142.78	142.73	142.52	148.32	145.64	142.91	142.57	142.51	142.36	142.22	
23	142.32	142.32	142.78	142.75	142.57	148.46	145.02	142.91	142.57	142.51	142.36	142.22	
24	142.33	142.32	142.78	142.78	142.63	147.17	144.60	142.90	142.57	142.51	142.35	142.22	
25	142.33	142.32	142.78	142.80	142.73	147.33	144.25	142.89	142.56	142.51	142.34	142.21	
26	142.37	142.32	142.78	142.81	142.81	148.40	144.04	142.88	142.56	142.51	142.34	142.21	
27	142.44	142.37	142.78	142.79	142.86	147.94	143.88	142.88	142.56	142.50	142.33	142.21	
28	142.50	142.60	142.78	142.74	142.93	146.28	143.78	142.87	142.55	142.50	142.33	142.20	
29	142.55	142.85	142.78	142.68	142.99	145.40	143.72	142.86	142.55	142.50		142.20	
30	142.60	142.79	142.78	142.62	143.01	144.86	143.71	142.86	142.55	142.50		142.20	
31		142.75		142.60	143.03		143.94		142.55	142.50		142.20	
Mean	142.30	142.42	142.76	142.59	142.55	144.88	144.46	143.19	142.67	142.53	142.41	142.25	
Max	142.60	142.85	142.78	142.81	143.03	148.46	146.39	144.13	142.85	142.55	142.50	142.33	148.46
Min	142.22	142.32	142.74	142.28	142.28	143.04	143.65	142.86	142.55	142.50	142.33	142.20	142.20
Annual Max Momentary Gage Height	149.29		m. (MSL.) ,			at 02.00 Hours , on Sep 23, 2021							
Zero Gage at Bottom Elevation	143.90		m. (MSL.) ,			River Bed	141.36	m. (MSL)					
Left Bank Elevation		153.47		m. (MSL.) ,									
Right Bank Elevation		153.48		m. (MSL.) ,		Drainage Are	551	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.55	1.48	1.85	1.93	1.48	3.40	28.40	20.60	2.25	1.38	1.25	0.83	
2	0.55	1.40	1.85	1.78	1.43	3.60	28.00	17.40	2.15	1.38	1.23	0.83	
3	0.55	1.33	1.88	1.65	1.40	4.50	30.00	13.55	2.10	1.38	1.20	0.80	
4	0.58	1.25	1.88	1.50	1.38	6.95	31.60	11.60	2.05	1.38	1.20	0.80	
5	0.58	1.15	1.90	1.38	1.33	9.05	21.00	10.25	2.00	1.38	1.18	0.78	
6	0.58	1.08	1.90	1.23	1.25	10.10	17.60	9.20	2.00	1.35	1.15	0.78	
7	0.60	1.00	1.88	1.10	1.18	13.25	21.60	8.60	1.98	1.35	1.15	0.75	
8	0.60	0.90	1.90	0.95	1.13	21.60	27.60	8.30	1.95	1.35	1.13	0.75	
9	0.60	0.85	1.90	0.80	1.05	25.60	21.40	7.85	1.93	1.35	1.13	0.73	
10	0.63	0.80	1.90	0.70	1.00	31.80	16.40	7.25	1.90	1.35	1.10	0.70	
11	0.63	0.80	1.90	0.78	0.95	28.40	13.55	6.20	1.88	1.33	1.08	0.68	
12	0.65	0.80	1.90	0.90	0.90	17.40	12.50	5.30	1.83	1.33	1.05	0.65	
13	0.65	0.80	1.90	1.03	0.88	13.25	11.75	4.90	1.78	1.33	1.05	0.65	
14	0.65	0.80	1.90	1.15	0.80	11.00	13.10	4.30	1.75	1.33	1.03	0.63	
15	0.68	0.80	1.90	1.25	0.75	8.90	20.80	3.80	1.70	1.33	1.03	0.60	
16	0.68	0.80	1.90	1.38	0.70	7.55	35.75	3.50	1.65	1.33	1.00	0.60	
17	0.68	0.80	1.90	1.48	0.70	6.50	48.25	3.00	1.58	1.33	0.98	0.58	
18	0.70	0.80	1.90	1.58	0.78	7.85	65.75	2.90	1.53	1.30	0.98	0.58	
19	0.70	0.80	1.90	1.68	0.90	16.20	74.70	2.80	1.50	1.30	0.95	0.58	
20	0.73	0.80	1.90	1.75	1.03	54.75	52.00	2.70	1.45	1.30	0.95	0.58	
21	0.75	0.80	1.93	1.78	1.18	84.90	49.50	2.60	1.45	1.28	0.93	0.58	
22	0.78	0.80	1.95	1.83	1.30	153.20	55.00	2.55	1.43	1.28	0.90	0.55	
23	0.80	0.80	1.95	1.88	1.43	161.90	39.50	2.55	1.43	1.28	0.90	0.55	
24	0.83	0.80	1.95	1.95	1.58	99.95	30.00	2.50	1.43	1.28	0.88	0.55	
25	0.83	0.80	1.95	2.00	1.83	105.55	23.00	2.45	1.40	1.28	0.85	0.53	
26	0.93	0.80	1.95	2.05	2.05	158.00	18.80	2.40	1.40	1.28	0.85	0.53	
27	1.10	0.93	1.95	1.98	2.30	133.00	15.60	2.40	1.40	1.25	0.83	0.53	
28	1.25	1.50	1.95	1.85	2.65	71.40	13.70	2.35	1.38	1.25	0.83	0.50	
29	1.38	2.25	1.95	1.70	2.95	49.00	12.80	2.30	1.38	1.25		0.50	
30	1.50	1.98	1.95	1.55	3.10	35.50	12.65	2.30	1.38	1.25		0.50	
31		1.88		1.50	3.30		16.80		1.38	1.25		0.50	
Total	22.72	32.58	57.32	46.07	44.69	1354.05	879.10	178.40	52.42	40.79	28.79	19.70	2756.63 CMSDAY
Mean	0.76	1.05	1.91	1.49	1.44	45.14	28.36	5.95	1.69	1.32	1.03	0.64	7.55 CMS
Max	1.50	2.25	1.95	2.05	3.30	161.90	74.70	20.60	2.25	1.38	1.25	0.83	161.90 CMS
Min	0.55	0.80	1.85	0.70	0.70	3.40	11.75	2.30	1.38	1.25	0.83	0.50	0.50 CMS
Runoff	1.96	2.81	4.95	3.98	3.86	116.99	75.95	15.41	4.53	3.52	2.49	1.70	238.17 MCM
Momentary Peak	218.30 CMS. at 149.29 m. (MSL.) at 02.00 Hours , on Sep 23, 2021												
Runoff Yield	13.71	Liters/Second/Square KM.		Momentary Peak Yield		396.19	Liters/Second/Square KM.						

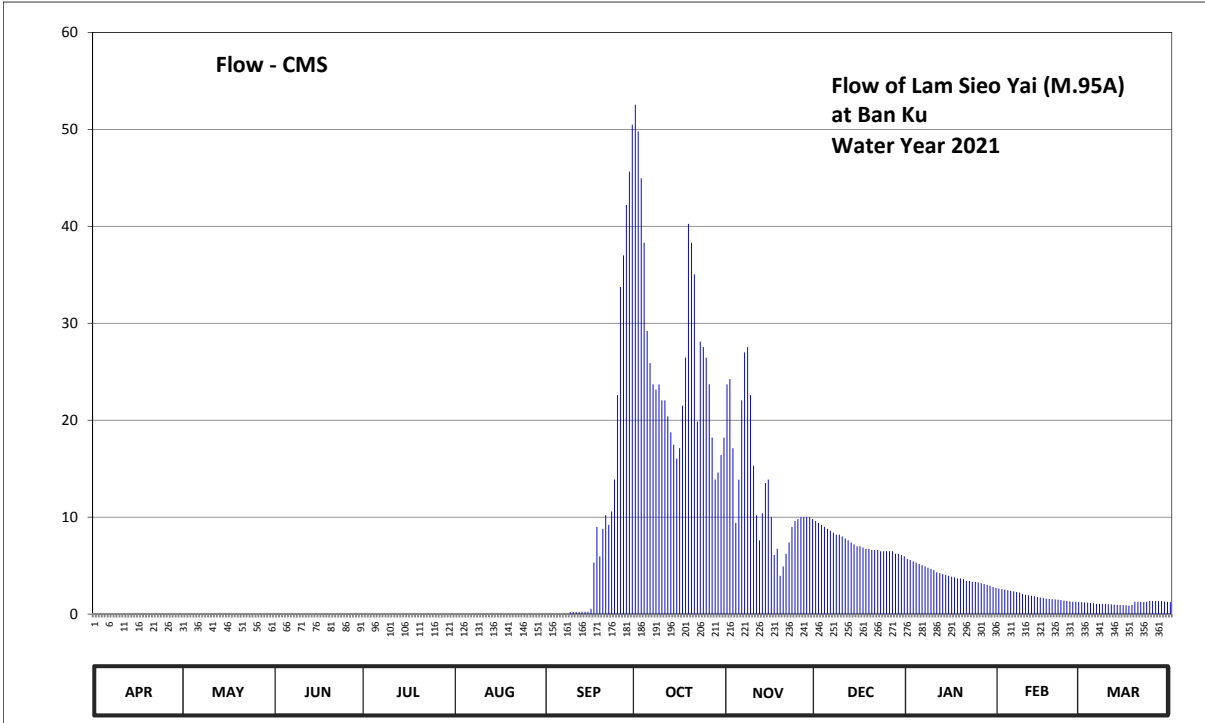
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022														
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	292.78	293.49	292.82	292.79	293.12	293.64	293.54	293.91	292.98	292.85	292.77	292.75	
	2	292.78	293.63	292.81	292.90	293.08	293.93	293.98	293.56	292.97	292.85	292.76	292.74	
	3	292.79	293.64	292.81	292.93	293.04	293.69	293.68	293.50	292.97	292.85	292.76	292.74	
	4	292.81	293.25	292.79	292.88	293.02	293.63	293.52	293.40	292.96	292.85	292.77	292.73	
	5	292.84	293.15	292.79	292.84	293.01	293.46	293.40	293.34	292.96	292.85	292.76	292.73	
	6	292.88	293.06	292.79	292.83	293.09	293.39	293.61	293.30	292.96	292.84	292.75	292.74	
	7	292.89	293.00	292.78	292.82	293.15	293.29	293.55	293.36	292.95	292.84	292.75	292.79	
	8	292.85	292.96	292.78	292.85	293.08	293.99	293.39	293.32	292.94	292.82	292.75	292.88	
	9	292.83	293.07	292.79	293.10	293.04	294.58	293.40	293.26	292.94	292.82	292.75	292.98	
	10	292.85	293.08	292.81	293.12	293.00	294.97	293.37	293.22	292.94	292.82	292.78	292.89	
	11	292.86	293.06	292.84	293.08	292.97	294.47	293.28	293.20	292.93	292.82	292.81	292.83	
	12	292.90	293.03	292.83	293.03	292.96	293.78	293.30	293.18	292.93	292.82	292.83	292.82	
	13	292.89	292.96	292.83	293.03	293.00	293.55	293.77	293.16	292.92	292.82	292.84	292.80	
	14	292.97	292.93	292.83	293.25	293.14	293.41	293.44	293.16	292.92	292.82	292.85	292.79	
	15	292.90	292.92	292.81	293.15	293.45	293.38	293.48	293.14	292.91	292.81	292.87	292.77	
	16	292.86	292.90	292.80	293.43	293.72	293.45	294.22	293.13	292.91	292.81	292.86	292.78	
	17	292.86	292.88	292.79	293.39	293.43	293.36	294.15	293.12	292.91	292.81	292.84	292.80	
	18	292.87	292.93	292.78	293.39	293.24	293.46	294.33	293.11	292.91	292.81	292.83	292.79	
	19	292.93	293.05	292.77	293.23	293.38	293.34	294.39	293.10	292.89	292.80	292.83	292.80	
	20	292.95	292.97	292.77	293.12	293.30	293.25	293.91	293.09	292.89	292.80	292.81	292.79	
	21	292.94	292.93	292.76	293.08	293.19	293.25	294.07	293.08	292.89	292.81	292.85	292.83	
	22	292.89	292.93	292.76	293.14	293.14	293.31	294.03	293.06	292.89	292.81	292.89	292.90	
	23	292.99	292.92	292.75	293.17	293.10	293.28	293.88	293.06	292.88	292.81	292.85	292.93	
	24	293.10	292.89	292.77	293.26	293.08	293.56	293.58	293.06	292.89	292.80	292.82	293.09	
	25	292.96	292.86	293.10	293.33	293.08	293.67	293.47	293.04	292.88	292.79	292.79	292.93	
	26	293.00	292.85	292.91	293.53	293.12	294.18	293.40	293.03	292.88	292.78	292.78	292.84	
	27	293.09	292.84	292.84	293.31	293.32	293.99	293.35	293.01	292.87	292.78	292.77	292.81	
	28	293.04	292.87	292.81	293.20	293.41	293.93	293.32	293.01	292.87	292.79	292.75	292.80	
	29	293.28	292.89	292.80	293.14	293.71	293.97	293.42	292.99	292.87	292.79		292.80	
	30	293.62	292.85	292.79	293.12	293.81	293.59	293.37	292.99	292.86	292.78		292.79	
	31		292.82		293.12	293.67		294.11		292.86	292.77		292.82	
Mean		292.94	293.02	292.81	293.11	293.22	293.69	293.67	293.20	292.91	292.81	292.80	292.82	
Max		293.62	293.64	293.10	293.53	293.81	294.97	294.39	293.91	292.98	292.85	292.89	293.09	294.97
Min		292.78	292.82	292.75	292.79	292.96	293.25	293.28	292.99	292.86	292.77	292.75	292.73	292.73
Annual Max Momentary Gage Height			295.12	m. (MSL.) , at 19.00 Hours , on Sep 10, 2021										
Zero Gage at Bottom Elevation			290.90	m. (MSL.) , River Bed 291.29 m. (MSL.)										
Left Bank Elevation			299.98	m. (MSL.) ,										
Right Bank Elevation			299.98	m. (MSL.) , Drainage Are 713 Square Kilometers										



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.40	16.77	1.84	1.45	8.26	20.22	17.92	26.44	5.04	2.35	1.35	1.25		
2	1.40	19.99	1.67	3.20	7.34	26.92	28.12	18.38	4.81	2.35	1.30	1.20		
3	1.45	20.22	1.67	3.89	6.42	21.37	21.14	17.00	4.81	2.35	1.30	1.20		
4	1.67	11.25	1.45	2.86	5.96	19.99	17.46	14.70	4.58	2.35	1.35	1.15		
5	2.18	8.95	1.45	2.18	5.73	16.08	14.70	13.32	4.58	2.35	1.30	1.15		
6	2.86	6.88	1.45	2.01	7.57	14.47	19.53	12.40	4.58	2.18	1.25	1.20		
7	3.03	5.50	1.40	1.84	8.95	12.17	18.15	13.78	4.35	2.18	1.25	1.45		
8	2.35	4.58	1.40	2.35	7.34	28.36	14.47	12.86	4.12	1.84	1.25	2.86		
9	2.01	7.11	1.45	7.80	6.42	44.40	14.70	11.48	4.12	1.84	1.25	5.04		
10	2.35	7.34	1.67	8.26	5.50	56.10	14.01	10.56	4.12	1.84	1.40	3.03		
11	2.52	6.88	2.18	7.34	4.81	41.10	11.94	10.10	3.89	1.84	1.67	2.01		
12	3.20	6.19	2.01	6.19	4.58	23.44	12.40	9.64	3.89	1.84	2.01	1.84		
13	3.03	4.58	2.01	6.19	5.50	18.15	23.21	9.18	3.66	1.84	2.18	1.50		
14	4.81	3.89	2.01	11.25	8.72	14.93	15.62	9.18	3.66	1.84	2.35	1.45		
15	3.20	3.66	1.67	8.95	15.85	14.24	16.54	8.72	3.43	1.67	2.69	1.35		
16	2.52	3.20	1.50	15.39	22.06	15.85	34.04	8.49	3.43	1.67	2.52	1.40		
17	2.52	2.86	1.45	14.47	15.39	13.78	32.25	8.26	3.43	1.67	2.18	1.50		
18	2.69	3.89	1.40	14.47	11.02	16.08	37.04	8.03	3.43	1.67	2.01	1.45		
19	3.89	6.65	1.35	10.79	14.24	13.32	38.72	7.80	3.03	1.50	2.01	1.50		
20	4.35	4.81	1.35	8.26	12.40	11.25	26.44	7.57	3.03	1.50	1.67	1.45		
21	4.12	3.89	1.30	7.34	9.87	11.25	30.28	7.34	3.03	1.67	2.35	2.01		
22	3.03	3.89	1.30	8.72	8.72	12.63	29.32	6.88	3.03	1.67	3.03	3.20		
23	5.27	3.66	1.25	9.41	7.80	11.94	25.74	6.88	2.86	1.67	2.35	3.89		
24	7.80	3.03	1.35	11.48	7.34	18.38	18.84	6.88	3.03	1.50	1.84	7.57		
25	4.58	2.52	7.80	13.09	7.34	20.91	16.31	6.42	2.86	1.45	1.45	3.89		
26	5.50	2.35	3.43	17.69	8.26	33.00	14.70	6.19	2.86	1.40	1.40	2.18		
27	7.57	2.18	2.18	12.63	12.86	28.36	13.55	5.73	2.69	1.40	1.35	1.67		
28	6.42	2.69	1.67	10.10	14.93	26.92	12.86	5.73	2.69	1.45	1.25	1.50		
29	11.94	3.03	1.50	8.72	21.83	27.88	15.16	5.27	2.69	1.45		1.50		
30	19.76	2.35	1.45	8.26	24.13	19.07	14.01	5.27	2.52	1.40		1.45		
31		1.84		8.26	20.91		31.25		2.52	1.35		1.84		
Total	129.42	186.63	55.61	254.84	328.05	652.56	650.42	300.48	110.77	55.08	49.31	65.68	2838.85	CMSDAY
Mean	4.31	6.02	1.85	8.22	10.58	21.75	20.98	10.02	3.57	1.78	1.76	2.12	7.78	CMS
Max	19.76	20.22	7.80	17.69	24.13	56.10	38.72	26.44	5.04	2.35	3.03	7.57	56.10	CMS
Min	1.40	1.84	1.25	1.45	4.58	11.25	11.94	5.27	2.52	1.35	1.25	1.15	1.15	CMS
Runoff	11.18	16.12	4.80	22.02	28.34	56.38	56.20	25.96	9.57	4.76	4.26	5.67	245.28	MCM
Momentary Peak		60.60	CMS. at 295.12 m. (MSL.) at 19.00 Hours , on Sep 10, 2021											
Runoff Yield		11.44	Liters/Second/Square KM.				Momentary Peak Yield		89.12	Liters/Second/Square KM.				

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	119.35	119.20	119.02	119.06	119.20	119.07	121.55	121.10	120.73	120.50	120.19	119.88	
	2	119.35	119.19	119.01	119.07	119.19	119.07	121.51	121.11	120.72	120.49	120.18	119.87	
	3	119.34	119.19	119.00	119.06	119.18	119.08	121.44	120.97	120.71	120.48	120.17	119.86	
	4	119.34	119.18	118.99	119.06	119.18	119.07	121.34	120.72	120.70	120.47	120.16	119.85	
	5	119.33	119.17	118.98	119.05	119.17	119.09	121.20	120.88	120.69	120.46	120.15	119.84	
	6	119.33	119.16	118.97	119.04	119.17	119.09	121.14	121.07	120.68	120.45	120.14	119.82	
	7	119.32	119.15	119.02	119.06	119.15	119.10	121.10	121.16	120.67	120.44	120.13	119.82	
	8	119.31	119.15	119.02	119.08	119.15	119.09	121.09	121.17	120.66	120.43	120.12	119.82	
	9	119.30	119.14	119.01	119.11	119.14	119.19	121.10	121.08	120.66	120.42	120.10	119.82	
	10	119.29	119.13	119.00	119.11	119.13	119.22	121.07	120.92	120.65	120.41	120.08	119.81	
	11	119.28	119.12	119.04	119.11	119.12	119.23	121.07	120.76	120.64	120.39	120.07	119.80	
	12	119.26	119.12	119.04	119.11	119.11	119.23	121.04	120.63	120.63	120.38	120.06	119.79	
	13	119.25	119.10	119.06	119.11	119.11	119.24	121.01	120.77	120.62	120.37	120.05	119.78	
	14	119.24	119.10	119.06	119.11	119.12	119.24	120.98	120.87	120.61	120.36	120.03	119.77	
	15	119.24	119.09	119.06	119.11	119.12	119.24	120.94	120.88	120.60	120.35	120.02	119.76	
	16	119.23	119.09	119.05	119.11	119.12	119.54	120.97	120.75	120.60	120.34	120.01	119.75	
	17	119.22	119.08	119.05	119.10	119.12	120.47	121.06	120.53	120.59	120.33	120.00	119.74	
	18	119.22	119.07	119.06	119.10	119.11	120.70	121.15	120.58	120.58	120.32	119.99	119.77	
	19	119.21	119.06	119.05	119.10	119.10	120.52	121.37	120.35	120.58	120.32	119.98	119.89	
	20	119.21	119.05	119.05	119.08	119.09	120.69	121.34	120.44	120.57	120.31	119.97	119.89	
	21	119.19	119.05	119.04	119.07	119.09	120.76	121.29	120.54	120.57	120.29	119.96	119.89	
	22	119.19	119.05	119.04	119.07	119.08	120.71	121.03	120.62	120.57	120.29	119.95	119.88	
	23	119.18	119.05	119.04	119.06	119.08	120.78	121.18	120.70	120.56	120.28	119.93	119.89	
	24	119.17	119.05	119.04	119.08	119.09	120.88	121.17	120.73	120.56	120.28	119.92	119.92	
	25	119.17	119.05	119.04	119.15	119.09	121.08	121.15	120.74	120.56	120.27	119.90	119.92	
	26	119.16	119.05	119.03	119.21	119.08	121.27	121.10	120.75	120.56	120.26	119.89	119.92	
	27	119.15	119.04	119.05	119.22	119.08	121.32	121.00	120.75	120.56	120.25	119.89	119.91	
	28	119.17	119.04	119.05	119.20	119.08	121.40	120.88	120.75	120.54	120.24	119.88	119.91	
	29	119.18	119.04	119.05	119.20	119.08	121.45	120.90	120.75	120.54	120.23		119.90	
	30	119.19	119.04	119.05	119.20	119.08	121.52	120.95	120.74	120.53	120.21		119.89	
	31		119.04		119.20	119.08		121.00		120.52	120.20		119.88	
Mean		119.25	119.10	119.03	119.11	119.12	120.01	121.13	120.79	120.61	120.35	120.03	119.85	
Max		119.35	119.20	119.06	119.22	119.20	121.52	121.55	121.17	120.73	120.50	120.19	119.92	121.55
Min		119.15	119.04	118.97	119.04	119.08	119.07	120.88	120.35	120.52	120.20	119.88	119.74	118.97
Annual Max Momentary Gage Height				121.55	m. (MSL.) , at 06.00 Hours , on Oct 1, 2021									
Zero Gage at Bottom Elevation				115.80	m. (MSL.) , River Bed 118.25 m. (MSL.)									
Left Bank Elevation				124.41	m. (MSL.) ,									
Right Bank Elevation				124.10	m. (MSL.) , Drainage Are 3.153 Square Kilometers									



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	0.00	0.00	0.00	0.00	0.00	0.00	52.55	23.70	9.60	5.70	2.64	1.24		
	2	0.00	0.00	0.00	0.00	0.00	0.00	49.79	24.25	9.40	5.57	2.58	1.21		
	3	0.00	0.00	0.00	0.00	0.00	0.00	44.96	17.12	9.20	5.44	2.52	1.18		
	4	0.00	0.00	0.00	0.00	0.00	0.00	38.30	9.40	9.00	5.31	2.46	1.15		
	5	0.00	0.00	0.00	0.00	0.00	0.00	29.20	13.88	8.80	5.18	2.40	1.12		
	6	0.00	0.00	0.00	0.00	0.00	0.00	25.90	22.05	8.60	5.05	2.34	1.06		
	7	0.00	0.00	0.00	0.00	0.00	0.00	23.70	27.00	8.40	4.92	2.28	1.06		
	8	0.00	0.00	0.00	0.00	0.00	0.00	23.15	27.55	8.20	4.79	2.22	1.06		
	9	0.00	0.00	0.00	0.00	0.00	0.19	23.70	22.60	8.20	4.66	2.10	1.06		
	10	0.00	0.00	0.00	0.00	0.00	0.22	22.05	15.32	8.00	4.53	2.00	1.03		
	11	0.00	0.00	0.00	0.00	0.00	0.23	22.05	10.20	7.80	4.31	1.95	1.00		
	12	0.00	0.00	0.00	0.00	0.00	0.23	20.40	7.60	7.60	4.22	1.90	0.98		
	13	0.00	0.00	0.00	0.00	0.00	0.24	18.75	10.40	7.40	4.13	1.85	0.96		
	14	0.00	0.00	0.00	0.00	0.00	0.24	17.48	13.52	7.20	4.04	1.75	0.94		
	15	0.00	0.00	0.00	0.00	0.00	0.24	16.04	13.88	7.00	3.95	1.70	0.92		
	16	0.00	0.00	0.00	0.00	0.00	0.54	17.12	10.00	7.00	3.86	1.65	0.90		
	17	0.00	0.00	0.00	0.00	0.00	5.31	21.50	6.09	6.87	3.77	1.60	0.88		
	18	0.00	0.00	0.00	0.00	0.00	9.00	26.45	6.74	6.74	3.68	1.57	0.94		
	19	0.00	0.00	0.00	0.00	0.00	5.96	40.25	3.95	6.74	3.68	1.54	1.27		
	20	0.00	0.00	0.00	0.00	0.00	8.80	38.30	4.92	6.61	3.59	1.51	1.27		
	21	0.00	0.00	0.00	0.00	0.00	10.20	35.05	6.22	6.61	3.42	1.48	1.27		
	22	0.00	0.00	0.00	0.00	0.00	9.20	19.85	7.40	6.61	3.42	1.45	1.24		
	23	0.00	0.00	0.00	0.00	0.00	10.60	28.10	9.00	6.48	3.34	1.39	1.27		
	24	0.00	0.00	0.00	0.00	0.00	13.88	27.55	9.60	6.48	3.34	1.36	1.36		
	25	0.00	0.00	0.00	0.00	0.00	22.60	26.45	9.80	6.48	3.26	1.30	1.36		
	26	0.00	0.00	0.00	0.00	0.00	33.75	23.70	10.00	6.48	3.18	1.27	1.36		
	27	0.00	0.00	0.00	0.00	0.00	37.00	18.20	10.00	6.48	3.10	1.27	1.33		
	28	0.00	0.00	0.00	0.00	0.00	42.20	13.88	10.00	6.22	3.02	1.24	1.33		
	29	0.00	0.00	0.00	0.00	0.00	45.65	14.60	10.00	6.22	2.94		1.30		
	30	0.00	0.00	0.00	0.00	0.00	50.48	16.40	9.80	6.09	2.78		1.27		
	31		0.00		0.00	0.00		18.20		5.96	2.70		1.24		
Total		0.00	0.00	0.00	0.00	0.00	306.76	813.62	381.99	228.47	124.88	51.32	35.56	1942.60	CMSDAY
Mean		0.00	0.00	0.00	0.00	0.00	10.23	26.25	12.73	7.37	4.03	1.83	1.15	5.32	CMS
Max		0.00	0.00	0.00	0.00	0.00	50.48	52.55	27.55	9.60	5.70	2.64	1.36	52.55	CMS
Min		0.00	0.00	0.00	0.00	0.00	0.00	13.88	3.95	5.96	2.70	1.24	0.88	0.00	CMS
Runoff		0.00	0.00	0.00	0.00	0.00	26.50	70.30	33.00	19.74	10.79	4.43	3.07	167.84	MCM
Momentary Peak		52.55	CMS. at 121.55 m. (MSL.) at 06.00 Hours , on Oct 1, 2021												
Runoff Yield		1.69	Liters/Second/Square KM.				Momentary Peak Yield				16.67	Liters/Second/Square KM.			

WATER YEAR : 2021**MUN RIVER BASIN****Mun River at Ban Wang Prat, Buri Ram (M.104)**

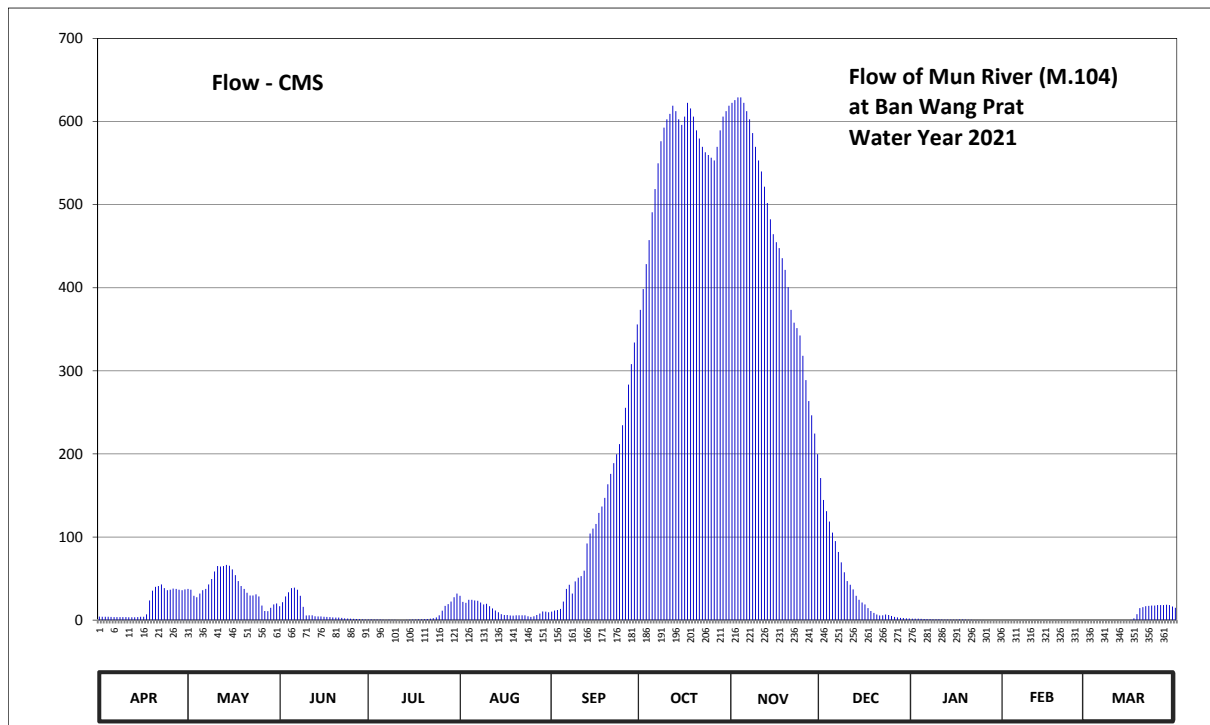
Lat 15 - 26 - 07 N Long 103 - 00 - 45 E

Location : on left bank at the bridge.

	Ban Wang Prat	Amphoe Khu Mueang	Changwat Buri Ram
Drainage Area	25,036 sq.km.		
Type of Gage	Water- stage recorder.		
Zero Gage at Bottom	+129.800 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank at the footpath of the bridge.	Elevation	+140.339 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	Stable because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records very good. Stage-discharge relation defined by 17 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	131.41	132.35	131.87	130.97	132.18	131.67	135.77	136.68	134.53	131.16	130.69	130.73	
2	131.40	132.33	131.99	130.98	132.00	131.72	135.88	136.69	134.22	131.15	130.69	130.74	
3	131.40	132.18	132.16	130.96	131.97	131.74	136.01	136.70	134.03	131.13	130.70	130.72	
4	131.40	132.14	132.27	130.96	132.06	131.78	136.13	136.70	133.85	131.09	130.71	130.71	
5	131.38	132.24	132.37	130.95	132.06	132.01	136.26	136.68	133.64	131.06	130.71	130.70	
6	131.37	132.32	132.38	130.91	132.04	132.35	136.36	136.65	133.47	131.03	130.69	130.67	
7	131.37	132.35	132.33	130.89	132.03	132.45	136.46	136.62	133.24	131.01	130.68	130.66	
8	131.37	132.46	132.18	130.90	131.98	132.24	136.54	136.57	132.99	131.00	130.67	130.65	
9	131.37	132.59	131.85	130.89	131.92	132.53	136.59	136.52	132.75	130.99	130.65	130.64	
10	131.36	132.77	131.48	130.87	131.94	132.62	136.62	136.47	132.54	130.98	130.66	130.63	
11	131.35	132.90	131.49	130.85	131.87	132.66	136.64	136.43	132.45	130.96	130.68	130.63	
12	131.35	132.89	131.49	130.84	131.80	132.79	136.67	136.37	132.34	130.93	130.70	130.63	
13	131.34	132.90	131.43	130.85	131.72	133.42	136.65	136.30	132.18	130.91	130.72	130.62	
14	131.37	132.93	131.42	130.87	131.65	133.62	136.62	136.23	132.06	130.90	130.72	130.62	
15	131.40	132.91	131.42	130.93	131.56	133.72	136.60	136.16	131.98	130.90	130.72	130.65	
16	131.40	132.82	131.40	130.96	131.51	133.81	136.63	136.12	131.92	130.93	130.72	130.88	
17	131.55	132.68	131.39	130.97	131.51	134.00	136.68	136.09	131.81	130.95	130.72	131.22	
18	132.04	132.54	131.36	130.98	131.48	134.11	136.66	136.04	131.70	130.95	130.72	131.56	
19	132.31	132.42	131.33	131.00	131.47	134.25	136.63	135.98	131.62	130.92	130.72	131.81	
20	132.40	132.35	131.31	131.03	131.49	134.45	136.58	135.89	131.54	130.89	130.72	131.84	
21	132.42	132.26	131.30	131.08	131.49	134.58	136.55	135.77	131.48	130.87	130.72	131.87	
22	132.46	132.19	131.27	131.16	131.49	134.69	136.52	135.70	131.49	130.85	130.72	131.88	
23	132.37	132.19	131.22	131.23	131.49	134.78	136.50	135.67	131.54	130.84	130.72	131.89	
24	132.32	132.22	131.17	131.33	131.43	134.87	136.49	135.63	131.51	130.83	130.72	131.89	
25	132.33	132.16	131.13	131.49	131.39	135.03	136.48	135.51	131.45	130.82	130.72	131.90	
26	132.36	131.89	131.09	131.71	131.43	135.17	136.47	135.36	131.38	130.80	130.72	131.90	
27	132.35	131.70	131.05	131.88	131.51	135.33	136.52	135.22	131.32	130.79	130.72	131.90	
28	132.33	131.69	131.03	131.93	131.59	135.46	136.58	135.11	131.27	130.78	130.72	131.91	
29	132.32	131.82	130.99	132.01	131.68	135.59	136.63	134.96	131.24	130.76		131.90	
30	132.34	131.92	130.95	132.14	131.67	135.69	136.65	134.78	131.22	130.74		131.86	
31		131.95		132.24	131.65		136.67		131.19	130.72		131.82	
Mean	131.80	132.36	131.54	131.19	131.71	133.64	136.49	136.05	132.26	130.92	130.71	131.23	
Max	132.46	132.93	132.38	132.24	132.18	135.69	136.68	136.70	134.53	131.16	130.72	131.91	136.70
Min	131.34	131.69	130.95	130.84	131.39	131.67	135.77	134.78	131.19	130.72	130.65	130.62	130.62
Annual Max Momentary Gage Height	136.70		m. (MSL.) ,			at 01.00 Hours ,	on Nov 3, 2021						
Zero Gage at Bottom Elevation	129.80		m. (MSL.) ,			River Bed	126.88	m. (MSL.)					
Left Bank Elevation		140.33		m. (MSL.) ,									
Right Bank Elevation		140.34		m. (MSL.) ,		Drainage Are	25,036	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.20	37.50	16.80	0.85	29.20	10.10	373.40	622.40	171.00	1.80	0.00	0.00	
2	4.00	36.50	21.60	0.90	22.00	11.60	398.40	625.70	144.60	1.75	0.00	0.00	
3	4.00	29.20	28.40	0.80	20.80	12.20	428.40	629.00	131.10	1.65	0.00	0.00	
4	4.00	27.60	33.50	0.80	24.40	13.40	457.20	629.00	118.50	1.45	0.00	0.00	
5	3.80	32.00	38.50	0.75	24.40	22.40	490.80	622.40	105.40	1.30	0.00	0.00	
6	3.70	36.00	39.00	0.55	23.60	37.50	518.80	612.50	95.20	1.15	0.00	0.00	
7	3.70	37.50	36.50	0.45	23.20	42.50	549.80	602.60	82.00	1.05	0.00	0.00	
8	3.70	43.00	29.20	0.50	21.20	32.00	576.20	586.10	69.50	1.00	0.00	0.00	
9	3.70	49.50	16.00	0.45	18.80	46.50	592.70	569.60	57.50	0.95	0.00	0.00	
10	3.60	58.50	5.60	0.35	19.60	51.00	602.60	553.10	47.00	0.90	0.00	0.00	
11	3.50	65.00	5.80	0.25	16.80	53.00	609.20	539.90	42.50	0.80	0.00	0.00	
12	3.50	64.50	5.80	0.20	14.00	59.50	619.10	521.60	37.00	0.65	0.00	0.00	
13	3.40	65.00	4.60	0.25	11.60	92.20	612.50	502.00	29.20	0.55	0.00	0.00	
14	3.70	66.50	4.40	0.35	9.50	104.20	602.60	482.40	24.40	0.50	0.00	0.00	
15	4.00	65.50	4.40	0.65	7.20	110.20	596.00	464.40	21.20	0.50	0.00	0.00	
16	4.00	61.00	4.00	0.80	6.20	115.70	605.90	454.80	18.80	0.65	0.00	0.40	
17	7.00	54.00	3.90	0.85	6.20	129.00	622.40	447.60	14.40	0.75	0.00	2.20	
18	23.60	47.00	3.60	0.90	5.60	136.70	615.80	435.60	11.00	0.75	0.00	7.20	
19	35.50	41.00	3.30	1.00	5.40	147.00	605.90	421.40	8.60	0.60	0.00	14.40	
20	40.00	37.50	3.10	1.15	5.80	163.50	589.40	400.70	6.80	0.45	0.00	15.60	
21	41.00	33.00	3.00	1.40	5.80	176.00	579.50	373.40	5.60	0.35	0.00	16.80	
22	43.00	29.60	2.70	1.80	5.80	188.80	569.60	358.00	5.80	0.25	0.00	17.20	
23	38.50	29.60	2.20	2.30	5.80	199.60	563.00	351.40	6.80	0.20	0.00	17.60	
24	36.00	31.00	1.85	3.30	4.60	211.80	559.70	342.60	6.20	0.15	0.00	17.60	
25	36.50	28.40	1.65	5.80	3.90	234.50	556.40	318.00	5.00	0.10	0.00	18.00	
26	38.00	17.60	1.45	11.30	4.60	255.50	553.10	288.80	3.80	0.00	0.00	18.00	
27	37.50	11.00	1.25	17.20	6.20	283.40	569.60	263.60	3.20	0.00	0.00	18.00	
28	36.50	10.70	1.15	19.20	7.80	308.00	589.40	246.50	2.70	0.00	0.00	18.40	
29	36.00	14.80	0.95	22.40	10.40	334.00	605.90	224.40	2.40	0.00		18.00	
30	37.00	18.80	0.75	27.60	10.10	355.80	612.50	199.60	2.20	0.00		16.40	
31		20.00		32.00	9.50		619.10		1.95	0.00		14.80	
Total	546.60	1198.80	324.95	157.10	390.00	3937.60	17444.90	13689.10	1281.35	20.25	0.00	230.60	39221.25 CMSDAY
Mean	18.22	38.67	10.83	5.07	12.58	131.25	562.74	456.30	41.33	0.65	0.00	7.44	107.46 CMS
Max	43.00	66.50	39.00	32.00	29.20	355.80	622.40	629.00	171.00	1.80	0.00	18.40	629.00 CMS
Min	3.40	10.70	0.75	0.20	3.90	10.10	373.40	199.60	1.95	0.00	0.00	0.00	0.00 CMS
Runoff	47.23	103.58	28.08	13.57	33.70	340.21	1507.24	1182.74	110.71	1.75	0.00	19.92	3388.72 MCM
Momentary Peak	629.00 CMS. at 136.70 m. (MSL.) at 01.00 Hours , on Nov 3, 2021												
Runoff Yield	4.29	Liters/Second/Square KM.		Momentary Peak Yield		25.12	Liters/Second/Square KM.						

WATER YEAR : 2021**MUN RIVER BASIN****Huai Ta Thieo at Ban Na Hai, Ubon Ratchathani (M.127)**

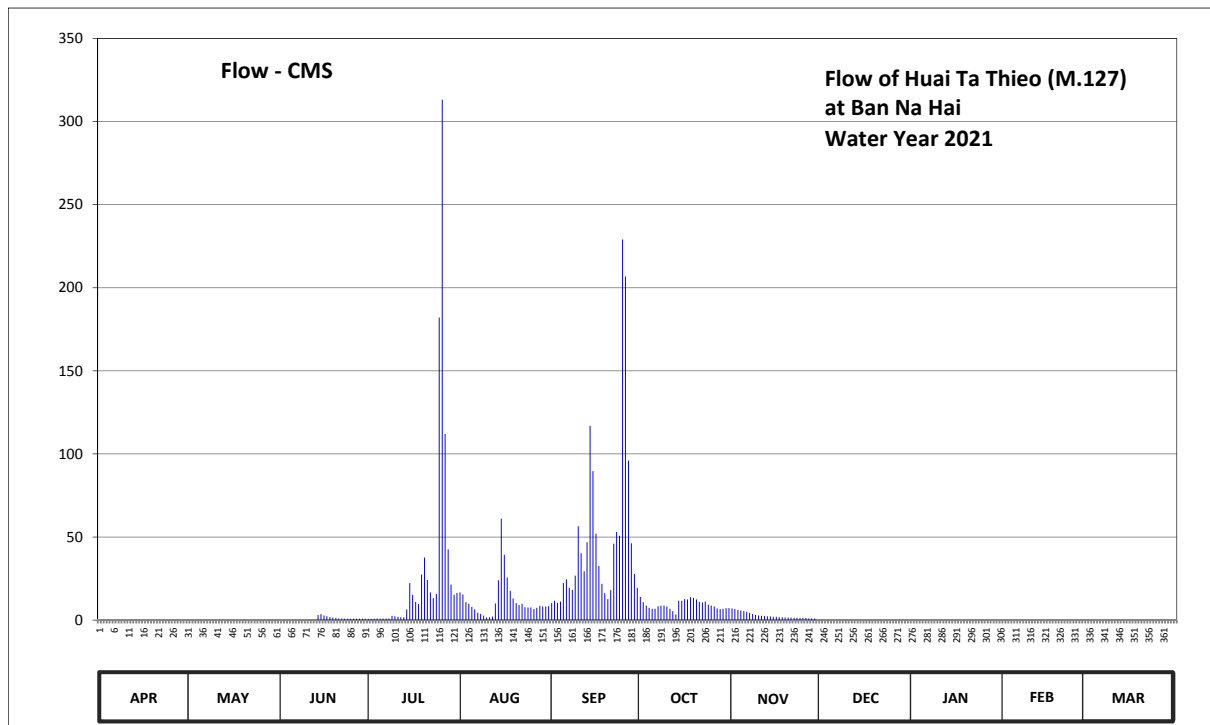
Lat 15 - 38 - 42 N Long 104 - 55 - 43 E

Location : on left bank at the bridge on road.

	Ban	Na Hai	Amphoe	Trakan Phutphon	Changwat	Ubon Ratchathani
Drainage Area	425	sq.km.				
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 22 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

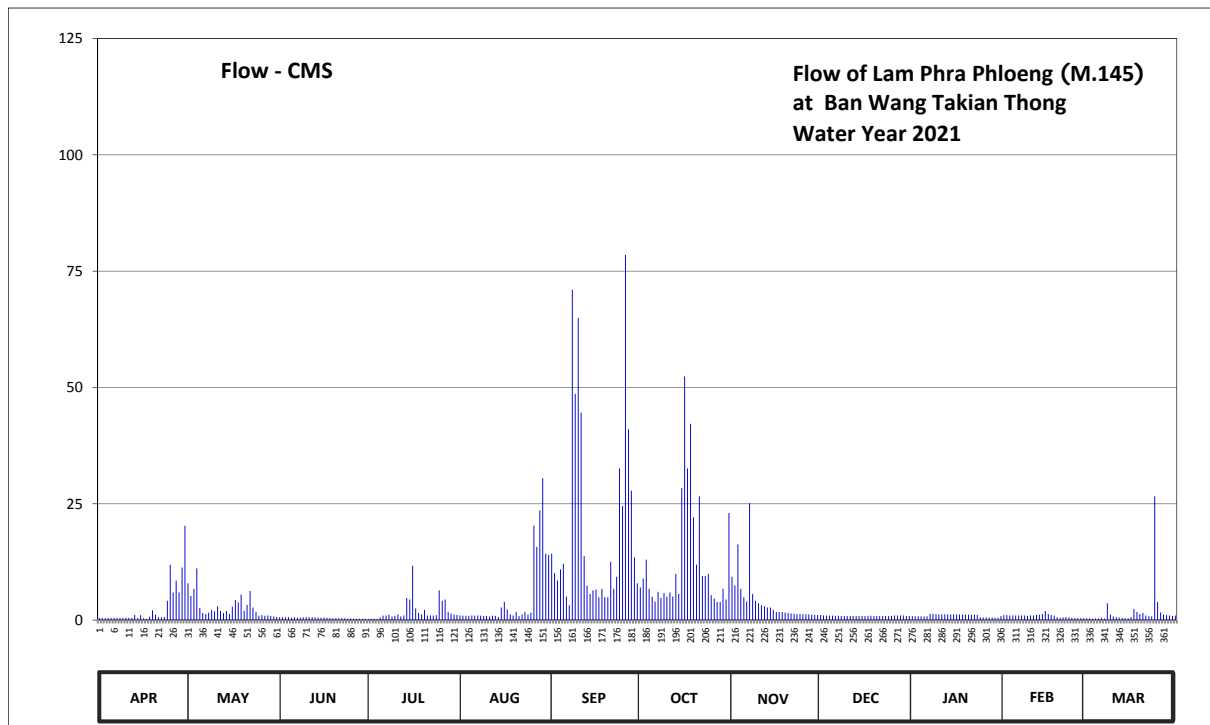
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	116.10	115.94	115.95	116.53	117.53	117.21	117.40	117.05	116.60	116.54	116.41	116.27	
2	116.10	115.95	115.95	116.53	117.47	117.28	117.24	117.03	116.60	116.54	116.41	116.27	
3	116.10	115.99	115.95	116.56	117.24	117.22	117.14	117.01	116.60	116.54	116.40	116.27	
4	116.10	115.98	115.94	116.58	117.19	117.26	117.07	116.99	116.60	116.53	116.40	116.27	
5	116.09	115.98	115.94	116.55	117.10	117.81	117.04	116.97	116.60	116.53	116.39	116.27	
6	116.08	115.97	115.99	116.58	117.02	117.92	117.04	116.95	116.60	116.53	116.37	116.26	
7	116.07	115.96	116.14	116.60	116.92	117.67	117.12	116.92	116.60	116.53	116.36	116.25	
8	116.06	115.96	116.15	116.60	116.87	117.61	117.14	116.87	116.59	116.52	116.35	116.24	
9	116.06	115.94	116.14	116.76	116.77	118.04	117.14	116.81	116.59	116.52	116.34	116.23	
10	116.06	115.94	116.14	116.73	116.65	119.34	117.11	116.78	116.59	116.52	116.34	116.23	
11	116.05	115.94	116.16	116.70	116.67	118.69	117.04	116.76	116.59	116.51	116.33	116.22	
12	116.05	115.94	116.16	116.67	116.71	118.17	116.97	116.74	116.59	116.51	116.33	116.22	
13	116.05	115.94	116.31	116.66	117.20	118.95	116.84	116.73	116.59	116.51	116.32	116.22	
14	116.05	115.93	116.81	117.02	117.90	121.06	117.28	116.72	116.58	116.50	116.32	116.22	
15	116.04	115.93	116.86	117.81	119.52	120.39	117.28	116.70	116.58	116.50	116.31	116.23	
16	116.04	115.92	116.78	117.46	118.65	119.16	117.33	116.70	116.58	116.50	116.31	116.25	
17	116.03	115.91	116.73	117.25	117.98	118.33	117.32	116.68	116.58	116.49	116.31	116.24	
18	116.02	115.91	116.68	117.18	117.58	117.79	117.39	116.67	116.57	116.48	116.30	116.24	
19	116.01	115.90	116.65	118.07	117.35	117.51	117.37	116.66	116.57	116.47	116.30	116.24	
20	116.00	115.90	116.63	118.58	117.21	117.33	117.32	116.65	116.57	116.46	116.30	116.23	
21	115.99	115.89	116.60	117.91	117.15	117.60	117.25	116.65	116.57	116.45	116.30	116.23	
22	115.99	115.89	116.57	117.53	117.19	118.92	117.23	116.64	116.57	116.44	116.29	116.24	
23	115.98	115.88	116.56	117.36	117.09	119.20	117.26	116.64	116.57	116.43	116.29	116.24	
24	115.97	115.92	116.55	117.49	117.08	119.11	117.16	116.63	116.57	116.43	116.29	116.25	
25	115.97	115.98	116.55	122.05	117.08	122.60	117.14	116.63	116.56	116.43	116.28	116.25	
26	115.96	115.98	116.56	123.36	117.03	122.35	117.11	116.62	116.56	116.43	116.28	116.25	
27	115.95	115.98	116.55	120.95	117.07	120.55	117.05	116.61	116.56	116.43	116.27	116.25	
28	115.95	115.98	116.55	118.78	117.13	118.93	117.03	116.61	116.56	116.42	116.27	116.24	
29	115.95	115.97	116.54	117.77	117.11	118.09	117.04	116.60	116.56	116.42		116.24	
30	115.94	115.97	116.54	117.46	117.11	117.67	117.06	116.60	116.56	116.42		116.23	
31		115.97		117.52	117.12		117.06		116.55	116.42		116.23	
Mean	116.03	115.94	116.39	117.66	117.28	118.66	117.16	116.75	116.58	116.48	116.33	116.24	
Max	116.10	115.99	116.86	123.36	119.52	122.60	117.40	117.05	116.60	116.54	116.41	116.27	123.36
Min	115.94	115.88	115.94	116.53	116.65	117.21	116.84	116.60	116.55	116.42	116.27	116.22	115.88
Annual Max Momentary Gage Height	123.48		m. (MSL.) ,			at 12.00 Hours ,	on Jul 26, 2021						
Zero Gage at Bottom Elevation	115.30		m. (MSL.) ,			River Bed	113.36	m. (MSL.)					
Left Bank Elevation		126.61		m. (MSL.) ,									
Right Bank Elevation		126.60		m. (MSL.) ,		Drainage Are	425	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.00	0.79	16.60	10.20	14.00	7.00	0.00	0.00	0.00	0.00		
2	0.00	0.00	0.00	0.79	15.40	11.60	10.80	6.60	0.00	0.00	0.00	0.00		
3	0.00	0.00	0.00	0.88	10.80	10.40	8.80	6.20	0.00	0.00	0.00	0.00		
4	0.00	0.00	0.00	0.94	9.80	11.20	7.40	5.80	0.00	0.00	0.00	0.00		
5	0.00	0.00	0.00	0.85	8.00	22.20	6.80	5.40	0.00	0.00	0.00	0.00		
6	0.00	0.00	0.00	0.94	6.40	24.40	6.80	5.00	0.00	0.00	0.00	0.00		
7	0.00	0.00	0.00	1.00	4.40	19.40	8.40	4.40	0.00	0.00	0.00	0.00		
8	0.00	0.00	0.00	1.00	3.70	18.20	8.80	3.70	0.00	0.00	0.00	0.00		
9	0.00	0.00	0.00	2.60	2.70	26.80	8.80	3.10	0.00	0.00	0.00	0.00		
10	0.00	0.00	0.00	2.30	1.50	56.50	8.20	2.80	0.00	0.00	0.00	0.00		
11	0.00	0.00	0.00	2.00	1.70	40.25	6.80	2.60	0.00	0.00	0.00	0.00		
12	0.00	0.00	0.00	1.70	2.10	29.40	5.40	2.40	0.00	0.00	0.00	0.00		
13	0.00	0.00	0.22	1.60	10.00	46.75	3.40	2.30	0.00	0.00	0.00	0.00		
14	0.00	0.00	3.10	6.40	24.00	117.00	11.60	2.20	0.00	0.00	0.00	0.00		
15	0.00	0.00	3.60	22.20	61.00	89.60	11.60	2.00	0.00	0.00	0.00	0.00		
16	0.00	0.00	2.80	15.20	39.25	52.00	12.60	2.00	0.00	0.00	0.00	0.00		
17	0.00	0.00	2.30	11.00	25.60	32.60	12.40	1.80	0.00	0.00	0.00	0.00		
18	0.00	0.00	1.80	9.60	17.60	21.80	13.80	1.70	0.00	0.00	0.00	0.00		
19	0.00	0.00	1.50	27.40	13.00	16.20	13.40	1.60	0.00	0.00	0.00	0.00		
20	0.00	0.00	1.30	37.60	10.20	12.60	12.40	1.50	0.00	0.00	0.00	0.00		
21	0.00	0.00	1.00	24.20	9.00	18.00	11.00	1.50	0.00	0.00	0.00	0.00		
22	0.00	0.00	0.91	16.60	9.80	46.00	10.60	1.40	0.00	0.00	0.00	0.00		
23	0.00	0.00	0.88	13.20	7.80	53.00	11.20	1.40	0.00	0.00	0.00	0.00		
24	0.00	0.00	0.85	15.80	7.60	50.75	9.20	1.30	0.00	0.00	0.00	0.00		
25	0.00	0.00	0.85	182.00	7.60	229.00	8.80	1.30	0.00	0.00	0.00	0.00		
26	0.00	0.00	0.88	313.20	6.60	206.75	8.20	1.20	0.00	0.00	0.00	0.00		
27	0.00	0.00	0.85	112.00	7.40	96.00	7.00	1.10	0.00	0.00	0.00	0.00		
28	0.00	0.00	0.85	42.50	8.60	46.25	6.60	1.10	0.00	0.00	0.00	0.00		
29	0.00	0.00	0.82	21.40	8.20	27.80	6.80	1.00	0.00	0.00	0.00	0.00		
30	0.00	0.00	0.82	15.20	8.20	19.40	7.20	0.00	0.00	0.00		0.00		
31		0.00		16.40	8.40		7.20		0.00	0.00		0.00		
Total	0.00	0.00	25.33	919.29	372.95	1462.05	286.00	81.40	0.00	0.00	0.00	0.00	3147.02	CMSDAY
Mean	0.00	0.00	0.84	29.65	12.03	48.73	9.23	2.71	0.00	0.00	0.00	0.00	8.62	CMS
Max	0.00	0.00	3.60	313.20	61.00	229.00	14.00	7.00	0.00	0.00	0.00	0.00	313.20	CMS
Min	0.00	0.00	0.00	0.79	1.50	10.20	3.40	0.00	0.00	0.00	0.00	0.00	0.00	CMS
Runoff	0.00	0.00	2.19	79.43	32.22	126.32	24.71	7.03	0.00	0.00	0.00	0.00	271.90	MCM
Momentary Peak	329.20	CMS, at 123.48 m. (MSL.) , at 12.00 Hours , on Jul 26, 2021												
Runoff Yield	20.29	Liters/Second/Square KM.					Momentary Peak Yield	774.59	Liters/Second/Square KM.					

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	386.39	387.26	386.46	386.28	386.59	387.57	387.20	387.34	386.61	386.54	386.61	386.33	
	2	386.39	387.08	386.44	386.30	386.58	387.38	387.32	387.23	386.60	386.53	386.61	386.33	
	3	386.38	387.18	386.46	386.30	386.57	387.30	387.52	387.65	386.59	386.53	386.60	386.31	
	4	386.38	387.43	386.44	386.29	386.57	387.42	387.18	387.18	386.58	386.53	386.60	386.32	
	5	386.39	386.86	386.41	386.42	386.60	387.48	387.07	387.06	386.58	386.52	386.60	386.31	
	6	386.39	386.70	386.45	386.58	386.58	387.07	387.00	387.00	386.57	386.53	386.60	386.39	
	7	386.39	386.66	386.40	386.60	386.59	386.92	387.14	387.97	386.57	386.67	386.60	386.32	
	8	386.39	386.72	386.40	386.63	386.58	389.14	387.05	387.11	386.56	386.66	386.59	386.96	
	9	386.39	386.82	386.45	386.51	386.55	388.64	387.12	387.01	386.55	386.65	386.55	386.63	
	10	386.39	386.78	386.46	386.57	386.55	389.01	387.07	386.96	386.55	386.65	386.59	386.52	
	11	386.39	386.90	386.45	386.65	386.52	388.54	387.13	386.92	386.55	386.65	386.59	386.46	
	12	386.39	386.80	386.44	386.51	386.58	387.55	387.07	386.90	386.56	386.65	386.62	386.42	
	13	386.62	386.71	386.43	386.60	386.57	387.23	387.37	386.87	386.55	386.65	386.63	386.39	
	14	386.38	386.79	386.42	387.05	386.48	387.11	387.11	386.87	386.55	386.64	386.66	386.38	
	15	386.61	386.66	386.40	387.03	386.87	387.16	388.08	386.82	386.55	386.65	386.79	386.36	
	16	386.35	386.89	386.43	387.46	386.99	387.17	388.73	386.75	386.54	386.64	386.66	386.46	
	17	386.29	387.02	386.40	386.85	386.83	387.06	388.22	386.75	386.55	386.64	386.62	386.84	
	18	386.50	386.98	386.38	386.71	386.65	387.18	388.48	386.74	386.57	386.64	386.57	386.75	
	19	386.81	387.10	386.36	386.65	386.59	387.06	387.87	386.72	386.56	386.63	386.44	386.66	
	20	386.63	386.80	386.36	386.82	386.75	387.06	387.47	386.71	386.55	386.63	386.40	386.71	
	21	386.46	386.93	386.35	386.60	386.54	387.50	388.02	386.69	386.56	386.63	386.43	386.59	
	22	386.45	387.15	386.36	386.59	386.64	387.18	387.35	386.67	386.56	386.63	386.46	386.53	
	23	386.47	386.87	386.34	386.58	386.75	387.34	387.35	386.65	386.56	386.62	386.43	386.52	
	24	387.01	386.75	386.31	386.61	386.64	388.22	387.37	386.66	386.56	386.45	386.40	388.02	
	25	387.47	386.58	386.32	387.16	386.72	387.95	387.09	386.65	386.56	386.43	386.38	386.99	
	26	387.13	386.61	386.31	387.01	387.81	389.29	387.04	386.65	386.60	386.43	386.36	386.73	
	27	387.30	386.57	386.29	387.03	387.63	388.45	386.99	386.64	386.60	386.42	386.35	386.63	
	28	387.13	386.60	386.30	386.76	387.92	388.06	386.99	386.63	386.59	386.43	386.34	386.61	
	29	387.44	386.56	386.30	386.68	388.15	387.54	387.18	386.62	386.60	386.41		386.59	
	30	387.81	386.51	386.30	386.64	387.57	387.26	387.03	386.61	386.56	386.41		386.56	
	31		386.48		386.62	387.56		387.90		386.55	386.54		386.58	
Mean		386.65	386.83	386.39	386.68	386.86	387.66	387.40	386.90	386.57	386.57	386.54	386.59	
Max		387.81	387.43	386.46	387.46	388.15	389.29	388.73	387.97	386.61	386.67	386.79	388.02	389.29
Min		386.29	386.48	386.29	386.28	386.48	386.92	386.99	386.61	386.54	386.41	386.34	386.31	386.28
Annual Max Momentary Gage Height			389.80	m. (MSL.) ,			at 18.00 Hours , on Sep 10, 2021							
Zero Gage at Bottom Elevation			383.00	m. (MSL.) ,			River Bed	385.16	m. (MSL.)					
Left Bank Elevation			391.23	m. (MSL.) ,										
Right Bank Elevation			391.55	m. (MSL.) ,			Drainage Are	338	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.48	7.90	0.65	0.26	0.98	14.25	7.00	9.30	1.05	0.85	1.05	0.36	
2	0.48	5.20	0.60	0.30	0.95	10.10	8.90	7.45	1.00	0.83	1.05	0.36	
3	0.46	6.70	0.65	0.30	0.93	8.50	13.00	16.25	0.98	0.83	1.00	0.32	
4	0.46	11.10	0.60	0.28	0.93	10.90	6.70	6.70	0.95	0.83	1.00	0.34	
5	0.48	2.60	0.53	0.55	1.00	12.10	5.05	4.90	0.95	0.80	1.00	0.32	
6	0.48	1.50	0.63	0.95	0.95	5.05	4.00	4.00	0.93	0.83	1.00	0.48	
7	0.48	1.30	0.50	1.00	0.98	3.20	6.10	25.10	0.93	1.35	1.00	0.34	
8	0.48	1.60	0.50	1.15	0.95	71.00	4.75	5.65	0.90	1.30	0.98	3.60	
9	0.48	2.20	0.63	0.78	0.88	48.60	5.80	4.15	0.88	1.25	0.88	1.15	
10	0.48	1.90	0.65	0.93	0.88	64.95	5.05	3.60	0.88	1.25	0.98	0.80	
11	0.48	3.00	0.63	1.25	0.80	44.60	5.95	3.20	0.88	1.25	0.98	0.65	
12	0.48	2.00	0.60	0.78	0.95	13.75	5.05	3.00	0.90	1.25	1.10	0.55	
13	1.10	1.55	0.58	1.00	0.93	7.45	9.90	2.70	0.88	1.25	1.15	0.48	
14	0.46	1.95	0.55	4.75	0.70	5.65	5.65	2.70	0.88	1.20	1.30	0.46	
15	1.05	1.30	0.50	4.45	2.70	6.40	28.40	2.20	0.88	1.25	1.95	0.42	
16	0.40	2.90	0.58	11.70	3.90	6.55	52.35	1.75	0.85	1.20	1.30	0.65	
17	0.28	4.30	0.50	2.50	2.30	4.90	32.60	1.75	0.88	1.20	1.10	2.40	
18	0.75	3.80	0.46	1.55	1.25	6.70	42.20	1.70	0.93	1.20	0.93	1.75	
19	2.10	5.50	0.42	1.25	0.98	4.90	22.10	1.60	0.90	1.15	0.60	1.30	
20	1.15	2.00	0.42	2.20	1.75	4.90	11.90	1.55	0.88	1.15	0.50	1.55	
21	0.65	3.30	0.40	1.00	0.85	12.50	26.60	1.45	0.90	1.15	0.58	0.98	
22	0.63	6.25	0.42	0.98	1.20	6.70	9.50	1.35	0.90	1.15	0.65	0.83	
23	0.68	2.70	0.38	0.95	1.75	9.30	9.50	1.25	0.90	1.10	0.58	0.80	
24	4.15	1.75	0.32	1.05	1.20	32.60	9.90	1.30	0.90	0.63	0.50	26.60	
25	11.90	0.95	0.34	6.40	1.60	24.50	5.35	1.25	0.90	0.58	0.46	3.90	
26	5.95	1.05	0.32	4.15	20.30	78.50	4.60	1.25	1.00	0.58	0.42	1.65	
27	8.50	0.93	0.28	4.45	15.75	41.00	3.90	1.20	1.00	0.55	0.40	1.15	
28	5.95	1.00	0.30	1.80	23.60	27.80	3.90	1.15	0.98	0.58	0.38	1.05	
29	11.30	0.90	0.30	1.40	30.50	13.50	6.70	1.10	1.00	0.53		0.98	
30	20.30	0.78	0.30	1.20	14.25	7.90	4.45	1.05	0.90	0.53		0.90	
31		0.70		1.10	14.00		23.00		0.88	0.85		0.95	
Total	83.02	90.61	14.54	62.41	150.69	608.75	389.85	121.60	28.57	30.45	24.82	58.07	1663.38 CMSDAY
Mean	2.77	2.92	0.48	2.01	4.86	20.29	12.58	4.05	0.92	0.98	0.89	1.87	4.56 CMS
Max	20.30	11.10	0.65	11.70	30.50	78.50	52.35	25.10	1.05	1.35	1.95	26.60	78.50 CMS
Min	0.28	0.70	0.28	0.26	0.70	3.20	3.90	1.05	0.85	0.53	0.38	0.32	0.26 CMS
Runoff	7.17	7.83	1.26	5.39	13.02	52.60	33.68	10.51	2.47	2.63	2.14	5.02	143.72 MCM
Momentary Peak	105.00	CMS, at 389.80 m. (MSL.) , at 18.00 Hours , on Sep 10, 2021											
Runoff Yield	13.48	Liters/Second/Square KM.		Momentary Peak Yield		310.65	Liters/Second/Square KM.						

WATER YEAR : 2021**MUN RIVER BASIN****Huai La - ong at Ban Na Phu, Amnart Charoen (M.155)**

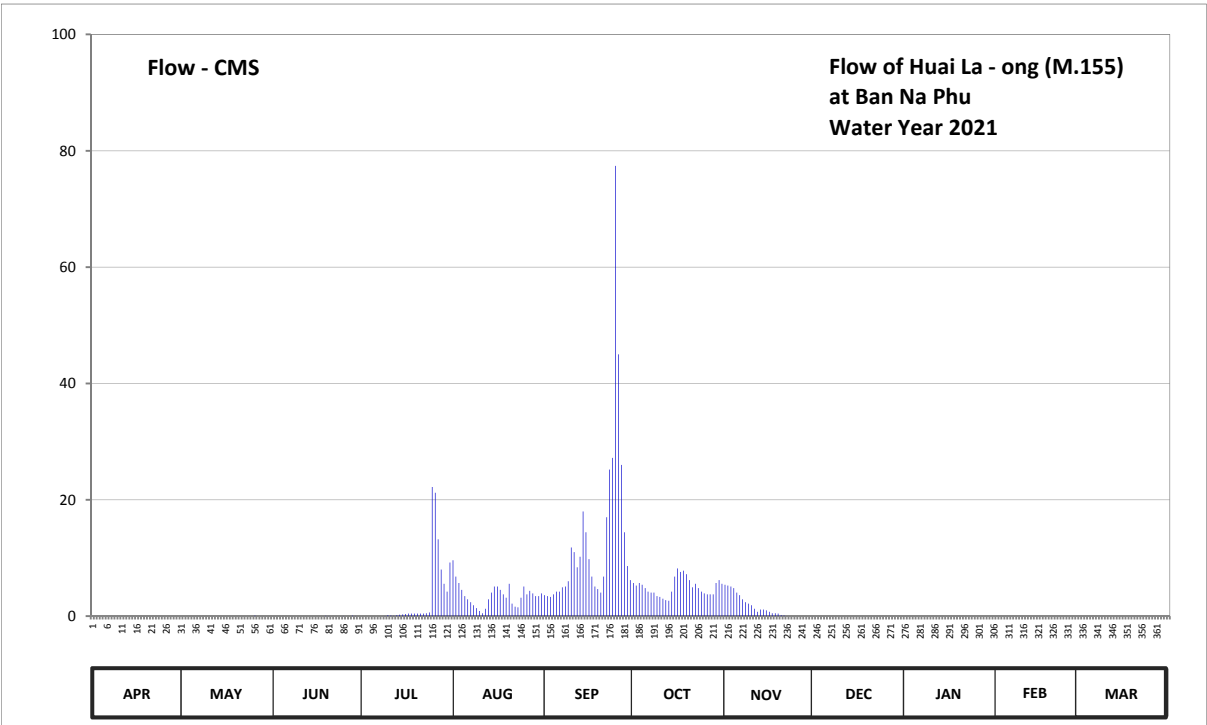
Lat 16 - 00 - 21 N Long 104 - 38 - 23 E

Location : on left bank at the bridge on road.

	Ban	Na Phu	Amphoe	Mueang	Changwat	Amnart Charoen
Drainage Area	218	sq.km.				
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 20 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	136.79	136.75	136.72	136.79	137.58	137.24	137.38	137.36	136.83	136.84	136.82	136.81	
2	136.79	136.74	136.71	136.79	137.44	137.23	137.35	137.35	136.83	136.84	136.82	136.81	
3	136.79	136.80	136.70	136.78	137.38	137.22	137.38	137.34	136.82	136.85	136.82	136.82	
4	136.79	136.79	136.70	136.78	137.30	137.25	137.36	137.32	136.82	136.85	136.82	136.82	
5	136.78	136.79	136.70	136.78	137.23	137.28	137.32	137.27	136.81	136.84	136.82	136.82	
6	136.77	136.78	136.72	136.78	137.19	137.28	137.28	137.24	136.80	136.84	136.82	136.82	
7	136.76	136.78	136.72	136.80	137.15	137.33	137.27	137.19	136.81	136.82	136.82	136.83	
8	136.75	136.77	136.72	136.80	137.11	137.34	137.27	137.15	136.85	136.82	136.81	136.83	
9	136.75	136.77	136.71	136.81	137.07	137.40	137.23	137.13	136.88	136.82	136.81	136.83	
10	136.75	136.76	136.73	136.86	137.03	137.69	137.22	137.11	136.90	136.82	136.81	136.83	
11	136.76	136.76	136.80	136.84	137.00	137.65	137.20	137.06	136.90	136.82	136.81	136.83	
12	136.77	136.75	136.80	136.82	137.06	137.52	137.18	137.02	136.90	136.82	136.81	136.83	
13	136.77	136.74	136.80	136.86	137.19	137.61	137.17	137.05	136.90	136.82	136.81	136.83	
14	136.77	136.73	136.79	136.90	137.27	138.00	137.28	137.05	136.89	136.82	136.81	136.82	
15	136.80	136.72	136.78	136.92	137.34	137.82	137.44	137.04	136.89	136.83	136.80	136.82	
16	136.79	136.74	136.80	136.94	137.34	137.59	137.51	137.02	136.88	136.84	136.80	136.81	
17	136.80	136.76	136.80	136.98	137.30	137.44	137.48	137.00	136.87	136.84	136.80	136.80	
18	136.80	136.77	136.80	136.97	137.25	137.34	137.49	137.00	136.87	136.84	136.79	136.79	
19	136.80	136.77	136.82	136.97	137.21	137.31	137.46	136.97	136.86	136.84	136.79	136.79	
20	136.78	136.77	136.81	136.97	137.37	137.27	137.41	136.86	136.85	136.84	136.79	136.79	
21	136.77	136.75	136.80	136.97	137.13	137.44	137.33	136.84	136.85	136.84	136.83	136.79	
22	136.76	136.73	136.80	136.97	137.09	137.95	137.37	136.83	136.84	136.85	136.82	136.79	
23	136.76	136.71	136.79	136.99	137.08	138.36	137.32	136.84	136.83	136.85	136.81	136.79	
24	136.75	136.71	136.79	137.01	137.21	138.46	137.28	136.84	136.83	136.84	136.78	136.80	
25	136.75	136.78	136.81	138.21	137.34	140.97	137.26	136.84	136.85	136.84	136.75	136.80	
26	136.75	136.83	136.80	138.16	137.25	139.35	137.25	136.84	136.87	136.83	136.74	136.80	
27	136.77	136.79	136.80	137.76	137.29	138.40	137.25	136.83	136.87	136.83	136.73	136.80	
28	136.77	136.77	136.83	137.50	137.26	137.82	137.25	136.83	136.87	136.83	136.72	136.80	
29	136.76	136.76	136.81	137.37	137.23	137.53	137.38	136.83	136.86	136.82		136.80	
30	136.76	136.75	136.80	137.28	137.23	137.41	137.41	136.83	136.86	136.82		136.80	
31		136.74		137.56	137.26		137.37		136.85	136.82		136.80	
Mean	136.77	136.76	136.77	137.06	137.23	137.75	137.33	137.03	136.86	136.83	136.80	136.81	
Max	136.80	136.83	136.83	138.21	137.58	140.97	137.51	137.36	136.90	136.85	136.83	136.83	140.97
Min	136.75	136.71	136.70	136.78	137.00	137.22	137.17	136.83	136.80	136.82	136.72	136.79	136.70
Annual Max Momentary Gage Height	141.06		m. (MSL.) ,			at 17.00 Hours, on Sep 25, 2021							
Zero Gage at Bottom Elevation	136.20		m. (MSL.) ,			River Bed	136.07	m. (MSL)					
Left Bank Elevation	144.59		m. (MSL.) ,										
Right Bank Elevation	144.61		m. (MSL.) ,			Drainage Are	218	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	9.60	3.60	5.70	5.40	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	6.80	3.45	5.25	5.25	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	5.70	3.30	5.70	5.10	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	4.50	3.75	5.40	4.80	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	3.45	4.20	4.80	4.05	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	2.88	4.20	4.20	3.60	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	2.38	4.95	4.05	2.88	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	1.88	5.10	4.05	2.38	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.03	1.38	6.00	3.45	2.13	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.15	0.88	11.80	3.30	1.88	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.10	0.50	11.00	3.00	1.25	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.05	1.25	8.40	2.75	0.75	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.15	2.88	10.20	2.63	1.13	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.25	4.05	18.00	4.20	1.13	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.30	5.10	14.40	6.80	1.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.35	5.10	9.80	8.20	0.75	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.45	4.50	6.80	7.60	0.50	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.43	3.75	5.10	7.80	0.50	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.05	0.43	3.15	4.65	7.20	0.43	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.03	0.43	5.55	4.05	6.20	0.15	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.43	2.13	6.80	4.95	0.10	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.43	1.63	17.00	5.55	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.48	1.50	25.20	4.80	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.63	3.15	27.20	4.20	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.03	22.20	5.10	77.40	3.90	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.08	0.00	21.20	3.75	45.00	3.75	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	13.20	4.35	26.00	3.75	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.08	8.00	3.90	14.40	3.75	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.03	5.55	3.45	8.60	5.70	0.00	0.00	0.00		0.00	
30	0.00	0.00	0.00	4.20	3.45	6.20	6.20	0.00	0.00	0.00		0.00	
31		0.00		9.20	3.90		5.55		0.00	0.00		0.00	
Total	0.00	0.08	0.22	88.64	111.59	396.55	154.38	45.16	0.00	0.00	0.00	0.00	796.62 CMSDAY
Mean	0.00	0.00	0.01	2.86	3.60	13.22	4.98	1.51	0.00	0.00	0.00	0.00	2.18 CMS
Max	0.00	0.08	0.08	22.20	9.60	77.40	8.20	5.40	0.00	0.00	0.00	0.00	77.40 CMS
Min	0.00	0.00	0.00	0.00	0.50	3.30	2.63	0.00	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	0.01	0.02	7.66	9.64	34.26	13.34	3.90	0.00	0.00	0.00	0.00	68.83 MCM
Momentary Peak	79.20	CMS, at 141.06 m. (MSL), at 17.00 Hours, on Sep 25, 2021											
Runoff Yield	10.01	Liters/Second/Square KM.		Momentary Peak Yield		363.30	Liters/Second/Square KM.						

WATER YEAR : 2021

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	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 13 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	139.74	139.74	139.74	139.80	140.50	140.43	140.50	140.49	140.36	140.36	140.31	140.30	
2	139.74	139.74	139.74	139.80	140.46	140.42	140.50	140.49	140.36	140.36	140.31	140.29	
3	139.74	139.74	139.74	139.80	140.42	140.42	140.63	140.48	140.36	140.36	140.30	140.28	
4	139.74	139.74	139.74	139.88	140.40	140.49	140.62	140.48	140.36	140.36	140.30	140.27	
5	139.74	139.74	139.74	139.96	140.40	140.53	140.58	140.47	140.36	140.36	140.29	140.25	
6	139.74	139.74	139.74	140.02	140.40	140.52	140.55	140.47	140.36	140.37	140.28	140.23	
7	139.74	139.74	139.74	140.02	140.40	140.52	140.53	140.46	140.38	140.38	140.27	140.21	
8	139.74	139.74	139.74	139.97	140.40	140.52	140.51	140.46	140.38	140.38	140.26	140.19	
9	139.74	139.74	139.74	139.92	140.40	140.54	140.48	140.46	140.39	140.37	140.24	140.17	
10	139.74	139.74	139.82	140.00	140.40	140.68	140.49	140.45	140.39	140.37	140.24	140.15	
11	139.74	139.74	140.06	140.00	140.40	140.65	140.48	140.44	140.39	140.37	140.23	140.13	
12	139.74	139.74	140.15	140.00	140.42	140.61	140.47	140.43	140.38	140.37	140.23	140.11	
13	139.74	139.74	140.30	140.12	140.43	140.94	140.46	140.42	140.38	140.37	140.22	140.09	
14	139.74	139.74	140.29	140.31	140.44	140.96	140.56	140.41	140.37	140.36	140.21	140.07	
15	139.74	139.74	140.27	140.41	140.46	140.72	140.65	140.40	140.37	140.36	140.20	140.05	
16	139.74	139.74	140.35	140.39	140.44	140.60	140.64	140.39	140.37	140.36	140.19	140.03	
17	139.74	139.74	140.34	140.38	140.43	140.54	140.61	140.38	140.37	140.35	140.18	140.01	
18	139.74	139.74	140.30	140.38	140.43	140.53	140.60	140.38	140.37	140.35	140.17	140.02	
19	139.74	139.74	140.30	140.38	140.42	140.52	140.58	140.37	140.37	140.35	140.16	140.37	
20	139.74	139.74	140.29	140.37	140.42	140.51	140.54	140.37	140.37	140.34	140.18	140.36	
21	139.74	139.74	140.27	140.36	140.42	140.76	140.50	140.37	140.37	140.34	140.38	140.36	
22	139.74	139.74	140.25	140.36	140.42	141.36	140.56	140.37	140.37	140.33	140.37	140.36	
23	139.74	139.74	140.23	140.37	140.42	141.18	140.52	140.37	140.37	140.33	140.36	140.36	
24	139.74	139.74	140.17	140.40	140.42	141.17	140.50	140.37	140.37	140.33	140.35	140.36	
25	139.74	139.74	140.10	140.48	140.42	142.70	140.50	140.37	140.37	140.32	140.34	140.37	
26	139.74	139.74	140.05	140.59	140.41	141.32	140.49	140.37	140.37	140.32	140.33	140.37	
27	139.74	139.74	139.99	140.52	140.43	140.98	140.49	140.37	140.37	140.32	140.32	140.37	
28	139.74	139.74	139.95	140.45	140.43	140.72	140.51	140.36	140.36	140.32	140.31	140.37	
29	139.74	139.74	139.88	140.42	140.42	140.59	140.60	140.36	140.36	140.31		140.37	
30	139.74	139.74	139.82	140.40	140.43	140.50	140.57	140.36	140.36	140.31		140.37	
31		139.74		140.50	140.45		140.50		140.36	140.31		140.37	
Mean	139.74	139.74	140.03	140.22	140.42	140.76	140.54	140.41	140.37	140.35	140.27	140.25	
Max	139.74	139.74	140.35	140.59	140.50	142.70	140.65	140.49	140.39	140.38	140.38	140.37	142.70
Min	139.74	139.74	139.74	139.80	140.40	140.42	140.46	140.36	140.36	140.31	140.16	140.01	139.74
Annual Max Momentary Gage Height	142.90	m. (MSL.) ,		at 12.00 Hours, on Sep 25, 2021									
Zero Gage at Bottom Elevation	139.10	m. (MSL.) ,		River Bed		139.74	m. (MSL)						
Left Bank Elevation	144.66	m. (MSL.) ,											
Right Bank Elevation	144.68	m. (MSL.) ,		Drainage Are		45	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	0.50	0.43	0.50	0.00	0.00	0.00	0.00	0.00		
2	0.00	0.00	0.00	0.00	0.46	0.42	0.50	0.00	0.00	0.00	0.00	0.00		
3	0.00	0.00	0.00	0.00	0.42	0.42	1.05	0.00	0.00	0.00	0.00	0.00		
4	0.00	0.00	0.00	0.00	0.40	0.49	1.00	0.00	0.00	0.00	0.00	0.00		
5	0.00	0.00	0.00	0.00	0.40	0.62	0.82	0.00	0.00	0.00	0.00	0.00		
6	0.00	0.00	0.00	0.02	0.40	0.58	0.70	0.00	0.00	0.00	0.00	0.00		
7	0.00	0.00	0.00	0.02	0.40	0.58	0.62	0.00	0.00	0.00	0.00	0.00		
8	0.00	0.00	0.00	0.00	0.40	0.58	0.54	0.00	0.00	0.00	0.00	0.00		
9	0.00	0.00	0.00	0.00	0.40	0.66	0.48	0.00	0.00	0.00	0.00	0.00		
10	0.00	0.00	0.00	0.00	0.40	1.30	0.49	0.00	0.00	0.00	0.00	0.00		
11	0.00	0.00	0.06	0.00	0.40	1.15	0.48	0.00	0.00	0.00	0.00	0.00		
12	0.00	0.00	0.15	0.00	0.42	0.95	0.47	0.00	0.00	0.00	0.00	0.00		
13	0.00	0.00	0.30	0.12	0.43	3.32	0.46	0.00	0.00	0.00	0.00	0.00		
14	0.00	0.00	0.29	0.31	0.44	3.48	0.74	0.00	0.00	0.00	0.00	0.00		
15	0.00	0.00	0.27	0.41	0.46	1.56	1.15	0.00	0.00	0.00	0.00	0.00		
16	0.00	0.00	0.35	0.39	0.44	0.90	1.10	0.00	0.00	0.00	0.00	0.00		
17	0.00	0.00	0.34	0.38	0.43	0.66	0.95	0.00	0.00	0.00	0.00	0.00		
18	0.00	0.00	0.30	0.38	0.43	0.62	0.90	0.00	0.00	0.00	0.00	0.00		
19	0.00	0.00	0.30	0.38	0.42	0.58	0.82	0.00	0.00	0.00	0.00	0.00		
20	0.00	0.00	0.29	0.37	0.42	0.54	0.66	0.00	0.00	0.00	0.00	0.00		
21	0.00	0.00	0.27	0.36	0.42	1.88	0.50	0.00	0.00	0.00	0.00	0.00		
22	0.00	0.00	0.25	0.36	0.42	7.46	0.74	0.00	0.00	0.00	0.00	0.00		
23	0.00	0.00	0.23	0.37	0.42	5.48	0.58	0.00	0.00	0.00	0.00	0.00		
24	0.00	0.00	0.17	0.40	0.42	5.37	0.50	0.00	0.00	0.00	0.00	0.00		
25	0.00	0.00	0.10	0.48	0.42	27.00	0.50	0.00	0.00	0.00	0.00	0.00		
26	0.00	0.00	0.05	0.86	0.41	7.02	0.49	0.00	0.00	0.00	0.00	0.00		
27	0.00	0.00	0.00	0.58	0.43	3.64	0.49	0.00	0.00	0.00	0.00	0.00		
28	0.00	0.00	0.00	0.45	0.43	1.56	0.54	0.00	0.00	0.00	0.00	0.00		
29	0.00	0.00	0.00	0.42	0.42	0.86	0.90	0.00	0.00	0.00	0.00	0.00		
30	0.00	0.00	0.00	0.40	0.43	0.50	0.78	0.00	0.00	0.00	0.00	0.00		
31		0.00		0.50	0.45		0.00		0.00	0.00		0.00		
Total	0.00	0.00	3.72	7.96	13.14	80.61	20.45	0.00	0.00	0.00				

WATER YEAR : 2021

MUN RIVER BASIN

Huai Lam Phong at Ban Nikhom, Yasothon (M.157)

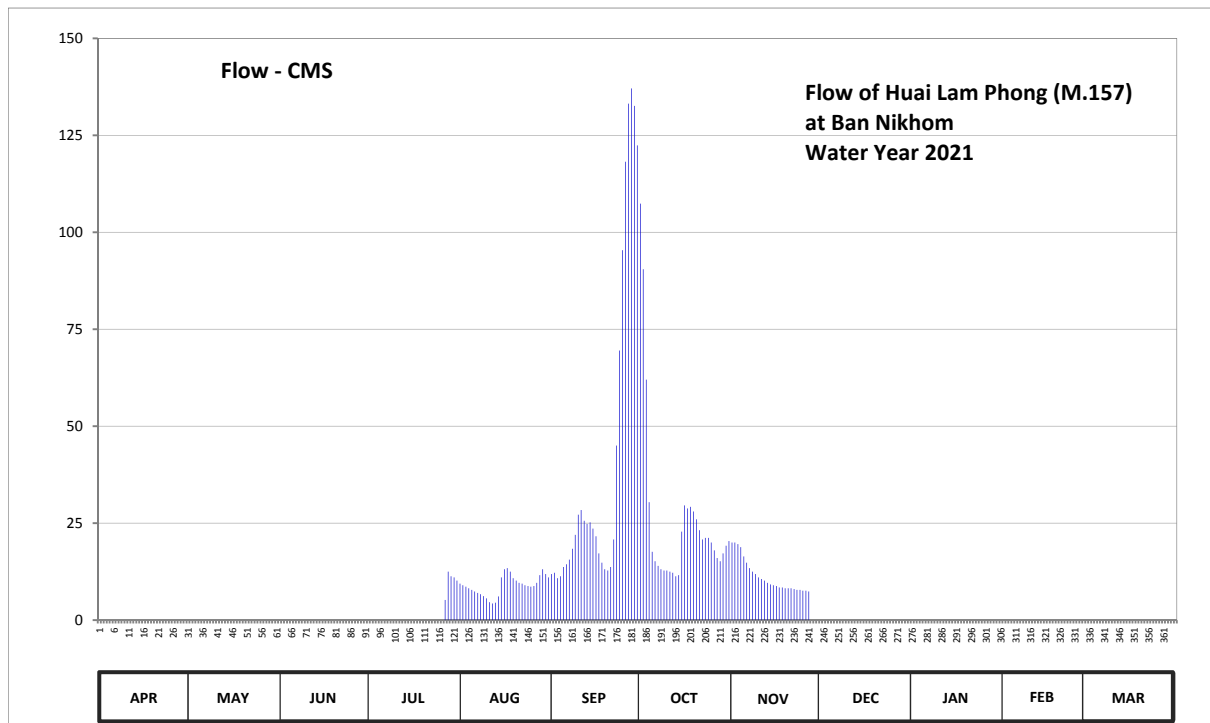
Lat 15 - 48 - 23 N Long 104 - 19 - 41 E

Location : on right bank at the bridge of Arun Prasoet road.

	Ban Nikhom	Amphoe Pa Tio	Changwat Yasothon
Drainage Area	731 sq.km.		
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	Stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 19 discharge measurements made in 2021.		

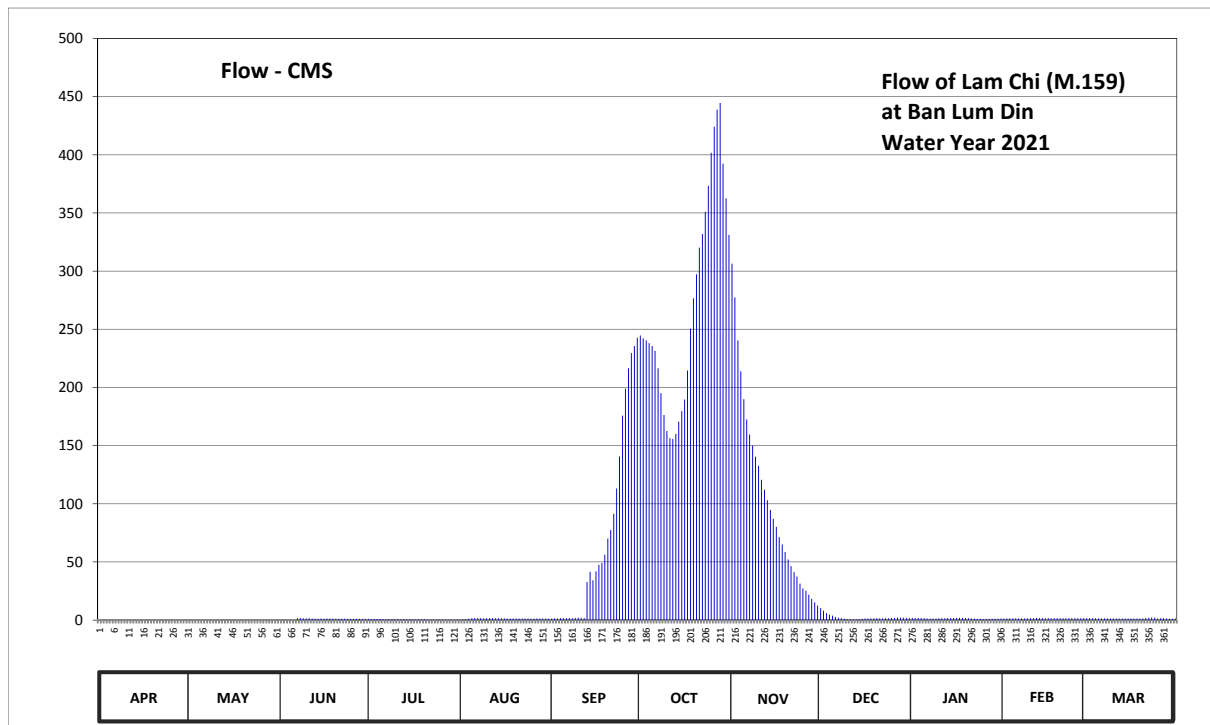
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	123.10	123.02	122.97	122.90	125.52	125.63	127.64	125.85	125.41	125.48	125.21	125.31	
2	123.09	123.06	122.98	122.89	125.50	125.64	127.35	125.85	125.41	125.48	125.30	125.27	
3	123.08	123.06	122.96	122.88	125.48	125.59	126.78	125.84	125.40	125.38	125.43	125.23	
4	123.07	123.05	122.95	122.86	125.46	125.61	126.11	125.82	125.40	125.37	125.47	125.19	
5	123.06	123.05	122.95	122.83	125.44	125.69	125.79	125.76	125.40	125.36	125.48	125.16	
6	123.05	123.04	122.95	122.82	125.42	125.71	125.73	125.72	125.40	125.35	125.46	125.13	
7	123.04	123.04	122.96	122.82	125.40	125.74	125.70	125.68	125.40	125.35	125.47	125.11	
8	123.03	123.03	122.96	122.80	125.37	125.81	125.67	125.65	125.40	125.35	125.47	125.10	
9	123.02	123.03	122.96	122.77	125.32	125.90	125.66	125.63	125.39	125.35	125.46	125.10	
10	123.01	123.02	122.97	122.74	125.26	126.03	125.66	125.60	125.39	125.34	125.45	125.07	
11	123.00	123.02	122.98	122.70	125.16	126.06	125.65	125.58	125.39	125.33	125.45	125.02	
12	123.00	123.01	122.99	122.69	125.13	125.99	125.64	125.56	125.39	125.30	125.47	125.00	
13	122.99	123.00	123.00	122.67	125.15	125.97	125.61	125.53	125.39	125.27	125.49	124.99	
14	122.99	123.00	123.00	122.67	125.31	125.98	125.62	125.51	125.39	125.26	125.47	124.97	
15	122.99	122.99	123.00	122.66	125.60	125.94	125.92	125.50	125.40	125.25	125.48	124.95	
16	122.99	122.99	123.00	122.64	125.67	125.89	126.09	125.49	125.41	125.25	125.48	124.93	
17	122.99	123.00	123.00	122.60	125.68	125.78	126.07	125.47	125.42	125.24	125.47	124.91	
18	122.99	123.00	122.99	122.60	125.65	125.72	126.08	125.47	125.42	125.24	125.47	124.90	
19	122.99	123.00	122.99	122.61	125.59	125.67	126.05	125.46	125.41	125.23	125.46	124.92	
20	123.00	122.99	122.98	122.62	125.56	125.66	126.00	125.46	125.41	125.22	125.46	124.92	
21	123.00	122.98	122.96	122.62	125.53	125.69	125.93	125.46	125.40	125.18	125.46	124.91	
22	123.00	122.97	122.92	122.61	125.52	125.87	125.87	125.45	125.40	125.15	125.45	124.91	
23	123.00	122.95	122.90	122.62	125.50	126.44	125.88	125.44	125.40	125.14	125.44	124.91	
24	123.00	122.95	122.90	122.67	125.49	126.93	125.88	125.44	125.40	125.14	125.43	124.91	
25	123.00	122.95	122.93	122.80	125.48	127.44	125.85	125.43	125.40	125.12	125.40	124.92	
26	123.00	122.96	122.93	123.04	125.49	127.82	125.80	125.43	125.40	125.11	125.38	124.94	
27	123.00	122.96	122.92	125.22	125.53	128.07	125.75	125.42	125.40	125.09	125.37	125.06	
28	123.00	122.96	122.92	125.65	125.62	128.13	125.73	125.42	125.40	125.08	125.36	125.21	
29	123.00	122.96	122.91	125.61	125.67	128.06	125.78	125.42	125.39	125.08		125.35	
30	123.00	122.96	122.90	125.60	125.63	127.89	125.83	125.42	125.39	125.08		125.42	
31		122.96		125.56	125.60		125.86		125.39	125.16		125.43	
Mean	123.02	123.00	122.96	123.19	125.48	126.28	125.97	125.56	125.40	125.25	125.44	125.07	
Max	123.10	123.06	123.00	125.65	125.68	128.13	127.64	125.85	125.42	125.48	125.49	125.43	128.13
Min	122.99	122.95	122.90	122.60	125.13	125.59	125.61	125.42	125.39	125.08	125.21	124.90	122.60
Annual Max Momentary Gage Height	128.14		m. (MSL.) ,			at 09.00 Hours, on Sep 28, 2021							
Zero Gage at Bottom Elevation	121.50		m. (MSL.) ,			River Bed 122.75		m. (MSL)					
Left Bank Elevation		131.57		m. (MSL.) ,									
Right Bank Elevation		131.65		m. (MSL.) ,		Drainage Are 731		Square Kilometers					



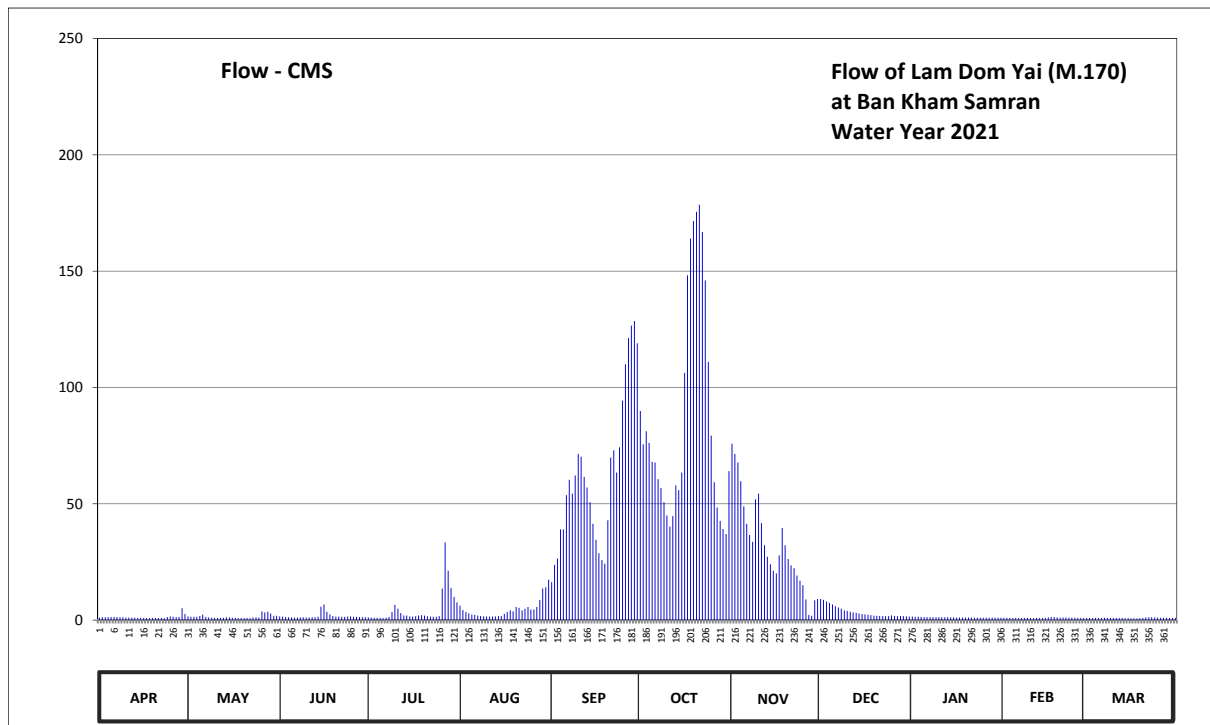
Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	9.40	11.90	107.40	20.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	9.00	12.20	90.50	20.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	8.60	10.80	62.00	19.60	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	8.20	11.30	30.40	18.80	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	7.80	13.70	17.60	16.40	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	7.40	14.40	15.20	14.80	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	7.00	15.60	14.00	13.40	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	6.70	18.40	13.10	12.50	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	6.20	22.00	12.80	11.90	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	5.60	27.20	12.80	11.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	4.60	28.40	12.50	10.60	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	4.30	25.60	12.20	10.20	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	4.50	24.80	11.30	9.60	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	6.10	25.20	11.60	9.20	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	11.00	23.60	22.80	9.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	13.10	21.60	29.60	8.80	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	13.40	17.20	28.80	8.40	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	12.50	14.80	29.20	8.40	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	10.80	13.10	28.00	8.20	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	10.20	12.80	26.00	8.20	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	9.60	13.70	23.20	8.20	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	9.40	20.80	20.80	8.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	9.00	45.00	21.20	7.80	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	8.80	69.50	21.20	7.80	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	8.60	95.40	20.00	7.60	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	8.80	118.20	18.00	7.60	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	5.20	9.60	133.20	16.00	7.40	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	12.50	11.60	137.10	15.20	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	11.30	13.10	132.60	17.20	0.00	0.00	0.00		0.00	
30	0.00	0.00	0.00	11.00	11.90	122.40	19.20	0.00	0.00	0.00		0.00	
31		0.00		10.20	11.00		20.40		0.00	0.00		0.00	
Total	0.00	0.00	0.00	50.20	277.80	1252.50	800.20	303.40	0.00	0.00	0.00	0.00	2684.10 CMSDAY
Mean	0.00	0.00	0.00	1.62	8.96	41.75	25.81	10.11	0.00	0.00	0.00	0.00	7.35 CMS
Max	0.00	0.00	0.00	12.50	13.40	137.10	107.40	20.00	0.00	0.00	0.00	0.00	137.10 CMS
Min	0.00	0.00	0.00	0.00	4.30	10.80	11.30	0.00	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	0.00	0.00	4.34	24.00	108.22	69.14	26.21	0.00	0.00	0.00	0.00	231.91 MCM
Momentary Peak	137.80	CMS, at 128.14 m. (MSL), at 09.00 Hours, on Sep 28, 2021											
Runoff Yield	10.06	Liters/Second/Square KM.		Momentary Peak Yield		188.51	Liters/Second/Square KM.						



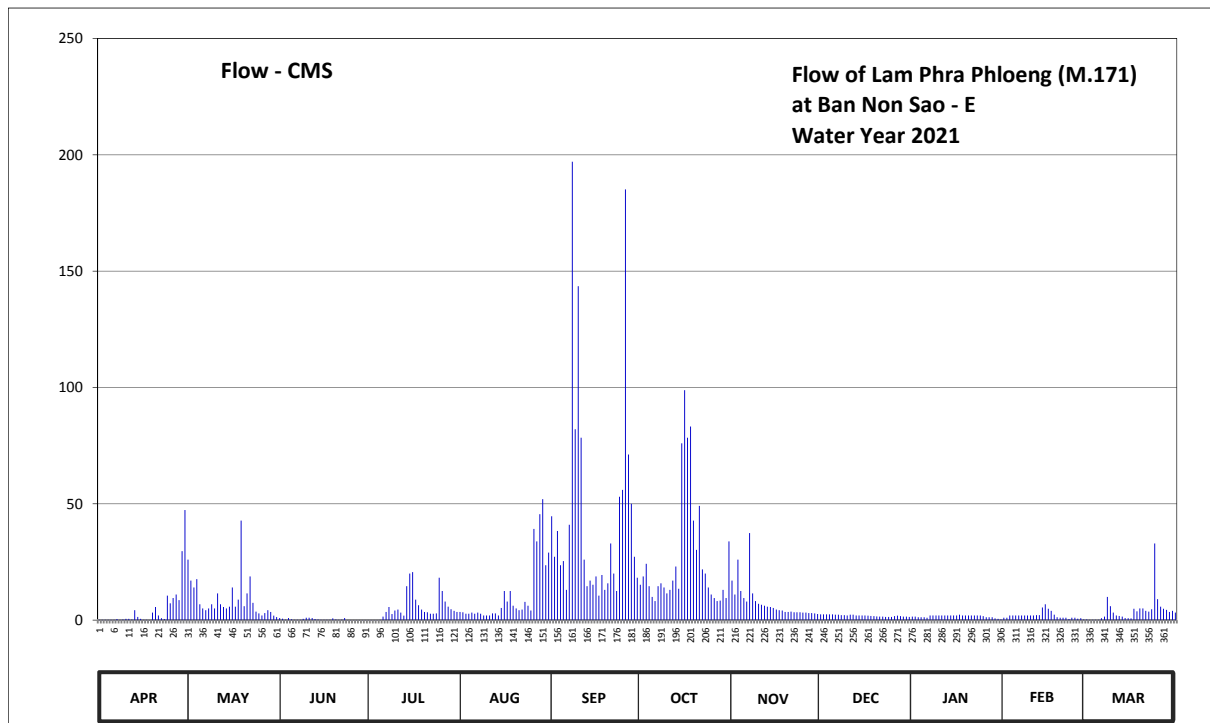
Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.00	1.04	0.37	1.38	244.60	306.40	10.34	1.92	1.38	1.60		
2	0.00	0.00	0.00	1.00	0.59	1.44	242.20	277.40	8.08	1.90	1.42	1.58		
3	0.00	0.00	0.00	0.97	0.79	1.56	240.40	240.45	6.00	1.86	1.46	1.58		
4	0.00	0.00	0.00	0.93	1.20	1.64	238.00	213.80	4.70	1.78	1.48	1.56		
5	0.00	0.00	0.00	0.90	1.70	1.58	235.60	189.90	3.79	1.58	1.48	1.56		
6	0.00	0.00	0.00	0.87	1.84	1.70	231.40	172.40	2.74	1.44	1.50	1.54		
7	0.00	0.00	1.66	0.86	1.82	1.72	216.40	159.50	2.00	1.36	1.52	1.52		
8	0.00	0.00	1.80	0.83	1.58	1.68	195.00	150.10	1.60	1.32	1.52	1.46		
9	0.00	0.00	1.64	0.82	1.54	1.94	176.28	140.40	1.26	1.40	1.54	1.36		
10	0.00	0.00	1.56	0.78	1.58	2.00	162.50	132.60	0.89	1.50	1.62	1.38		
11	0.00	0.00	1.58	0.75	1.58	1.86	156.33	120.60	0.67	1.60	1.68	1.40		
12	0.00	0.00	1.32	0.70	1.60	1.74	155.85	112.05	0.73	1.66	1.72	1.40		
13	0.00	0.00	1.24	0.68	1.64	32.75	160.13	103.00	0.70	1.72	1.76	1.42		
14	0.00	0.00	1.28	0.69	1.66	41.50	170.58	94.65	0.78	1.78	1.72	1.40		
15	0.00	0.00	1.30	0.67	1.58	34.25	179.60	87.00	1.10	1.84	1.70	1.36		
16	0.00	0.00	1.26	0.63	1.48	42.00	189.58	80.20	1.34	1.90	1.68	1.36		
17	0.00	0.00	1.40	0.60	1.36	47.50	214.60	71.40	1.42	1.90	1.68	1.32		
18	0.00	0.00	1.42	0.62	1.30	49.10	250.60	65.00	1.48	1.88	1.68	1.32		
19	0.00	0.00	1.36	0.71	1.38	56.30	276.60	58.64	1.56	1.80	1.68	1.30		
20	0.00	0.00	1.28	0.62	1.42	70.10	297.25	52.16	1.58	1.70	1.70	1.42		
21	0.00	0.00	1.20	0.46	1.40	77.45	320.10	46.36	1.50	1.52	1.68	1.80		
22	0.00	0.00	1.18	0.40	1.40	91.30	331.90	41.30	1.50	1.28	1.70	2.12		
23	0.00	0.00	1.16	0.38	1.34	113.20	351.00	37.40	1.68	1.10	1.70	2.33		
24	0.00	0.00	1.12	0.36	1.30	140.65	373.30	31.30	1.68	1.04	1.68	2.18		
25	0.00	0.00	1.12	0.37	1.26	175.80	401.70	27.16	1.78	1.00	1.66	1.38		
26	0.00	0.00	1.10	0.38	1.26	199.00	424.20	25.24	1.96	0.99	1.64	1.62		
27	0.00	0.00	1.08	0.37	1.30	216.40	438.80	21.82	2.27	1.08	1.60	1.62		
28	0.00	0.00	1.08	0.34	1.36	229.60	444.50	18.30	2.06	1.16	1.60	1.40		
29	0.00	0.00	1.04	0.25	1.36	235.60	392.40	15.32	2.00	1.22		1.16		
30	0.00	0.00	1.06	0.26	1.32	242.80	362.50	12.49	1.98	1.28		1.16		
31		0.00		0.30	1.28		331.10		1.96	1.32		1.34		
Total	0.00	0.00	31.24	19.54	42.59	2115.54	8405.00	3104.34	73.13	46.83	45.18	46.95	13930.34	CMSDAY
Mean	0.00	0.00	1.04	0.63	1.37	70.52	271.13	103.48	2.36	1.51	1.61	1.51	38.17	CMS
Max	0.00	0.00	1.80	1.04	1.84	242.80	444.50	306.40	10.34	1.92	1.76	2.33	444.50	CMS
Min	0.00	0.00	0.00	0.25	0.37	1.38	155.85	12.49	0.67	0.99	1.38	1.16	0.00	CMS
Runoff	0.00	0.00	2.70	1.69	3.68	182.78	726.19	268.21	6.32	4.05	3.90	4.06	1203.58	MCM
Momentary Peak	446.40	CMS.	at 130.86 m. (MSL.) at 04.00 Hours , on Oct 28, 2021											
Runoff Yield	8.01	Liters/Second/Square KM.				Momentary Peak Yield				93.68	Liters/Second/Square KM.			



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

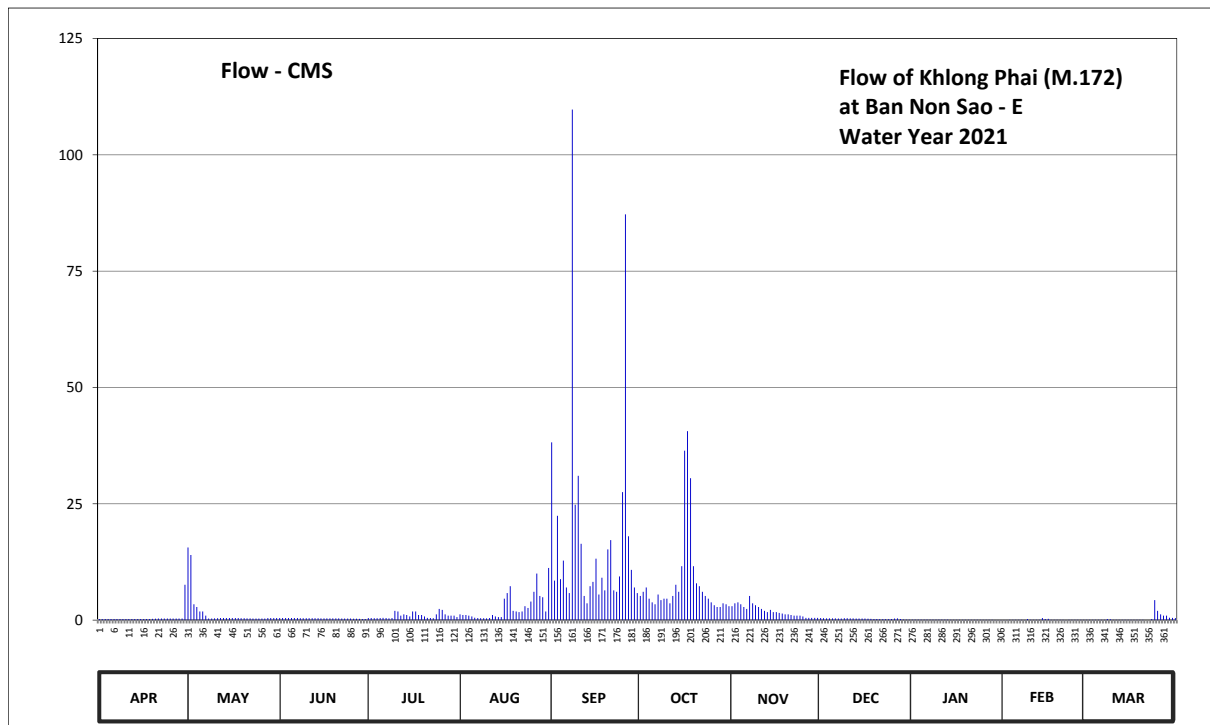
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.12	1.60	1.60	1.16	6.16	16.32	89.90	75.86	9.04	1.48	1.00	0.90	
2	1.22	1.44	1.46	1.08	4.36	23.75	75.54	71.44	8.68	1.44	0.98	0.92	
3	1.26	1.44	1.32	1.02	3.50	26.50	81.12	67.72	7.96	1.42	0.98	0.92	
4	1.30	1.46	1.20	0.96	2.90	39.00	76.18	59.70	7.42	1.36	0.94	0.92	
5	1.34	1.76	1.16	0.94	2.40	39.00	68.03	48.90	6.70	1.32	0.90	0.94	
6	1.34	2.30	1.10	0.92	2.20	53.70	67.72	41.40	5.98	1.28	0.88	0.92	
7	1.30	1.36	1.10	1.00	1.92	60.30	60.60	36.60	5.44	1.26	0.86	0.96	
8	1.22	1.16	1.18	1.40	1.80	54.30	56.70	33.61	4.90	1.22	0.86	0.98	
9	1.22	1.06	1.22	3.50	1.64	62.14	50.70	51.90	4.18	1.20	0.86	0.94	
10	1.12	0.98	1.12	6.52	1.54	71.44	45.00	54.30	4.00	1.20	0.86	0.90	
11	1.08	0.94	1.12	4.90	1.52	70.20	40.20	41.70	3.60	1.20	0.84	0.88	
12	1.04	0.90	1.20	3.00	1.50	61.52	44.70	32.16	3.30	1.20	0.86	0.86	
13	1.00	0.94	1.24	2.00	1.60	57.00	57.90	27.25	3.10	1.20	0.90	0.86	
14	0.96	1.22	1.42	1.92	1.72	50.70	55.80	24.00	2.80	1.18	0.92	0.84	
15	0.94	1.14	5.80	1.58	1.72	41.40	63.38	21.25	2.60	1.16	0.94	0.82	
16	0.92	1.02	6.70	1.52	2.70	34.50	106.22	20.08	2.50	1.12	1.18	0.78	
17	0.88	0.94	3.60	1.64	3.50	28.75	148.20	27.75	2.30	1.08	1.40	0.76	
18	0.88	0.88	2.50	1.96	4.18	25.75	164.00	39.60	2.10	1.08	1.28	0.76	
19	0.88	0.90	1.68	2.10	3.80	24.25	171.50	32.16	1.92	1.08	1.14	0.82	
20	0.92	0.86	1.54	1.92	5.62	42.90	175.50	26.25	1.84	1.10	1.04	0.90	
21	0.88	0.86	1.52	1.64	5.26	69.89	178.50	23.50	1.80	1.08	1.10	1.18	
22	0.86	0.84	1.44	1.52	4.18	72.99	166.80	22.25	1.72	1.06	1.16	1.26	
23	0.92	1.16	1.38	1.42	4.90	63.38	146.00	19.16	1.68	1.04	1.06	1.24	
24	1.28	1.20	1.52	1.44	5.62	74.26	111.00	16.90	1.72	1.04	1.02	1.16	
25	1.58	1.12	1.56	1.68	4.54	94.32	79.30	14.99	1.96	1.06	1.00	1.10	
26	1.42	3.70	1.44	13.54	4.54	109.96	59.25	8.86	1.76	1.02	0.98	1.06	
27	1.28	3.30	1.36	33.32	5.62	121.20	48.39	2.20	1.68	1.02	0.94	0.96	
28	1.40	3.60	1.28	21.25	8.68	126.56	42.61	1.84	1.76	1.02	0.90	1.00	
29	5.08	2.80	1.24	13.72	13.54	128.51	39.15	8.50	1.72	1.02		0.90	
30	2.60	1.88	1.20	9.94	14.08	118.98	37.00	9.04	1.58	1.00		0.88	
31		1.84		7.60	17.30		64.00		1.54	1.00		0.96	
Total	39.24	46.60	53.20	148.11	144.54	1863.47	2670.89	960.87	109.28	35.94	27.78	29.28	6129.20 CMSDAY
Mean	1.31	1.50	1.77	4.78	4.66	62.12	86.16	32.03	3.53	1.16	0.99	0.94	16.79 CMS
Max	5.08	3.70	6.70	33.32	17.30	128.51	178.50	75.86	9.04	1.48	1.40	1.26	178.50 CMS
Min	0.86	0.84	1.10	0.92	1.50	16.32	37.00	1.84	1.54	1.00	0.84	0.76	0.76 CMS
Runoff	3.39	4.03	4.60	12.80	12.49	161.00	230.76	83.02	9.44	3.11	2.40	2.53	529.56 MCM
Momentary Peak	179.50 CMS. at 129.79 m. (MSL.) at 12.00 Hours , on Oct 21, 2021												
Runoff Yield	9.63	Liters/Second/Square KM.			Momentary Peak Yield			102.92 Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.10	26.00	0.91	0.04	3.50	44.60	15.20	17.00	2.45	1.50	1.00	0.28	
2	0.10	17.00	0.64	0.03	3.35	27.20	18.80	11.00	2.45	1.50	1.00	0.10	
3	0.10	14.00	0.19	0.03	2.75	38.30	24.20	26.00	2.45	1.20	2.00	0.10	
4	0.10	17.60	0.91	0.03	2.75	23.60	14.60	12.50	2.45	1.20	2.00	0.10	
5	0.10	6.80	0.37	0.10	3.20	25.40	10.00	9.50	2.45	1.20	2.00	0.10	
6	0.10	5.00	0.10	1.50	2.75	13.00	8.20	8.00	2.30	1.00	2.00	0.82	
7	0.46	4.25	0.10	3.50	3.20	41.00	14.60	37.40	2.30	2.00	2.00	1.50	
8	0.10	5.00	0.10	5.60	2.75	197.00	15.80	11.50	2.15	2.00	2.00	10.00	
9	0.28	6.80	0.55	2.60	2.00	82.00	14.00	8.20	2.15	2.00	2.00	6.00	
10	0.55	5.00	1.00	4.10	2.00	143.50	11.50	7.00	2.00	2.00	2.00	3.20	
11	0.55	11.50	1.00	4.55	2.00	78.40	13.00	6.60	2.30	2.00	2.00	2.00	
12	0.28	6.80	0.91	3.20	2.90	26.00	17.00	6.20	2.30	2.00	2.15	1.80	
13	4.25	5.60	0.46	1.90	2.90	14.60	23.00	5.80	2.00	2.00	2.15	1.50	
14	1.40	5.00	0.28	14.60	2.00	17.00	13.50	5.60	2.00	2.00	5.40	0.91	
15	0.55	5.80	0.10	20.00	5.20	15.20	76.00	5.20	2.00	2.00	6.80	0.82	
16	0.10	14.00	0.10	20.60	12.50	18.80	98.80	4.55	2.00	2.00	4.85	0.73	
17	0.10	5.80	0.10	8.80	8.00	10.50	78.40	4.25	1.90	2.30	3.95	4.85	
18	0.07	8.80	0.10	6.40	12.50	19.40	83.20	4.10	1.80	2.00	2.30	3.80	
19	3.20	42.80	0.73	4.55	6.20	13.00	42.80	3.50	1.70	2.00	1.20	5.00	
20	5.60	6.00	0.28	3.50	5.00	15.80	30.20	3.50	1.60	2.00	1.00	5.00	
21	2.00	11.50	0.10	3.35	4.25	32.90	49.10	3.65	1.50	2.00	1.00	3.95	
22	0.82	18.80	0.19	2.75	4.55	20.00	21.80	3.35	1.50	2.00	1.00	3.65	
23	0.46	7.40	0.91	2.75	7.80	12.50	20.00	3.35	1.40	2.00	0.46	4.70	
24	10.50	3.65	0.07	2.90	6.20	53.00	14.00	3.35	1.40	2.00	1.00	32.90	
25	7.20	2.90	0.05	18.20	4.10	56.00	11.00	3.20	1.40	1.70	1.00	9.00	
26	9.50	2.00	0.05	12.50	39.20	185.10	9.50	3.20	1.70	1.20	0.64	5.80	
27	11.00	3.05	0.05	8.00	33.80	71.20	8.20	3.05	1.90	1.20	0.82	4.85	
28	8.60	4.25	0.04	5.80	45.50	50.00	8.40	3.05	1.70	1.20	0.28	4.40	
29	29.60	3.50	0.03	4.70	52.00	27.20	13.00	2.90	1.50	0.73		3.50	
30	47.30	1.90	0.03	3.95	23.60	18.20	9.50	2.60	1.50	0.55		3.95	
31		1.30		3.50	29.00		33.80		1.40	0.37		3.20	
Total	145.07	279.80	10.45	174.03	337.45	1390.40	821.10	229.10	59.65	50.85	56.00	128.51	3682.41

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022														
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	293.10	293.74	293.17	293.17	293.25	294.22	293.44	293.35	293.18	293.04	293.01	293.02	
	2	293.10	293.70	293.17	293.18	293.24	293.55	293.47	293.38	293.16	293.04	293.01	293.02	
	3	293.10	293.37	293.17	293.16	293.24	293.91	293.50	293.39	293.15	293.04	293.02	293.02	
	4	293.10	293.34	293.17	293.16	293.23	293.56	293.42	293.37	293.15	293.04	293.02	293.02	
	5	293.10	293.29	293.17	293.17	293.22	293.67	293.39	293.34	293.15	293.04	293.02	293.02	
	6	293.10	293.29	293.17	293.19	293.20	293.50	293.37	293.32	293.15	293.04	293.02	293.03	
	7	293.10	293.23	293.17	293.17	293.17	293.46	293.45	293.44	293.14	293.04	293.02	293.03	
	8	293.10	293.14	293.16	293.15	293.16	295.23	293.41	293.38	293.14	293.04	293.01	293.09	
	9	293.10	293.14	293.16	293.18	293.16	293.97	293.42	293.36	293.16	293.04	293.09	293.07	
	10	293.10	293.15	293.16	293.30	293.15	294.10	293.42	293.34	293.16	293.04	293.02	293.03	
	11	293.10	293.16	293.16	293.29	293.18	293.76	293.38	293.32	293.15	293.04	293.02	293.02	
	12	293.10	293.17	293.16	293.23	293.24	293.44	293.44	293.30	293.15	293.04	293.02	293.02	
	13	293.10	293.18	293.16	293.25	293.22	293.38	293.52	293.28	293.14	293.04	293.02	293.02	
	14	293.10	293.18	293.16	293.24	293.21	293.51	293.47	293.31	293.14	293.03	293.18	293.02	
	15	293.10	293.18	293.15	293.22	293.21	293.54	293.64	293.28	293.13	293.03	293.10	293.02	
	16	293.10	293.18	293.15	293.29	293.42	293.68	294.19	293.28	293.13	293.03	293.11	293.02	
	17	293.10	293.17	293.15	293.29	293.46	293.45	294.26	293.27	293.12	293.03	293.03	293.02	
	18	293.10	293.17	293.15	293.24	293.51	293.57	294.09	293.26	293.11	293.03	293.03	293.03	
	19	293.11	293.16	293.15	293.24	293.30	293.48	293.64	293.25	293.10	293.03	293.02	293.03	
	20	293.12	293.16	293.15	293.22	293.29	293.73	293.53	293.25	293.09	293.03	293.02	293.03	
	21	293.13	293.15	293.15	293.19	293.28	293.78	293.51	293.24	293.08	293.02	293.02	292.99	
	22	293.13	293.15	293.14	293.18	293.29	293.48	293.47	293.23	293.08	293.02	293.01	292.98	
	23	293.13	293.14	293.14	293.16	293.35	293.47	293.44	293.23	293.08	293.02	293.02	293.09	
	24	293.13	293.14	293.14	293.25	293.33	293.58	293.42	293.23	293.08	293.02	293.02	293.41	
	25	293.13	293.14	293.13	293.32	293.40	294.03	293.39	293.22	293.10	293.02	293.02	293.30	
	26	293.13	293.13	293.12	293.31	293.47	294.96	293.36	293.19	293.14	293.02	293.02	293.25	
	27	293.13	293.13	293.12	293.25	293.60	293.80	293.34	293.19	293.15	293.02	293.02	293.23	
	28	293.13	293.18	293.11	293.23	293.44	293.62	293.34	293.19	293.09	293.02	293.02	293.23	
	29	293.14	293.18	293.10	293.23	293.43	293.50	293.38	293.19	293.05	293.01		293.20	
	30	293.52	293.17	293.10	293.23	293.29	293.46	293.37	293.19	293.04	293.01		293.19	
	31		293.17		293.21	293.63		293.35		293.04	293.01		293.17	
Mean		293.12	293.22	293.15	293.22	293.31	293.75	293.51	293.29	293.12	293.03	293.03	293.08	
Max		293.52	293.74	293.17	293.32	293.63	295.23	294.26	293.44	293.18	293.04	293.18	293.41	295.23
Min		293.10	293.13	293.10	293.15	293.15	293.38	293.34	293.19	293.04	293.01	293.01	292.98	292.98
Annual Max Momentary Gage Height			296.14	m. (MSL.) ,			at 06.00 Hours, on Sep 8, 2021							
Zero Gage at Bottom Elevation			293.20	m. (MSL.) ,			River Bed	292.45	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.25	15.60	0.43	0.43	1.25	38.20	5.20	3.00	0.45	0.10	0.03	0.05	
2	0.25	14.00	0.43	0.45	1.10	8.50	6.10	3.60	0.40	0.10	0.03	0.05	
3	0.25	3.40	0.43	0.40	1.10	22.40	7.00	3.80	0.38	0.10	0.05	0.05	
4	0.25	2.80	0.43	0.40	0.95	8.80	4.60	3.40	0.38	0.10	0.05	0.05	
5	0.25	1.85	0.43	0.43	0.80	12.80	3.80	2.80	0.38	0.10	0.05	0.05	
6	0.25	1.85	0.43	0.48	0.50	7.00	3.40	2.40	0.38	0.10	0.05	0.08	
7	0.25	0.95	0.43	0.43	0.43	5.80	5.50	5.20	0.35	0.10	0.05	0.08	
8	0.25	0.35	0.40	0.38	0.40	109.70	4.30	3.60	0.35	0.10	0.03	0.23	
9	0.25	0.35	0.40	0.45	0.40	24.80	4.60	3.20	0.40	0.10	0.23	0.18	
10	0.25	0.38	0.40	2.00	0.38	31.00	4.60	2.80	0.40	0.10	0.05	0.08	
11	0.25	0.40	0.40	1.85	0.45	16.40	3.60	2.40	0.38	0.10	0.05	0.05	
12	0.25	0.43	0.40	0.95	1.10	5.20	5.20	2.00	0.38	0.10	0.05	0.05	
13	0.25	0.45	0.40	1.25	0.80	3.60	7.60	1.70	0.35	0.10	0.05	0.05	
14	0.25	0.45	0.40	1.10	0.65	7.30	6.10	2.20	0.35	0.08	0.45	0.05	
15	0.25	0.45	0.38	0.80	0.65	8.20	11.60	1.70	0.33	0.08	0.25	0.05	
16	0.25	0.45	0.38	1.85	4.60	13.20	36.40	1.70	0.33	0.08	0.28	0.05	
17	0.25	0.43	0.38	1.85	5.80	5.50	40.60	1.55	0.30	0.08	0.08	0.05	
18	0.25	0.43	0.38	1.10	7.30	9.10	30.50	1.40	0.28	0.08	0.08	0.08	
19	0.28	0.40	0.38	1.10	2.00	6.40	11.60	1.25	0.25	0.08	0.05	0.08	
20	0.30	0.40	0.38	0.80	1.85	15.20	7.90	1.25	0.23	0.08	0.05	0.08	
21	0.33	0.38	0.38	0.48	1.70	17.20	7.30	1.10	0.20	0.05	0.05	0.00	
22	0.33	0.38	0.35	0.45	1.85	6.40	6.10	0.95	0.20	0.05	0.03	0.00	
23	0.33	0.35	0.35	0.40	3.00	6.10	5.20	0.95	0.20	0.05	0.05	0.23	
24	0.33	0.35	0.35	1.25	2.60	9.40	4.60	0.95	0.20	0.05	0.05	4.30	
25	0.33	0.35	0.33	2.40	4.00	27.50	3.80	0.80	0.25	0.05	0.05	2.00	
26	0.33	0.33	0.30	2.20	6.10	87.20	3.20	0.48	0.35	0.05	0.05	1.25	
27	0.33	0.33	0.30	1.25	10.00	18.00	2.80	0.48	0.38	0.05	0.05	0.95	
28	0.33	0.45	0.28	0.95	5.20	10.80	2.80	0.48	0.23	0.05	0.05	0.95	
29	0.35	0.45	0.25	0.95	4.90	7.00	3.60	0.48	0.13	0.03		0.50	
30	7.60	0.43	0.25	0.95	1.85	5.80	3.40	0.48	0.10	0.03		0.48	
31		0.43		0.65	11.20		3.00		0.10	0.03		0.43	
Total	15.67	50.05	11.23	30.43	84.91	554.50	256.00	58.10	9.39	2.35	2.39	12.58	1087.60 CMSDAY
Mean	0.52	1.61	0.37	0.98	2.74	18.48	8.26	1.94	0.30	0.08	0.09	0.41	2.98 CMS
Max	7.60	15.60	0.43	2.40	11.20	109.70	40.60	5.20	0.45	0.10	0.45	4.30	109.70 CMS
Min	0.25	0.33	0.25	0.38	0.38	3.60	2.80	0.48	0.10	0.03	0.03	0.00	0.00 CMS
Runoff	1.35	4.32	0.97	2.63	7.34	47.91	22.12	5.02	0.81	0.20	0.21	1.09	93.97 MCM
Momentary Peak	196.00 CMS. at 296.14 m. (MSL.) at 06.00 Hours , on Sep 8, 2021												
Runoff Yield	20.84	Liters/Second/Square KM.			Momentary Peak Yield			1370.63	Liters/Second/Square KM.				

WATER YEAR : 2021**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.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+174.800 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank at the footpath of the bridge.	Elevation	+183.884 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 37 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	176.44	179.41	176.99	176.28	176.75	179.17	181.87	181.69	176.80	176.35	176.95	176.48	
2	176.42	180.15	176.93	176.28	176.60	178.87	181.84	181.65	176.79	176.34	176.92	176.60	
3	176.41	180.16	176.79	176.30	176.53	178.65	181.77	181.62	176.78	176.34	176.91	176.62	
4	176.46	179.82	176.66	176.40	176.35	178.65	181.67	181.58	176.80	176.32	176.88	176.57	
5	176.60	179.56	176.52	176.12	176.22	178.52	181.56	181.54	176.77	176.30	176.87	176.54	
6	176.67	179.33	176.45	176.02	176.27	178.37	181.44	181.50	176.74	176.28	176.85	176.52	
7	176.81	179.30	176.42	176.01	176.22	178.65	181.31	181.46	176.77	176.26	176.83	176.59	
8	177.09	179.33	176.36	177.07	176.20	179.62	181.16	181.41	176.73	176.24	176.81	176.97	
9	177.50	179.25	176.27	177.98	176.31	180.88	180.94	181.36	176.70	176.22	176.79	177.66	
10	177.70	178.96	176.21	178.61	176.42	181.25	180.67	181.30	176.66	176.20	176.77	177.85	
11	177.83	178.68	176.19	179.12	176.30	181.40	180.48	181.21	176.66	176.18	176.75	177.67	
12	178.07	178.18	176.17	178.97	176.36	181.50	180.38	181.10	176.66	176.18	176.73	177.65	
13	178.36	177.72	176.15	178.59	176.51	181.56	180.23	180.90	176.66	176.19	176.72	177.59	
14	178.46	177.52	176.13	178.46	176.50	181.69	180.47	180.63	176.65	176.19	176.71	177.31	
15	178.39	177.21	176.12	178.70	176.53	181.79	180.86	180.24	176.78	176.20	176.69	177.18	
16	178.26	177.07	176.09	179.09	176.58	181.83	181.34	179.79	176.80	176.21	176.68	177.11	
17	177.83	177.04	176.05	179.53	176.62	181.83	181.74	179.36	176.77	176.21	176.66	176.99	
18	177.46	176.98	176.05	179.87	176.67	181.82	181.85	178.96	176.74	176.22	176.65	176.90	
19	177.53	176.89	176.05	179.74	176.81	181.79	181.84	178.67	176.70	176.25	176.64	176.86	
20	177.79	176.97	176.05	179.01	177.38	181.74	181.83	178.34	176.66	176.26	176.62	176.91	
21	177.91	177.04	176.05	178.07	177.60	181.69	181.86	178.07	176.63	176.27	176.60	176.91	
22	177.85	176.90	176.05	177.43	177.95	181.65	181.93	177.96	176.60	176.32	176.58	176.95	
23	177.71	176.78	176.04	177.13	178.06	181.62	181.99	177.84	176.57	176.39	176.56	177.01	
24	177.62	176.74	176.04	177.01	178.09	181.58	181.99	177.67	176.54	176.63	176.55	177.01	
25	177.51	176.78	176.02	177.47	178.28	181.58	181.96	177.54	176.51	176.71	176.51	177.00	
26	177.42	176.83	176.01	178.24	178.97	181.63	181.93	177.48	176.69	176.81	176.47	177.09	
27	177.31	176.95	176.00	178.27	180.03	181.69	181.88	177.41	176.44	176.86	176.43	177.03	
28	177.32	177.33	176.09	178.05	180.29	181.74	181.84	177.34	176.42	176.85	176.41	176.97	
29	177.51	177.55	176.29	177.73	180.10	181.79	181.80	177.18	176.40	176.87		176.91	
30	178.31	177.38	176.28	177.21	179.73	181.84	181.77	176.88	176.38	176.91		176.85	
31		177.17		176.86	179.43		181.73		176.35	176.94		176.82	
Mean	177.49	177.97	176.25	177.79	177.38	180.88	181.48	179.66	176.65	176.40	176.70	177.00	
Max	178.46	180.16	176.99	179.87	180.29	181.84	181.99	181.69	176.80	176.94	176.95	177.85	181.99
Min	176.41	176.74	176.00	176.01	176.20	178.37	180.23	176.88	176.35	176.18	176.41	176.48	176.00
Annual Max Momentary Gage Height	182.00		m. (MSL.) ,			at 13.00 Hours, on Oct 23, 2021							
Zero Gage at Bottom Elevation	174.80		m. (MSL.) ,			River Bed	175.49	m. (MSL.)					
Left Bank Elevation		183.88		m. (MSL.) ,									
Right Bank Elevation		183.85		m. (MSL.) ,		Drainage Are	4,222	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.80	34.15	7.93	2.60	6.13	30.63	172.50	132.00	6.50	3.13	7.63	4.10	
2	3.65	45.25	7.48	2.60	5.00	26.88	165.00	124.00	6.43	3.05	7.40	5.00	
3	3.58	45.40	6.43	2.75	4.48	24.13	148.70	118.00	6.35	3.05	7.33	5.15	
4	3.95	40.30	5.45	3.50	3.13	24.13	128.00	110.40	6.50	2.90	7.10	4.78	
5	5.00	36.40	4.40	1.40	2.15	22.50	106.80	103.20	6.28	2.75	7.03	4.55	
6	5.53	32.95	3.88	0.65	2.53	20.70	85.80	96.00	6.05	2.60	6.88	4.40	
7	6.58	32.50	3.65	0.58	2.15	24.13	73.60	89.20	6.28	2.45	6.73	4.93	
8	8.68	32.95	3.20	8.53	2.00	37.30	66.30	80.70	5.98	2.30	6.58	7.78	
9	12.00	31.75	2.53	16.80	2.83	59.10	60.30	76.60	5.75	2.15	6.43	13.60	
10	14.00	28.00	2.08	23.63	3.65	70.25	54.90	73.00	5.45	2.00	6.28	15.50	
11	15.30	24.50	1.93	30.00	2.75	79.00	51.10	68.05	5.45	1.85	6.13	13.70	
12	17.70	18.80	1.78	28.13	3.20	96.00	49.10	64.50	5.45	1.85	5.98	13.50	
13	20.60	14.20	1.63	23.38	4.33	106.80	46.45	59.50	5.45	1.93	5.90	12.90	
14	21.75	12.20	1.48	21.75	4.25	132.00	50.90	54.10	5.38	1.93	5.83	10.33	
15	20.90	9.58	1.40	24.75	4.48	152.90	58.70	46.60	6.35	2.00	5.68	9.35	
16	19.60	8.53	1.18	29.63	4.85	162.50	75.40	39.85	6.50	2.08	5.60	8.83	
17	15.30	8.30	0.88	35.95	5.15	162.50	142.40	33.40	6.28	2.08	5.45	7.93	
18	11.60	7.85	0.88	41.05	5.53	160.00	167.50	28.00	6.05	2.15	5.38	7.25	
19	12.30	7.18	0.88	39.10	6.58	152.90	165.00	24.38	5.75	2.38	5.30	6.95	
20	14.90	7.78	0.88	28.63	10.85	142.40	162.50	20.40	5.45	2.45	5.15	7.33	
21	16.10	8.30	0.88	17.70	13.00	132.00	170.00	17.70	5.23	2.53	5.00	7.33	
22	15.50	7.25	0.88	11.30	16.50	124.00	187.50	16.60	5.00	2.90	4.85	7.63	
23	14.10	6.35	0.80	8.98	17.60	118.00	202.50	15.40	4.78	3.43	4.70	8.08	
24	13.20	6.05	0.80	8.08	17.90	110.40	202.50	13.70	4.55	5.23	4.63	8.08	
25	12.10	6.35	0.65	11.70	19.80	110.40	195.00	12.40	4.33	5.83	4.33	8.00	
26	11.20	6.73	0.58	19.40	28.13	120.00	187.50	11.80	5.68	6.58	4.03	8.68	
27	10.33	7.63	0.50	19.70	43.45	132.00	175.00	11.10	3.80	6.95	3.73	8.23	
28	10.40	10.48	1.18	17.50	47.35	142.40	165.00	10.55	3.65	6.88	3.58	7.78	
29	12.10	12.50	2.68	14.30	44.50	152.90	155.00	9.35	3.50	7.03		7.33	
30	20.10	10.85	2.60	9.58	38.95	165.00	148.70	7.10	3.35	7.33		6.88	
31		9.28		6.95	34.45		140.30		3.13	7.55		6.65	
Total	371.85	570.34											

WATER YEAR : 2021**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.				
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.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 56 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	111.95	110.72	111.19	110.83	110.78	111.11	121.65	117.38	113.54	112.63	112.58	112.36	
2	112.01	110.72	111.17	110.72	110.69	111.50	121.50	117.35	113.29	112.62	112.57	112.35	
3	112.07	110.74	111.16	110.66	110.65	111.64	121.28	117.26	113.01	112.61	112.58	112.35	
4	111.78	110.72	111.15	110.65	110.62	111.68	120.93	117.06	112.94	112.60	112.57	112.34	
5	111.60	110.71	111.15	110.63	110.58	111.82	120.43	116.81	112.91	112.61	112.56	112.33	
6	111.48	110.71	111.14	110.59	110.55	112.00	119.58	116.62	112.82	112.63	112.55	112.32	
7	111.38	110.69	111.16	110.60	110.52	112.24	118.57	116.43	112.79	112.63	112.54	112.32	
8	111.27	110.68	111.10	110.60	110.50	112.48	117.79	116.31	112.76	112.64	112.53	112.32	
9	111.16	110.67	111.05	110.57	110.50	113.03	117.35	116.21	112.61	112.65	112.51	112.31	
10	111.05	110.77	111.01	110.54	110.51	113.83	116.90	116.12	112.59	112.66	112.51	112.31	
11	110.96	110.86	111.01	110.54	110.56	114.13	116.35	115.97	112.46	112.66	112.50	112.30	
12	110.86	110.86	111.04	110.54	110.63	114.03	115.92	115.82	112.46	112.66	112.49	112.29	
13	110.78	110.83	111.07	110.56	110.57	113.69	115.59	115.69	112.47	112.66	112.49	112.28	
14	110.76	110.80	111.05	110.58	110.60	113.34	115.37	115.57	112.49	112.66	112.48	112.27	
15	110.75	110.76	111.09	110.73	110.62	113.00	115.40	115.44	112.50	112.66	112.47	112.26	
16	110.84	110.71	111.14	110.79	110.54	112.77	115.98	115.32	112.53	112.65	112.46	112.26	
17	110.79	110.72	111.18	110.81	110.51	112.49	116.68	115.23	112.55	112.65	112.45	112.26	
18	110.77	110.86	111.19	110.75	110.49	112.39	117.39	115.14	112.57	112.64	112.44	112.29	
19	110.84	111.05	111.14	110.69	110.49	112.68	118.04	115.04	112.60	112.65	112.44	112.32	
20	110.86	111.30	111.08	110.63	110.49	114.02	118.41	114.94	112.61	112.64	112.43	112.32	
21	110.78	111.48	111.03	110.57	110.49	115.47	118.65	114.83	112.63	112.63	112.43	112.33	
22	110.63	111.53	111.03	110.55	110.51	116.75	118.84	114.72	112.63	112.62	112.43	112.34	
23	110.62	111.56	111.03	110.57	110.51	117.67	119.02	114.58	112.63	112.62	112.42	112.32	
24	110.61	111.55	110.99	110.58	110.53	118.52	119.22	114.42	112.64	112.62	112.41	112.31	
25	110.63	111.62	110.92	110.69	110.54	119.60	119.33	114.28	112.65	112.62	112.39	112.30	
26	110.61	111.70	110.89	110.69	110.57	120.43	119.21	114.15	112.65	112.62	112.39	112.30	
27	110.57	111.72	110.88	110.71	110.60	121.15	118.89	114.01	112.65	112.61	112.38	112.28	
28	110.56	111.64	110.86	110.79	110.63	121.49	118.51	113.88	112.65	112.60	112.37	112.26	
29	110.54	111.54	110.87	110.88	110.70	121.67	118.16	113.73	112.64	112.59		112.24	
30	110.65	111.42	110.91	110.88	110.85	121.72	117.82	113.59	112.64	112.58		112.22	
31		111.30		110.85	110.90		117.52		112.64	112.58		112.21	
Mean	111.01	111.06	111.06	110.67	110.59	114.94	118.27	115.46	112.70	112.63	112.48	112.30	
Max	112.07	111.72	111.19	110.88	110.90	121.72	121.65	117.38	113.54	112.66	112.58	112.36	121.72
Min	110.54	110.67	110.86	110.54	110.49	111.11	115.37	113.59	112.46	112.58	112.37	112.21	110.49
Annual Max Momentary Gage Height	121.74		m. (MSL.) ,			at 12.00 Hours, on Sep 30, 2021							
Zero Gage at Bottom Elevation	110.20		m. (MSL.) ,			River Bed	109.61	m. (MSL.)					
Left Bank Elevation		123.94		m. (MSL.) ,									
Right Bank Elevation		123.57		m. (MSL.) ,		Drainage Are	3,007	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.38	0.62	1.19	0.76	0.70	2.71	423.75	141.25	39.80	4.08	3.95	3.40		
2	2.53	0.62	1.16	0.62	0.59	7.20	404.00	140.13	34.80	4.05	3.93	3.38		
3	2.68	0.65	1.15	0.55	0.54	8.92	375.40	136.75	29.20	4.03	3.95	3.38		
4	1.97	0.62	1.14	0.54	0.50	9.44	329.90	129.25	27.92	4.00	3.93	3.35		
5	1.72	0.61	1.14	0.52	0.46	11.26	272.40	120.35	4.78	4.03	3.90	3.33		
6	1.56	0.61	1.13	0.47	0.42	13.60	227.20	114.60	4.55	4.08	3.88	3.30		
7	1.43	0.59	1.15	0.48	0.38	16.96	186.80	108.90	4.48	4.08	3.85	3.30		
8	1.29	0.58	1.08	0.48	0.36	20.32	156.63	105.30	4.40	4.10	3.83	3.30		
9	1.15	0.56	1.02	0.44	0.36	29.60	140.13	102.30	4.03	4.13	3.78	3.28		
10	1.02	0.68	0.97	0.41	0.37	45.60	123.50	99.60	3.98	4.15	3.78	3.28		
11	0.91	0.79	0.97	0.41	0.43	51.60	106.50	95.10	3.65	4.15	3.75	3.25		
12	0.79	0.79	1.01	0.41	0.52	49.60	93.60	90.60	3.65	4.15	3.73	3.23		
13	0.70	0.76	1.04	0.43	0.44	42.80	83.70	86.70	3.68	4.15	3.73	3.20		
14	0.67	0.72	1.02	0.46	0.48	35.80	77.75	83.10	3.73	4.15	3.70	3.18		
15	0.66	0.67	1.07	0.64	0.50	29.00	78.50	79.50	3.75	4.15	3.68	3.15		
16	0.77	0.61	1.13	0.71	0.41	24.89	95.40	76.50	3.83	4.13	3.65	3.15		
17	0.71	0.62	1.18	0.73	0.37	20.46	116.40	74.25	3.88	4.13	3.63	3.15		
18	0.68	0.79	1.19	0.66	0.35	19.06	141.63	72.00	3.93	4.10	3.60	3.23		
19	0.77	1.02	1.13	0.59	0.35	23.38	166.00	69.80	4.00	4.13	3.60	3.30		
20	0.79	1.33	1.06	0.52	0.35	49.40	180.40	67.80	4.03	4.10	3.58	3.30		
21	0.70	1.56	1.00	0.44	0.35	80.25	190.00	65.60	4.08	4.08	3.58	3.33		
22	0.52	1.63	1.00	0.42	0.37	118.50	197.60	63.40	4.08	4.05	3.58	3.35		
23	0.50	1.67	1.00	0.44	0.37	152.13	204.80	60.60	4.08	4.05	3.55	3.30		
24	0.49	1.66	0.95	0.46	0.33	184.80	212.80	57.40	4.10	4.05	3.53	3.28		
25	0.52	1.75	0.86	0.59	0.34	228.00	217.20	54.60	4.13	4.05	3.48	3.25		
26	0.49	1.86	0.83	0.59	0.37	272.40	212.40	52.00	4.13	4.05	3.48	3.25		
27	0.44	1.89	0.82	0.61	0.40	358.50	199.60	49.20	4.13	4.03	3.45	3.20		
28	0.43	1.78	0.79	0.71	0.43	402.70	184.40	46.60	4.13	4.00	3.43	3.15		
29	0.41	1.64	0.80	0.82	0.50	426.45	170.50	43.60	4.10	3.98		3.10		
30	0.54	1.49	0.85	0.82	0.80	433.20	157.75	40.80	4.10	3.95		3.05		
31		1.33		0.78	1.00		146.50		4.10	3.95</				

WATER YEAR : 2021**MUN RIVER BASIN****Lam Ta Khong at Ban Non Sawang, Nakhon Ratchasima (M.177)**

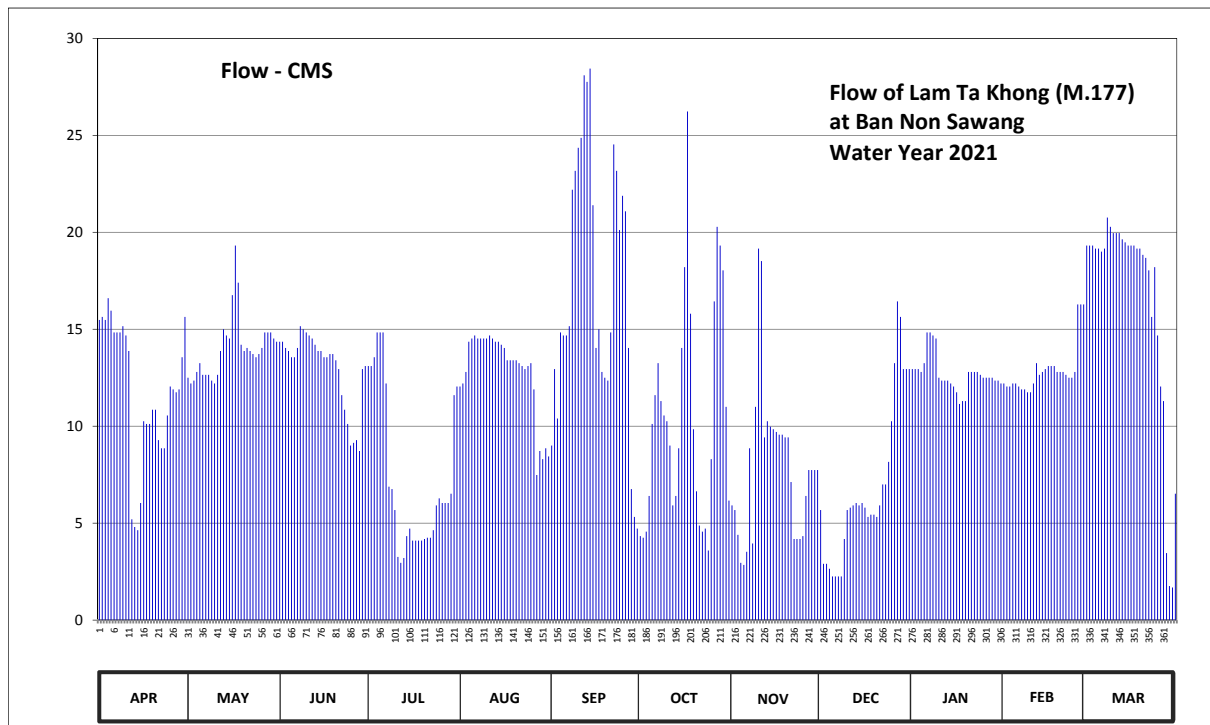
Lat 14 - 51 - 01 N Long 101 - 37 - 00 E

Location : on right bank at the bridge.

	Ban	Non Sawang	Amphoe	Si Khui	Changwat	Nakhon Ratchasima
Drainage 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	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 34 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	239.93	239.74	239.86	239.78	239.71	239.50	239.09	239.26	239.24	239.77	239.72	240.17	
2	239.94	239.72	239.86	239.78	239.72	239.77	239.08	239.24	238.88	239.77	239.71	240.17	
3	239.93	239.73	239.84	239.81	239.76	239.60	239.12	239.10	238.88	239.77	239.71	240.17	
4	240.00	239.76	239.83	239.89	239.86	239.89	239.30	238.89	238.83	239.76	239.72	240.16	
5	239.96	239.79	239.81	239.89	239.87	239.88	239.58	238.87	238.75	239.79	239.72	240.16	
6	239.89	239.75	239.81	239.89	239.88	239.88	239.68	238.98	238.75	239.89	239.71	240.15	
7	239.89	239.75	239.84	239.72	239.87	239.91	239.79	239.49	238.75	239.89	239.70	240.16	
8	239.89	239.75	239.91	239.34	239.87	240.35	239.66	239.04	238.75	239.88	239.70	240.26	
9	239.91	239.73	239.90	239.33	239.87	240.41	239.61	239.64	239.07	239.87	239.69	240.23	
10	239.88	239.72	239.89	239.24	239.87	240.48	239.59	240.16	239.24	239.74	239.69	240.21	
11	239.83	239.75	239.88	238.94	239.88	240.51	239.50	240.12	239.25	239.73	239.72	240.21	
12	239.20	239.83	239.87	238.89	239.87	240.70	239.26	239.53	239.26	239.73	239.79	240.21	
13	239.15	239.90	239.85	238.93	239.86	240.68	239.30	239.59	239.27	239.73	239.75	240.19	
14	239.13	239.88	239.83	239.09	239.86	240.72	239.49	239.57	239.26	239.72	239.76	240.18	
15	239.27	239.87	239.83	239.14	239.85	240.30	239.84	239.56	239.27	239.71	239.77	240.17	
16	239.59	240.01	239.81	239.06	239.84	239.84	240.10	239.55	239.25	239.69	239.78	240.17	
17	239.58	240.17	239.81	239.06	239.80	239.90	240.59	239.54	239.21	239.65	239.78	240.17	
18	239.58	240.05	239.82	239.06	239.80	239.76	239.95	239.54	239.22	239.66	239.78	240.16	
19	239.63	239.85	239.82	239.06	239.80	239.74	239.56	239.53	239.22	239.66	239.76	240.16	
20	239.63	239.83	239.80	239.07	239.80	239.73	239.32	239.53	239.21	239.76	239.76	240.14	
21	239.52	239.84	239.77	239.08	239.79	239.89	239.16	239.36	239.26	239.76	239.76	240.13	
22	239.49	239.83	239.68	239.08	239.78	240.49	239.12	239.07	239.35	239.76	239.75	240.09	
23	239.49	239.82	239.63	239.13	239.77	240.41	239.14	239.07	239.35	239.76	239.74	239.94	
24	239.61	239.81	239.58	239.26	239.78	240.22	238.99	239.07	239.44	239.75	239.74	240.10	
25	239.71	239.82	239.50	239.29	239.79	240.33	239.45	239.09	239.59	239.74	239.76	239.88	
26	239.70	239.84	239.51	239.27	239.70	240.28	239.99	239.30	239.79	239.74	239.98	239.71	
27	239.69	239.89	239.52	239.27	239.39	239.84	240.23	239.41	239.99	239.74	239.98	239.66	
28	239.70	239.89	239.48	239.27	239.48	239.33	240.17	239.41	239.94	239.74	239.98	238.97	
29	239.81	239.89	239.77	239.31	239.45	239.21	240.09	239.41	239.77	239.73		238.64	
30	239.94	239.87	239.78	239.68	239.49	239.14	239.64	239.41	239.77	239.73		238.62	
31		239.86		239.71	239.46		239.28		239.77	239.72		239.31	
Mean	239.68	239.84	239.77	239.33	239.76	240.02	239.57	239.38	239.28	239.75	239.76	239.96	
Max	240.00	240.17	239.91	239.89	239.88	240.72	240.59	240.16	239.99	239.89	239.98	240.26	240.72
Min	239.13	239.72	239.48	238.89	239.39	239.14	238.99	238.87	238.75	239.65	239.69	238.62	238.62
Annual Max Momentary Gage Height	241.03		m. (MSL.) ,			at 05.00 Hours, on Oct 17, 2021							
Zero Gage at Bottom Elevation	236.70		m. (MSL.) ,			River Bed	237.69	m. (MSL.)					
Left Bank Elevation		243.95		m. (MSL.) ,									
Right Bank Elevation		243.94		m. (MSL.) ,		Drainage Are	1,464	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	15.48	12.50	14.36	13.10	12.05	9.00	4.33	5.92	5.68	12.95	12.20	19.32		
2	15.64	12.20	14.36	13.10	12.20	12.95	4.25	5.68	2.90	12.95	12.05	19.32		
3	15.48	12.35	14.04	13.56	12.80	10.40	4.56	4.40	2.90	12.95	12.05	19.32		
4	16.60	12.80	13.88	14.84	14.36	14.84	6.40	2.95	2.65	12.80	12.20	19.16		
5	15.96	13.25	13.56	14.84	14.52	14.68	10.12	2.85	2.25	13.25	12.20	19.16		
6	14.84	12.65	13.56	14.84	14.68	14.68	11.60	3.52	2.25	14.84	12.05	19.00		
7	14.84	12.65	14.04	12.20	14.52	15.16	13.25	8.86	2.25	14.84	11.90	19.16		
8	14.84	12.65	15.16	6.88	14.52	22.20	11.30	3.95	2.25	14.68	11.90	20.76		
9	15.16	12.35	15.00	6.76	14.52	23.17	10.55	11.00	4.18	14.52	11.75	20.28		
10	14.68	12.20	14.84	5.68	14.52	24.36	10.26	19.16	5.68	12.50	11.75	19.96		
11	13.88	12.65	14.68	3.26	14.68	24.87	9.00	18.52	5.80	12.35	12.20	19.96		
12	5.20	13.88	14.52	2.95	14.52	28.10	5.92	9.42	5.92	12.35	13.25	19.96		
13	4.80	15.00	14.20	3.20	14.36	27.76	6.40	10.26	6.04	12.35	12.65	19.64		
14	4.64	14.68	13.88	4.33	14.36	28.44	8.86	9.98	5.92	12.20	12.80	19.48		
15	6.04	14.52	13.88	4.72	14.20	21.40	14.04	9.84	6.04	12.05	12.95	19.32		
16	10.26	16.76	13.56	4.10	14.04	14.04	18.20	9.70	5.80	11.75	13.10	19.32		
17	10.12	19.32	13.56	4.10	13.40	15.00	26.23	9.56	5.32	11.15	13.10	19.32		
18	10.12	17.40	13.72	4.10	13.40	12.80	15.80	9.56	5.44	11.30	13.10	19.16		
19	10.85	14.20	13.72	4.10	13.40	12.50	9.84	9.42	5.44	11.30	12.80	19.16		
20	10.85	13.88	13.40	4.18	13.40	12.35	6.64	9.42	5.32	12.80	12.80	18.84		
21	9.28	14.04	12.95	4.25	13.25	14.84	4.88	7.12	5.92	12.80	12.80	18.68		
22	8.86	13.88	11.60	4.25	13.10	24.53	4.56	4.18	7.00	12.80	12.65	18.04		
23	8.86	13.72	10.85	4.64	12.95	23.17	4.72	4.18	7.00	12.80	12.50	15.64		
24	10.55	13.56	10.12	5.92	13.10	20.12	3.59	4.18	8.16	12.65	12.50	18.20		
25	12.05	13.72	9.00	6.28	13.25	21.88	8.30	4.33	10.26	12.50	12.80	14.68		
26	11.90	14.04	9.14	6.04	11.90	21.08	16.44	6.40	13.25	12.50	16.28	12.05		
27	11.75	14.84	9.28	6.04	7.48	14.04	20.28	7.74	16.44	12.50	16.28	11.30		
28	11.90	14.84	8.72	6.04	8.72	6.76	19.32	7.74	15.64	12.50	16.28	3.46		
29	13.56	14.84	12.95	6.52	8.30	5.32	18.04	7.74	12.95	12.35		1.76		
30	15.64	14.52	13.10	11.60	8.86	4.72	11.00	7.74	12.95	12.35		1.68		
31		14.36		12.05	8.44		6.16		12.95	12.20		6.52		
Total	354.63	434.25	389.63	228.47	397.80	515.16	324.84	235.32	212.55	393.83	360.89	511.61	4358.98	CMSDAY
Mean	11.82	14.01	12.99	7.37	12.83	17.17	10.48	7.84	6.86	12.70	12.89	16.50	11.94	CMS
Max	16.60	19.32	15.16	14.84	14.68	28.44	26.23	19.16	16.44	14.84	16.28	20.76	28.44	CMS
Min	4.64	12.20	8.72	2.95	7.48	4.72	3.59	2.85	2.25	11.15	11.75	1.68	1.68	CMS
Runoff	30.64	37.52	33.66	19.74	34.37	44.51	28.07	20.33	18.36	34.03	31.18	44.20	376.62	MCM
Momentary Peak	33.94 CMS. at 241.03 m. (MSL.) at 05.00 Hours , on Oct 17 , 2021													
Runoff Yield	8.16	Liters/Second/Square KM.		Momentary Peak Yield		23.18	Liters/Second/Square KM.							

WATER YEAR : 2021**MUN RIVER BASIN****Lam Sa Bai at Ban Pa Kor, Ubon Ratchathani (M.179A)**

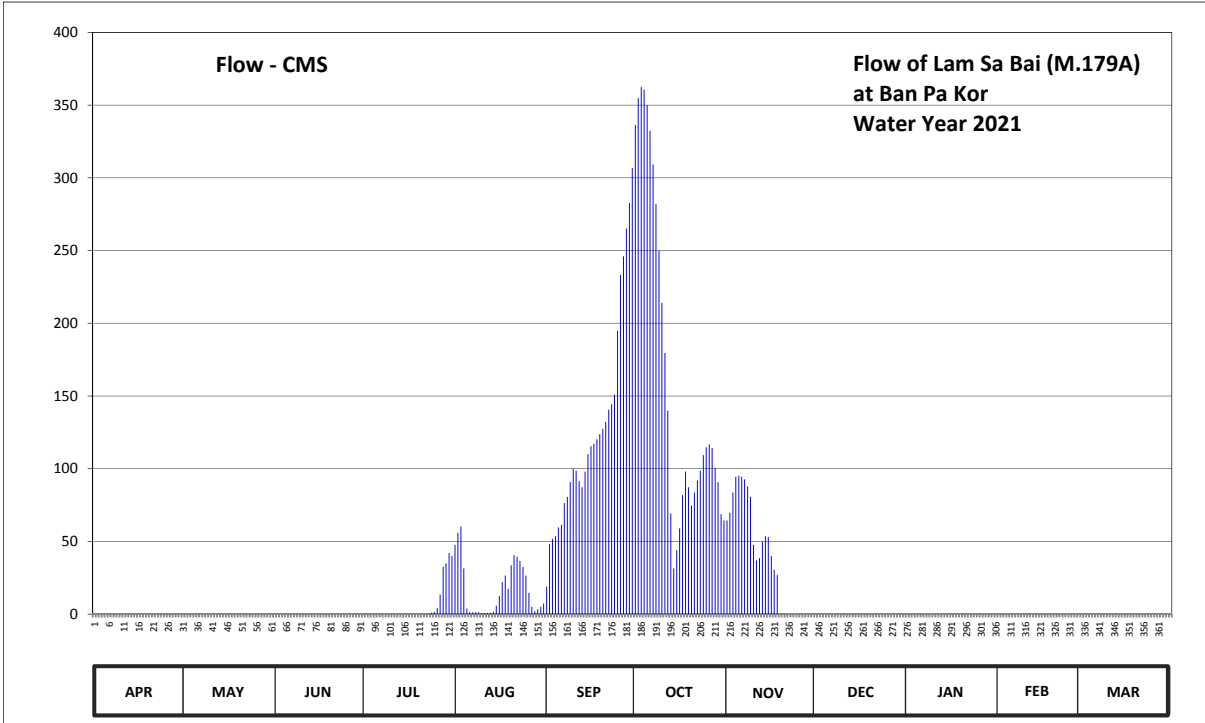
Lat 15 - 30 - 11 N Long 104 - 35 - 44 E

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	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 34 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	113.12	113.09	113.07	112.80	114.21	113.64	118.43	114.49	113.94	113.96	113.82	113.47	
2	113.12	113.12	113.04	112.78	114.35	114.22	118.66	114.58	113.94	113.97	113.80	113.46	
3	113.11	113.15	113.01	112.76	114.42	114.28	118.75	114.81	113.93	113.97	113.78	113.44	
4	113.11	113.16	112.99	112.73	113.89	114.31	118.73	114.99	113.93	113.97	113.77	113.42	
5	113.11	113.16	112.96	112.70	113.09	114.41	118.60	115.00	113.94	113.96	113.76	113.41	
6	113.10	113.17	112.93	112.67	112.76	114.44	118.38	114.99	113.94	113.96	113.75	113.40	
7	113.09	113.16	112.97	112.67	112.73	114.69	118.09	114.96	113.94	113.95	113.74	113.39	
8	113.09	113.16	112.95	112.68	112.72	114.76	117.75	114.88	113.94	113.95	113.72	113.39	
9	113.08	113.15	112.92	112.65	112.68	114.93	117.35	114.76	113.94	113.95	113.70	113.37	
10	113.07	113.14	112.89	112.62	112.44	115.08	116.90	114.21	113.93	113.96	113.68	113.36	
11	113.06	113.14	112.89	112.61	112.44	115.06	116.41	114.00	113.94	113.96	113.66	113.35	
12	113.06	113.14	112.92	112.58	112.52	114.94	115.75	114.03	113.93	113.96	113.64	113.33	
13	113.05	113.14	112.98	112.55	112.57	114.87	114.57	114.25	113.94	113.96	113.63	113.32	
14	113.04	113.13	113.00	112.53	112.82	115.05	113.89	114.31	113.94	113.96	113.62	113.30	
15	113.06	113.13	113.00	112.56	113.19	115.25	114.14	114.30	113.95	113.93	113.62	113.28	
16	113.06	113.14	113.00	112.56	113.48	115.34	114.40	114.06	113.95	113.93	113.61	113.26	
17	113.06	113.14	112.99	112.55	113.70	115.37	114.78	113.87	113.95	113.93	113.60	113.25	
18	113.06	113.14	112.99	112.54	113.79	115.42	115.05	113.80	113.94	113.93	113.58	113.25	
19	113.06	113.13	112.98	112.54	113.61	115.48	114.87	113.81	113.94	113.92	113.58	113.25	
20	113.06	113.12	112.96	112.53	113.93	115.54	114.66	113.85	113.94	113.91	113.57	113.25	
21	113.04	113.12	112.94	112.51	114.07	115.62	114.81	113.89	113.95	113.90	113.56	113.26	
22	113.04	113.11	112.91	112.49	114.05	115.76	114.95	113.92	113.95	113.89	113.56	113.26	
23	113.04	113.10	112.87	112.48	113.99	115.82	115.06	113.94	113.95	113.89	113.55	113.25	
24	113.04	113.10	112.84	112.55	113.91	115.93	115.24	113.94	113.96	113.88	113.54	113.25	
25	113.04	113.11	112.81	112.80	113.79	116.64	115.33	113.95	113.96	113.88	113.53	113.26	
26	113.03	113.10	112.79	113.11	113.54	117.14	115.36	113.95	113.97	113.87	113.52	113.27	
27	113.04	113.11	112.77	113.51	113.15	117.30	115.32	113.94	113.97	113.86	113.50	113.27	
28	113.04	113.11	112.86	113.91	113.00	117.54	115.09	113.94	113.96	113.85	113.48	113.26	
29	113.06	113.10	112.85	113.96	113.07	117.76	114.93	113.95	113.96	113.85		113.26	
30	113.09	113.10	112.82	114.10	113.15	118.06	114.56	113.95	113.96	113.84		113.25	
31		113.09		114.06	113.26		114.49		113.96	113.84		113.25	
Mean	113.07	113.13	112.93	112.84	113.37	115.49	115.98	114.24	113.95	113.92	113.64	113.32	
Max	113.12	113.17	113.07	114.10	114.42	118.06	118.75	115.00	113.97	113.97	113.82	113.47	118.75
Min	113.03	113.09	112.77	112.48	112.44	113.64	113.89	113.80	113.93	113.84	113.48	113.25	112.44
Annual Max Momentary Gage Height	118.77		m. (MSL.) ,			at 15.00 Hours, on Oct 3, 2021							
Zero Gage at Bottom Elevation	109.80		m. (MSL.) ,			River Bed	109.42	m. (MSL.) ,					
Left Bank Elevation	123.18		m. (MSL.) ,										
Right Bank Elevation	123.17		m. (MSL.) ,			Drainage Are	3,551	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.00	0.00	47.60	19.00	336.40	64.40	0.00	0.00	0.00	0.00		
2	0.00	0.00	0.00	0.00	56.00	48.20	354.80	69.80	0.00	0.00	0.00	0.00		
3	0.00	0.00	0.00	0.00	60.20	51.80	362.50	83.60	0.00	0.00	0.00	0.00		
4	0.00	0.00	0.00	0.00	31.50	53.60	360.70	94.40	0.00	0.00	0.00	0.00		
5	0.00	0.00	0.00	0.00	3.80	59.60	350.00	95.00	0.00	0.00	0.00	0.00		
6	0.00	0.00	0.00	0.00	1.40	61.40	332.40	94.40	0.00	0.00	0.00	0.00		
7	0.00	0.00	0.00	0.00	1.33	76.40	309.20	92.60	0.00	0.00	0.00	0.00		
8	0.00	0.00	0.00	0.00	1.30	80.60	282.00	87.80	0.00	0.00	0.00	0.00		
9	0.00	0.00	0.00	0.00	1.20	90.80	250.00	80.60	0.00	0.00	0.00	0.00		
10	0.00	0.00	0.00	0.00	0.60	99.80	214.00	47.60	0.00	0.00	0.00	0.00		
11	0.00	0.00	0.00	0.00	0.60	98.60	179.60	37.00	0.00	0.00	0.00	0.00		
12	0.00	0.00	0.00	0.00	0.80	91.40	140.00	38.50	0.00	0.00	0.00	0.00		
13	0.00	0.00	0.00	0.00	0.93	87.20	69.20	50.00	0.00	0.00	0.00	0.00		
14	0.00	0.00	0.00	0.00	1.55	98.00	31.50	53.60	0.00	0.00	0.00	0.00		
15	0.00	0.00	0.00	0.00	5.80	110.00	44.00	53.00	0.00	0.00	0.00	0.00		
16	0.00	0.00	0.00	0.00	12.40	115.40	59.00	40.00	0.00	0.00	0.00	0.00		
17	0.00	0.00	0.00	0.00	22.00	117.20	81.80	30.50	0.00	0.00	0.00	0.00		
18	0.00	0.00	0.00	0.00	26.50	120.20	98.00	27.00	0.00	0.00	0.00	0.00		
19	0.00	0.00	0.00	0.00	17.50	123.80	87.20	0.00	0.00	0.00	0.00	0.00		
20	0.00	0.00	0.00	0.00	33.50	127.40	74.60	0.00	0.00	0.00	0.00	0.00		
21	0.00	0.00	0.00	0.00	40.50	132.20	83.60	0.00	0.00	0.00	0.00	0.00		
22	0.00	0.00	0.00	0.00	39.50	140.60	92.00	0.00	0.00	0.00	0.00	0.00		
23	0.00	0.00	0.00	0.00	36.50	144.20	98.60	0.00	0.00	0.00	0.00	0.00		
24	0.00	0.00	0.00	0.88	32.50	150.80	109.40	0.00	0.00	0.00	0.00	0.00		
25	0.00	0.00	0.00	1.50	26.50	194.80	114.80	0.00	0.00	0.00	0.00	0.00		
26	0.00	0.00	0.00	4.20	14.60	233.20	116.60	0.00	0.00	0.00	0.00	0.00		
27	0.00	0.00	0.00	13.40	5.00	246.00	114.20	0.00	0.00	0.00	0.00	0.00		
28	0.00	0.00	0.00	32.50	2.00	265.20	100.40	0.00	0.00	0.00	0.00	0.00		
29	0.00	0.00	0.00	35.00	3.40	282.80	90.80	0.00	0.00	0.00	0.00	0.00		
30	0.00	0.00	0.00	42.00	5.00	306.80	68.60	0.00	0.00	0.00	0.00	0.00		
31		0.00		40.00	7.20		64.40		0.00	0.00		0.00		
Total	0.00	0.00	0.00	169.48	539.21	3827.00	5070.30	1139.80	0.00	0.00	0.00	0.00	10745.79	CMSDAY
Mean	0.00	0.00	0.00	5.47	17.39	127.57	163.56	37.99	0.00	0.00	0.00	0.00	29.44	CMS
Max	0.00	0.00	0.00	42.00	60.20	306.80	362.50	95.00	0.00	0.00	0.00	0.00	362.50	CMS
Min	0.00	0.00	0.00	0.00	0.60	19.00	31.50	0.00	0.00	0.00	0.00	0.00	0.00	CMS
Runoff	0.00	0.00	0.00	14.64	46.59	330.65	438.07	98.48	0.00	0.00	0.00	0.00	928.44	MCM
Momentary Peak	364.30 CMS. at 118.77 m. (MSL.) at 15.00 Hours , on Oct 3, 2021													
Runoff Yield	8.29 Liters/Second/Square KM.				Momentary Peak Yield 102.59				Liters/Second/Square KM.					

WATER YEAR : 2021**MUN RIVER BASIN****Huai Hin Lap at Ban Khlong Hin Lap, Nakhon Ratchasima (M.183B)**

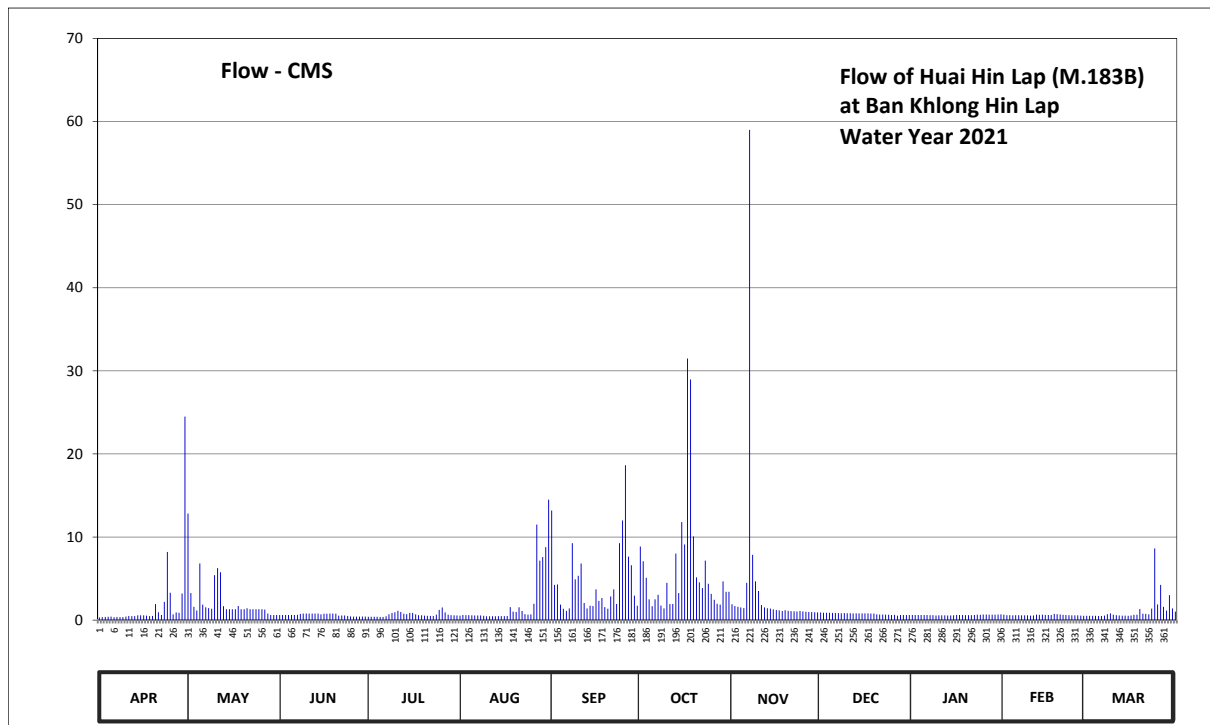
Lat 14 - 43 - 43 N Long 101 - 33 - 51 E

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	Overbank flow starts at elevation +297.200 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 55 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	295.16	297.56	295.31	295.20	295.27	297.59	297.12	295.95	295.46	295.31	295.33	295.26	
2	295.18	296.25	295.31	295.20	295.31	296.44	296.87	295.85	295.44	295.31	295.30	295.26	
3	295.19	295.80	295.31	295.20	295.30	296.45	296.58	295.80	295.44	295.31	295.30	295.26	
4	295.20	295.58	295.31	295.20	295.30	295.93	296.10	295.76	295.44	295.31	295.29	295.26	
5	295.21	296.83	295.31	295.19	295.29	295.68	295.84	295.72	295.43	295.31	295.30	295.25	
6	295.17	295.93	295.31	295.19	295.28	295.56	296.10	296.48	295.43	295.31	295.30	295.25	
7	295.19	295.77	295.32	295.23	295.28	295.70	296.21	300.20	295.42	295.30	295.29	295.27	
8	295.18	295.72	295.37	295.35	295.28	297.17	295.88	296.98	295.41	295.30	295.29	295.36	
9	295.18	295.68	295.39	295.43	295.26	296.55	295.70	296.51	295.42	295.28	295.29	295.40	
10	295.21	296.63	295.39	295.47	295.23	296.62	296.48	296.30	295.41	295.29	295.27	295.33	
11	295.25	296.75	295.39	295.56	295.23	296.83	295.96	295.90	295.41	295.29	295.28	295.30	
12	295.24	296.68	295.39	295.49	295.23	296.01	295.97	295.76	295.40	295.29	295.33	295.28	
13	295.24	295.84	295.39	295.38	295.23	295.70	297.00	295.71	295.40	295.28	295.32	295.27	
14	295.29	295.65	295.39	295.36	295.24	295.87	296.25	295.69	295.40	295.28	295.33	295.27	
15	295.29	295.65	295.35	295.43	295.24	295.85	297.47	295.64	295.40	295.29	295.31	295.26	
16	295.29	295.65	295.38	295.43	295.24	296.34	297.15	295.61	295.40	295.31	295.31	295.28	
17	295.27	295.65	295.38	295.35	295.25	296.06	298.81	295.59	295.40	295.31	295.31	295.32	
18	295.24	295.85	295.39	295.30	295.78	296.13	298.67	295.55	295.39	295.31	295.37	295.33	
19	295.25	295.65	295.39	295.29	295.51	295.78	297.27	295.60	295.39	295.30	295.36	295.66	
20	295.96	295.65	295.38	295.27	295.49	295.68	296.59	295.56	295.35	295.30	295.34	295.38	
21	295.47	295.71	295.27	295.26	295.77	296.17	296.49	295.54	295.34	295.30	295.32	295.37	
22	295.31	295.65	295.28	295.25	295.55	296.34	296.37	295.53	295.34	295.31	295.31	295.35	
23	296.04	295.65	295.28	295.25	295.36	295.97	296.88	295.52	295.33	295.33	295.30	295.69	
24	297.03	295.65	295.25	295.33	295.33	297.17	296.46	295.55	295.33	295.32	295.29	297.09	
25	296.26	295.65	295.22	295.62	295.35	297.49	296.23	295.52	295.31	295.34	295.29	295.94	
26	295.35	295.65	295.21	295.76	295.98	298.01	296.09	295.50	295.32	295.34	295.29	296.44	
27	295.46	295.63	295.21	295.46	297.44	296.95	295.98	295.49	295.27	295.33	295.27	295.80	
28	295.44	295.39	295.21	295.33	296.88	296.80	295.93	295.48	295.31	295.33	295.26	295.58	
29	296.24	295.31	295.21	295.30	296.94	296.19	296.51	295.47	295.31	295.33		296.20	
30	298.40	295.31	295.21	295.29	297.11	295.87	296.28	295.46	295.31	295.34		295.70	
31		295.31		295.28	297.70		296.28		295.31	295.35		295.51	
Mean	295.54	295.86	295.32	295.34	295.67	296.36	296.57	295.91	295.38	295.31	295.31	295.51	
Max	298.40	297.56	295.39	295.76	297.70	298.01	298.81	300.20	295.46	295.35	295.37	297.09	300.20
Min	295.16	295.31	295.21	295.19	295.23	295.56	295.70	295.46	295.27	295.28	295.26	295.25	295.16
Annual Max Momentary Gage Height	301.59		m. (MSL.) ,			at 11.00 Hours, on Nov 7, 2021							
Zero Gage at Bottom Elevation		294.90	m. (MSL.) ,			River Bed	292.58	m. (MSL.)					
Left Bank Elevation		297.28	m. (MSL.) ,										
Right Bank Elevation		297.19	m. (MSL.) ,			Drainage Are	234	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.32	12.82	0.62	0.40	0.54	13.18	8.86	1.90	0.92	0.62	0.66	0.52	
2	0.36	3.25	0.62	0.40	0.62	4.24	7.09	1.70	0.88	0.62	0.60	0.52	
3	0.38	1.60	0.62	0.40	0.60	4.30	5.08	1.60	0.88	0.62	0.60	0.52	
4	0.40	1.16	0.62	0.40	0.60	1.86	2.50	1.52	0.88	0.62	0.58	0.52	
5	0.42	6.81	0.62	0.38	0.58	1.36	1.68	1.44	0.86	0.62	0.60	0.50	
6	0.34	1.86	0.62	0.38	0.56	1.12	2.50	4.48	0.86	0.62	0.60	0.50	
7	0.38	1.54	0.64	0.46	0.56	1.40	3.05	59.00	0.84	0.60	0.58	0.54	
8	0.36	1.44	0.74	0.70	0.56	9.26	1.76	7.86	0.82	0.60	0.58	0.72	
9	0.36	1.36	0.78	0.86	0.52	4.90	1.40	4.66	0.84	0.56	0.58	0.80	
10	0.42	5.41	0.78	0.94	0.46	5.34	4.48	3.50	0.82	0.58	0.54	0.66	
11	0.50	6.25	0.78	1.12	0.46	6.81	1.92	1.80	0.82	0.58	0.56	0.60	
12	0.48	5.76	0.78	0.98	0.46	2.05	1.94	1.52	0.80	0.58	0.66	0.56	
13	0.48	1.68	0.78	0.76	0.46	1.40	8.00	1.42	0.80	0.56	0.64	0.54	
14	0.58	1.30	0.78	0.72	0.48	1.74	3.25	1.38	0.80	0.56	0.66	0.54	
15	0.58	1.30	0.70	0.86	0.48	1.70	11.80	1.28	0.80	0.58	0.62	0.52	
16	0.58	1.30	0.76	0.86	0.48	3.70	9.10	1.22	0.80	0.62	0.62	0.56	
17	0.54	1.30	0.76	0.70	0.50	2.30	31.48	1.18	0.80	0.62	0.62	0.64	
18	0.48	1.70	0.78	0.60	1.56	2.65	28.96	1.10	0.78	0.62	0.74	0.66	
19	0.50	1.30	0.78	0.58	1.02	1.56	10.06	1.20	0.78	0.60	0.72	1.32	
20	1.92	1.30	0.76	0.54	0.98	1.36	5.14	1.12	0.70	0.60	0.68	0.76	
21	0.94	1.42	0.54	0.52	1.54	2.85	4.54	1.08	0.68	0.60	0.64	0.74	
22	0.62	1.30	0.56	0.50	1.10	3.70	3.85	1.06	0.68	0.62	0.62	0.70	
23	2.20	1.30	0.56	0.50	0.72	1.94	7.16	1.04	0.66	0.66	0.60	1.38	
24	8.21	1.30	0.50	0.66	0.66	9.26	4.36	1.10	0.66	0.64	0.58	8.63	
25	3.30	1.30	0.44	1.24	0.70	12.00	3.15	1.04	0.62	0.68	0.58	1.88	
26	0.70	1.30	0.42	1.52	1.96	18.64	2.45	1.00	0.64	0.68	0.58	4.24	
27	0.92	1.26	0.42	0.92	11.50	7.65	1.96	0.98	0.54	0.66	0.54	1.60	
28	0.88	0.78	0.42	0.66	7.16	6.60	1.86	0.96	0.62	0.66	0.52	1.16	
29	3.20	0.62	0.42	0.60	7.58	2.95	4.66	0.94	0.62	0.66		3.00	
30	24.50	0.62	0.42	0.58	8.78	1.74	3.40	0.92	0.62	0.68		1.40	
31		0.62		0.56	14.50		3.40		0.62	0.70		1.02	
Total	55.85	72.26	19.02	21.30	68.68	139.56	190.84	111.00	23.44	19.22	17.10	38.25	776.52 CMSDAY
Mean	1.86	2.33	0.63	0.69	2.22	4.65	6.16	3.70	0.76	0.62	0.61	1.23	2.13 CMS
Max	24.50	12.82	0.78	1.52	14.50	18.64	31.48	59.00	0.92	0.70	0.74	8.63	59.00 CMS
Min	0.32	0.62	0.42	0.38	0.46	1.12	1.40	0.92	0.54	0.56	0.52	0.50	0.32 CMS
Runoff	4.83	6.24	1.64	1.84	5.93	12.06	16.49	9.59	2.03	1.66	1.48	3.30	67.09 MCM
Momentary Peak	102.60 CMS. at 301.59 m. (MSL.) at 11.00 Hours , on Nov 7, 2021												
Runoff Yield	9.09	Liters/Second/Square KM.			Momentary Peak Yield			438.46	Liters/Second/Square KM.				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.60	36.00	33.60	0.80	20.80	62.80	168.20	170.00	23.80	4.60	12.00	5.00	
2	4.40	42.60	29.90	0.50	14.00	67.00	177.50	167.30	20.20	5.40	12.00	4.60	
3	4.00	50.40	23.80	0.30	10.80	67.80	182.00	164.60	18.00	5.80	11.20	4.60	
4	4.00	58.60	22.60	0.20	8.40	68.20	182.00	161.90	17.00	6.80	11.20	5.00	
5	4.40	67.40	20.20	0.10	6.40	67.40	180.50	159.20	16.50	7.20	12.40	5.60	
6	5.20	70.60	18.00	0.00	5.80	68.20	179.00	156.50	16.00	7.60	12.80	5.80	
7	8.00	72.50	17.00	0.00	5.20	77.50	176.00	153.80	15.50	8.00	12.00	5.80	
8	12.80	73.00	17.50	0.20	4.40	86.00	174.50	150.60	13.60	12.00	12.80	5.60	
9	18.50	72.00	17.00	0.30	4.40	86.00	171.50	147.10	12.80	8.40	13.60	7.60	
10	22.60	71.00	15.50	1.70	3.00	90.00	168.20	142.90	12.80	6.00	12.00	10.00	
11	24.40	70.20	14.00	29.90	2.60	94.00	168.20	139.40	11.60	5.40	9.20	18.50	
12	27.10	68.60	13.20	41.30	1.90	99.50	177.50	136.20	10.80	5.40	8.80	25.00	
13	27.80	67.00	12.00	49.10	1.40	103.00	182.00	133.80	8.80	5.00	8.00	26.40	
14	29.20	57.20	10.40	51.70	1.00	106.00	182.00	132.00	5.80	4.60	8.00	27.10	
15	31.30	42.60	8.00	50.40	1.00	109.00	180.50	130.20	5.00	4.60	7.60	25.70	
16	33.60	33.60	7.20	46.50	0.90	112.50	179.00	127.20	9.20	4.40	8.00	23.20	
17	33.60	27.10	8.40	42.60	0.90	116.00	176.00	123.50	10.80	4.20	7.60	22.60	
18	30.60	18.00	8.00	41.30	0.90	120.50	174.50	120.00	8.80	4.20	6.40	21.40	
19	26.40	24.40	5.80	43.90	2.60	124.50	171.50	115.00	7.60	4.20	6.80	22.00	
20	22.60	27.80	4.80	46.50	5.20	128.40	168.20	103.50	7.60	4.20	8.40	24.40	
21	23.80	27.10	4.40	49.10	7.60	133.80	149.90	88.00	6.00	4.20	9.20	25.70	
22	27.10	27.80	3.60	45.20	11.60	141.50	152.90	76.50	5.60	4.00	9.60	29.90	
23	29.20	27.80	3.40	25.70	13.60	145.70	158.30	69.80	5.80	4.00	9.20	32.80	
24	28.50	24.40	2.80	19.60	16.50	148.50	162.80	62.80	5.80	3.80	8.80	33.60	
25	27.10	17.50	2.40	19.60	19.00	157.40	167.30	54.40	5.80	3.60	8.40	32.00	
26	25.00	18.50	2.00	19.00	21.40	159.20	170.00	46.50	6.00	3.60	7.60	30.60	
27	25.00	23.80	1.80	26.40	24.40	161.00	173.00	41.30	6.40	5.60	6.80	27.80	
28	24.40	30.60	1.60	34.40	32.00	161.90	174.50	35.20	7.20	5.80	5.60	28.50	
29	23.80	34.40	1.30	36.00	42.60	162.80	180.50	31.30	7.60	4.60		27.80	
30	28.50	33.60	1.10	32.80	51.70	163.70	177.50	27.10	6.80	8.40		25.70	
31		33.60		28.50									

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	151.70	152.21	153.41	151.63	151.09	151.44	158.26	158.04	153.36	152.90	152.70	152.81	
2	151.65	153.05	153.48	151.39	151.06	151.56	158.21	157.97	153.29	152.89	152.68	152.82	
3	151.61	153.21	153.38	151.22	151.02	151.67	158.18	157.92	153.24	152.88	152.67	152.83	
4	151.60	153.06	153.22	151.04	150.97	151.77	158.14	157.85	153.20	152.88	152.67	152.84	
5	151.62	153.05	153.03	150.94	150.98	151.82	158.10	157.79	153.14	152.88	152.68	152.83	
6	151.63	153.41	152.92	150.87	150.96	151.97	158.07	157.75	153.05	152.88	152.67	152.82	
7	151.60	153.37	152.90	150.82	150.86	152.27	158.03	157.66	153.00	152.88	152.66	152.81	
8	151.62	153.36	152.88	150.75	150.74	152.78	157.97	157.58	153.00	152.88	152.64	152.84	
9	151.66	153.38	152.83	150.72	150.66	153.76	157.92	157.49	153.00	152.86	152.62	152.83	
10	151.66	153.31	152.77	150.70	150.60	154.40	157.84	157.36	153.00	152.87	152.60	152.82	
11	151.66	153.27	152.72	150.69	150.60	154.80	157.76	157.20	152.99	152.87	152.58	152.82	
12	151.66	153.10	152.76	150.68	150.60	155.18	157.68	156.94	152.96	152.87	152.57	152.81	
13	151.65	152.95	152.74	150.69	150.63	155.38	157.64	156.71	152.95	152.87	152.68	152.80	
14	151.65	152.93	152.68	150.81	150.70	155.45	157.51	156.46	152.94	152.88	152.94	152.79	
15	151.70	152.97	152.62	150.89	150.69	155.58	157.36	156.23	152.94	152.88	152.90	152.77	
16	151.77	153.00	152.54	150.87	150.64	155.70	157.21	155.87	152.94	152.88	152.88	152.76	
17	151.81	152.99	152.50	150.78	150.60	155.61	157.25	155.54	152.94	152.87	152.86	152.74	
18	151.82	152.96	152.49	150.81	150.71	155.54	157.42	155.27	152.94	152.86	152.86	152.74	
19	151.85	152.93	152.46	150.74	150.90	155.60	157.60	154.82	152.93	152.86	152.86	152.74	
20	151.86	152.90	152.41	150.63	150.94	155.80	157.82	154.49	152.92	152.86	152.87	152.74	
21	151.86	152.90	152.33	150.62	151.08	156.23	158.09	154.20	152.92	152.86	152.90	152.75	
22	151.86	152.92	152.25	150.64	151.14	156.61	158.40	154.06	152.91	152.85	152.90	152.75	
23	151.86	152.96	152.18	150.62	151.15	156.91	158.52	153.93	152.90	152.84	152.90	152.75	
24	151.86	152.96	152.06	150.63	151.17	157.21	158.51	153.89	152.90	152.83	152.89	152.76	
25	151.86	152.95	151.99	150.77	151.15	157.49	158.46	153.82	152.90	152.82	152.88	152.78	
26	151.86	152.91	152.09	151.02	151.16	157.70	158.38	153.62	152.90	152.81	152.85	152.78	
27	151.85	153.00	152.07	151.18	151.14	157.94	158.34	153.53	152.90	152.81	152.83	152.78	
28	151.85	153.25	151.96	151.27	151.13	158.17	158.27	153.50	152.90	152.79	152.80	152.79	
29	151.86	153.29	151.87	151.24	151.21	158.28	158.22	153.47	152.90	152.77		152.82	
30	151.89	153.31	151.80	151.20	151.29	158.30	158.17	153.42	152.90	152.75		152.93	
31		153.35		151.17	151.36		158.10		152.90	152.72		153.15	
Mean	151.75	153.07	152.58	150.90	150.93	155.10	157.98	155.81	152.99	152.85	152.77	152.81	
Max	151.89	153.41	153.48	151.63	151.36	158.30	158.52	158.04	153.36	152.90	152.94	153.15	158.52
Min	151.60	152.21	151.80	150.62	150.60	151.44	157.21	153.42	152.90	152.72	152.57	152.74	150.60
Annual Max Momentary Gage Height		158.52	m. (MSL.) ,		at 06.00 Hours, on Oct 23, 2021								
Zero Gage at Bottom Elevation			150.40	m. (MSL.) ,		River Bed	151.37	m. (MSL.)					
Left Bank Elevation		158.31	m. (MSL.) ,										
Right Bank Elevation		158.24	m. (MSL.) ,		Drainage Are	5,020	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.91	16.20	0.62	0.35	0.52	225.00	173.20	15.20	0.00	0.00	0.00	
2	0.00	9.00	17.60	0.50	0.33	0.58	212.50	160.10	13.80	0.00	0.00	0.00	
3	0.00	12.20	15.60	0.41	0.31	0.64	205.40	153.60	12.80	0.00	0.00	0.00	
4	0.00	9.20	12.40	0.32	0.29	0.69	196.20	145.00	12.00	0.00	0.00	0.00	
5	0.00	9.00	8.60	0.27	0.29	0.71	187.00	138.20	10.80	0.00	0.00	0.00	
6	0.00	16.20	6.40	0.24	0.28	0.79	180.10	135.00	9.00	0.00	0.00	0.00	
7	0.00	15.40	6.00	0.21	0.23	0.94	170.90	127.80	8.00	0.00	0.00	0.00	
8	0.00	15.20	5.60	0.18	0.17	3.80	160.10	121.80	8.00	0.00	0.00	0.00	
9	0.00	15.60	4.60	0.16	0.13	23.20	153.60	116.40	8.00	0.00	0.00	0.00	
10	0.00	14.20	3.70	0.15	0.10	36.00	143.80	109.40	8.00	0.00	0.00	0.00	
11	0.00	13.40	3.20	0.15	0.10	45.10	135.80	103.00	7.80	0.00	0.00	0.00	
12	0.00	10.00	3.60	0.14	0.10	53.84	129.40	95.85	7.20	0.00	0.00	0.00	
13	0.00	7.00	3.40	0.15	0.12	58.44	126.20	89.53	7.00	0.00	0.00	0.00	
14	0.00	6.60	2.80	0.21	0.15	60.05	117.60	83.28	6.80	0.00	0.00	0.00	
15	0.00	7.40	2.20	0.25	0.15	63.04	109.40	77.99	6.80	0.00	0.00	0.00	
16	0.00	8.00	1.70	0.24	0.12	65.80	103.40	69.71	6.80	0.00	0.00	0.00	
17	0.00	7.80	1.50	0.19	0.10	63.73	105.00	62.12	6.80	0.00	0.00	0.00	
18	0.00	7.20	1.45	0.21	0.16	62.12	112.20	55.91	6.80	0.00	0.00	0.00	
19	0.00	6.60	1.30	0.17	0.25	63.50	123.00	45.56	6.60	0.00	0.00	0.00	
20	0.00	6.00	1.05	0.12	0.27	68.10	141.40	38.03	6.40	0.00	0.00	0.00	
21	0.00	6.00	0.97	0.11	0.34	77.99	184.70	32.00	6.40	0.00	0.00	0.00	
22	0.00	6.40	0.93	0.12	0.37	86.78	260.00	29.20	6.20	0.00	0.00	0.00	
23	0.00	7.20	0.89	0.11	0.38	95.03	296.00	26.60	6.00	0.00	0.00	0.00	
24	0.00	7.20	0.83	0.12	0.39	103.40	293.00	25.80	6.00	0.00	0.00	0.00	
25	0.00	7.00	0.80	0.19	0.38	116.40	278.00	24.40	6.00	0.00	0.00	0.00	
26	0.00	6.20	0.85	0.31	0.38	131.00	255.00	20.40	6.00	0.00	0.00	0.00	
27	0.00	8.00	0.84	0.39	0.37	156.20	245.00	18.60	6.00	0.00	0.00	0.00	
28	0.00	13.00	0.78	0.44	0.37	203.10	227.50	18.00	6.00	0.00	0.00	0.00	
29	0.00	13.80	0.74	0.42	0.41	230.00	215.00	17.40	6.00	0.00	0.00	0.00	
30	0.00	14.20	0.70	0.40	0.45	235.00	203.10	16.40	6.00	0.00	0.00	0.00	
31		15.00		0.39	0.48		187.00		6.00	0.00	0.00	0.00	
Total	0.00	300.91	127.23	7.89	8.32	2106.49							

WATER YEAR : 2021**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.

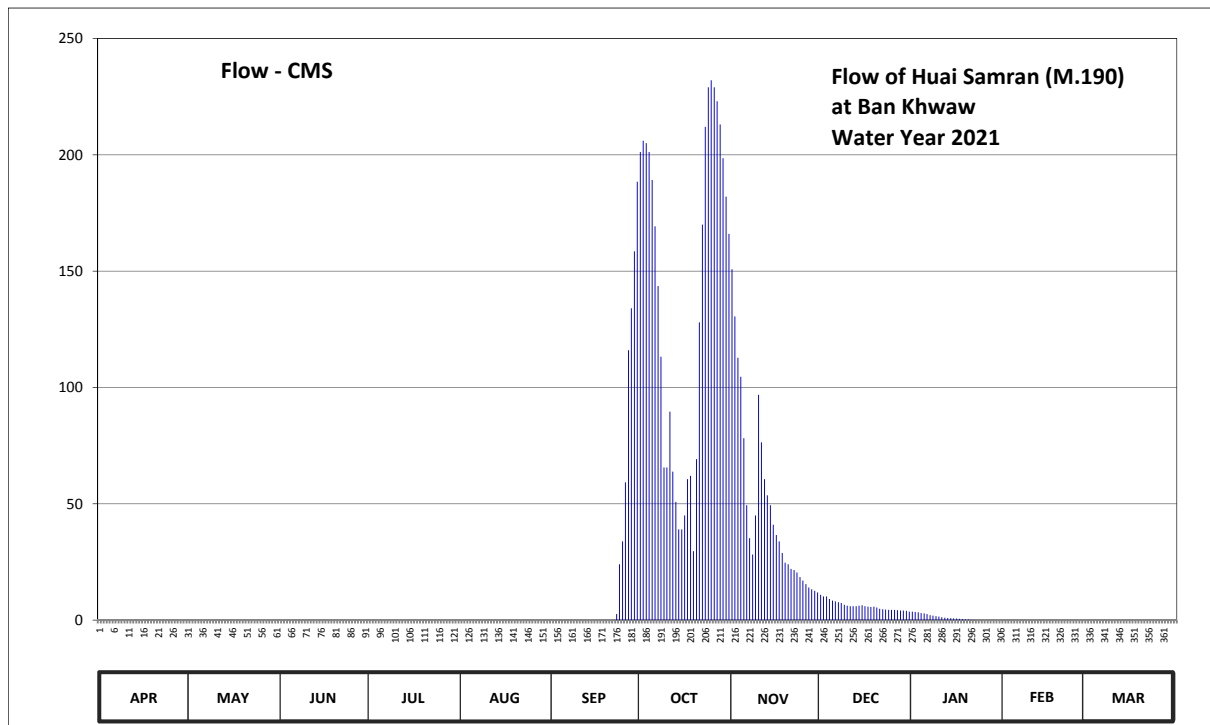
	Ban	Non Koy	Amphoe	Chakkarat	Changwat	Nakhon Ratchasima
Drainage Area	1,293	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+158.300 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the gage site.				Elevation	+163.112 m. (MSL.)
Gage Reading Frequency	Recording.					
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	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 25 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	159.63	161.33	159.69	158.84	159.55	159.77	162.11	160.57	158.88	160.40	160.71	160.47	
2	159.62	161.31	159.65	158.81	160.30	159.71	161.83	160.49	158.85	160.46	160.71	160.45	
3	159.61	160.27	159.57	158.78	160.42	159.82	161.55	160.43	158.81	160.54	160.70	160.44	
4	159.70	160.15	159.47	158.74	160.49	159.76	161.27	160.33	158.79	160.60	160.70	160.42	
5	160.12	159.90	159.37	158.72	160.55	159.71	161.01	160.26	158.79	160.65	160.69	160.41	
6	160.61	159.82	159.30	158.70	160.61	159.71	160.74	160.15	158.85	160.66	160.68	160.40	
7	160.87	159.79	159.23	158.69	160.66	159.66	160.51	160.05	158.84	160.66	160.67	160.39	
8	160.95	159.80	159.08	158.69	160.70	159.77	160.34	159.95	158.81	160.66	160.67	160.38	
9	160.98	159.79	159.03	158.69	160.72	160.00	160.20	159.86	158.93	160.66	160.66	160.37	
10	160.99	159.74	159.00	158.70	160.73	160.30	160.04	159.76	159.01	160.65	160.65	160.35	
11	161.00	159.69	158.99	158.74	160.72	160.55	159.91	159.67	159.08	160.65	160.63	160.34	
12	160.99	159.50	159.06	158.86	160.65	160.69	159.86	159.83	159.14	160.64	160.62	160.33	
13	160.99	159.57	159.19	159.10	160.57	160.59	159.77	159.89	159.17	160.64	160.61	160.32	
14	160.98	159.52	159.17	159.36	160.49	160.51	159.78	159.65	159.20	160.63	160.61	160.31	
15	160.97	159.41	159.15	159.53	160.40	160.49	159.85	159.87	159.20	160.63	160.61	160.30	
16	160.96	159.34	159.10	159.63	160.33	160.60	159.98	159.58	159.20	160.63	160.60	160.29	
17	160.95	159.30	159.09	159.71	160.32	160.75	160.34	159.33	159.23	160.63	160.59	160.30	
18	160.94	159.25	159.06	159.78	160.32	160.98	160.81	159.26	159.35	160.63	160.59	160.30	
19	160.95	159.37	159.02	159.82	160.37	161.15	161.02	159.38	159.51	160.63	160.58	160.31	
20	160.96	159.26	159.02	159.83	160.38	161.29	161.26	159.21	159.65	160.63	160.57	160.31	
21	160.98	159.19	159.00	159.78	160.38	161.35	161.55	159.16	159.71	160.62	160.56	160.30	
22	160.98	159.16	159.00	159.70	160.39	161.41	161.65	159.11	159.75	160.63	160.55	160.31	
23	160.96	159.13	158.99	159.62	160.40	161.42	161.61	158.99	159.79	160.63	160.54	160.31	
24	160.97	159.12	158.99	159.52	160.43	161.35	161.49	159.01	159.85	160.64	160.53	160.31	
25	160.97	159.12	158.95	159.42	160.45	161.98	161.36	158.96	159.93	160.68	160.51	160.30	
26	160.96	159.19	158.88	159.28	160.50	162.89	161.24	158.95	160.03	160.71	160.50	160.30	
27	160.96	159.26	158.88	159.26	160.53	162.72	161.11	158.93	160.11	160.72	160.49	160.28	
28	160.97	159.29	158.88	159.15	160.56	162.73	160.97	159.09	160.22	160.72	160.48	160.36	
29	161.03	159.41	158.87	159.09	160.58	162.60	160.87	159.12	160.30	160.72		160.39	
30	161.20	159.54	158.86	159.08	160.21	162.38	160.77	158.91	160.35	160.72		160.39	
31		159.47		159.07	159.86		160.68		160.37	160.71		160.40	
Mean	160.76	159.61	159.12	159.18	160.44	160.89	160.82	159.59	159.41	160.64	160.61	160.35	
Max	161.20	161.33	159.69	159.83	160.73	162.89	162.11	160.57	160.37	160.72	160.71	160.47	162.89
Min	159.61	159.12	158.86	158.69	159.55	159.66	159.77	158.91	158.79	160.40	160.48	160.28	158.69
Annual Max Momentary Gage Height	163.00		m. (MSL.) ,				at 05.00 Hours, on Sep 26, 2021						
Zero Gage at Bottom Elevation		158.30		m. (MSL.) ,		River Bed	158.44		m. (MSL.)				
Left Bank Elevation		163.18		m. (MSL.) ,									
Right Bank Elevation		163.14		m. (MSL.) ,		Drainage Are	1,293		Square Kilometers				

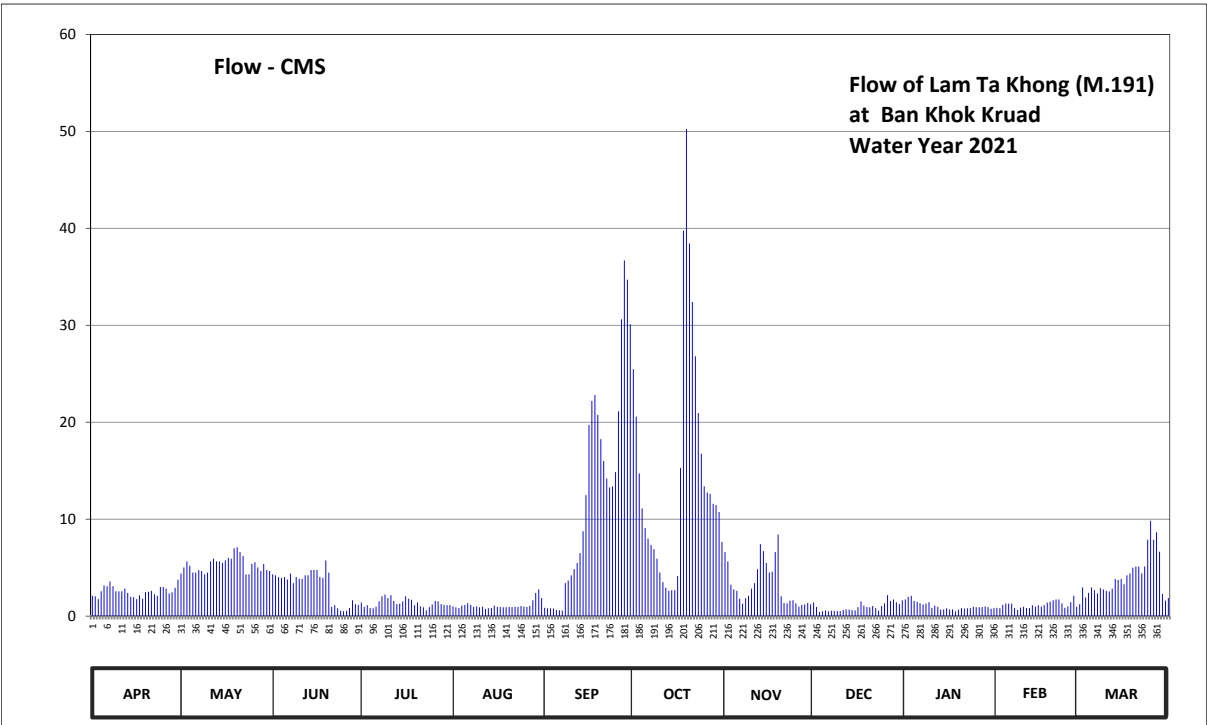
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.35	0.01	0.28	0.39	73.58	31.35	0.22	1.00	0.00	0.00	
2	0.00	0.00	0.33	0.00	0.80	0.36	65.74	29.35	0.14	1.12	0.00	0.00	
3	0.00	0.00	0.29	0.00	1.04	12.68	57.90	27.85	0.03	1.28	0.00	0.00	
4	0.00	0.00	0.24	0.00	1.18	11.24	50.06	25.35	0.00	1.40	0.00	0.00	
5	0.00	0.00	0.19	0.00	1.30	10.04	42.97	23.60	0.00	1.50	0.00	0.00	
6	0.00	0.00	0.15	0.00	1.42	10.04	35.74	20.85	0.01	1.52	0.00	0.00	
7	0.00	0.40	0.12	0.00	1.52	8.84	29.85	18.35	0.01	0.00	0.00	0.00	
8	0.00	0.40	0.07	0.00	1.60	11.48	25.60	15.85	0.00	0.00	0.00	0.00	
9	0.00	0.40	0.06	0.00	1.64	17.10	22.10	13.64	0.03	0.00	0.00	0.00	
10	0.00	0.37	0.05	0.00	1.66	24.60	18.10	11.24	0.05	0.00	0.00	0.00	
11	0.00	0.35	0.05	0.00	1.64	30.85	14.85	9.08	0.07	0.00	0.00	0.00	
12	0.00	0.25	0.07	0.02	1.50	34.44	13.64	12.92	0.09	0.00	0.00	0.00	
13	0.00	0.29	0.10	0.08	1.34	31.85	11.48	14.36	0.09	0.00	0.00	0.00	
14	0.00	0.26	0.09	0.18	1.18	29.85	11.72	8.60	0.10	0.00	0.00	0.00	
15	0.00	0.21	0.09	0.27	1.00	29.35	13.40	13.88	0.10	0.00	0.00	0.00	
16	0.00	0.17	0.08	0.32	0.86	32.10	16.60	6.92	0.10	0.00	0.00	0.00	
17	0.00	0.15	0.07	0.36	0.84	36.00	25.60	1.88	0.12	0.00	0.00	0.00	
18	0.00	0.13	0.07	0.39	0.84	42.16	37.57	1.29	0.18	0.00	0.00	0.00	
19	0.00	0.19	0.06	0.41	0.94	46.75	43.24	2.68	0.26	0.00	0.00	0.00	
20	0.00	0.13	0.06	0.42	0.96	50.62	49.78	1.15	0.33	0.00	0.00	0.00	
21	0.00	0.10	0.05	0.39	0.96	52.30	57.90	1.01	0.36	0.00	0.00	0.00	
22	0.00	0.09	0.05	0.35	0.98	53.98	60.70	0.87	0.38	0.00	0.00	0.00	
23	0.00	0.08	0.05	0.31	1.00	54.26	59.58	0.53	0.40	0.00	0.00	0.00	
24	0.00	0.08	0.05	0.26	1.06	52.30	56.22	0.59	0.43	0.00	0.00	0.00	
25	0.00	0.08	0.04	0.21	1.10	69.94	52.58	0.45	0.47	0.00	0.00	0.00	
26	0.00	0.10	0.02	0.14	1.20	95.70	49.22	0.42	0.52	0.00	0.00	0.00	
27	0.00	0.13	0.02	0.13	1.26	90.68	45.67	0.36	0.56	0.00	0.00	0.00	
28	0.00	0.15	0.02	0.09	1.32	90.97	41.89	0.81	0.64	0.00	0.00	0.00	
29	0.00	0.21	0.02	0.07	1.36	87.30	39.19	0.90	0.80	0.00		0.00	
30	0.00	0.27	0.02	0.07	0.62	81.14	36.52	0.31	0.90	0.00		0.00	
31		0.24		0.07	0.43		34.18		0.94	0.00		0.00	
Total	0.00	5.23	2.93	4.55	34.83	1199.31	1193.17	296.44	8.33	7.82	0.00	0.00	2752.61
Mean	0.00	0.17	0										

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022														
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	122.76	122.34	122.24	122.08	121.78	121.38	127.08	126.43	124.51	124.21	123.64	123.20	
	2	122.73	122.34	122.23	122.08	121.77	121.36	127.13	126.07	124.49	124.20	123.63	123.18	
	3	122.71	122.34	122.21	122.07	121.75	121.34	127.12	125.67	124.49	124.19	123.62	123.16	
	4	122.69	122.34	122.20	122.05	121.74	121.35	127.08	125.42	124.46	124.17	123.61	123.14	
	5	122.68	122.34	122.18	122.04	121.73	121.34	126.94	125.29	124.44	124.16	123.59	123.13	
	6	122.65	122.34	122.17	122.03	121.72	121.32	126.69	125.11	124.43	124.14	123.57	123.11	
	7	122.62	122.33	122.19	122.02	121.70	121.30	126.31	124.96	124.42	124.11	123.55	123.09	
	8	122.60	122.33	122.21	122.01	121.69	121.28	125.68	124.86	124.41	124.09	123.54	123.07	
	9	122.60	122.33	122.21	122.00	121.67	121.28	125.22	125.07	124.38	124.07	123.52	123.05	
	10	122.58	122.33	122.23	121.98	121.63	121.30	125.22	125.37	124.36	124.05	123.50	123.03	
	11	122.57	122.33	122.23	121.97	121.61	121.30	125.34	125.28	124.35	124.02	123.49	123.01	
	12	122.55	122.33	122.23	121.95	121.59	121.30	125.21	125.19	124.35	124.00	123.47	123.00	
	13	122.54	122.33	122.23	121.95	121.56	121.29	125.12	125.14	124.35	123.98	123.46	122.99	
	14	122.54	122.33	122.23	121.94	121.54	121.28	125.01	125.11	124.36	123.96	123.44	122.98	
	15	122.54	122.33	122.23	121.94	121.55	121.29	125.01	125.03	124.37	123.95	123.43	122.97	
	16	122.52	122.33	122.23	121.93	121.53	121.31	125.07	124.98	124.35	123.93	123.42	122.95	
	17	122.51	122.33	122.23	121.92	121.50	121.31	125.19	124.94	124.34	123.91	123.41	122.93	
	18	122.50	122.33	122.23	121.91	121.48	121.35	125.20	124.87	124.33	123.89	123.40	122.92	
	19	122.49	122.33	122.24	121.90	121.55	121.53	124.88	124.81	124.34	123.87	123.39	122.92	
	20	122.49	122.33	122.24	121.88	121.53	121.75	125.24	124.80	124.32	123.85	123.37	122.90	
	21	122.46	122.33	122.20	121.87	121.50	121.91	126.02	124.76	124.29	123.83	123.35	122.89	
	22	122.44	122.33	122.18	121.86	121.47	122.48	126.70	124.75	124.28	123.81	123.34	122.88	
	23	122.43	122.33	122.17	121.85	121.45	124.14	127.19	124.73	124.27	123.80	123.32	122.88	
	24	122.41	122.33	122.15	121.85	121.49	124.80	127.36	124.69	124.26	123.79	123.29	122.88	
	25	122.41	122.32	122.14	121.87	121.49	124.94	127.39	124.66	124.26	123.78	123.27	122.87	
	26	122.38	122.31	122.12	121.90	121.47	125.18	127.36	124.63	124.26	123.76	123.25	122.87	
	27	122.37	122.30	122.12	121.90	121.47	125.75	127.30	124.60	124.25	123.74	123.23	122.87	
	28	122.34	122.29	122.11	121.88	121.45	126.14	127.20	124.58	124.24	123.73	123.22	122.86	
	29	122.34	122.28	122.09	121.87	121.43	126.55	127.05	124.56	124.24	123.71		122.86	
	30	122.34	122.27	122.09	121.85	121.41	126.93	126.85	124.54	124.23	123.69		122.85	
31		122.27		121.81	121.39		126.65		124.21	123.65		122.84		
Mean	122.53	122.32	122.19	121.94	121.57	122.53	126.22	125.03	124.34	123.94	123.44	122.98		
Max	122.76	122.34	122.24	122.08	121.78	126.93	127.39	126.43	124.51	124.21	123.64	123.20	127.39	
Min	122.34	122.27	122.09	121.81	121.39	121.28	124.88	124.54	124.21	123.65	123.22	122.84	121.28	
Annual Max Momentary Gage Height			127.39	m. (MSL.) , at 08.00 Hours, on Oct 25, 2021										
Zero Gage at Bottom Elevation			119.70	m. (MSL.) , River Bed 120.84 m. (MSL.)										
Left Bank Elevation			129.81	m. (MSL.) ,										
Right Bank Elevation			129.86	m. (MSL.) , Drainage Are 2,371 Square Kilometers										



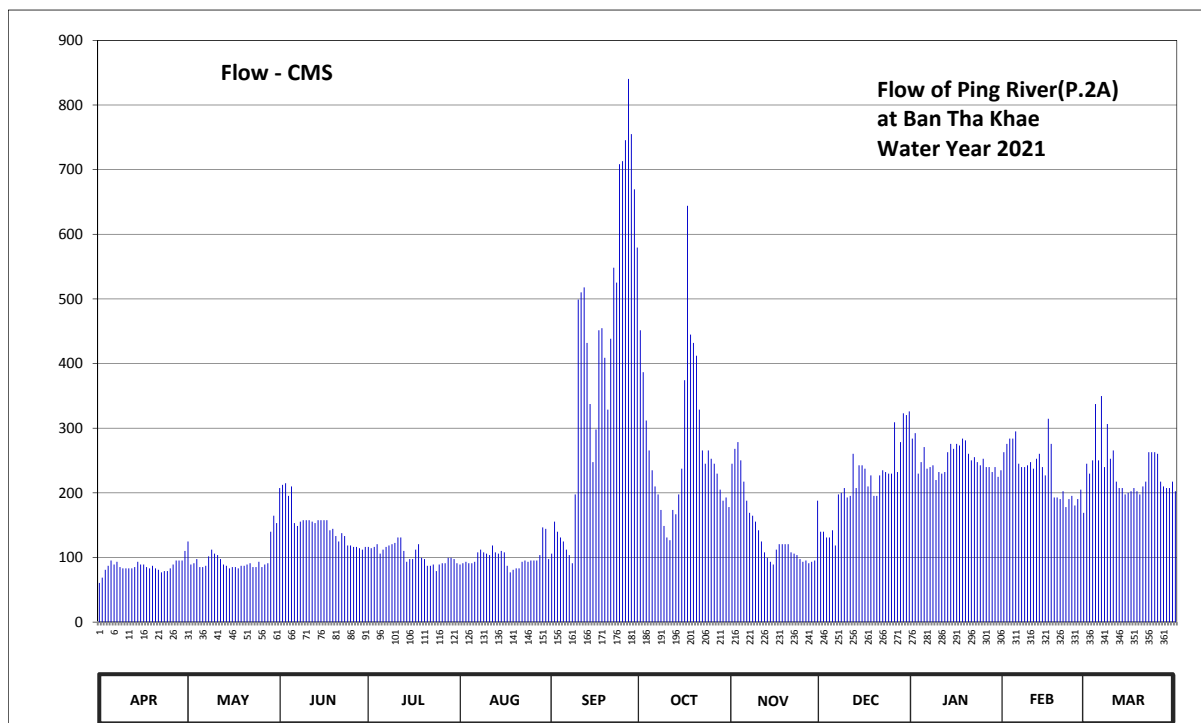
Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	0.00	0.00	201.20	150.80	10.85	3.65	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.00	206.00	130.50	10.15	3.50	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	0.00	205.00	112.80	10.15	3.35	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	0.00	201.20	104.60	9.10	3.05	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.00	189.20	78.20	8.40	2.90	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	0.00	169.20	49.40	8.05	2.60	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	0.00	143.60	35.20	7.70	2.15	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.00	113.20	28.20	7.35	1.90	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	0.00	65.60	45.00	6.60	1.70	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	0.00	65.60	96.80	6.20	1.50	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	0.00	89.60	76.40	6.00	1.20	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	0.00	63.80	60.60	6.00	1.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.00	0.00	50.80	53.60	6.00	0.90	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.00	0.00	39.00	49.40	6.20	0.80	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.00	0.00	39.00	41.00	6.40	0.75	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.00	0.00	45.00	36.60	6.00	0.65	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.00	0.00	60.60	33.80	5.80	0.55	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.00	0.00	62.00	28.90	5.60	0.45	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.00	0.00	29.60	24.70	5.80	0.35	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.00	0.00	69.20	24.00	5.40	0.25	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.00	0.00	128.00	22.00	4.85	0.15	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.00	0.00	170.00	21.50	4.70	0.05	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	2.60	212.00	20.50	4.55	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.00	24.00	229.00	18.50	4.40	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	33.80	232.00	17.00	4.40	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	59.20	229.00	15.50	4.40	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	116.00	223.00	14.00	4.25	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.00	134.00	213.00	13.30	4.10	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	158.50	198.50	12.60	4.10	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	0.00	188.40	182.00	11.90	3.95	0.00	0.00	0.00	
31		0.00		0.00	0.00		166.00		3.65	0.00		0.00	
Total	0.00	0.00	0.00	0.00	0.00	716.50	4290.90	1427.30	191.10	33.40	0.00	0.00	66



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.10	4.39	4.30	1.40	1.00	0.86	25.46	6.60	1.40	1.72	0.86	1.24	
2	2.05	5.02	4.21	0.96	0.90	0.80	20.58	5.65	0.94	1.98	0.82	2.96	
3	1.75	5.65	4.03	1.12	0.84	0.80	14.72	3.24	0.43	2.10	1.16	1.92	
4	2.55	5.20	3.94	0.84	1.08	0.78	11.10	2.76	0.49	1.56	1.28	2.40	
5	3.16	4.48	4.03	0.80	1.16	0.62	9.08	2.60	0.57	1.48	1.28	2.96	
6	3.08	4.48	3.76	0.98	1.32	0.59	7.98	1.80	0.50	1.32	1.28	2.68	
7	3.58	4.75	4.39	1.52	1.16	0.57	7.32	1.28	0.54	1.20	0.82	2.34	
8	3.08	4.66	3.40	2.04	0.96	3.40	6.90	1.85	0.53	1.28	0.62	2.89	
9	2.55	4.30	4.03	2.22	1.00	3.67	5.92	2.10	0.53	1.44	0.88	2.75	
10	2.55	4.48	3.85	1.86	0.90	4.21	4.48	2.84	0.52	0.86	0.96	2.61	
11	2.55	5.65	3.85	2.16	0.98	4.84	3.49	3.40	0.64	1.08	0.84	2.54	
12	2.84	5.92	4.21	1.56	0.74	5.47	2.92	4.84	0.70	0.96	0.82	2.82	
13	2.40	5.65	4.21	1.24	0.80	6.50	2.60	7.43	0.68	0.66	1.12	3.82	
14	2.00	5.65	4.75	1.28	0.84	8.75	2.68	6.70	0.62	0.70	0.98	3.73	
15	1.95	5.47	4.75	1.52	1.08	12.48	2.68	5.47	0.60	0.80	1.12	3.82	
16	1.75	5.74	4.75	2.04	0.96	19.72	4.12	4.48	0.92	0.68	0.98	3.28	
17	2.15	6.01	4.03	1.80	0.94	22.20	15.28	4.57	1.52	0.70	1.12	4.20	
18	1.80	5.92	3.94	1.68	0.90	22.80	39.76	6.60	1.08	0.50	1.40	4.40	
19	2.45	7.00	5.74	1.12	0.92	20.76	50.23	8.42	0.94	0.66	1.48	5.00	
20	2.50	7.10	4.48	1.40	0.94	18.25	38.44	2.04	0.90	0.82	1.64	5.12	
21	2.60	6.60	0.96	1.00	0.92	16.00	32.39	1.36	1.04	0.78	1.72	5.12	
22	2.25	6.20	1.12	0.90	0.96	14.17	26.80	1.32	0.82	0.80	1.72	4.40	
23	2.10	4.30	0.80	0.59	0.94	13.26	20.94	1.60	0.56	0.82	1.32	5.12	
24	3.00	4.30	0.56	0.92	1.04	13.39	16.75	1.64	1.04	0.96	0.86	7.89	
25	3.00	5.38	0.51	1.20	0.98	14.86	13.39	1.32	1.32	0.90	1.00	9.84	
26	2.84	5.56	0.56	1.56	0.94	21.12	12.74	0.98	2.16	0.90	1.44	7.89	
27	2.35	5.02	0.82	1.52	1.04	30.62	12.61	1.16	1.56	0.94	2.10	8.65	
28	2.45	4.66	1.64	1.24	1.64	36.68	11.58	1.20	1.72	1.00	0.96	6.65	
29	2.92	5.38	1.24	1.16	2.40	34.70	11.46	1.36	1.44	0.92		2.28	
30	3.76	4.75	1.16	1.12	2.75	30.10	10.74	1.20	1.24	0.76		1.60	
31		4.66		1.16	1.86		7.65		1.64	0.82		1.86	
Total	76.11	164.33	94.02	41.91	34.89	382.97	452.79	97.81	29.59	32.10	32.58	124.78	1563.88 CMSDAY
Mean	2.54	5.30	3.13	1.35	1.13	12.77	14.61	3.26	0.95	1.04	1.16	4.03	4.28 CMS
Max	3.76	7.10	5.74	2.22	2.75	36.68	50.23	8.42	2.16	2.10	2.10	9.84	50.23 CMS
Min	1.75	4.30	0.51	0.59	0.74	0.57	2.60	0.98	0.43	0.50	0.62	1.24	0.43 CMS
Runoff	6.58	14.20	8.12	3.62	3.01	33.09	39.12	8.45	2.56	2.77	2.81	10.78	135.12 MCM
Momentary Peak	57.94 CMS. at 195.62 m. (MSL.) at 21.00 Hours , on Oct 18, 2021												
Runoff Yield	1.50	Liters/Second/Square KM.		Momentary Peak Yield		20.29	Liters/Second/Square KM.						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.14	11.20	7.00	0.26	28.00	16.20	44.10	39.40	35.50	8.40	5.80	7.70	
2	2.50	10.50	8.40	0.48	21.00	38.10	50.40	85.20	44.10	7.00	6.20	2.83	
3	5.00	9.80	8.40	3.00	44.10	40.70	58.80	63.00	46.20	6.20	2.66	1.77	
4	7.00	5.40	6.20	34.20	30.30	38.10	40.70	50.40	34.20	6.20	2.61	1.77	
5	5.00	6.20	2.78	48.30	19.00	28.00	35.50	56.70	44.10	9.80	2.94	2.05	
6	2.10	9.80	2.50	46.20	48.30	21.00	44.10	38.10	44.10	8.40	9.10	7.70	
7	1.88	6.20	2.50	50.40	50.40	25.00	25.00	44.10	30.30	8.40	7.70	8.40	
8	1.43	4.20	9.10	35.50	29.00	46.20	25.00	40.70	44.10	10.50	10.50	5.00	
9	2.22	10.50	11.20	60.90	40.70	26.00	24.00	32.90	28.00	8.40	7.70	8.40	
10	10.50	9.10	11.90	44.10	40.70	58.80	14.10	34.20	44.10	9.80	2.94	9.10	
11	8.40	11.90	10.50	39.40	40.70	54.60	21.00	29.00	27.00	8.40	7.70	6.60	
12	10.50	10.50	9.10	48.30	48.30	39.40	19.00	34.20	6.60	7.00	9.10	6.20	
13	3.40	11.20	3.40	31.60	32.90	30.30	16.90	39.40	7.00	6.60	6.20	7.70	
14	5.00	3.40	6.60	44.10	31.60	35.50	13.40	38.10	8.40	3.40	7.00	9.10	
15	2.61	2.66	3.80	40.70	24.00	31.60	14.10	38.10	7.70	2.89	5.80	6.60	
16	3.40	3.00	3.80	39.40	52.50	52.50	16.90	34.20	4.60	4.60	5.40	4.20	
17	11.20	3.40	10.50	48.30	52.50	85.20	26.00	42.00	9.10	6.60	2.38	1.99	
18	10.50	2.89	9.80	22.00	44.10	54.60	38.10	39.40	8.40	6.60	2.10	1.60	
19	11.20	1.71	7.00	32.90	39.40	56.70	23.00	44.10	5.80	8.40	2.38	1.88	
20	9.80	0.87	7.00	42.00	46.20	54.60	19.00	36.80	5.40	8.40	9.10	4.60	
21	5.40	0.76	7.00	38.10	36.80	31.60	24.00	22.00	6.20	10.50	8.40	6.60	
22	2.89	0.42	4.60	32.90	28.00	56.70	16.90	25.00	7.70	8.40	8.40	7.00	
23	2.33	0.76	4.20	32.90	25.00	54.60	39.40	46.20	9.80	7.00	9.80	5.40	
24	1.88	3.00	2.50	44.10	34.20	85.20	136.00	38.10	9.10	10.50	9.10	1.99	
25	1.60	2.50	1.60	31.60	35.50	56.70	96.30	44.10	7.70	6.60	7.70	1.71	
26	1.82	3.00	0.98	28.00	29.00	60.90	50.40	26.00	5.80	7.70	6.60	1.94	
27	1.04	8.40	1.49	30.30	36.80	106.50	46.20	38.10	6.20	5.80	4.20	7.00	
28	1.60	3.80	2.05	40.70	30.30	114.40	32.90	38.10	6.60	7.00	10.50	7.00	
29	2.89	8.40	1.82	40.70	38.10	106.50	30.30	42.00	7.70	7.00		7.00	
30	6.20	6.60	0.76	34.20	36.80	54.60	28.00	30.30	8.40	4.60		5.40	
31		4.20		44.10	26.00		40.70		9.10	4.60		1.94	
Total	141.43	176.27	168.48	1109.64									



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	60.68	124.72	207.46	116.34	89.17	105.87	451.49	245.06	139.83	283.99	263.01	245.06		
2	68.82	89.17	212.37	114.25	91.20	155.55	386.66	268.14	139.83	292.38	275.84	229.67		
3	81.03	91.20	214.83	116.34	93.30	139.83	311.94	278.40	131.00	229.67	283.99	250.19		
4	87.13	97.49	195.19	120.53	91.20	131.00	265.58	250.19	131.00	247.62	283.99	337.38		
5	95.39	85.10	209.92	105.87	91.20	124.72	234.80	217.28	142.08	270.71	295.17	250.19		
6	89.17	85.10	153.31	112.15	93.30	112.15	209.92	187.82	118.44	237.36	245.06	349.70		
7	93.30	87.13	148.82	116.34	107.96	103.77	197.64	169.02	197.64	239.93	239.93	239.93		
8	85.10	101.68	155.55	118.44	112.15	91.20	173.51	164.53	200.10	242.49	239.93	306.35		
9	83.06	112.15	157.80	120.53	107.96	197.64	148.82	155.55	207.46	219.74	242.49	252.75		
10	83.06	105.87	157.80	122.63	105.87	498.95	131.00	142.08	192.73	232.23	247.62	265.58		
11	83.06	103.77	157.80	131.00	103.77	510.25	126.82	124.72	195.19	229.67	237.36	217.28		
12	83.06	97.49	155.55	131.00	118.44	517.78	173.51	107.96	260.45	232.23	252.75	207.46		
13	85.10	89.17	153.31	110.06	107.96	431.87	166.78	99.58	207.46	263.01	260.45	207.46		
14	93.30	87.13	157.80	93.30	105.87	337.38	197.64	93.30	242.49	275.84	239.93	197.64		
15	89.17	83.06	157.80	97.49	110.06	247.62	237.36	89.17	242.49	268.14	227.10	200.10		
16	89.17	85.10	157.80	97.49	107.96	297.97	374.34	112.15	237.36	275.84	314.74	202.55		
17	85.10	85.10	157.80	112.15	87.13	451.49	644.15	120.53	209.92	273.27	275.84	207.46		
18	83.06	83.06	142.08	120.53	76.96	454.76	444.95	120.53	227.10	283.99	192.73	202.55		
19	87.13	87.13	144.33	99.58	81.03	408.98	431.87	120.53	195.19	281.20	192.73	197.64		
20	83.06	87.13	133.10	97.49	83.06	328.71	412.25	120.53	195.19	260.45	190.28	209.92		
21	81.03	89.17	124.72	87.13	83.06	438.41	328.71	107.96	227.10	250.19	202.55	217.28		
22	76.96	91.20	137.59	87.13	93.30	548.29	265.58	105.87	234.80	255.32	178.00	263.01		
23	78.99	85.10	133.10	89.17	95.39	525.31	245.06	103.77	232.23	247.62	190.28	263.01		
24	78.99	85.10	118.44	78.99	93.30	708.51	265.58	97.49	229.67	242.49	195.19	263.01		
25	83.06	93.30	118.44	89.17	95.39	713.17	252.75	93.30	229.67	252.75	180.46	260.45		
26	89.17	85.10	116.34	91.20	95.39	745.75	245.06	95.39	309.15	239.93	190.28	217.28		
27	95.39	89.17	116.34	91.20	95.39	840.40	229.67	91.20	232.23	239.93	205.01	209.92		
28	95.39	91.20	114.25	99.58	103.77	755.06	205.01	93.30	278.40	232.23	169.02	207.46		
29	95.39	139.83	112.15	99.58	146.57	669.56	187.82	95.39	323.12	239.93		207.46		
30	110.06	164.53	116.34	97.49	144.33	579.45	192.73	187.82	320.33	224.65		217.28		
31		153.31		91.20	97.49		178.00		325.92	234.80		202.55		
Total	2572.38	3034.76	4538.13	3255.35	3108.93	12171.40	8317.00	4258.56	6755.57	7799.60	6511.73	7305.57	69628.98	CMSDAY
Mean	85.75	97.90	151.27	105.01	100.29	405.71	268.29	141.95	217.92	251.60	232.56	235.66	190.76	CMS
Max	110.06	164.53	214.83	131.00	146.57	840.40	644.15	278.40	325.92	292.38	314.74	349.70	840.40	CMS
Min	60.68	83.06	112.15	78.99	76.96	91.20	126.82	89.17	118.44	219.74	169.02	197.64	60.68	CMS
Runoff	222.25	262.20	392.09	281.26	268.61	1051.61	718.59	367.94	583.68	673.89	562.61	631.20	6015.94	MCM
Momentary Peak	854.83 CMS. at 106.43 m. (MSL.) at 07.00 Hours , on Sep 27, 2021													
Runoff Yield	4.95 Liters/Second/Square KM.				Momentary Peak Yield				22.17 Liters/Second/Square KM.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.05	0.09	3.72	0.09	0.50	1.26	21.13	14.60	4.01	0.15	0.10	0.11	
2	0.05	0.41	3.36	0.09	0.50	0.23	20.78	29.84	1.32	0.16	0.10	0.12	
3	0.05	4.01	2.20	0.09	0.50	0.20	20.07	25.04	0.47	0.18	0.10	0.10	
4	0.05	4.23	1.92	0.09	0.50	0.20	22.91	33.57	0.78	0.16	0.10	0.10	
5	0.05	4.23	1.26	0.09	0.50	0.20	7.82	23.26	0.29	0.15	0.10	0.10	
6	0.06	2.13	4.34	0.09	0.50	0.20	5.84	7.64	0.86	0.14	0.10	0.10	
7	0.08	0.09	4.12	0.09	0.50	0.20	4.56	4.56	0.16	0.14	0.11	0.12	
8	0.09	0.09	3.72	0.09	0.50	0.23	4.12	11.25	1.99	0.15	0.14	0.14	
9	0.09	0.09	3.90	0.09	0.50	18.65	2.84	12.80	0.90	0.15	0.14	0.11	
10	0.09	0.09	10.50	0.09	0.50	27.35	1.57	6.74	0.20	0.15	0.13	0.10	
11	0.09	0.09	12.00	0.13	0.50	25.39	1.50	7.64	0.19	0.14	0.10	0.10	
12	0.09	0.09	10.00	0.44	0.50	9.60	1.64	7.10	0.17	0.12	0.10	0.11	
13	0.09	0.09	5.36	0.44	0.50	0.90	1.78	7.10	0.16	0.12	0.10	0.11	
14	0.09	0.09	4.45	0.44	0.50	0.62	1.50	7.10	0.20	0.13	0.10	0.11	
15	0.09	0.09	1.64	0.44	0.54	0.20	1.57	6.74	0.20	0.15	0.10	0.11	
16	0.09	0.09	0.10	0.41	9.80	0.20	2.13	5.84	0.20	0.14	0.10	0.12	
17	0.09	0.09	0.17	0.32	7.46	1.50	2.84	5.48	0.20	0.14	0.10	0.10	
18	0.09	0.09	0.15	0.38	2.84	83.60	20.78	5.00	0.23	0.16	0.10	0.11	
19	0.09	0.09	0.09	0.50	2.84	31.91	10.50	5.24	0.26	0.15	0.10	0.12	
20	0.09	0.09	0.09	0.50	1.99	9.80	3.81	6.38	0.26	0.15	0.11	0.11	
21	0.09	0.09	0.09	0.50	0.23	10.50	2.36	6.56	0.26	0.18	0.10	0.10	
22	0.09	0.09	0.09	0.50	0.20	23.62	2.36	5.48	0.20	0.17	0.10	0.11	
23	0.09	0.09	0.09	0.50	0.20	29.42	2.92	6.92	0.15	0.15	0.10	0.12	
24	0.09	0.09	0.09	0.50	0.20	13.40	31.91	6.08	0.16	0.12	0.10	0.12	
25	0.09	0.09	0.09	0.50	0.29	16.55	77.39	4.89	0.18	0.09	0.10	0.12	
26	0.09	0.41	0.09	0.50	1.08	24.68	109.45	4.89	0.18	0.10	0.10	0.11	
27	0.09	5.72	0.09	0.50	0.82	47.23	57.77	6.74	0.19	0.13	0.10	0.10	
28	0.09	5.96	0.09	0.50	0.41	31.91	14.30	5.72	0.19	0.12	0.10	0.09	
29	0.09	5.96	0.09	0.50	0.20	22.55	11.50	4.89	0.20	0.10	0.10	0.10	
30	0.09	5.48	0.09	0.50	0.35	21.49	12.50	4.45	0.20	0.10	0.10	0.10	
31		3.81		0.50	1.44		13.10		0.18	0.12		0.11	
Total	2.46	44.15	73.99	10.40	37.89	453.79	495.25	289.54	15.14	4.31	2.93	3.38	1433.23
Mean	0.08	1.42	2.47	0.34	1.								

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.27	2.52	1.20	19.78	19.03	15.04	25.48	41.91	4.43	1.52	2.32	1.66	
2	0.25	1.96	1.36	21.68	28.90	10.30	31.19	33.14	3.35	1.64	1.86	2.20	
3	0.26	2.84	1.18	27.76	24.34	8.96	52.03	30.42	4.76	1.84	1.32	2.20	
4	0.36	1.90	1.12	28.52	22.44	8.96	41.48	23.20	3.44	2.22	1.34	1.96	
5	0.32	1.80	1.12	27.76	24.34	13.39	30.80	15.70	1.44	2.30	1.44	1.74	
6	0.50	1.64	1.70	35.96	35.12	13.39	22.44	12.10	2.99	2.18	2.10	1.30	
7	0.68	1.98	2.08	39.33	34.70	12.10	17.55	9.70	4.34	2.14	3.08	1.12	
8	0.86	2.81	0.56	34.70	28.90	16.07	14.05	1.14	4.43	1.90	3.08	2.56	
9	1.66	1.90	1.16	24.34	23.20	30.04	9.18	2.87	4.31	1.58	2.93	2.69	
10	3.20	1.46	0.76	41.05	22.06	35.96	10.60	2.02	4.13	1.28	2.66	2.08	
11	3.29	0.86	0.62	41.05	41.91	45.04	8.52	3.17	3.86	1.12	2.48	2.28	
12	2.66	1.66	0.36	35.96	26.24	38.06	16.07	3.53	3.77	1.02	2.36	2.16	
13	1.52	1.90	0.33	29.66	25.10	28.90	15.70	4.04	4.16	0.92	2.28	2.38	
14	1.98	1.92	0.39	20.16	7.42	56.30	13.39	3.47	4.16	0.82	2.32	2.54	
15	1.78	1.80	0.64	29.28	9.70	78.50	11.50	3.41	3.50	0.72	2.38	2.50	
16	1.66	1.54	0.42	19.40	28.90	73.00	11.20	3.53	3.62	0.66	2.50	2.44	
17	1.18	1.32	0.66	27.38	38.90	70.00	11.50	3.98	3.17	0.98	2.56	2.36	
18	1.78	0.92	0.80	30.80	34.70	58.68	11.50	3.89	2.22	2.06	2.48	2.10	
19	3.50	0.80	0.66	23.20	23.58	39.33	16.81	4.10	3.02	2.63	2.32	1.80	
20	2.06	0.78	0.40	18.29	15.37	27.00	30.42	4.25	2.16	2.36	1.82	1.56	
21	1.64	0.64	0.42	16.07	22.06	20.16	33.14	4.25	2.20	3.77	1.60	1.24	
22	1.98	0.50	0.35	13.72	19.78	20.54	11.50	2.28	2.34	4.07	2.24	1.02	
23	2.54	0.36	0.37	10.60	17.92	30.42	12.40	3.65	2.30	4.10	2.58	1.24	
24	1.68	0.30	0.56	8.96	20.92	35.54	24.34	3.53	2.10	3.56	2.84	1.64	
25	1.50	0.25	2.08	7.64	36.38	29.28	23.20	2.93	1.66	2.84	3.11	2.12	
26	3.02	0.30	2.50	7.00	30.04	37.22	16.81	2.90	1.24	3.56	3.05	2.16	
27	2.99	0.25	2.06	6.60	23.58	50.62	12.73	3.35	1.08	3.86	2.44	2.04	
28	2.90	0.42	1.06	6.00	22.44	57.73	18.66	2.56	1.26	2.38	2.06	2.20	
29	2.72	0.64	0.92	11.20	18.29	49.21	28.52	4.16	1.32	2.60		2.18	
30	2.54	0.56	12.40	36.80	16.44	35.12	33.53	3.98	1.40	2.93		2.14	
31		1.12		16.44	16.44		45.04		1.34	2.52		1.96	
Total	53.28	39.65	40.24	717.09	759.14	1044.86	661.28	243.16	89.50	68.08	65.5		

WATER YEAR : 2021**PING RIVER BASIN****Ping River at Ban Huai Yang , Kamphaeng Phet (P.7A)**

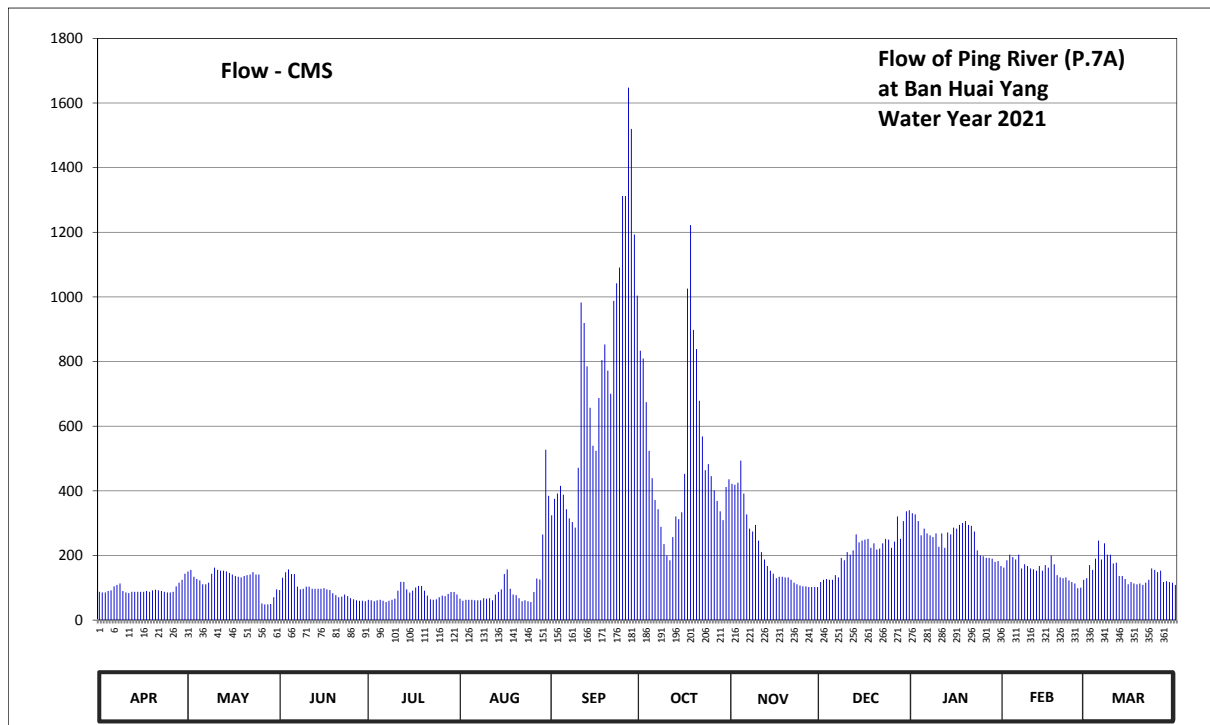
Lat 16 - 28 - 40 N Long 99 - 31 - 05 E

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

	Ban	Huai Yang	Amphoe	Mueang	Changwat	Kamphaeng Phet
Drainage Area	42,328	sq.km.				
Type of Gage	Staff gage.					
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	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 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	Unstable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Flow regulated by Phumiphol Dam reservoir above gage site.					
	Stage-discharge relation defined by 28 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

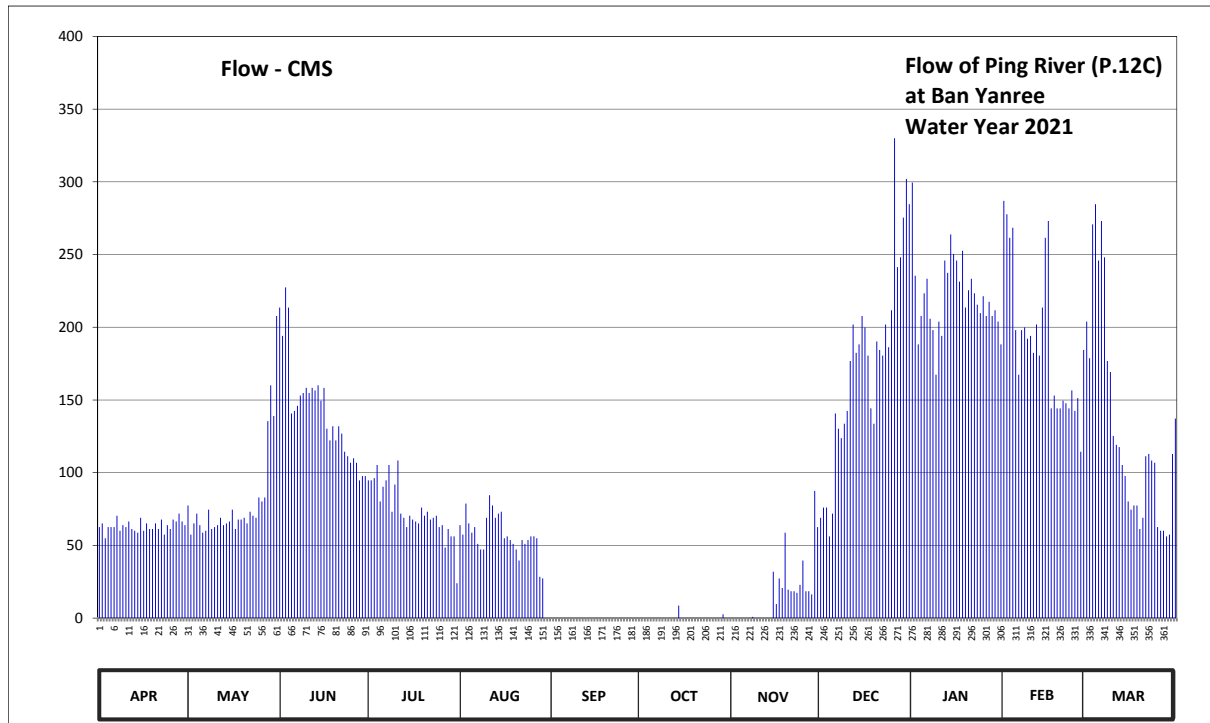
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	71.99	72.27	72.47	72.30	72.32	72.91	74.20	73.21	72.13	72.93	72.32	72.18	
2	71.98	72.29	72.63	72.29	72.28	73.07	74.15	73.20	72.16	72.92	72.41	72.35	
3	71.98	72.20	72.69	72.27	72.30	73.12	73.85	73.22	72.17	72.85	72.48	72.29	
4	72.00	72.17	72.72	72.29	72.30	73.19	73.49	73.41	72.16	72.70	72.45	72.43	
5	72.01	72.15	72.67	72.30	72.30	73.11	73.26	73.12	72.16	72.77	72.42	72.64	
6	72.07	72.10	72.67	72.28	72.29	72.97	73.06	72.92	72.22	72.72	72.48	72.42	
7	72.09	72.10	72.52	72.25	72.29	72.88	72.97	72.77	72.19	72.70	72.31	72.61	
8	72.11	72.12	72.48	72.28	72.29	72.84	72.79	72.74	72.44	72.68	72.36	72.48	
9	72.00	72.24	72.49	72.30	72.33	72.78	72.60	72.81	72.41	72.72	72.34	72.48	
10	71.98	72.32	72.52	72.32	72.32	73.35	72.47	72.64	72.51	72.57	72.31	72.37	
11	71.97	72.29	72.52	72.46	72.33	74.49	72.41	72.51	72.48	72.72	72.30	72.38	
12	71.99	72.28	72.49	72.58	72.29	74.37	72.68	72.42	72.53	72.56	72.28	72.21	
13	71.99	72.28	72.49	72.58	72.40	74.10	72.90	72.34	72.71	72.73	72.34	72.21	
14	71.99	72.27	72.49	72.48	72.44	73.81	72.87	72.28	72.62	72.71	72.28	72.17	
15	71.99	72.25	72.49	72.43	72.48	73.53	72.94	72.24	72.64	72.78	72.35	72.10	
16	71.99	72.23	72.50	72.46	72.67	73.49	73.30	72.18	72.65	72.77	72.32	72.13	
17	72.00	72.21	72.48	72.51	72.72	73.88	74.57	72.20	72.66	72.81	72.47	72.11	
18	71.99	72.20	72.47	72.53	72.49	74.14	74.92	72.20	72.56	72.83	72.36	72.10	
19	72.01	72.19	72.42	72.53	72.40	74.24	74.33	72.19	72.61	72.85	72.22	72.11	
20	72.02	72.21	72.39	72.46	72.39	74.07	74.21	72.19	72.54	72.81	72.19	72.09	
21	72.01	72.22	72.35	72.38	72.33	73.91	73.86	72.16	72.55	72.80	72.18	72.12	
22	72.00	72.23	72.36	72.31	72.27	74.50	73.60	72.12	72.61	72.74	72.19	72.16	
23	71.99	72.26	72.40	72.30	72.29	74.60	73.33	72.10	72.66	72.53	72.15	72.31	
24	71.98	72.23	72.37	72.31	72.27	74.69	73.38	72.08	72.65	72.47	72.13	72.29	
25	71.98	72.23	72.33	72.35	72.25	75.07	73.28	72.07	72.56	72.46	72.11	72.26	
26	71.99	72.22	72.31	72.38	72.44	75.07	73.15	72.07	72.63	72.44	72.04	72.28	
27	72.07	72.20	72.29	72.37	72.62	75.61	73.05	72.06	72.90	72.44	72.05	72.13	
28	72.12	72.20	72.28	72.41	72.61	75.41	72.95	72.06	72.66	72.43	72.16	72.14	
29	72.16	72.21	72.28	72.44	72.96	74.87	72.86	72.06	72.85	72.39		72.13	
30	72.24	72.35	72.27	72.44	73.50	74.53	73.18	72.06	72.95	72.40		72.12	
31		72.48		72.40	73.10		73.25		72.96	72.34		72.09	
Mean	72.02	72.23	72.46	72.39	72.46	73.95	73.35	72.45	72.53	72.66	72.29	72.25	
Max	72.24	72.48	72.72	72.58	73.50	75.61	74.92	73.41	72.96	72.93	72.48	72.64	75.61
Min	71.97	72.10	72.27	72.25	72.25	72.78	72.41	72.06	72.13	72.34	72.04	72.09	71.97
Annual Max Momentary Gage Height	75.75		m. (MSL.) ,			at 17.00 Hours , on Sep 27, 2021							
Zero Gage at Bottom Elevation	71.73		m. (MSL.) ,			River Bed	69.92	m. (MSL.)					
Left Bank Elevation		77.89	m. (MSL.) ,										
Right Bank Elevation		78.04	m. (MSL.) ,			Drainage Are	42,328	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	87.74	150.61	92.86	62.90	66.12	324.09	833.70	422.00	117.99	330.46	162.58	129.64		
2	85.62	155.27	131.27	61.46	60.02	375.05	809.35	418.60	124.98	327.27	184.99	170.05		
3	85.62	134.30	148.01	58.58	62.90	391.40	674.43	425.40	127.31	306.33	202.42	155.27		
4	89.85	127.31	157.00	61.46	62.90	415.20	523.76	493.80	124.98	262.60	194.95	189.97		
5	91.97	122.65	142.43	62.90	62.90	388.00	439.00	391.40	124.98	283.01	187.48	246.04		
6	104.66	111.00	142.43	60.02	61.46	343.20	371.86	327.27	138.96	268.43	202.42	187.48		
7	108.89	111.00	103.62	55.70	61.46	315.07	343.20	283.01	131.97	262.60	160.09	237.76		
8	113.33	115.66	94.84	60.02	61.46	303.41	288.84	274.26	192.46	257.08	172.54	202.42		
9	89.85	143.62	96.82	62.90	67.73	285.92	235.00	294.67	184.99	268.43	167.56	202.42		
10	85.62	162.58	103.62	66.12	66.12	471.32	199.93	246.04	210.16	226.72	160.09	175.03		
11	83.51	155.27	103.62	90.88	67.73	982.53	184.99	210.16	202.42	268.43	157.60	177.52		
12	87.74	152.94	96.82	118.08	61.46	919.29	257.08	187.48	215.68	223.96	152.94	136.63		
13	87.74	152.94	96.82	118.08	79.00	785.00	320.90	167.56	265.52	271.35	167.56	136.63		
14	87.74	150.61	96.82	94.84	86.92	657.09	312.16	152.94	240.52	265.52	152.94	127.31		
15	87.74	145.95	96.82	84.94	94.84	539.79	333.64	143.62	246.04	285.92	170.05	111.00		
16	87.74	141.29	98.80	90.88	142.43	523.76	452.60	129.64	248.80	283.01	162.58	117.99		
17	89.85	136.63	94.84	101.21	157.00	687.43	1025.85	134.30	251.56	294.67	199.93	113.33		
18	87.74	134.30	92.86	106.03	96.82	804.48	1222.48	134.30	223.96	300.50	172.54	111.00		
19	91.97	131.97	82.96	106.03	79.00	853.18	898.21	131.97	237.76	306.33	138.96	113.33		
20	94.08	136.63	77.39	90.88	77.39	771.67	838.57	131.97	218.44	294.67	131.97	108.89		
21	91.97	138.96	70.95	75.78	67.73	700.54	678.76	124.98	221.20	291.75	129.64	115.66		
22	89.85	141.29	72.56	64.51	58.58	987.80	568.45	115.66	237.76	274.26	131.97	124.98		
23	87.74	148.28	79.00	62.90	61.46	1042.15	463.83	111.00	251.56	215.68	122.65	160.09		
24	85.62	141.29	74.17	64.51	58.58	1091.07	482.56	106.77	248.80	199.93	117.99	155.27		
25	85.62	141.29	67.73	70.95	55.70	1312.33	445.80	104.66	223.96	197.44	113.33	148.28		
26	87.74	51.38	64.51	75.78	86.92	1312.33	401.60	104.66	243.28	192.46	98.31	152.94		
27	104.66	48.50	61.46	74.17	128.48	1647.50	368.68	102.54	320.90	192.46	100.43	117.99		
28	115.66	48.50	60.02	80.98	125.69	1519.88	336.83	102.54	251.56	189.97	124.98	120.32		
29	124.98	49.94	60.02	86.92	264.80	1193.40	309.24	102.54	306.33	180.01		117.99		
30	143.62	70.95	58.58	86.92	527.50	1004.11	411.80	102.54	336.83	182.50		115.66		
31		94.84		79.00	384.60		435.60		340.01	167.56		108.89		
Total	2846.46	3847.75	2819.65	2436.33	3395.70	22947.99	15468.70	6178.28	6811.67	7871.31	4341.49	4587.78	83553.11	CMSDAY
Mean	94.88	124.12	93.99	78.59	109.54	764.93	498.99	205.94	219.73	253.91	155.05	147.99	228.91	CMS
Max	143.62	162.58	157.00	118.08	527.50	1647.50	1222.48	493.80	340.01	330.46	202.42	246.04	1647.50	CMS
Min	83.51	48.50	58.58	55.70	55.70	285.92	184.99	102.54	117.99	167.56	98.31	108.89	48.50	CMS
Runoff	245.93	332.45	243.62	210.50	293.39	1982.71	1336.50	533.80	588.53	680.08	375.10	396.38	7218.99	MCM
Momentary Peak	1740.25 CMS. at 75.75 m. (MSL.) at 17.00 Hours , on Sep 27, 2021													
Runoff Yield	5.41	Liters/Second/Square KM.			Momentary Peak Yield			41.11	Liters/Second/Square KM.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022														
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	129.45	129.56	130.36	129.68	129.46	128.71	128.65	128.87	129.50	130.75	130.70	130.31	
	2	129.47	129.41	130.26	129.68	129.41	128.81	128.65	128.82	129.55	130.47	130.66	130.18	
	3	129.39	129.47	130.43	129.69	129.57	128.63	128.63	128.81	129.55	130.23	130.59	130.63	
	4	129.45	129.52	130.36	129.75	129.47	128.72	128.75	128.79	129.40	130.33	130.62	130.69	
	5	129.45	129.46	129.97	129.58	129.42	128.71	128.76	128.80	129.52	130.41	130.28	130.52	
	6	129.45	129.42	129.98	129.65	129.45	128.75	128.77	128.88	129.97	130.46	130.12	130.64	
	7	129.51	129.43	130.00	129.68	129.36	128.72	128.70	128.88	129.91	130.32	130.28	130.53	
	8	129.43	129.54	130.04	129.75	129.33	128.73	128.70	128.91	129.87	130.28	130.29	130.17	
	9	129.46	129.44	130.05	129.53	129.33	128.78	128.73	128.87	129.93	130.12	130.25	130.13	
	10	129.45	129.45	130.07	129.66	129.50	128.73	128.72	128.82	129.98	130.31	130.26	129.88	
	11	129.48	129.46	130.05	129.77	129.61	128.68	128.72	128.85	130.17	130.26	130.20	129.84	
	12	129.44	129.50	130.07	129.52	129.56	128.71	128.74	128.85	130.30	130.52	130.30	129.83	
	13	129.43	129.46	130.06	129.50	129.50	128.66	128.72	128.86	130.20	130.48	130.19	129.75	
	14	129.42	129.47	130.08	129.45	129.52	128.65	129.00	128.79	130.23	130.60	130.36	129.70	
	15	129.50	129.48	130.02	129.51	129.53	128.66	128.80	129.21	130.33	130.54	130.59	129.58	
	16	129.43	129.54	130.07	129.49	129.39	128.75	128.89	129.01	130.29	130.52	130.64	129.54	
	17	129.47	129.44	129.91	129.48	129.40	128.75	128.83	129.17	130.19	130.45	129.99	129.56	
	18	129.44	129.49	129.86	129.47	129.38	128.73	128.83	129.11	129.99	130.55	130.04	129.56	
	19	129.44	129.49	129.92	129.55	129.36	128.71	128.83	129.42	129.93	130.36	129.99	129.44	
	20	129.47	129.50	129.86	129.51	129.33	128.71	128.83	129.10	130.24	130.42	129.99	129.50	
	21	129.44	129.47	129.92	129.53	129.27	128.76	128.80	129.09	130.21	130.46	130.02	129.79	
	22	129.49	129.53	129.89	129.49	129.38	128.67	128.82	129.09	130.19	130.41	130.01	129.80	
	23	129.41	129.51	129.81	129.50	129.36	128.81	128.87	129.08	130.30	130.37	129.99	129.77	
	24	129.46	129.50	129.79	129.51	129.38	128.86	128.83	129.13	130.22	130.34	130.06	129.76	
	25	129.44	129.60	129.76	129.45	129.40	128.68	128.83	129.27	130.35	130.40	129.98	129.45	
	26	129.49	129.58	129.78	129.46	129.40	128.74	128.82	129.09	130.87	130.33	130.03	129.43	
	27	129.48	129.60	129.76	129.34	129.39	128.76	128.86	129.09	130.50	130.38	129.81	129.43	
	28	129.52	129.94	129.68	129.44	129.18	128.68	128.87	129.07	130.53	130.33	130.21	129.40	
	29	129.48	130.08	129.70	129.40	129.17	128.61	128.93	129.63	130.65	130.35		129.41	
	30	129.46	129.96	129.70	129.40	128.73	128.61	128.88	129.45	130.76	130.31		129.80	
	31		130.33		129.14	128.73		128.88		130.69	130.23		129.95	
Mean		129.46	129.57	129.97	129.53	129.36	128.72	128.79	129.03	130.14	130.40	130.23	129.87	
Max		129.52	130.33	130.43	129.77	129.61	128.86	129.00	129.63	130.87	130.75	130.70	130.69	130.87
Min		129.39	129.41	129.68	129.14	128.73	128.61	128.63	128.79	129.40	130.12	129.81	129.40	128.61
Annual Max Momentary Gage Height			132.63	m. (MSL.) ,			at 22.00 Hours , on Dec 31, 2021							
Zero Gage at Bottom Elevation			129.00	m. (MSL.) ,			River Bed	127.48	m. (MSL.)					
Left Bank Elevation			136.81	m. (MSL.) ,										
Right Bank Elevation			136.99	m. (MSL.) ,			Drainage Are	26,117	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	62.60	77.40	213.60	94.76	63.88	0.00	0.00	0.00	69.00	299.45	286.90	203.85		
2	65.16	57.48	194.10	94.76	57.48	0.00	0.00	0.00	76.00	235.40	277.66	178.63		
3	54.92	65.16	227.40	96.23	78.80	0.00	0.00	0.00	76.00	188.25	261.56	270.73		
4	62.60	71.80	213.60	105.30	65.16	0.00	0.00	0.00	56.20	207.75	268.42	284.59		
5	62.60	63.88	140.74	80.20	58.76	0.00	0.00	0.00	71.80	223.40	198.00	245.88		
6	62.60	58.76	142.49	90.35	62.60	0.00	0.00	0.00	140.74	233.40	167.32	273.04		
7	70.40	60.04	146.00	94.76	51.08	0.00	0.00	0.00	130.21	205.80	198.00	248.12		
8	60.04	74.60	153.02	105.30	47.24	0.00	0.00	0.86	123.79	198.00	199.95	176.75		
9	63.88	61.32	154.78	73.20	47.24	0.00	0.00	0.00	133.72	167.32	192.15	169.20		
10	62.60	62.60	158.28	91.82	69.00	0.00	0.00	0.00	142.49	203.85	194.10	125.34		
11	66.44	63.88	154.78	108.34	84.47	0.00	0.00	0.00	176.75	194.10	182.40	119.12		
12	61.32	69.00	158.28	71.80	77.40	0.00	0.00	0.00	201.90	245.88	201.90	117.57		
13	60.04	63.88	156.53	69.00	69.00	0.00	0.00	0.00	182.40	237.40	180.52	105.30		
14	58.76	65.16	160.04	62.60	71.80	0.00	8.60	0.00	188.25	263.80	213.60	97.70		
15	69.00	66.44	149.51	70.40	73.20	0.00	0.00	31.88	207.75	250.36	261.56	80.20		
16	60.04	74.60	158.28	67.72	54.92	0.00	0.00	9.70	199.95	245.88	273.04	74.60		
17	65.16	61.32	130.21	66.44	56.20	0.00	0.00	27.30	180.52	231.40	144.25	77.40		
18	61.32	67.72	122.23	65.16	53.64	0.00	0.00	20.70	144.25	252.60	153.02	77.40		
19	61.32	67.72	131.96	76.00	51.08	0.00	0.00	58.76	133.72	213.60	144.25	61.32		
20	65.16	69.00	122.23	70.40	47.24	0.00	0.00	19.60	190.20	225.40	144.25	69.00		
21	61.32	65.16	131.96	73.20	39.56	0.00	0.00	18.50	184.35	233.40	149.51	111.38		
22	67.72	73.20	126.90	67.72	53.64	0.00	0.00	18.50	180.52	223.40	147.76	112.90		
23	57.48	70.40	114.46	69.00	51.08	0.00	0.00	17.40	201.90	215.55	144.25	108.34		
24	63.88	69.00	111.38	70.40	53.64	0.00	0.00	22.90	186.30	209.70	156.53	106.82		
25	61.32	83.00	106.82	62.60	56.20	0.00	0.00	39.56	211.65	221.40	142.49	62.60		
26	67.72	80.20	109.86	63.88	56.20	0.00	0.00	18.50	329.92	207.75	151.27	60.04		
27	66.44	83.00	106.82	48.52	54.92	0.00	0.00	18.50	241.40	217.50	114.46	60.04		
28	71.80	135.47	94.76	61.32	28.40	0.00	0.00	16.30	248.12	207.75	184.35	56.20		
29	66.44	160.04	97.70	56.20	27.30	0.00	2.58	87.41	275.35	211.65		57.48		
30	63.88	138.98	97.70	56.20	0.00	0.00	0.00	62.60	301.96	203.85		112.90		
31		207.75		24.00	0.00		0.00		284.59	188.25		137.23		
Total	1903.96	2487.96	4286.42	2307.58	1661.13	0.00	11.18	488.97	5471.70	6863.24	5333.47	4041.67	34857.28	CMSDAY
Mean	63.47	80.26	142.88	74.44	53.58	0.00	0.36	16.30	176.51	221.39	190.48	130.38	95.50	CMS
Max	71.80	207.75	227.40	108.34	84.47	0.00	8.60	87.41	329.92	299.45	286.90	284.59	329.92	CMS
Min	54.92	57.48	94.76	24.00	0.00	0.00	0.00	0.00	56.20	167.32	114.46	56.20	0.00	CMS
Runoff	164.50	214.96	370.35	199.37	143.52	0.00	0.97	42.25	472.75	592.98	460.81	349.20	3011.67	MCM
Momentary Peak	1105.39 CMS. at 132.63 m. (MSL.) at 22.00 Hours , on Dec 31, 2021													
Runoff Yield	3.66	Liters/Second/Square KM.			Momentary Peak Yield	42.32	Liters/Second/Square KM.							

WATER YEAR : 2021**PING RIVER BASIN****Nam Mae Chaem at Tha Kham Bridge , Chiang Mai (P.14A)**

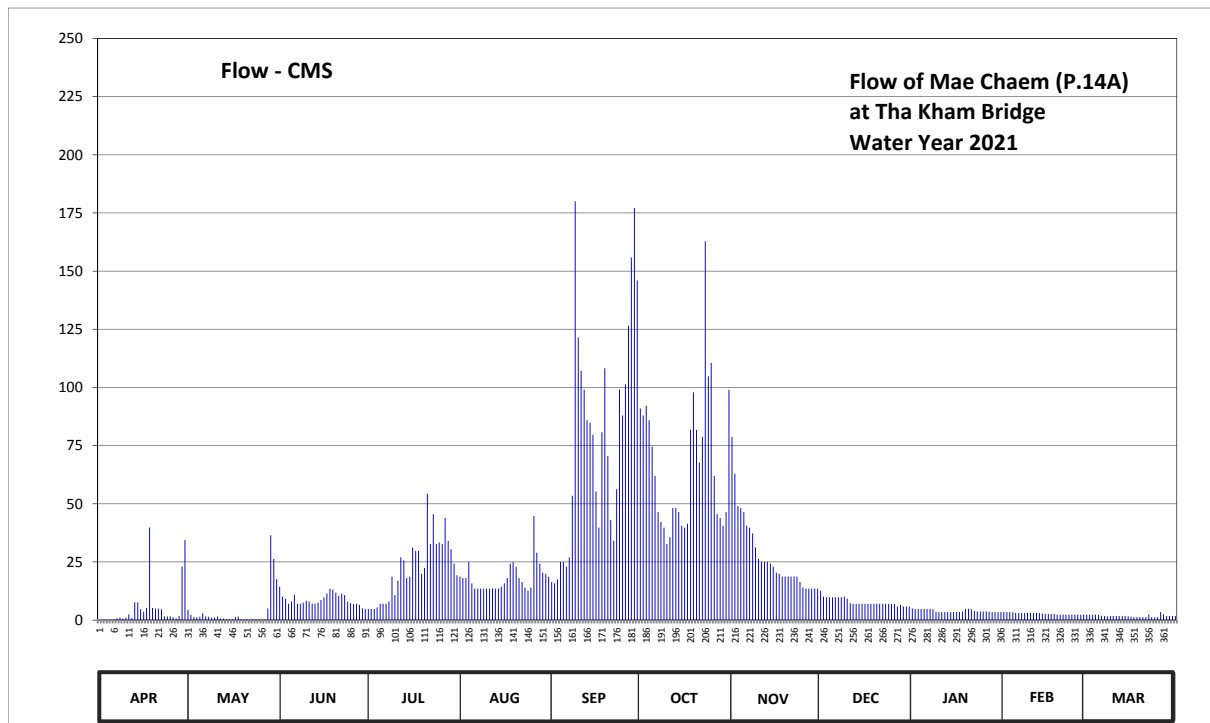
Lat 18 - 12 - 08 N Long 98 - 36 - 52 E

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

	Ban	-	Amphoe	Chom Thong	Changwat	Chiang Mai
Drainage 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 29 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	260.71	261.44	261.28	260.96	261.36	261.32	262.20	262.08	261.24	260.97	260.88	260.81	
2	260.71	261.33	261.17	260.96	261.35	261.31	262.17	261.92	261.17	260.96	260.88	260.81	
3	260.71	261.22	261.14	260.96	261.35	261.34	262.21	261.77	261.16	260.96	260.88	260.81	
4	260.71	261.20	261.06	260.99	261.46	261.46	262.15	261.76	261.16	260.96	260.88	260.81	
5	260.74	261.24	261.10	261.06	261.31	261.46	262.04	261.74	261.16	260.96	260.86	260.80	
6	260.93	261.37	261.20	261.06	261.26	261.43	261.91	261.67	261.16	260.96	260.86	260.77	
7	261.09	261.26	261.06	261.06	261.26	261.49	261.74	261.66	261.16	260.96	260.86	260.76	
8	261.15	261.24	261.06	261.10	261.26	261.82	261.69	261.63	261.16	260.95	260.86	260.75	
9	261.07	261.17	261.08	261.36	261.26	262.89	261.66	261.55	261.17	260.89	260.86	260.76	
10	261.15	261.18	261.11	261.19	261.26	262.46	261.57	261.48	261.14	260.88	260.86	260.76	
11	261.34	261.26	261.10	261.33	261.26	262.34	261.61	261.46	261.07	260.88	260.86	260.76	
12	261.13	261.07	261.06	261.49	261.26	262.27	261.76	261.46	261.06	260.88	260.86	260.76	
13	261.54	261.04	261.06	261.47	261.26	262.15	261.76	261.46	261.06	260.88	260.86	260.76	
14	261.54	260.97	261.08	261.35	261.26	262.14	261.74	261.45	261.06	260.88	260.84	260.76	
15	261.45	260.96	261.12	261.36	261.28	262.09	261.67	261.43	261.06	260.88	260.83	260.75	
16	261.41	260.98	261.16	261.55	261.31	261.84	261.66	261.39	261.06	260.88	260.83	260.73	
17	261.47	261.22	261.21	261.53	261.35	261.66	261.68	261.38	261.06	260.88	260.83	260.72	
18	261.86	261.25	261.26	261.53	261.45	262.10	262.11	261.36	261.06	260.90	260.83	260.72	
19	261.47	260.97	261.25	261.38	261.46	262.35	262.26	261.36	261.06	260.96	260.81	260.72	
20	261.46	260.96	261.22	261.42	261.43	262.00	262.11	261.36	261.06	260.96	260.81	260.72	
21	261.46	260.96	261.18	261.83	261.35	261.70	261.97	261.36	261.06	260.95	260.81	260.72	
22	261.45	260.96	261.21	261.57	261.32	261.59	262.08	261.36	261.06	260.91	260.81	260.82	
23	261.27	260.96	261.19	261.73	261.27	261.85	262.77	261.36	261.06	260.90	260.81	260.72	
24	261.26	260.96	261.10	261.57	261.24	262.27	262.32	261.32	261.06	260.90	260.81	260.71	
25	261.26	260.96	261.07	261.58	261.27	262.17	262.37	261.27	261.06	260.90	260.81	260.72	
26	261.21	260.93	261.06	261.57	261.72	262.29	261.91	261.26	261.06	260.90	260.81	260.88	
27	261.06	260.87	261.06	261.71	261.52	262.50	261.73	261.26	261.01	260.89	260.81	260.82	
28	261.30	260.97	261.04	261.59	261.45	262.72	261.71	261.26	261.04	260.88	260.81	260.76	
29	261.74	261.62	260.97	261.54	261.39	262.87	261.67	261.26	261.01	260.88		260.76	
30	261.83	261.48	260.96	261.45	261.38	262.65	261.74	261.26	261.01	260.88		260.76	
31		261.34		261.37	261.36		262.27		261.01	260.88		260.76	
Mean	261.25	261.14	261.12	261.37	261.35	262.02	261.94	261.48	261.09	260.91	260.84	260.76	
Max	261.86	261.62	261.28	261.83	261.72	262.89	262.77	262.08	261.24	260.97	260.88	260.88	262.89
Min	260.71	260.87	260.96	260.96	261.24	261.31	261.57	261.26	261.01	260.88	260.81	260.71	260.71
Annual Max Momentary Gage Height	263.32		m. (MSL.) ,			at 20.00 Hours ,	on Sep 9, 2021						
Zero Gage at Bottom Elevation		261.86		m. (MSL.) ,		River Bed	260.50	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.11	4.44	14.36	4.84	18.68	16.36	91.00	78.70	12.68	5.03	3.40	2.35		
2	0.11	2.28	10.10	4.84	18.10	15.78	87.92	62.90	10.10	4.84	3.40	2.35		
3	0.11	1.32	9.20	4.84	18.10	17.52	92.15	48.95	9.80	4.84	3.40	2.35		
4	0.11	1.20	7.04	5.41	24.96	24.96	85.87	48.10	9.80	4.84	3.40	2.35		
5	0.14	1.44	8.00	7.04	15.78	24.96	74.60	46.40	9.80	4.84	3.10	2.20		
6	0.36	2.92	11.00	7.04	13.52	22.98	61.95	40.54	9.80	4.84	3.10	1.87		
7	0.77	1.56	7.04	7.04	13.52	26.94	46.40	39.72	9.80	4.84	3.10	1.76		
8	1.00	1.44	7.04	8.00	13.52	53.40	42.18	37.26	9.80	4.65	3.10	1.65		
9	0.71	1.08	7.52	18.68	13.52	180.05	39.72	31.20	10.10	3.55	3.10	1.76		
10	1.00	1.12	8.30	10.70	13.52	121.50	32.64	26.28	9.20	3.40	3.10	1.76		
11	2.44	1.56	8.00	16.94	13.52	107.10	35.62	24.96	7.28	3.40	3.10	1.76		
12	0.92	0.71	7.04	26.94	13.52	99.05	48.10	24.96	7.04	3.40	3.10	1.76		
13	7.60	0.62	7.04	25.62	13.52	85.87	48.10	24.96	7.04	3.40	3.10	1.76		
14	7.60	0.44	7.52	18.10	13.52	84.85	46.40	24.30	7.04	3.40	2.80	1.76		
15	4.70	0.42	8.60	18.68	14.36	79.72	40.54	22.98	7.04	3.40	2.65	1.65		
16	3.66	0.46	9.80	31.20	15.78	55.30	39.72	20.42	7.04	3.40	2.65	1.43		
17	5.22	1.32	11.42	29.76	18.10	39.72	41.36	19.84	7.04	3.40	2.65	1.32		
18	39.80	1.50	13.52	29.76	24.30	80.75	81.77	18.68	7.04	3.70	2.65	1.32		
19	5.22	0.44	13.10	19.84	24.96	108.25	97.90	18.68	7.04	4.84	2.35	1.32		
20	4.96	0.42	11.84	22.32	22.98	70.50	81.77	18.68	7.04	4.84	2.35	1.32		
21	4.96	0.42	10.40	54.35	18.10	43.00	67.65	18.68	7.04	4.65	2.35	1.32		
22	4.70	0.42	11.42	32.64	16.36	34.08	78.70	18.68	7.04	3.89	2.35	2.50		
23	1.62	0.42	10.70	45.55	13.94	56.25	162.80	18.68	7.04	3.70	2.35	1.32		
24	1.56	0.42	8.00	32.64	12.68	99.05	104.80	16.36	7.04	3.70	2.35	1.21		
25	1.56	0.42	7.28	33.36	13.94	87.92	110.55	13.94	7.04	3.70	2.35	1.32		
26	1.26	0.36	7.04	32.64	44.70	101.35	61.95	13.52	7.04	3.70	2.35	3.40		
27	0.68	0.27	7.04	43.85	29.04	126.50	45.55	13.52	5.84	3.55	2.35	2.50		
28	1.80	5.03	6.56	34.08	24.30	155.80	43.85	13.52	6.56	3.40	2.35	1.76		
29	23.00	36.44	5.03	30.48	20.42	177.15	40.54	13.52	5.84	3.40		1.76		
30	34.40	26.28	4.84	24.30	19.84	146.00	46.40	13.52	5.84	3.40		1.76		
31		17.52		19.26	18.68		99.05		5.84	3.40		1.76		
Total	162.08	114.69	265.79	700.74	569.78	2342.66	2077.55	832.45	243.68	123.34	78.40	56.41	7567.57	CMSDAY
Mean	5.40	3.70	8.86	22.60	18.38	78.09	67.02	27.75	7.86	3.98	2.80	1.82	20.73	CMS
Max	39.80	36.44	14.36	54.35	44.70	180.05	162.80	78.70	12.68	5.03	3.40	3.40	180.05	CMS
Min	0.11	0.27	4.84	4.84	12.68	15.78	32.64	13.52	5.84	3.40	2.35	1.21	0.11	CMS
Runoff	14.00	9.91	22.96	60.54	49.23	202.41	179.50	71.92	21.05	10.66	6.77	4.87	653.84	MCM
Momentary Peak	250.00 CMS. at 263.32 m. (MSL.) at 20.00 Hours , on Sep 9, 2021													
Runoff Yield	5.34	Liters/Second/Square KM.			Momentary Peak Yield			64.43	Liters/Second/Square KM.					

WATER YEAR : 2021**PING RIVER BASIN****Ping River at Wat Sri Phirom , Kamphaeng Phet (P.15)**

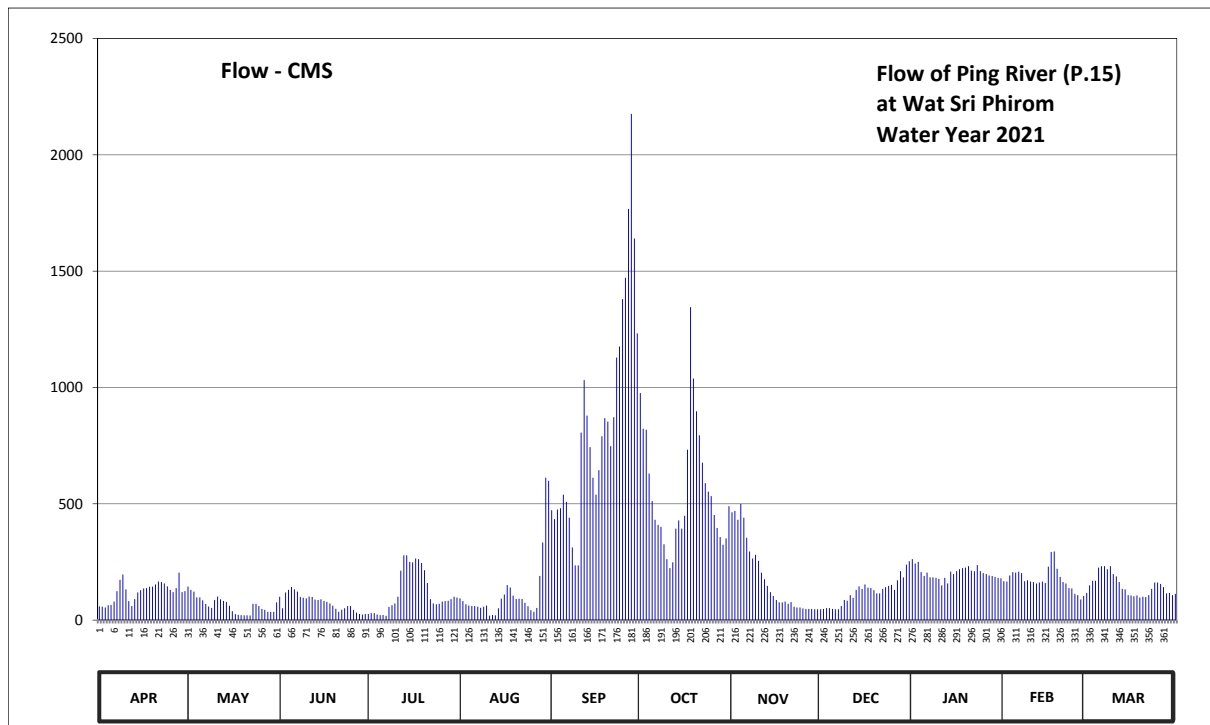
Lat 16 - 12 - 51 N Long 99 - 43 - 20 E

Location : on right bank in front of Amphoe Khlong Khlung Office.

	Ban	Wat Sri Phirom	Amphoe	Khlong Khlung	Changwat	Kamphaeng Phet
Drainage Area	44,354	sq.km.				
Type of Gage	Staff gage.					
Zero Gage at Bottom	+51.555	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 30 meters from the south of Wat Sri Phirom.					Elevation +61.835 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1954 to date					
Rating Operation						
Period of Rating	1964 - 1974 , 1997 to date					
Rated by Float	-					
Rated by Current Meter	1964 - 1974 , 1997 to date					
Stability of Channel Regimes	Rather unstable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 28 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	52.10	53.21	52.35	52.29	52.31	53.95	55.31	53.92	52.02	53.14	52.70	52.44	
2	52.09	53.14	52.58	52.35	52.24	53.82	54.95	53.94	52.03	53.06	52.69	52.61	
3	52.07	53.10	53.08	52.35	52.16	53.96	54.94	53.81	52.05	53.09	52.82	52.71	
4	52.13	52.95	53.14	52.26	52.12	53.98	54.44	54.04	52.05	52.89	52.89	52.71	
5	52.14	52.95	53.20	52.22	52.11	54.17	54.08	53.84	52.03	52.81	52.88	52.98	
6	52.23	52.86	53.15	52.23	52.11	54.07	53.81	53.52	52.02	52.88	52.90	53.01	
7	52.48	52.74	53.10	52.17	52.09	53.84	53.73	53.28	52.02	52.78	52.87	53.01	
8	52.73	52.65	52.96	52.08	52.06	53.71	53.70	53.15	52.11	52.78	52.70	52.95	
9	52.84	52.59	52.94	52.13	52.09	53.54	53.41	53.22	52.27	52.77	52.72	53.01	
10	52.52	52.87	52.92	52.18	52.12	53.54	53.14	53.11	52.25	52.75	52.69	52.85	
11	52.24	52.97	52.97	52.35	52.18	54.91	52.97	52.88	52.39	52.61	52.68	52.80	
12	52.11	52.89	52.96	52.92	52.23	55.39	53.08	52.74	52.32	52.77	52.65	52.68	
13	52.29	52.84	52.88	53.21	52.21	55.10	53.67	52.60	52.51	52.65	52.67	52.53	
14	52.45	52.81	52.87	53.21	52.58	54.75	53.80	52.46	52.59	52.90	52.69	52.52	
15	52.50	52.68	52.89	53.09	52.91	54.39	53.67	52.37	52.53	52.85	52.66	52.39	
16	52.54	52.45	52.84	53.08	53.03	54.17	53.87	52.27	52.63	52.91	53.00	52.38	
17	52.55	52.28	52.81	53.15	53.24	54.48	54.72	52.21	52.56	52.95	53.27	52.36	
18	52.58	52.24	52.76	53.14	53.19	54.87	55.90	52.21	52.55	52.97	53.28	52.38	
19	52.58	52.22	52.68	53.07	53.00	55.07	55.40	52.23	52.50	52.98	52.96	52.33	
20	52.63	52.20	52.56	52.93	52.90	55.03	55.15	52.17	52.43	53.01	52.79	52.35	
21	52.69	52.21	52.42	52.66	52.91	54.76	54.88	52.22	52.43	52.92	52.68	52.34	
22	52.68	52.19	52.52	52.29	52.90	55.08	54.57	52.09	52.53	52.91	52.65	52.39	
23	52.65	52.17	52.58	52.18	52.78	55.56	54.32	52.07	52.57	53.03	52.55	52.53	
24	52.59	52.17	52.67	52.16	52.66	55.64	54.21	52.07	52.60	52.91	52.54	52.67	
25	52.51	52.11	52.67	52.17	52.50	55.95	54.15	52.04	52.62	52.87	52.42	52.67	
26	52.46	52.03	52.51	52.23	52.42	56.07	53.88	52.03	52.51	52.85	52.39	52.64	
27	52.55	52.00	52.37	52.24	52.59	56.41	53.68	52.03	52.72	52.82	52.28	52.57	
28	52.88	51.95	52.29	52.25	52.81	56.79	53.53	52.03	52.91	52.81	52.37	52.43	
29	53.09	51.95	52.26	52.29	53.44	56.27	53.40	52.02	52.78	52.79		52.44	
30	53.11	51.95	52.29	52.35	54.39	55.73	53.51	52.02	53.04	52.77		52.39	
31		52.21		52.33	54.35		54.01		53.10	52.76		52.42	
Mean	52.50	52.50	52.74	52.50	52.67	54.83	54.13	52.69	52.44	52.87	52.73	52.60	
Max	53.11	53.21	53.20	53.21	54.39	56.79	55.90	54.04	53.10	53.14	53.28	53.01	56.79
Min	52.07	51.95	52.26	52.08	52.06	53.54	52.97	52.02	52.02	52.61	52.28	52.33	51.95
Annual Max Momentary Gage Height	56.88	m. (MSL.) ,		at 07.00 Hours , on Sep 28, 2021									
Zero Gage at Bottom Elevation	51.56	m. (MSL.) ,		River Bed		50.66	m. (MSL.)						
Left Bank Elevation	58.38	m. (MSL.) ,											
Right Bank Elevation	57.90	m. (MSL.) ,		Drainage Are		44,354	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	59.15	144.24	100.53	25.88	93.59	472.13	976.04	463.32	46.87	262.09	167.35	116.80		
2	57.62	130.10	51.06	30.40	81.44	433.97	822.18	469.19	48.41	243.41	165.34	149.22		
3	54.55	122.10	118.68	30.40	68.36	475.06	818.17	431.04	51.47	250.42	191.69	169.37		
4	63.76	97.90	130.10	24.02	62.22	480.93	629.74	499.16	51.47	206.36	206.36	169.37		
5	65.29	97.90	142.10	21.54	60.69	539.33	511.52	439.84	48.41	189.60	204.26	225.21		
6	79.71	85.12	132.10	22.16	60.69	508.43	431.04	354.02	46.87	204.26	208.45	231.74		
7	124.40	69.10	122.10	18.68	57.62	439.84	409.27	295.10	46.87	183.47	202.17	231.74		
8	173.40	58.60	99.32	56.08	53.01	312.34	401.20	264.42	60.68	183.47	167.35	218.93		
9	195.88	52.08	96.48	63.76	57.62	235.26	326.13	280.85	86.65	181.46	171.38	231.74		
10	132.00	86.54	93.64	71.43	62.22	235.26	262.09	255.09	83.17	177.43	165.34	197.98		
11	81.44	100.74	100.74	100.53	19.22	806.16	223.12	204.26	107.47	149.22	163.32	187.50		
12	60.69	89.38	99.32	212.64	22.16	1031.56	248.08	175.41	95.32	181.46	157.28	163.32		
13	90.12	82.28	87.96	278.48	20.92	879.08	393.13	147.20	130.10	157.28	161.31	133.90		
14	118.70	78.02	86.54	278.48	51.06	743.45	428.10	120.60	145.30	208.45	165.34	132.00		
15	128.20	61.90	89.38	250.42	92.22	611.97	393.13	104.00	133.90	197.98	159.29	107.47		
16	135.80	38.60	82.28	248.08	110.13	539.33	448.65	86.65	153.25	210.55	229.40	105.73		
17	137.70	25.26	78.02	264.43	150.66	644.18	732.26	76.23	139.60	218.93	292.73	102.26		
18	143.40	22.78	71.60	262.09	140.10	790.14	1344.95	76.23	137.70	223.12	295.10	105.73		
19	143.40	21.54	61.90	245.75	105.00	868.02	1038.50	79.70	128.20	225.21	221.02	97.05		
20	153.25	20.30	49.02	214.74	90.80	853.26	897.52	69.89	114.90	231.74	185.49	100.53		
21	165.34	20.92	36.02	159.29	92.22	747.18	794.14	77.97	114.90	212.64	163.32	98.79		
22	163.32	19.76	44.94	90.12	90.80	871.70	676.67	57.62	133.90	210.55	157.28	107.47		
23	157.28	69.90	51.06	71.43	74.10	1128.74	588.62	54.54	141.50	236.41	137.70	133.90		
24	145.30	69.90	60.80	68.36	59.70	1176.12	551.93	54.54	147.20	210.55	135.80	161.31		
25	130.10	60.69	60.80	69.90	42.90	1379.73	533.15	49.94	151.23	202.17	113.00	161.31		
26	120.60	48.41	43.92	79.71	36.02	1471.31	451.58	48.41	130.10	197.98	107.47	155.26		
27	137.70	43.80	31.96	81.44	52.08	1767.16	395.82	48.41	171.38	191.69	88.38	141.50		
28	204.26	35.90	25.88	83.18	189.60	2175.47	356.56	48.41	210.55	189.60	104.00	114.90		
29	120.39	35.90	24.02	90.12	333.74	1639.77	323.60	46.87	183.47	185.49		116.80		
30	124.10	35.90	25.88	100.53	611.97	1231.97	351.48	46.87	238.74	181.46		107.47		
31		76.24		97.06	598.63		489.89		252.75	179.44		113.00		
Total	3666.85	2001.80	2298.15	3711.13	3641.49	25488.85	17248.26	5425.78	3732.33	6283.89	4886.92	4589.30	82974.75	CMSDAY
Mean	122.23	64.57	76.61	119.71	117.47	849.63	556.40	180.86	120.40	202.71	174.53	148.04	227.33	CMS
Max	204.26	144.24	142.10	278.48	611.97	2175.47	1344.95	499.16	252.75	262.09	295.10	231.74	2175.47	CMS
Min	54.55	19.76	24.02	18.68	19.22	235.26	223.12	46.87	46.87	149.22	88.38	97.05	18.68	CMS
Runoff	316.82	172.96	198.56	320.64	314.62	2202.24	1490.25	468.79	322.47	542.93	422.23	396.52	7169.02	MCM
Momentary Peak	2270.08	CMS.	at 56.88 m. (MSL.)	at 07.00 Hours , on Sep 28, 2021										
Runoff Yield	5.11	Liters/Second/Square KM.				Momentary Peak Yield	51.06			Liters/Second/Square KM.				

WATER YEAR : 2021**PING RIVER BASIN****Ping River at Ban San Tor , Kamphaeng Phet (P.16)**

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

Location : on right bank behind the Post Office.

	Ban San Tor	Amphoe	Khanu Worakabsaburi	Changwat	Kamphaeng Phet
Drainage Area	44,619 sq.km.				
Type of Gage	Staff gage				
Zero Gage at Bottom	+39.780 m. (MSL.)				
Bench Mark	B.M.-H.D.				
Location BM	On right bank near the automatic gage building.			Elevation	+46.604 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.				
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings				
Period of Available Gage Records	1954 to date				
Rating Operation					
Period of Rating	1960 , 1967 - 1974 , 1990 to date				
Rated by Float	-				
Rated by Current Meter	1960 , 1964 - 1975 , 1979 , 1990 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 28 discharge measurements made in 2021.				

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	40.92	41.09	40.73	40.88	40.89	42.19	44.11	42.49	40.83	41.67	41.34	41.23	
2	40.92	41.09	40.81	40.87	40.89	41.96	43.64	42.50	40.89	41.63	41.36	41.28	
3	40.93	41.06	40.89	40.87	40.88	42.05	43.62	42.37	40.93	41.64	41.44	41.38	
4	40.93	41.02	41.05	40.86	40.86	42.11	43.10	42.49	40.94	41.55	41.50	41.36	
5	40.95	40.99	41.16	40.86	40.86	42.33	42.67	42.52	40.93	41.43	41.50	41.48	
6	40.95	40.98	41.15	40.86	40.85	42.31	42.34	42.16	40.91	41.47	41.48	41.62	
7	40.97	40.95	41.15	40.86	40.85	42.10	42.20	41.91	40.92	41.42	41.54	41.50	
8	40.99	40.94	41.10	40.85	40.84	41.91	42.20	41.75	40.91	41.41	41.40	41.61	
9	41.00	40.94	41.08	40.85	40.84	41.81	41.99	41.74	41.02	41.40	41.41	41.55	
10	40.98	40.95	41.07	40.87	40.87	41.68	41.75	41.75	41.04	41.42	41.39	41.52	
11	40.96	40.99	41.07	40.88	40.90	42.67	41.58	41.59	41.09	41.31	41.37	41.45	
12	40.95	40.98	41.08	40.94	40.91	43.93	41.53	41.48	41.08	41.42	41.35	41.43	
13	40.95	40.96	41.06	41.05	40.93	43.71	41.94	41.38	41.13	41.31	41.36	41.30	
14	40.97	40.95	41.06	41.07	40.95	43.31	42.21	41.29	41.30	41.40	41.42	41.30	
15	40.97	40.95	41.07	41.04	41.03	42.88	42.12	41.23	41.25	41.37	41.35	41.25	
16	40.97	40.93	41.06	41.00	41.10	42.54	42.21	41.18	41.31	41.42	41.53	41.21	
17	40.97	40.91	41.06	41.03	41.25	42.72	42.84	41.13	41.28	41.44	41.71	41.24	
18	40.98	40.90	41.05	41.04	41.31	43.20	44.41	41.13	41.28	41.46	41.87	41.22	
19	40.98	40.89	41.04	41.03	41.13	43.50	44.26	41.12	41.23	41.48	41.66	41.20	
20	40.98	40.88	41.03	40.97	41.03	43.58	43.84	41.10	41.23	41.50	41.48	41.22	
21	40.98	40.88	41.03	40.93	40.99	43.28	43.62	41.10	41.20	41.46	41.38	41.20	
22	40.98	40.88	41.02	40.90	40.99	43.37	43.22	41.07	41.22	41.46	41.35	41.23	
23	40.98	40.88	41.03	40.87	40.95	44.08	42.97	41.01	41.25	41.47	41.32	41.28	
24	40.98	40.88	41.04	40.85	40.92	44.20	42.75	40.95	41.28	41.47	41.29	41.40	
25	40.97	40.87	41.04	40.86	40.89	44.46	42.76	40.93	41.28	41.42	41.24	41.40	
26	40.96	40.82	41.03	40.86	40.88	44.77	42.49	40.90	41.23	41.41	41.21	41.37	
27	40.97	40.70	41.03	40.87	40.92	44.97	42.28	40.88	41.27	41.40	41.12	41.39	
28	40.99	40.70	40.93	40.87	41.20	45.63	42.11	40.87	41.46	41.40	41.16	41.27	
29	41.04	40.69	40.86	40.88	41.33	45.22	41.98	40.85	41.32	41.39		41.24	
30	41.05	40.70	40.87	40.88	41.95	44.58	41.96	40.84	41.47	41.36		41.21	
31		40.70		40.89	42.56		42.46		41.63	41.37		41.22	
Mean	40.97	40.90	41.02	40.91	41.06	43.24	42.68	41.46	41.16	41.44	41.41	41.34	
Max	41.05	41.09	41.16	41.07	42.56	45.63	44.41	42.52	41.63	41.67	41.87	41.62	45.63
Min	40.92	40.69	40.73	40.85	40.84	41.68	41.53	40.84	40.83	41.31	41.12	41.20	40.69
Annual Max Momentary Gage Height	45.73		m. (MSL.) ,			at 13.00 Hours , on Sep 28, 2021							
Zero Gage at Bottom Elevation	39.78		m. (MSL.) ,			River Bed 37.78	m. (MSL.)						
Left Bank Elevation	47.66		m. (MSL.) ,										
Right Bank Elevation	46.66		m. (MSL.) ,			Drainage Are 44,619	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	57.72	92.97	28.99	50.48	52.09	471.91	1097.00	548.42	42.43	265.52	155.24	258.37	
2	57.72	92.97	39.21	48.87	52.09	416.95	910.18	551.00	52.09	250.48	161.06	267.89	
3	59.73	86.58	52.09	48.87	50.48	437.88	902.94	517.40	59.73	254.24	185.10	288.26	
4	59.73	78.06	84.45	47.26	47.26	451.99	728.90	548.42	61.74	221.45	203.70	284.12	
5	63.75	71.79	109.08	47.26	47.26	507.06	598.86	556.63	59.73	182.00	203.70	308.96	
6	63.75	69.78	106.75	47.26	45.65	501.89	509.64	464.44	55.71	194.40	197.50	339.86	
7	67.77	63.75	106.75	47.26	45.65	449.50	474.40	405.33	57.72	178.90	217.90	313.10	
8	71.79	61.74	95.10	45.65	44.04	405.33	474.40	296.55	55.71	175.80	172.70	337.63	
9	73.80	61.74	90.84	45.65	44.04	382.62	423.93	292.60	78.06	172.70	175.80	324.25	
10	69.78	63.75	88.71	48.87	48.87	353.24	369.03	296.55	82.32	178.90	169.79	317.56	
11	65.76	71.79	88.71	50.48	53.70	598.86	330.94	235.65	92.97	146.51	163.97	302.75	
12	63.75	69.78	90.84	61.74	55.71	1020.41	319.79	197.50	90.84	178.90	158.15	298.61	
13	63.75	65.76	86.58	84.45	59.73	935.69	412.30	166.88	102.09	146.51	161.06	271.70	
14	67.77	63.75	86.58	88.71	63.75	796.90	476.89	141.08	143.60	172.70	178.90	271.70	
15	67.77	63.75	88.71	82.32	80.19	660.85	454.48	125.96	131.00	163.97	158.15	262.18	
16	67.77	59.73	86.58	73.80	95.10	562.26	476.89	113.74	146.51	178.90	214.35	254.56	
17	67.77	55.71	86.58	80.19	131.00	613.25	648.95	102.09	138.56	185.10	280.75	260.27	
18	69.78	53.70	84.45	82.32	146.51	761.25	1239.41	102.09	138.56	191.30	350.25	256.46	
19	69.78	52.09	82.32	80.19	102.09	859.50	1165.92	99.76	125.96	197.50	261.76	252.65	
20	69.78	50.48	80.19	67.77	80.19	888.46	984.96	95.10	125.96	203.70	197.50	256.46	
21	69.78	50.48	80.19	59.73	71.79	787.13	902.94	95.10	118.40	191.30	166.88	252.65	
22	69.78	50.48	78.06	53.70	71.79	816.67	767.72	88.71	123.44	191.30	158.15	258.37	
23	69.78	50.48	80.19	48.87	63.75	1083.93	688.54	75.93	131.00	194.40	149.42	267.89	
24	69.78	50.48	82.32	45.65	57.72	1138.35	622.18	63.75	138.56	194.40	141.08	292.40	
25	67.77	48.87	82.32	47.26	52.09	1264.46	625.15	59.73	138.56	178.90	128.48	292.40	
26	65.76	40.82	80.19	47.26	50.48	1448.40	548.42	53.70	125.96	175.80	120.92	286.19	
27	67.77	25.30	80.19	48.87	57.72	1581.13	494.32	50.48	136.04	172.70	99.76	290.33	
28	71.79	25.30	59.73	48.87	118.40	2094.14	451.99	48.87	191.30	172.70	109.08	265.99	
29	82.32	24.27	47.26	50.48									

WATER YEAR : 2021**PING RIVER BASIN****Ping River at Ban Tha Ngiu, Nakhon Sawan (P.17)**

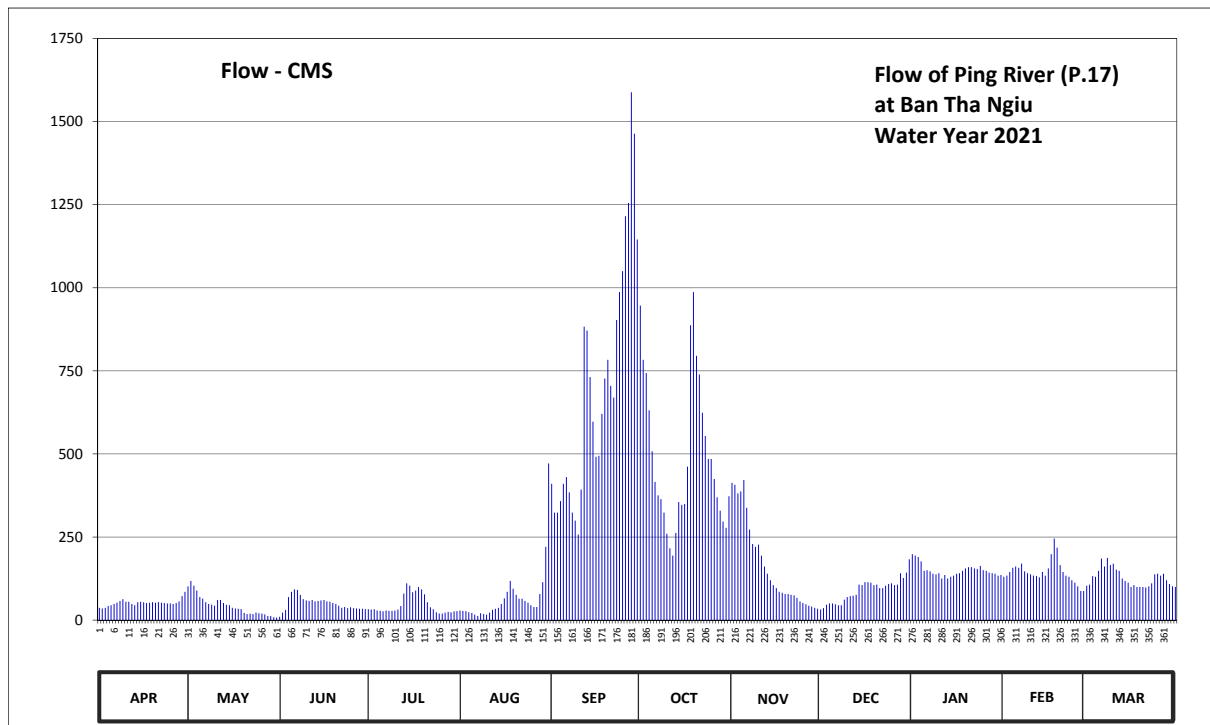
Lat 16 - 03 - 53 N Long 99 - 51 - 37 E

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	No overbank flow.					
General Description	Records good. Flow effected by Phumiphol Dam.					
	Stage-discharge relation defined by 52 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	34.10	34.57	33.80	34.05	34.01	35.88	37.37	35.89	34.04	35.07	34.73	34.58	
2	34.08	34.66	33.94	34.04	34.00	35.58	36.97	35.87	34.09	35.05	34.75	34.60	
3	34.10	34.58	34.03	34.05	33.99	35.58	36.87	35.78	34.17	35.03	34.81	34.74	
4	34.14	34.50	34.35	34.01	33.95	35.70	36.56	35.80	34.20	34.97	34.88	34.73	
5	34.16	34.35	34.47	34.00	33.93	35.88	36.19	35.92	34.20	34.83	34.90	34.83	
6	34.19	34.31	34.52	33.98	33.87	35.95	35.90	35.63	34.18	34.84	34.88	35.01	
7	34.22	34.23	34.51	34.01	33.83	35.79	35.76	35.39	34.16	34.82	34.94	34.90	
8	34.26	34.19	34.40	34.00	33.92	35.58	35.72	35.21	34.16	34.78	34.82	35.02	
9	34.30	34.17	34.30	34.00	33.89	35.49	35.58	35.17	34.29	34.77	34.79	34.92	
10	34.24	34.15	34.27	34.01	33.87	35.33	35.34	35.20	34.35	34.79	34.77	34.94	
11	34.24	34.28	34.26	34.04	33.94	35.82	35.15	35.05	34.37	34.70	34.75	34.85	
12	34.19	34.28	34.28	34.14	34.03	37.22	35.05	34.90	34.38	34.76	34.74	34.83	
13	34.16	34.21	34.25	34.43	34.07	37.19	35.35	34.78	34.40	34.70	34.72	34.70	
14	34.23	34.17	34.26	34.62	34.10	36.84	35.69	34.67	34.60	34.73	34.81	34.66	
15	34.24	34.16	34.27	34.58	34.19	36.46	35.66	34.59	34.59	34.75	34.75	34.63	
16	34.23	34.10	34.28	34.46	34.32	36.14	35.67	34.54	34.64	34.78	34.87	34.56	
17	34.21	34.08	34.25	34.50	34.47	36.15	36.05	34.47	34.64	34.79	35.07	34.59	
18	34.22	34.07	34.24	34.56	34.66	36.53	37.23	34.45	34.63	34.83	35.28	34.56	
19	34.23	34.06	34.21	34.52	34.53	36.83	37.46	34.42	34.59	34.87	35.16	34.56	
20	34.22	33.93	34.19	34.41	34.40	36.97	37.00	34.42	34.60	34.89	34.92	34.56	
21	34.23	33.89	34.15	34.23	34.31	36.77	36.86	34.40	34.54	34.89	34.81	34.55	
22	34.22	33.90	34.10	34.11	34.31	36.67	36.54	34.39	34.54	34.87	34.75	34.57	
23	34.21	33.89	34.12	34.05	34.26	37.27	36.33	34.33	34.58	34.86	34.73	34.62	
24	34.20	33.94	34.09	33.95	34.22	37.46	36.12	34.25	34.61	34.91	34.67	34.77	
25	34.20	33.92	34.11	33.91	34.16	37.59	36.12	34.21	34.62	34.84	34.63	34.78	
26	34.19	33.91	34.09	33.91	34.12	37.92	35.93	34.18	34.59	34.83	34.57	34.75	
27	34.21	33.88	34.08	33.94	34.12	38.00	35.74	34.15	34.60	34.80	34.49	34.78	
28	34.25	33.83	34.07	33.96	34.42	38.54	35.60	34.13	34.79	34.79	34.49	34.67	
29	34.37	33.83	34.07	33.95	34.64	38.36	35.48	34.10	34.71	34.78		34.61	
30	34.47	33.77	34.06	33.98	35.17	37.78	35.41	34.07	34.80	34.75		34.57	
31		33.75		33.99	36.08		35.75		35.00	34.76		34.56	
Mean	34.22	34.11	34.20	34.14	34.25	36.64	36.08	34.81	34.47	34.83	34.80	34.71	
Max	34.47	34.66	34.52	34.62	36.08	38.54	37.46	35.92	35.00	35.07	35.28	35.02	38.54
Min	34.08	33.75	33.80	33.91	33.83	35.33	35.05	34.07	34.04	34.70	34.49	34.55	33.75
Annual Max Momentary Gage Height	38.69		m. (MSL.) ,			at 19.00 Hours , on Sep 28, 2021							
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	37.00	101.60	10.00	32.50	28.90	410.20	946.50	413.10	31.60	198.40	130.40	103.40		
2	35.20	117.80	22.60	31.60	28.00	323.60	783.00	407.30	36.10	194.00	134.00	107.00		
3	37.00	103.40	30.70	32.50	27.10	323.60	743.00	381.20	46.10	189.60	144.80	132.20		
4	42.20	89.00	69.50	28.90	23.50	358.00	631.00	387.00	50.00	176.40	157.40	130.40		
5	44.80	69.50	85.10	28.00	21.70	410.20	507.70	421.80	50.00	148.40	161.00	148.40		
6	48.70	64.30	92.60	26.20	16.30	430.50	416.00	337.70	47.40	150.20	157.40	185.20		
7	52.60	53.90	90.80	28.90	12.70	384.10	375.40	272.50	44.80	146.60	169.80	161.00		
8	57.80	48.70	76.00	28.00	20.80	323.60	363.80	229.30	44.80	139.40	146.60	187.40		
9	63.00	46.10	63.00	28.00	18.10	299.30	323.60	220.40	61.70	137.60	141.20	165.40		
10	55.20	43.50	59.10	28.90	16.30	257.50	260.00	227.00	69.50	141.20	137.60	169.80		
11	55.20	60.40	57.80	31.60	22.60	392.80	216.00	194.00	72.10	125.00	134.00	152.00		
12	48.70	60.40	60.40	42.20	30.70	883.00	194.00	161.00	73.40	135.80	132.20	148.40		
13	44.80	51.30	56.50	79.90	34.30	871.00	262.50	139.40	76.00	125.00	128.60	125.00		
14	53.90	46.10	57.80	110.60	37.00	731.00	355.10	119.60	107.00	130.40	144.80	117.80		
15	55.20	44.80	59.10	103.40	48.70	596.80	346.40	105.20	105.20	134.00	134.00	112.40		
16	53.90	37.00	60.40	83.80	65.60	491.20	349.30	96.20	114.20	139.40	155.60	99.80		
17	51.30	35.20	56.50	89.00	85.10	494.50	461.50	85.10	114.20	141.20	198.40	105.20		
18	52.60	34.30	55.20	99.80	117.80	620.50	887.00	82.50	112.40	148.40	245.40	99.80		
19	53.90	33.40	51.30	92.60	94.40	727.00	987.00	78.60	105.20	155.60	218.20	99.80		
20	52.60	21.70	48.70	77.30	76.00	783.00	795.00	78.60	107.00	159.20	165.40	99.80		
21	53.90	18.10	43.50	53.90	64.30	704.50	739.00	76.00	96.20	159.20	144.80	98.00		
22	52.60	19.00	37.00	38.30	64.30	669.50	624.00	74.70	96.20	155.60	134.00	101.60		
23	51.30	18.10	39.60	32.50	57.80	903.00	553.90	66.90	103.40	153.80	130.40	110.60		
24	50.00	22.60	36.10	23.50	52.60	987.00	484.60	56.50	108.80	163.20	119.60	137.60		
25	50.00	20.80	38.30	19.90	44.80	1050.00	484.60	51.30	110.60	150.20	112.40	139.40		
26	48.70	19.90	36.10	19.90	39.60	1215.00	424.70	47.40	105.20	148.40	101.60	134.00		
27	51.30	17.20	35.20	22.60	39.60	1255.00	369.60	43.50	107.00	143.00	87.70	139.40		
28	56.50	12.70	34.30	24.40	78.60	1588.00	329.00	40.90	141.20	141.20	87.70	119.60		
29	72.10	12.70	34.30	23.50	114.20	1463.20	296.60	37.00	126.80	139.40		108.80		
30	85.10	8.50	33.40	26.20	220.40	1145.00	277.70	34.30	143.00	134.00		101.60		
31		7.50		27.10	471.40		372.50		183.00	135.80		99.80		
Total	1567.10	1339.50	1530.90	1415.50	2073.20	21091.60	15160.00	4966.00	2790.10	4639.60	4055.00	3940.60	64569.10	CMSDAY
Mean	52.24	43.21	51.03	45.66	66.88	703.05	489.03	165.53	90.00	149.66	144.82	127.12	176.90	CMS
Max	85.10	117.80	92.60	110.60	471.40	1588.00	987.00	421.80	183.00	198.40	245.40	187.40	1588.00	CMS
Min	35.20	7.50	10.00	19.90	12.70	257.50	194.00	34.30	31.60	125.00	87.70	98.00	7.50	CMS
Runoff	135.40	115.73	132.27	122.30	179.12	1822.31	1309.82	429.06	241.06	400.86	350.35	340.47	5578.77	MCM
Momentary Peak	1697.50 CMS. at 38.69 m. (MSL.) at 19.00 Hours , on Sep 28, 2021													
Runoff Yield	3.94	Liters/Second/Square KM.			Momentary Peak Yield			37.77	Liters/Second/Square KM.					

WATER YEAR : 2021**PING RIVER BASIN****Ping River at Ban Chiang Dao , Chiang Mai (P.20)**

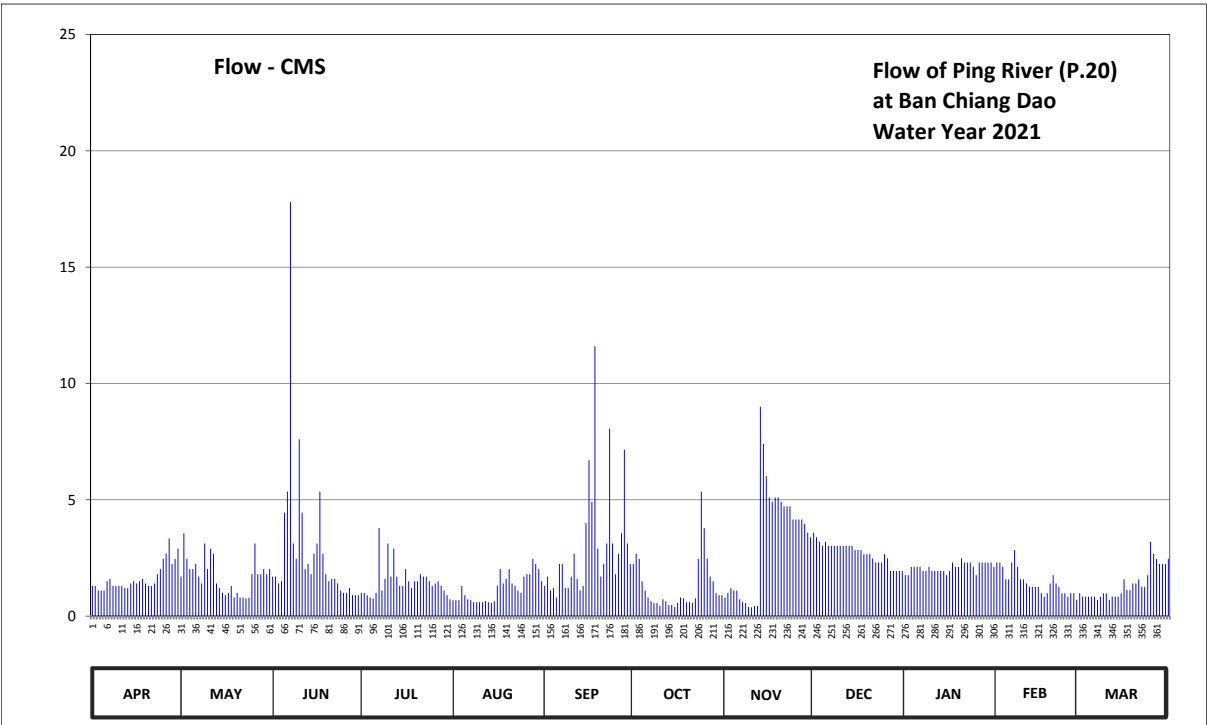
Lat 19 - 22 - 10 N Long 98 - 58 - 09 E

Location : on right bank near War Inthra Ram.

	Ban	Chiang Dao	Amphoe	Chiang Dao	Changwat	Chiang Mai
Drainage Area	1,223	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+379.900 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	About 2 meters from automatic gage building.				Elevation	+384.033 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1954 to date					
Rating Operation						
Period of Rating	1979 - 1982 , 1989 to date					
Rated by Float	-					
Rated by Current Meter	1979 - 1982 , 1989 to date					
Stability of Channel Regimes	Fairly stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Flow effected by the local weir about 300 meters downstream from the gage site. Stage-discharge relation defined by 30 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	380.25	380.29	380.29	380.22	380.17	380.25	380.32	380.20	380.02	379.92	379.95	379.87	
2	380.25	380.38	380.29	380.22	380.17	380.29	380.34	380.22	380.01	379.92	379.95	379.86	
3	380.23	380.33	380.26	380.21	380.17	380.23	380.33	380.24	380.00	379.94	379.94	379.86	
4	380.23	380.31	380.27	380.20	380.25	380.24	380.27	380.23	379.99	379.94	379.91	379.86	
5	380.23	380.31	380.41	380.19	380.21	380.20	380.23	380.23	380.00	379.94	379.91	379.86	
6	380.27	380.32	380.43	380.22	380.18	380.32	380.20	380.18	379.99	379.94	379.95	379.86	
7	380.28	380.29	380.56	380.39	380.17	380.32	380.16	380.15	379.99	379.93	379.98	379.85	
8	380.25	380.26	380.36	380.23	380.15	380.24	380.14	380.14	379.99	379.93	379.94	379.86	
9	380.25	380.36	380.33	380.28	380.15	380.24	380.14	380.10	379.99	379.94	379.91	379.87	
10	380.25	380.31	380.48	380.36	380.15	380.29	380.11	380.09	379.99	379.93	379.91	379.87	
11	380.25	380.35	380.41	380.29	380.15	380.34	380.18	380.11	379.99	379.93	379.90	379.85	
12	380.24	380.34	380.31	380.35	380.16	380.28	380.16	380.11	379.99	379.93	379.89	379.86	
13	380.24	380.26	380.32	380.29	380.15	380.23	380.12	380.25	379.99	379.93	379.89	379.86	
14	380.26	380.24	380.30	380.25	380.14	380.25	380.12	380.20	379.99	379.93	379.89	379.86	
15	380.27	380.22	380.34	380.25	380.16	380.40	380.10	380.14	379.98	379.92	379.89	379.87	
16	380.26	380.21	380.36	380.31	380.25	380.46	380.14	380.10	379.98	379.93	379.87	379.91	
17	380.27	380.22	380.43	380.27	380.31	380.42	380.20	380.09	379.98	379.95	379.86	379.88	
18	380.28	380.25	380.34	380.24	380.26	380.52	380.19	380.10	379.97	379.94	379.87	379.88	
19	380.26	380.20	380.30	380.27	380.28	380.35	380.15	380.10	379.97	379.94	379.90	379.90	
20	380.25	380.22	380.27	380.27	380.31	380.29	380.15	380.09	379.97	379.96	379.92	379.90	
21	380.25	380.20	380.28	380.30	380.26	380.32	380.14	380.08	379.96	379.95	379.90	379.91	
22	380.26	380.20	380.28	380.29	380.25	380.36	380.19	380.08	379.95	379.95	379.89	379.89	
23	380.30	380.19	380.26	380.29	380.23	380.49	380.33	380.08	379.95	379.95	379.87	379.89	
24	380.31	380.20	380.23	380.27	380.22	380.36	380.43	380.05	379.95	379.94	379.87	379.92	
25	380.33	380.30	380.22	380.25	380.29	380.30	380.39	380.05	379.97	379.92	379.86	380.00	
26	380.34	380.36	380.22	380.26	380.30	380.34	380.33	380.05	379.96	379.95	379.87	380.34	
27	380.37	380.30	380.24	380.27	380.30	380.38	380.29	380.05	379.93	379.95	379.87	380.33	
28	380.32	380.30	380.21	380.25	380.33	380.47	380.27	380.04	379.93	379.95	379.85	380.32	
29	380.33	380.31	380.21	380.23	380.32	380.36	380.22	380.02	379.93	379.95		380.32	
30	380.35	380.30	380.21	380.21	380.31	380.32	380.21	380.01	379.93	379.95		380.32	
31		380.31		380.18	380.27		380.21		379.93	379.94		380.33	
Mean	380.27	380.28	380.31	380.26	380.23	380.33	380.22	380.12	379.97	379.94	379.90	379.97	
Max	380.37	380.38	380.56	380.39	380.33	380.52	380.43	380.25	380.02	379.96	379.98	380.34	380.56
Min	380.23	380.19	380.21	380.18	380.14	380.20	380.10	380.01	379.93	379.92	379.85	379.85	379.85
Annual Max Momentary Gage Height	380.69	m. (MSL.) ,		at 07.00 Hours , on Jun 7, 2021									
Zero Gage at Bottom Elevation	379.90	m. (MSL.) ,		River Bed		378.70	m. (MSL.)						
Left Bank Elevation	385.62	m. (MSL.) ,											
Right Bank Elevation	386.72	m. (MSL.) ,		Drainage Are		1,223	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.30	1.70	1.70	1.00	0.68	1.30	2.24	0.80	3.58	1.76	2.30	0.98	
2	1.30	3.56	1.70	1.00	0.68	1.70	2.68	1.00	3.39	1.76	2.30	0.84	
3	1.10	2.46	1.40	0.90	0.68	1.10	2.46	1.20	3.20	2.12	2.12	0.84	
4	1.10	2.02	1.50	0.80	1.30	1.20	1.50	1.10	3.02	2.12	1.58	0.84	
5	1.10	2.02	4.45	0.76	0.90	0.80	1.10	1.10	3.20	2.12	1.58	0.84	
6	1.50	2.24	5.35	1.00	0.72	2.24	0.80	0.72	3.02	2.12	2.30	0.84	
7	1.60	1.70	17.80	3.78	0.68	2.24	0.64	0.60	3.02	1.94	2.84	0.70	
8	1.30	1.40	3.12	1.10	0.60	1.20	0.56	0.56	3.02	1.94	2.12	0.84	
9	1.30	3.12	2.46	1.60	0.60	1.20	0.56	0.40	3.02	2.12	1.58	0.98	
10	1.30	2.02	7.60	3.12	0.60	1.70	0.44	0.38	3.02	1.94	1.58	0.98	
11	1.30	2.90	4.45	1.70	0.60	2.68	0.72	0.44	3.02	1.94	1.40	0.70	
12	1.20	2.68	2.02	2.90	0.64	1.60	0.64	0.44	3.02	1.94	1.26	0.84	
13	1.20	1.40	2.24	1.70	0.60	1.10	0.48	9.00	3.02	1.94	1.26	0.84	
14	1.40	1.20	1.80	1.30	0.56	1.30	0.48	7.40	3.02	1.94	1.26	0.84	
15	1.50	1.00	2.68	1.30	0.64	4.00	0.40	6.02	2.84	1.76	1.26	0.98	
16	1.40	0.90	3.12	2.02	1.30	6.70	0.56	5.10	2.84	1.94	0.98	1.58	
17	1.50	1.00	5.35	1.50	2.02	4.90	0.80	4.91	2.84	2.30	0.84	1.12	
18	1.60	1.30	2.68	1.20	1.40	11.60	0.76	5.10	2.66	2.12	0.98	1.12	
19	1.40	0.80	1.80	1.50	1.60	2.90	0.60	5.10	2.66	2.12	1.40	1.40	
20	1.30	1.00	1.50	1.50	2.02	1.70	0.60	4.91	2.66	2.48	1.76	1.40	
21	1.30	0.80	1.60	1.80	1.40	2.24	0.56	4.72	2.48	2.30	1.40	1.58	
22	1.40	0.80	1.60	1.70	1.30	3.12	0.76	4.72	2.30	2.30	1.26	1.26	
23	1.80	0.76	1.40	1.70	1.10	8.05	2.46	4.72	2.30	2.30	0.98	1.26	
24	2.02	0.80	1.10	1.50	1.00	3.12	5.35	4.15	2.30	2.12	0.98	1.76	
25	2.46	1.80	1.00	1.30	1.70	1.80	3.78	4.15	2.66	1.76	0.84	3.20	
26	2.68	3.12	1.00	1.40	1.80	2.68	2.46	4.15	2.48	2.30	0.98	2.68	
27	3.34	1.80	1.20	1.50	1.80	3.56	1.70	4.15	1.94	2.30	0.98	2.46	
28	2.24	1.80	0.90	1.30	2.46	7.15	1.50	3.96	1.94	2.30	0.70	2.24	
29	2.46	2.02	0.90	1.10	2.24	3.12	1.00	3.58	1.94	2.30		2.24	
30	2.90	1.80	0.90	0.90	2.02	2.24	0.90	3.39	1.94	2.30		2.24	
31		2.02		0.72	1.50		0.90		1.94	2.12		2.46	
Total	49.30	53.94	86.32	46.60	37.14	90.24	40.39	97.97	84.29	64.82	40.82	42.88	734.71 CMSDAY
Mean	1.64	1.74	2.88	1.50	1.20	3.01	1.30	3.27	2.72	2.09	1.46	1.38	2.01 CMS
Max	3.34	3.56	17.80	3.78	2.46	11.60	5.35	9.00	3.58	2.48	2.84	3.20	17.80 CMS
Min	1.10	0.76	0.90	0.72	0.56	0.80	0.40	0.38	1.94	1.76	0.70	0.70	0.38 CMS
Runoff	4.26	4.66	7.46	4.03	3.21	7.80	3.49	8.46	7.28	5.60	3.53	3.70	63.48 MCM
Momentary Peak	29.40 CMS. at 380.69 m. (MSL.) at 07.00 Hours , on Jun 7, 2021												
Runoff Yield	1.50	Liters/Second/Square KM.		Momentary Peak Yield		21.86	Liters/Second/Square KM.						

WATER YEAR : 2021**PING RIVER BASIN****Nam Mae Rim at Ban Mae Rim Tai , Chiang Mai (P.21)**

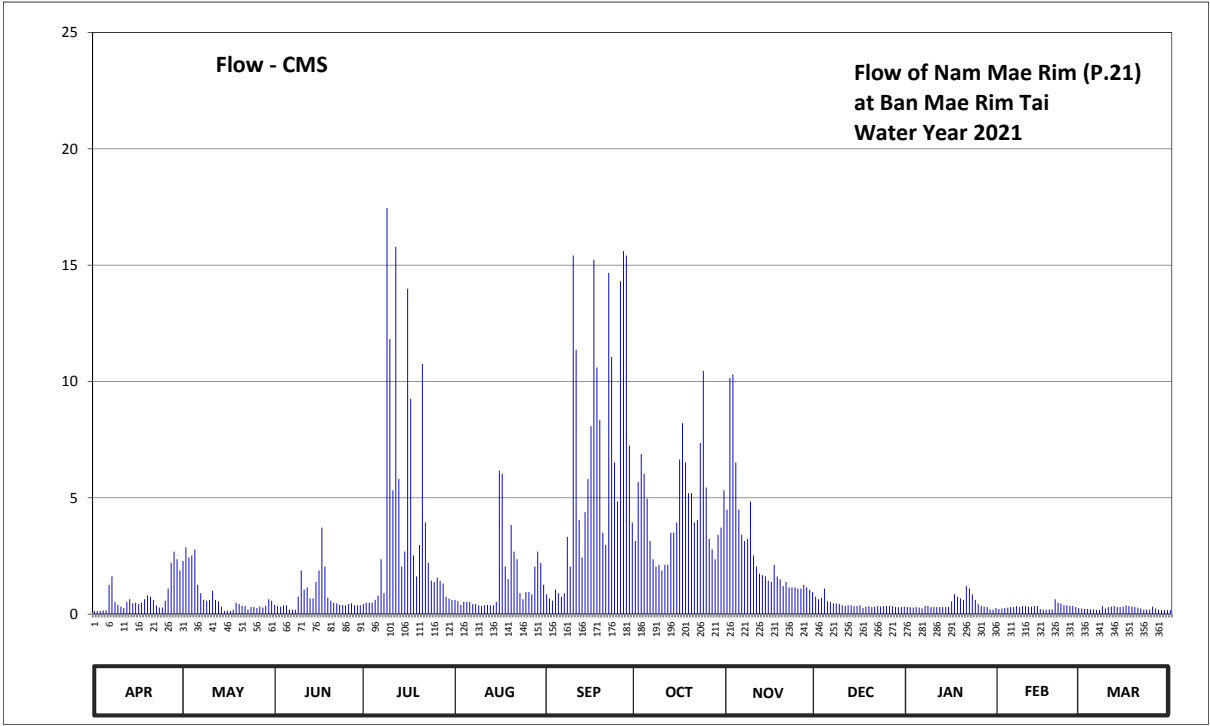
Lat 18 - 55 - 39 N Long 98 - 56 - 23 E

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.				
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 30 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	320.05	320.66	320.30	320.31	320.37	320.43	320.76	320.89	320.41	320.25	320.21	320.22	
2	320.05	320.73	320.27	320.33	320.35	320.39	320.99	321.33	320.38	320.25	320.22	320.21	
3	320.07	320.68	320.26	320.33	320.30	320.36	321.09	321.34	320.40	320.24	320.23	320.21	
4	320.11	320.69	320.29	320.33	320.34	320.47	321.02	321.06	320.48	320.25	320.24	320.20	
5	320.12	320.72	320.29	320.37	320.34	320.44	320.93	320.89	320.35	320.24	320.25	320.19	
6	320.51	320.51	320.19	320.42	320.34	320.41	320.76	320.79	320.34	320.22	320.25	320.16	
7	320.57	320.44	320.18	320.67	320.31	320.44	320.67	320.76	320.32	320.28	320.27	320.15	
8	320.34	320.37	320.18	320.44	320.31	320.78	320.63	320.77	320.32	320.28	320.25	320.27	
9	320.30	320.36	320.41	321.77	320.29	320.63	320.64	320.92	320.31	320.25	320.27	320.22	
10	320.26	320.37	320.61	321.44	320.27	321.66	320.61	320.69	320.29	320.25	320.27	320.25	
11	320.23	320.46	320.47	320.96	320.29	321.41	320.64	320.63	320.28	320.25	320.26	320.26	
12	320.34	320.37	320.49	321.68	320.30	320.85	320.64	320.59	320.29	320.25	320.26	320.27	
13	320.38	320.35	320.39	321.00	320.29	320.68	320.80	320.58	320.29	320.25	320.27	320.25	
14	320.32	320.26	320.39	320.63	320.29	320.88	320.80	320.57	320.27	320.25	320.27	320.25	
15	320.33	320.08	320.53	320.71	320.34	321.00	320.84	320.54	320.27	320.26	320.21	320.26	
16	320.31	320.09	320.61	321.58	321.03	321.19	321.07	320.53	320.29	320.35	320.18	320.29	
17	320.33	320.06	320.82	321.27	321.02	321.65	321.20	320.64	320.23	320.43	320.18	320.27	
18	320.38	320.17	320.63	320.69	320.63	321.36	321.06	320.57	320.26	320.41	320.19	320.26	
19	320.42	320.33	320.40	320.57	320.55	321.21	320.95	320.55	320.27	320.39	320.20	320.25	
20	320.41	320.31	320.36	320.74	320.83	320.80	320.95	320.50	320.25	320.37	320.38	320.24	
21	320.37	320.28	320.33	321.37	320.71	320.74	320.84	320.53	320.26	320.50	320.33	320.22	
22	320.29	320.27	320.32	320.84	320.67	321.62	320.85	320.49	320.27	320.48	320.32	320.18	
23	320.24	320.19	320.30	320.65	320.44	321.39	321.13	320.49	320.26	320.43	320.29	320.18	
24	320.24	320.25	320.30	320.54	320.38	321.06	321.35	320.49	320.27	320.37	320.29	320.19	
25	320.36	320.25	320.29	320.53	320.45	320.92	320.97	320.48	320.28	320.31	320.28	320.26	
26	320.48	320.23	320.31	320.56	320.45	321.60	320.77	320.48	320.27	320.28	320.27	320.22	
27	320.65	320.26	320.32	320.54	320.43	321.67	320.72	320.51	320.27	320.26	320.25	320.17	
28	320.71	320.24	320.29	320.52	320.63	321.66	320.67	320.49	320.25	320.25	320.23	320.16	
29	320.67	320.28	320.29	320.41	320.71	321.12	320.79	320.47	320.25	320.20		320.14	
30	320.61	320.38	320.29	320.39	320.65	320.84	320.82	320.45	320.25	320.18		320.14	
31		320.36		320.37	320.51		320.96		320.26	320.23		320.14	
Mean	320.35	320.35	320.37	320.74	320.48	320.99	320.87	320.67	320.30	320.30	320.25	320.22	
Max	320.71	320.73	320.82	321.77	321.03	321.67	321.35	321.34	320.48	320.50	320.38	320.29	321.77
Min	320.05	320.06	320.18	320.31	320.27	320.36	320.61	320.45	320.23	320.18	320.18	320.14	320.05
Annual Max Momentary Gage Height	322.52	m. (MSL.) ,		at 06.00 Hours , on Jul 9, 2021									
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						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.13	2.28	0.40	0.43	0.61	0.85	3.14	4.49	0.75	0.30	0.22	0.24		
2	0.13	2.87	0.34	0.49	0.55	0.67	5.68	10.15	0.64	0.30	0.24	0.22		
3	0.14	2.44	0.32	0.49	0.40	0.58	6.88	10.30	0.70	0.28	0.26	0.22		
4	0.16	2.52	0.38	0.49	0.52	1.05	6.04	6.52	1.10	0.30	0.28	0.20		
5	0.16	2.78	0.38	0.61	0.52	0.90	4.96	4.49	0.55	0.28	0.30	0.20		
6	1.26	1.26	0.20	0.80	0.52	0.75	3.14	3.41	0.52	0.24	0.30	0.18		
7	1.62	0.90	0.19	2.36	0.43	0.90	2.36	3.14	0.46	0.36	0.34	0.18		
8	0.52	0.61	0.19	0.90	0.43	3.32	2.04	3.23	0.46	0.36	0.30	0.34		
9	0.40	0.58	0.75	17.45	0.38	2.04	2.12	4.84	0.43	0.30	0.34	0.24		
10	0.32	0.61	1.88	11.82	0.34	15.41	1.88	2.52	0.38	0.30	0.34	0.30		
11	0.26	1.00	1.05	5.32	0.38	11.36	2.12	2.04	0.36	0.30	0.32	0.32		
12	0.52	0.61	1.15	15.78	0.40	4.05	2.12	1.74	0.38	0.30	0.32	0.34		
13	0.64	0.55	0.67	5.80	0.38	2.44	3.50	1.68	0.38	0.30	0.34	0.30		
14	0.46	0.32	0.67	2.04	0.38	4.38	3.50	1.62	0.34	0.30	0.34	0.30		
15	0.49	0.14	1.38	2.69	0.52	5.80	3.94	1.44	0.34	0.32	0.22	0.32		
16	0.43	0.15	1.88	13.99	6.16	8.08	6.64	1.38	0.38	0.55	0.19	0.38		
17	0.49	0.13	3.72	9.25	6.04	15.23	8.20	2.12	0.26	0.85	0.19	0.34		
18	0.64	0.19	2.04	2.52	2.04	10.60	6.52	1.62	0.32	0.75	0.20	0.32		
19	0.80	0.49	0.70	1.62	1.50	8.35	5.20	1.50	0.34	0.67	0.20	0.30		
20	0.75	0.43	0.58	2.96	3.83	3.50	5.20	1.20	0.30	0.61	0.64	0.28		
21	0.61	0.36	0.49	10.75	2.69	2.96	3.94	1.38	0.32	1.20	0.49	0.24		
22	0.38	0.34	0.46	3.94	2.36	14.67	4.05	1.15	0.34	1.10	0.46	0.19		
23	0.28	0.20	0.40	2.20	0.90	11.05	7.36	1.15	0.32	0.85	0.38	0.19		
24	0.28	0.30	0.40	1.44	0.64	6.52	10.45	1.15	0.34	0.61	0.38	0.20		
25	0.58	0.30	0.38	1.38	0.95	4.84	5.44	1.10	0.36	0.43	0.36	0.32		
26	1.10	0.26	0.43	1.56	0.95	14.30	3.23	1.10	0.34	0.36	0.34	0.24		
27	2.20	0.32	0.46	1.44	0.85	15.60	2.78	1.26	0.34	0.32	0.30	0.19		
28	2.69	0.28	0.38	1.32	2.04	15.41	2.36	1.15	0.30	0.30	0.26	0.18		
29	2.36	0.36	0.38	0.75	2.69	7.24	3.41	1.05	0.30	0.20		0.17		
30	1.88	0.64	0.38	0.67	2.20	3.94	3.72	0.95	0.30	0.19		0.17		
31		0.58		0.61	1.26		5.32		0.32	0.26		0.17		
Total	22.68	24.80	23.03	123.87	43.86	196.79	137.24	80.87	12.97	13.79	8.85	7.78	696.53	CMSDAY
Mean	0.76	0.80	0.77	4.00	1.41	6.56	4.43	2.70	0.42	0.44	0.32	0.25	1.91	CMS
Max	2.69	2.87	3.72	17.45	6.16	15.60	10.45	10.30	1.10	1.20	0.64	0.38	17.45	CMS
Min	0.13	0.13	0.19	0.43	0.34	0.58	1.88	0.95	0.26	0.19	0.19	0.17	0.13	CMS
Runoff	1.96	2.14	1.99	10.70	3.79	17.00	11.86	6.99	1.12	1.19	0.76	0.67	60.18	MCM
Momentary Peak	34.40	CMS.	at 322.52 m. (MSL.) at 06.00 Hours , on Jul 9, 2021											
Runoff Yield	3.77	Liters/Second/Square KM.			Momentary Peak Yield			67.98	Liters/Second/Square KM.					

WATER YEAR : 2021**PING RIVER BASIN****Nam Mae Klang at Pracha Uthit Bridge , Chiang Mai (P.24A)**

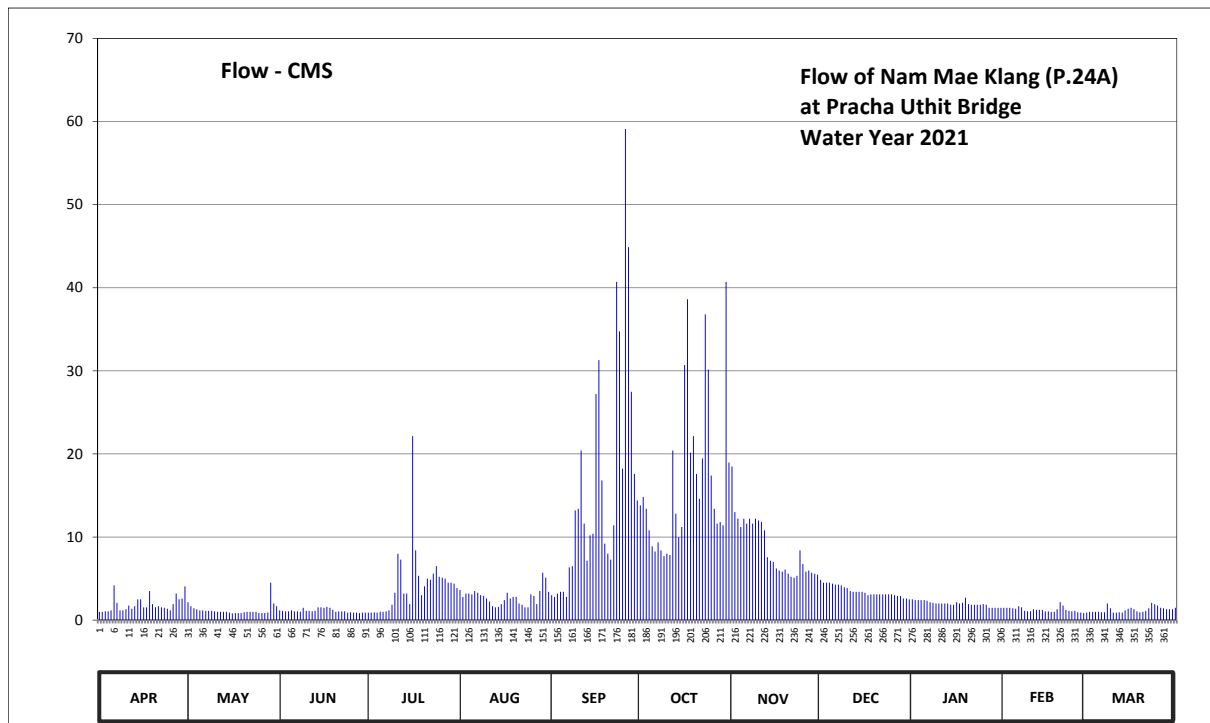
Lat 18 - 24 - 56 N Long 98 - 40 - 11 E

Location : on left bank at Pracha Uthit Bridge.

	Ban	Pracha Uthit Bridge	Amphoe	Chom Thong	Changwat	Chiang Mai
Drainage 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 28 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	275.30	275.47	275.33	275.28	275.62	275.56	276.29	276.52	275.73	275.51	275.38	275.28	
2	275.30	275.41	275.32	275.28	275.54	275.54	276.34	276.25	275.70	275.50	275.38	275.30	
3	275.31	275.37	275.31	275.29	275.58	275.58	276.27	276.21	275.70	275.50	275.38	275.30	
4	275.31	275.35	275.31	275.28	275.58	275.60	276.14	276.16	275.70	275.50	275.37	275.30	
5	275.33	275.33	275.33	275.30	275.57	275.60	276.03	276.21	275.69	275.50	275.36	275.30	
6	275.67	275.33	275.31	275.30	275.61	275.54	275.99	276.18	275.68	275.49	275.41	275.29	
7	275.46	275.32	275.31	275.31	275.59	275.85	276.06	276.21	275.68	275.47	275.39	275.29	
8	275.33	275.32	275.30	275.33	275.56	275.86	276.00	276.18	275.67	275.46	275.32	275.45	
9	275.33	275.32	275.38	275.43	275.55	276.26	275.95	276.21	275.65	275.45	275.31	275.37	
10	275.35	275.31	275.32	275.59	275.52	276.27	275.97	276.20	275.64	275.45	275.31	275.28	
11	275.42	275.30	275.32	275.97	275.48	276.60	275.96	276.19	275.61	275.45	275.35	275.28	
12	275.36	275.30	275.31	275.92	275.41	276.18	276.60	276.14	275.60	275.45	275.34	275.29	
13	275.41	275.30	275.32	275.58	275.39	275.91	276.24	275.94	275.60	275.45	275.34	275.28	
14	275.51	275.30	275.39	275.58	275.40	276.11	276.10	275.91	275.60	275.43	275.34	275.33	
15	275.51	275.28	275.39	275.44	275.44	276.12	276.16	275.90	275.60	275.43	275.31	275.36	
16	275.39	275.26	275.38	276.67	275.50	276.87	277.00	275.84	275.59	275.47	275.31	275.38	
17	275.39	275.27	275.40	276.00	275.59	277.02	277.27	275.82	275.56	275.45	275.30	275.35	
18	275.61	275.27	275.38	275.77	275.52	276.44	276.59	275.81	275.57	275.46	275.30	275.31	
19	275.44	275.27	275.34	275.56	275.54	276.05	276.67	275.83	275.57	275.53	275.35	275.29	
20	275.39	275.29	275.30	275.66	275.54	275.97	276.48	275.79	275.57	275.44	275.47	275.30	
21	275.41	275.30	275.31	275.74	275.45	275.92	276.33	275.76	275.57	275.43	275.42	275.32	
22	275.39	275.30	275.31	275.73	275.43	276.17	276.56	275.75	275.57	275.43	275.34	275.37	
23	275.38	275.30	275.31	275.79	275.39	277.34	277.21	275.77	275.57	275.43	275.32	275.46	
24	275.36	275.30	275.28	275.86	275.39	277.14	276.98	276.00	275.57	275.43	275.31	275.44	
25	275.33	275.27	275.29	275.76	275.57	276.51	276.47	275.88	275.57	275.44	275.32	275.42	
26	275.44	275.27	275.28	275.75	275.55	277.87	276.27	275.81	275.56	275.43	275.29	275.38	
27	275.58	275.27	275.28	275.74	275.44	277.47	276.18	275.82	275.55	275.38	275.28	275.37	
28	275.51	275.28	275.27	275.70	275.61	276.88	276.19	275.80	275.55	275.38	275.27	275.35	
29	275.52	275.70	275.28	275.70	275.80	276.48	276.17	275.79	275.52	275.38		275.35	
30	275.66	275.45	275.28	275.69	275.75	276.32	277.34	275.78	275.52	275.38		275.35	
31		275.41		275.64	275.60		276.54		275.51	275.38		275.38	
Mean	275.42	275.33	275.32	275.63	275.53	276.30	276.40	275.99	275.61	275.45	275.34	275.34	
Max	275.67	275.70	275.40	276.67	275.80	277.87	277.34	276.52	275.73	275.53	275.47	275.46	277.87
Min	275.30	275.26	275.27	275.28	275.39	275.54	275.95	275.75	275.51	275.38	275.27	275.28	275.26
Annual Max Momentary Gage Height	278.36	m. (MSL.) ,		at 18.00 Hours , on Sep 23, 2021									
Zero Gage at Bottom Elevation	275.00	m. (MSL.) ,		River Bed	275.00	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.00	2.16	1.18	0.90	3.62	3.00	13.80	18.48	4.86	2.50	1.48	0.90	
2	1.00	1.68	1.12	0.90	2.80	2.80	14.80	13.00	4.50	2.40	1.48	1.00	
3	1.06	1.42	1.06	0.95	3.20	3.20	13.40	12.20	4.50	2.40	1.48	1.00	
4	1.06	1.30	1.06	0.90	3.20	3.40	10.80	11.20	4.50	2.40	1.42	1.00	
5	1.18	1.18	1.18	1.00	3.10	3.40	8.88	12.20	4.39	2.40	1.36	1.00	
6	4.17	1.18	1.06	1.00	3.51	2.80	8.26	11.60	4.28	2.32	1.68	0.95	
7	2.08	1.12	1.06	1.06	3.30	6.35	9.36	12.20	4.28	2.16	1.54	0.95	
8	1.18	1.12	1.00	1.18	3.00	6.48	8.40	11.60	4.17	2.08	1.12	2.00	
9	1.18	1.12	1.48	1.84	2.90	13.20	7.70	12.20	3.95	2.00	1.06	1.42	
10	1.30	1.06	1.12	3.30	2.60	13.40	7.98	12.00	3.84	2.00	1.06	0.90	
11	1.76	1.00	1.12	7.98	2.24	20.40	7.84	11.80	3.51	2.00	1.30	0.90	
12	1.36	1.00	1.06	7.28	1.68	11.60	20.40	10.80	3.40	2.00	1.24	0.95	
13	1.68	1.00	1.12	3.20	1.54	7.14	12.80	7.56	3.40	2.00	1.24	0.90	
14	2.50	1.00	1.54	3.20	1.60	10.20	10.00	7.14	3.40	1.84	1.24	1.18	
15	2.50	0.90	1.54	1.92	1.92	10.40	11.20	7.00	3.40	1.84	1.06	1.36	
16	1.54	0.80	1.48	22.15	2.40	27.22	30.70	6.22	3.30	2.16	1.06	1.48	
17	1.54	0.85	1.60	8.40	3.30	31.28	38.60	5.96	3.00	2.00	1.00	1.30	
18	3.51	0.85	1.48	5.34	2.60	16.80	20.16	5.83	3.10	2.08	1.00	1.06	
19	1.92	0.85	1.24	3.00	2.80	9.20	22.15	6.09	3.10	2.70	1.30	0.95	
20	1.54	0.95	1.00	4.06	2.80	7.98	17.60	5.58	3.10	1.92	2.16	1.00	
21	1.68	1.00	1.06	4.98	2.00	7.28	14.60	5.22	3.10	1.84	1.76	1.12	
22	1.54	1.00	1.06	4.86	1.84	11.40	19.44	5.10	3.10	1.84	1.24	1.42	
23	1.48	1.00	1.06	5.58	1.54	40.70	36.80	5.34	3.10	1.84	1.12	2.08	
24	1.36	1.00	0.90	6.48	1.54	34.76	30.16	8.40	3.10	1.84	1.06	1.92	
25	1.18	0.85	0.95	5.22	3.10	18.24	17.40	6.74	3.10	1.92	1.12	1.76	
26	1.92	0.85	0.90	5.10	2.90	59.09	13.40	5.83	3.00	1.84	0.95	1.48	
27	3.20	0.85	0.90	4.98	1.92	44.88	11.60	5.96	2.90	1.48	0.90	1.42	
28	2.50	0.90	0.85	4.50	3.51	27.48	11.80	5.70	2.90	1.48	0.85	1.30	
29	2.60	4.50	0.90	4.50	5.70	17.60	11.40	5.58	2.60	1.48		1.30	
30	4.06	2.00	0.90	4.39	5.10	14.40	40.70	5.46	2.60	1.48		1.30	
31		1.68		3.84	3.40		18.96		2.50	1.48		1.48	
Total	56.58	38.17	33.98	133.99	86.66	486.08	521.09	259.99	107.98	61.72	35.28	38.78	1860.30 CMSDAY
Mean	1.89	1.23	1.13	4.32	2.80	16.20	16.81	8.67	3.48	1.99	1.26	1.25	5.10 CMS
Max	4.17	4.50	1.60	22.15	5.70	59.09	40.70	18.48	4.86	2.70	2.16	2.08	59.09 CMS
Min	1.00	0.80	0.85	0.90	1.54	2.80	7.70	5.10	2.50	1.48	0.85	0.90	0.80 CMS
Runoff	4.89	3.30	2.94	11.58	7.49	42.00	45.02	22.46	9.33	5.33	3.05	3.35	160.73 MCM
Momentary Peak	77.90	CMS. at 278.36 m. (MSL.) at 18.00 Hours , on Sep 23, 2021											
Runoff Yield	11.45	Liters/Second/Square KM.		Momentary Peak Yield		175.06	Liters/Second/Square KM.						

WATER YEAR : 2021**PING RIVER BASIN****Khlong Suan Mak at Ban Mai , Kamphaeng Phet (P.26A)**

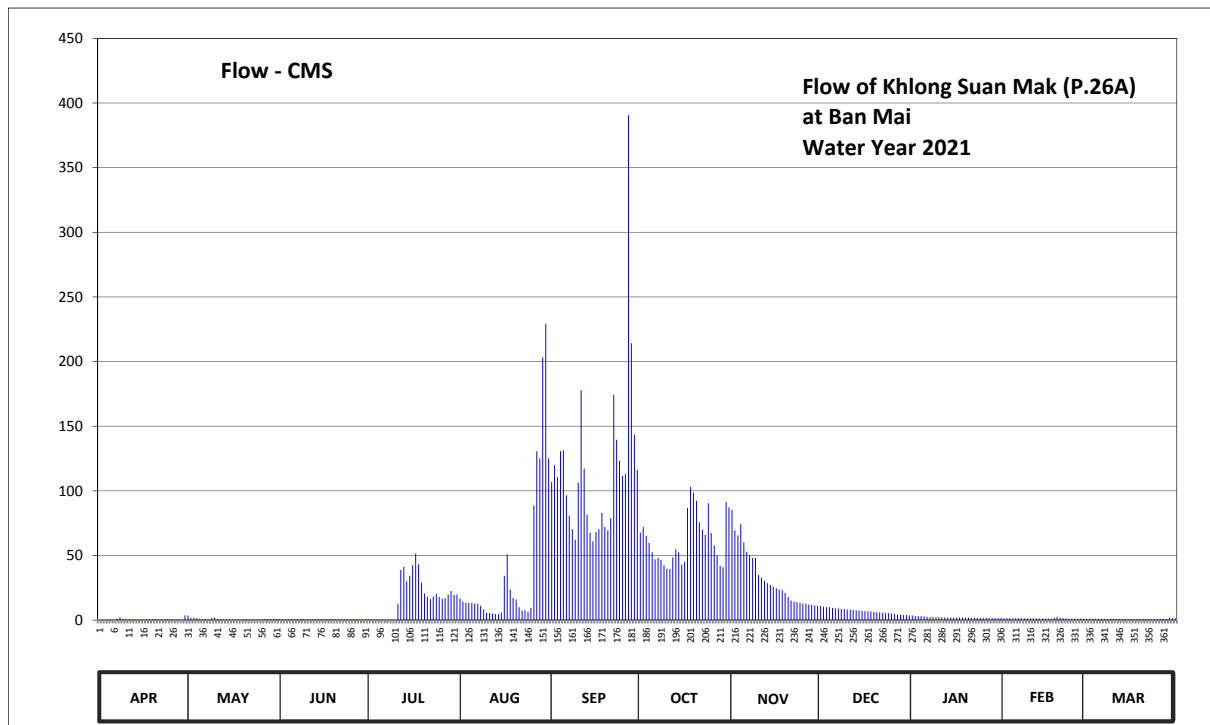
Lat 16 - 27 - 27 N Long 99 - 27 - 22 E

Location : on right bank about 615 meters downstream from tha Kradan Wair.

	Ban Mai	Amphoe Mueang	Changwat Kamphaeng Phet
Drainage Area	958	sq.km.	
Type of Gage	Staff gage.		
Zero Gage at Bottom	+84.110	m. (MSL.)	
Bench Mark	B.M.-H.D.		
Location BM	On right bank about 30 meters from the south of Wat Sri Phirom.		Elevation +90.956 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings		
Period of Available Gage Records	1971 to date		
Rating Operation			
Period of Rating	1972 - 1974 , 1980 to date		
Rated by Float	-		
Rated by Current Meter	1972 - 1974 , 1980 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	Overbank flow starts at elevation +86.580 m.(MSL.), records are channel flow only.		
General Description	Records good. Flow effected by Tha Kradan weir about 3.5 kilometers above gage site. Stage-discharge relation defined by 16 discharge measurements made in 2021.		

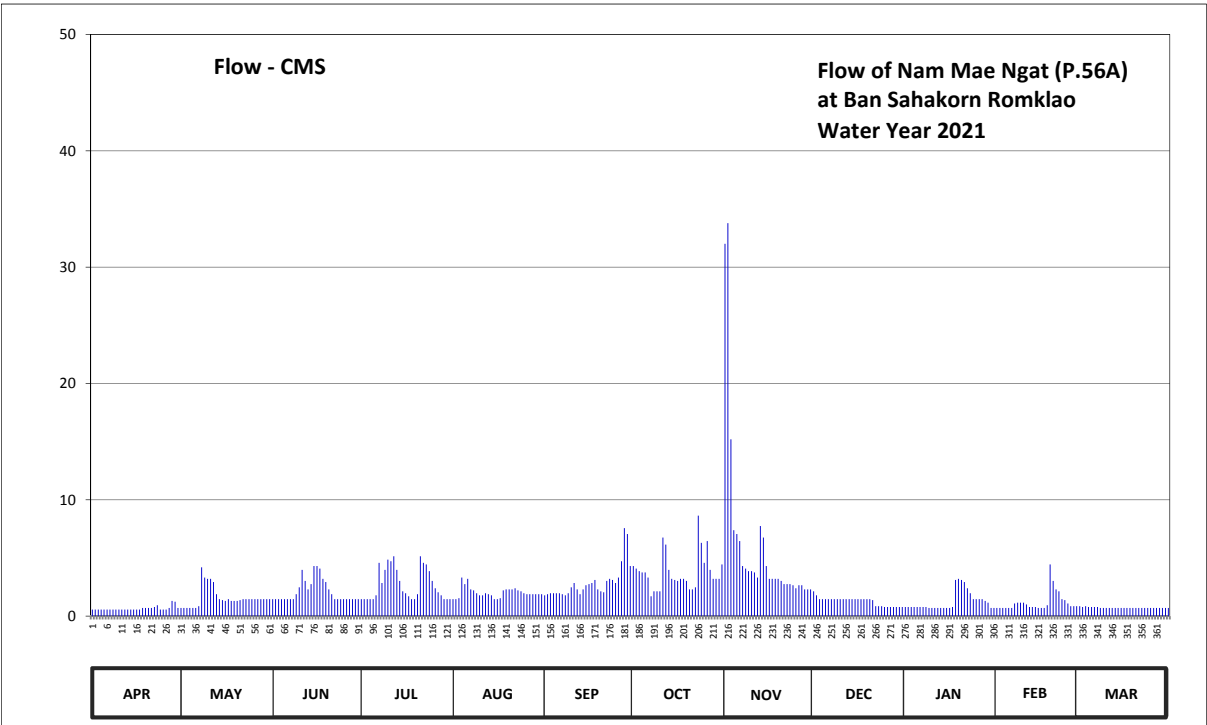
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	84.15	84.82	84.40	84.30	85.63	87.84	87.04	87.43	85.33	84.82	84.57	84.51	
2	84.15	84.62	84.40	84.27	85.52	88.05	87.14	87.08	85.30	84.79	84.57	84.51	
3	84.15	84.62	84.39	84.25	85.46	87.90	86.98	86.99	85.28	84.78	84.57	84.51	
4	84.15	84.57	84.39	84.22	85.46	88.21	86.85	87.19	85.27	84.75	84.56	84.50	
5	84.15	84.51	84.38	84.20	85.47	88.22	86.67	86.86	85.25	84.74	84.56	84.50	
6	84.15	84.39	84.38	84.17	85.44	87.65	86.53	86.68	85.23	84.71	84.56	84.50	
7	84.54	84.35	84.38	84.15	85.43	87.33	86.56	86.62	85.21	84.70	84.56	84.49	
8	84.67	84.31	84.37	84.14	85.35	87.10	86.52	86.56	85.20	84.69	84.55	84.49	
9	84.40	84.62	84.37	84.14	85.17	86.91	86.41	86.56	85.20	84.68	84.55	84.48	
10	84.31	84.64	84.37	84.14	85.00	87.83	86.34	86.21	85.16	84.67	84.55	84.48	
11	84.30	84.40	84.36	85.43	84.97	88.70	86.33	86.15	85.15	84.66	84.55	84.47	
12	84.29	84.26	84.36	86.31	84.94	88.01	86.57	86.08	85.14	84.65	84.54	84.47	
13	84.28	84.24	84.36	86.38	84.92	87.35	86.73	86.03	85.12	84.64	84.54	84.46	
14	84.27	84.24	84.35	86.07	84.91	87.04	86.67	85.99	85.11	84.64	84.54	84.46	
15	84.26	84.24	84.35	86.19	85.01	86.88	86.42	85.95	85.09	84.64	84.53	84.45	
16	84.25	84.23	84.35	86.41	86.19	87.05	86.48	85.91	85.08	84.64	84.53	84.45	
17	84.24	84.23	84.34	86.65	86.63	87.10	87.46	85.88	85.07	84.63	84.53	84.44	
18	84.23	84.23	84.34	86.43	85.88	87.38	87.77	85.87	85.06	84.63	84.63	84.44	
19	84.41	84.22	84.34	86.04	85.65	87.14	87.69	85.80	85.04	84.62	84.71	84.43	
20	84.34	84.22	84.33	85.78	85.60	87.08	87.57	85.68	85.02	84.62	84.59	84.43	
21	84.32	84.22	84.33	85.68	85.28	87.29	87.22	85.56	85.01	84.61	84.56	84.42	
22	84.30	84.22	84.33	85.61	85.10	88.67	87.09	85.51	84.99	84.61	84.55	84.42	
23	84.29	84.22	84.33	85.69	85.12	88.32	87.00	85.49	84.98	84.60	84.54	84.42	
24	84.28	84.22	84.32	85.77	85.05	88.10	87.53	85.47	84.97	84.60	84.53	84.41	
25	84.27	84.22	84.32	85.68	85.24	87.92	87.03	85.44	84.95	84.59	84.53	84.41	
26	84.26	84.26	84.32	85.62	87.50	87.94	86.80	85.43	84.92	84.59	84.52	84.41	
27	84.25	84.43	84.32	85.64	88.21	89.67	86.61	85.40	84.89	84.59	84.52	84.40	
28	84.24	84.49	84.31	85.75	88.13	88.98	86.40	85.39	84.88	84.58	84.52	84.40	
29	84.24	84.44	84.31	85.85	88.90	88.37	86.37	85.36	84.86	84.58		84.62	
30	84.84	84.42	84.31	85.74	89.07	88.00	87.55	85.34	84.86	84.58		84.58	
31		84.41		85.75	88.13		87.47		84.84	84.57		84.55	
Mean	84.30	84.37	84.35	85.37	85.95	87.80	86.90	86.06	85.08	84.65	84.56	84.47	
Max	84.84	84.82	84.40	86.65	89.07	89.67	87.77	87.43	85.33	84.82	84.71	84.62	89.67
Min	84.15	84.22	84.31	84.14	84.91	86.88	86.33	85.34	84.84	84.57	84.52	84.40	84.14
Annual Max Momentary Gage Height	89.77		m. (MSL.) ,			at 09.00 Hours , on Sep 27, 2021							
Zero Gage at Bottom Elevation	84.11		m. (MSL.) ,			River Bed	80.09	m. (MSL.)					
Left Bank Elevation	86.57		m. (MSL.) ,										
Right Bank Elevation	86.75		m. (MSL.) ,			Drainage Are	958	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.30	3.52	0.80	0.60	16.75	106.96	67.74	85.30	10.85	3.52	1.49	1.07		
2	0.30	1.86	0.80	0.54	14.40	119.78	72.09	69.48	10.35	3.22	1.49	1.07		
3	0.30	1.86	0.78	0.50	13.20	110.50	65.17	65.59	10.02	3.14	1.49	1.07		
4	0.30	1.49	0.78	0.44	13.20	130.70	59.78	74.27	9.86	2.90	1.42	1.00		
5	0.30	1.07	0.76	0.40	13.40	131.50	52.44	60.19	9.53	2.82	1.42	1.00		
6	0.30	0.78	0.76	0.34	12.80	96.50	46.98	52.84	9.20	2.58	1.42	1.00		
7	1.28	0.70	0.76	0.30	12.60	80.62	48.10	50.41	8.87	2.50	1.42	0.98		
8	2.26	0.62	0.74	0.28	11.18	70.35	46.60	48.10	8.70	2.42	1.35	0.98		
9	0.80	1.86	0.74	0.28	8.27	62.27	42.48	48.10	8.70	2.34	1.35	0.96		
10	0.62	2.02	0.74	0.28	5.80	106.37	39.85	34.98	8.12	2.26	1.35	0.96		
11	0.60	0.80	0.72	12.60	5.38	177.90	39.48	32.83	7.98	2.18	1.35	0.94		
12	0.58	0.52	0.72	38.73	4.96	117.08	48.48	30.34	7.83	2.10	1.28	0.94		
13	0.56	0.48	0.72	41.35	4.68	81.53	54.87	28.57	7.54	2.02	1.28	0.92		
14	0.54	0.48	0.70	29.99	4.54	67.74	52.44	27.18	7.40	2.02	1.28	0.92		
15	0.52	0.48	0.70	34.25	5.95	61.02	42.85	25.88	7.11	2.02	1.21	0.90		
16	0.50	0.46	0.70	42.48	34.25	68.18	45.10	24.58	6.96	2.02	1.21	0.90		
17	0.48	0.46	0.68	51.63	50.82	70.35	86.80	23.60	6.82	1.94	1.21	0.88		
18	0.46	0.46	0.68	43.23	23.60	82.89	102.98	23.28	6.67	1.94	1.94	0.88		
19	0.82	0.44	0.68	28.92	17.25	72.09	98.66	21.00	6.38	1.86	2.58	0.86		
20	0.68	0.44	0.66	20.50	16.00	69.48	92.30	18.00	6.09	1.86	1.63	0.86		
21	0.64	0.44	0.66	18.00	10.02	78.80	75.61	15.20	5.95	1.78	1.42	0.84		
22	0.60	0.44	0.66	16.25	7.25	174.33	69.92	14.20	5.66	1.78	1.35	0.84		
23	0.58	0.44	0.66	18.25	7.54	139.50	66.00	13.80	5.52	1.70	1.28	0.84		
24	0.56	0.44	0.64	20.25	6.53	123.15	90.30	13.40	5.38	1.70	1.21	0.82		
25	0.54	0.44	0.64	18.00	9.36	111.68	67.31	12.80	5.10	1.63	1.21	0.82		
26	0.52	0.52	0.64	16.50	88.80	112.86	57.70	12.60	4.68	1.63	1.14	0.82		
27	0.50	0.86	0.64	17.00	130.70	390.55	50.01	12.00	4.29	1.63	1.14	0.80		
28	0.48	0.98	0.62	19.75	125.18	214.28	42.10	11.84	4.18	1.56	1.14	0.80		
29	0.48	0.88	0.62	22.63	203.40	143.50	40.98	11.34	3.96	1.56		1.86		
30	3.74	0.84	0.62	19.50	229.29	116.40	91.30	11.01	3.96	1.56		1.56		
31		0.82		19.75	125.18		87.30		3.74	1.49		1.35		
Total	21.14	27.90	21.02	553.52	1232.28	3488.86	1943.72	972.71	217.40	65.68	39.06	30.44	8613.73	CMSDAY
Mean	0.70	0.90	0.70	17.86	39.75	116.30	62.70	32.42	7.01	2.12	1.40	0.98	23.60	CMS
Max	3.74	3.52	0.80	51.63	229.29	390.55	102.98	85.30	10.85	3.52	2.58	1.86	390.55	CMS
Min	0.30	0.44	0.62	0.28	4.54	61.02	39.48	11.01	3.74	1.49	1.14	0.80	0.28	CMS
Runoff	1.83	2.41	1.82	47.82	106.47	301.44	167.94	84.04	18.78	5.67	3.37	2.63	744.23	MCM
Momentary Peak	434.05 CMS. at 89.77 m. (MSL.) at 09.00 Hours , on Sep 27, 2021													
Runoff Yield	24.23 Liters/Second/Square KM.			Momentary Peak Yield			445.64 Liters/Second/Square KM.							



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.56	0.70	1.45	1.45	1.45	1.79	4.30	32.00	2.13	0.78	0.70	0.85	
2	0.56	0.70	1.45	1.45	1.45	1.88	4.08	33.78	1.79	0.78	0.70	0.78	
3	0.56	0.70	1.45	1.45	1.54	1.96	3.86	15.20	1.45	0.78	0.70	0.85	
4	0.56	0.70	1.45	1.45	3.31	1.96	3.75	7.38	1.45	0.78	0.70	0.78	
5	0.56	0.70	1.45	1.45	2.75	1.96	3.75	7.05	1.45	0.78	0.70	0.78	
6	0.56	0.70	1.45	1.79	3.20	1.96	3.31	6.45	1.45	0.78	0.70	0.78	
7	0.56	0.85	1.45	4.58	2.30	1.88	1.71	4.30	1.45	0.78	1.08	0.78	
8	0.56	4.19	1.45	2.84	2.22	1.79	2.13	4.08	1.45	0.78	1.15	0.70	
9	0.56	3.31	1.88	3.97	1.96	1.96	2.13	3.86	1.45	0.70	1.15	0.70	
10	0.56	3.20	2.48	4.86	1.79	2.48	2.13	3.86	1.45	0.70	1.15	0.70	
11	0.56	3.20	3.97	4.72	1.79	2.84	6.75	3.75	1.45	0.70	1.00	0.70	
12	0.56	2.93	3.02	5.14	1.96	2.30	6.15	3.31	1.45	0.70	0.78	0.70	
13	0.56	1.88	2.30	3.97	1.88	1.88	3.97	7.74	1.45	0.70	0.78	0.70	
14	0.56	1.45	2.75	3.02	1.79	2.30	3.20	6.75	1.45	0.70	0.78	0.70	
15	0.56	1.38	4.30	2.13	1.45	2.66	3.11	4.30	1.45	0.70	0.70	0.70	
16	0.56	1.30	4.30	1.96	1.45	2.75	3.02	3.20	1.45	0.70	0.70	0.70	
17	0.56	1.45	4.08	1.71	1.54	2.84	3.20	3.20	1.45	0.78	0.70	0.70	
18	0.70	1.30	3.20	1.45	2.22	3.11	3.20	3.20	1.45	3.11	0.93	0.70	
19	0.70	1.30	2.93	1.45	2.30	2.30	3.02	3.20	1.45	3.20	4.44	0.70	
20	0.70	1.30	2.30	1.88	2.30	2.13	2.30	3.02	1.45	3.11	3.02	0.70	
21	0.70	1.38	1.88	5.14	2.30	2.05	2.30	2.75	1.38	2.93	2.30	0.70	
22	0.78	1.45	1.45	4.58	2.39	3.02	2.48	2.75	0.85	2.39	2.13	0.70	
23	0.93	1.45	1.45	4.44	2.22	3.20	8.64	2.75	0.85	1.96	1.45	0.70	
24	0.56	1.45	1.45	3.86	2.13	3.11	6.30	2.66	0.85	1.45	1.38	0.70	
25	0.56	1.45	1.45	3.02	1.96	2.84	4.58	2.39	0.78	1.45	1.08	0.70	
26	0.56	1.45	1.45	2.39	1.88	3.31	6.45	2.66	0.78	1.45	0.85	0.70	
27	0.70	1.45	1.45	2.05	1.88	4.72	3.97	2.66	0.78	1.45	0.85	0.70	
28	1.30	1.45	1.45	1.79	1.88	7.56	3.20	2.30	0.78	1.30	0.85	0.70	
29	1.23	1.45	1.45	1.45	1.88	7.05	3.20	2.30	0.78	1.15		0.70	
30	0.70	1.45	1.45	1.45	1.88	4.30	3.20	2.30	0.78	0.70		0.70	
31		1.45		1.45	1.88		4.44		0.78	0.70		0.70	
Total	19.64	49.12	64.04	84.34	62.93	85.89	117.83	185.15	39.41	38.97	33.45	22.40	803.17 CMSDAY
Mean	0.65	1.58	2.13	2.72	2.03	2.86	3.80	6.17	1.27	1.26	1.19	0.72	2.20 CMS
Max	1.30	4.19	4.30	5.14	3.31	7.56	8.64	33.78	2.13	3.20	4.44	0.85	33.78 CMS
Min	0.56	0.70	1.45	1.45	1.45	1.79	1.71	2.30	0.78	0.70	0.70	0.70	0.56 CMS
Runoff	1.70	4.24	5.53	7.29	5.44	7.42	10.18	16.00	3.41	3.37	2.89	1.94	69.39 MCM
Momentary Peak	49.00 CMS. at 411.20 m. (MSL.) at 23.00 Hours , on Nov 1, 2021												
Runoff Yield	4.03	Liters/Second/Square KM.			Momentary Peak Yield			89.74	Liters/Second/Square KM.				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.74	1.50	8.20	1.90	4.10	6.82	26.53	23.70	2.14	1.26	0.96	1.74		
2	15.25	2.06	4.90	6.38	4.10	5.10	31.87	35.86	2.30	1.26	0.75	1.90		
3	11.19	3.26	3.70	8.20	4.90	5.10	35.29	37.60	2.78	1.38	1.02	1.98		
4	1.82	1.90	3.14	4.50	4.10	7.26	31.30	37.00	2.14	1.50	1.66	1.98		
5	1.50	1.82	2.90	3.02	4.30	5.10	22.32	35.29	1.98	1.44	3.50	6.38		
6	1.50	1.58	3.50	2.42	5.10	3.50	17.00	24.62	1.82	1.32	1.98	5.72		
7	1.38	1.74	5.72	3.26	3.90	4.70	14.90	20.52	1.58	2.90	2.06	2.30		
8	4.90	3.02	5.94	9.20	2.90	18.32	10.20	15.95	1.50	4.70	2.14	2.14		
9	16.30	3.90	8.45	19.64	2.30	16.30	7.48	14.20	1.50	1.90	2.14	2.14		
10	8.20	5.10	13.50	28.12	2.78	31.30	5.94	16.30	1.44	1.14	1.98	2.14		
11	2.22	5.50	17.00	21.40	3.50	33.01	5.50	14.55	1.32	1.08	1.66	1.98		
12	2.14	5.30	16.30	21.40	4.10	21.40	8.20	14.20	1.26	1.26	5.50	5.94		
13	1.58	6.16	9.20	14.90	3.38	12.84	7.04	17.00	1.20	0.96	1.98	4.10		
14	1.44	2.90	8.20	9.20	3.38	9.20	5.72	18.76	1.02	1.14	1.58	2.14		
15	1.90	1.98	9.45	7.04	4.10	14.20	5.30	16.65	0.90	3.50	1.38	2.06		
16	17.00	1.82	5.94	9.45	20.52	23.24	7.48	14.20	0.96	1.74	1.38	1.98		
17	7.04	2.54	9.20	17.00	34.72	40.00	21.40	11.85	1.02	2.30	1.44	1.98		
18	2.14	2.54	8.70	9.70	18.32	44.24	19.64	9.70	1.02	3.02	1.38	1.98		
19	1.90	2.42	5.94	7.70	10.20	52.90	12.84	8.95	1.08	2.90	6.38	7.95		
20	1.66	4.30	3.90	8.45	9.70	38.20	8.70	8.70	1.26	5.72	7.48	5.94		
21	1.44	3.50	3.02	16.30	13.85	22.32	8.45	7.26	1.26	4.10	2.14	2.30		
22	1.32	2.42	2.30	12.84	7.48	27.59	7.48	6.82	1.58	3.14	1.50	2.06		
23	1.14	8.45	2.54	9.95	4.90	35.86	28.65	7.48	1.82	1.98	1.32	1.74		
24	1.26	3.70	1.98	9.20	4.90	54.38	111.60	8.20	1.82	1.38	1.26	1.82		
25	1.82	3.14	2.14	7.95	4.90	34.72	72.10	9.20	1.58	1.14	1.02	1.74		
26	1.38	8.20	2.14	7.26	5.30	29.71	49.94	8.70	1.58	0.96	4.10	8.70		
27	1.38	9.20	1.98	6.16	5.50	64.81	33.01	9.70	1.32	0.85	3.70	7.04		
28	1.32	9.45	1.82	6.82	6.60	64.81	28.12	7.95	1.32	0.96	1.44	2.06		
29	1.44	12.51	1.74	6.38	8.70	58.82	24.62	5.50	1.20	3.70		1.66		
30	1.38	10.20	1.66	5.72	13.17	38.80	26.53	3.02	1.20	1.26		1.44		
31		8.70		4.70	8.95		28.12		1.26	1.08		1.26		
Total	116.68	140.81	175.10	306.16	234.65	824.55	723.27	469.43	46.16	62.97	64.83	96.29	3260.90	CMSDAY

WATER YEAR : 2021**PING RIVER BASIN****Nam Mae Khan at Ban Klang , Chiang Mai (P.71A)**

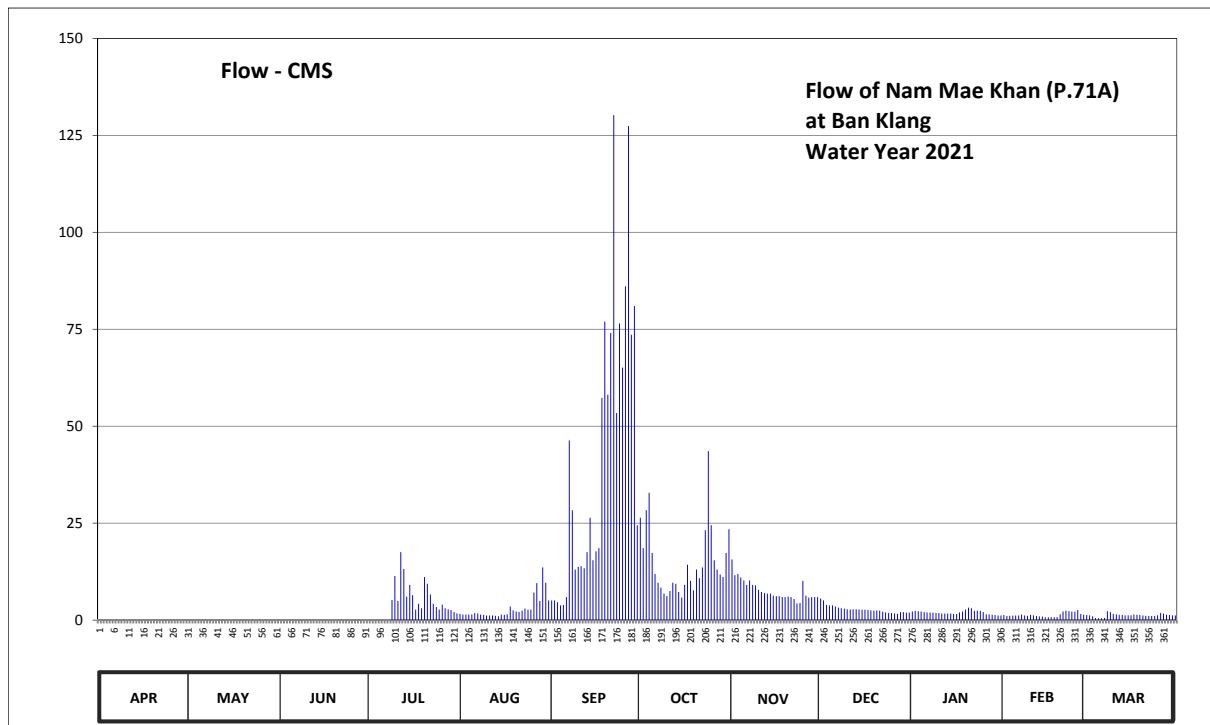
Lat 18 - 32 - 50 N Long 98 - 51 - 44 E

Location : on left bank at the bridge on highway.

	Ban Klang	Amphoe San Pa Tong	Changwat Chiang Mai
Drainage Area	1,758 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+283.285 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 3 meters from the top staff gage.	Elevation	+287.570 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. The concrete weir made by R.I.D. about 3 kilometers and the temporary weir about 300 meters downstream from the gage site. Stage-discharge relation defined by 30 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	284.54	284.50	284.04	284.04	284.32	284.74	285.88	285.43	284.78	284.42	284.26	284.26	
2	284.54	284.55	284.04	284.04	284.29	284.74	285.57	285.21	284.74	284.44	284.21	284.25	
3	284.54	284.54	284.04	284.02	284.29	284.70	285.95	285.23	284.63	284.43	284.22	284.20	
4	284.52	284.54	284.04	283.99	284.29	284.62	286.10	285.17	284.62	284.42	284.23	284.08	
5	284.49	284.54	284.04	284.00	284.30	284.63	285.51	285.12	284.62	284.39	284.24	284.06	
6	284.52	284.54	284.02	284.19	284.35	284.81	285.23	285.04	284.59	284.38	284.24	284.06	
7	284.65	284.54	283.99	284.17	284.34	286.51	285.08	285.12	284.55	284.37	284.29	284.08	
8	284.59	284.54	283.99	284.20	284.29	285.95	284.99	285.04	284.53	284.37	284.24	284.43	
9	284.35	284.54	283.98	284.75	284.27	285.29	284.88	285.03	284.52	284.36	284.22	284.39	
10	284.35	284.54	283.97	285.20	284.24	285.33	284.83	284.95	284.50	284.35	284.27	284.32	
11	284.36	284.50	283.97	284.73	284.24	285.34	284.93	284.91	284.49	284.33	284.25	284.30	
12	284.29	284.39	283.97	285.52	284.24	285.31	285.08	284.89	284.50	284.33	284.21	284.27	
13	284.29	284.39	283.97	285.30	284.22	285.52	285.06	284.88	284.50	284.33	284.19	284.26	
14	284.29	284.39	283.97	284.82	284.20	285.88	284.91	284.88	284.49	284.33	284.18	284.25	
15	284.29	284.39	284.12	285.04	284.28	285.42	284.80	284.84	284.48	284.32	284.13	284.25	
16	284.29	284.34	284.09	284.85	284.27	285.53	285.04	284.83	284.48	284.32	284.13	284.25	
17	284.29	284.19	284.25	284.49	284.30	285.57	285.36	284.83	284.47	284.38	284.14	284.29	
18	284.29	284.19	284.22	284.66	284.59	286.80	285.11	284.81	284.46	284.42	284.14	284.28	
19	284.29	284.16	284.21	284.53	284.46	287.25	284.94	284.81	284.45	284.49	284.15	284.26	
20	284.29	284.09	284.28	285.18	284.42	286.82	285.29	284.82	284.46	284.55	284.30	284.24	
21	284.29	284.09	284.23	285.06	284.40	287.19	285.16	284.81	284.45	284.53	284.42	284.22	
22	284.29	284.09	284.14	284.86	284.45	288.16	285.32	284.77	284.41	284.44	284.45	284.21	
23	284.29	284.09	284.13	284.66	284.52	286.70	285.76	284.67	284.38	284.45	284.43	284.21	
24	284.31	284.09	284.14	284.57	284.48	287.24	286.43	284.68	284.36	284.44	284.41	284.21	
25	284.43	284.09	284.12	284.49	284.49	286.99	285.81	285.11	284.35	284.39	284.41	284.25	
26	284.60	284.09	284.09	284.64	284.90	287.43	285.42	284.84	284.34	284.30	284.47	284.36	
27	284.60	284.09	284.09	284.53	285.07	288.12	285.29	284.80	284.32	284.30	284.31	284.33	
28	284.57	284.07	284.07	284.50	284.73	287.18	285.22	284.81	284.39	284.28	284.28	284.28	
29	284.61	284.04	284.04	284.47	285.32	287.33	285.18	284.81	284.39	284.26		284.26	
30	284.52	284.04	284.04	284.40	285.08	285.81	285.51	284.81	284.37	284.24		284.25	
31		284.04		284.34	284.74		285.77		284.37	284.24		284.24	
Mean	284.42	284.30	284.08	284.59	284.46	286.10	285.34	284.93	284.48	284.37	284.27	284.25	
Max	284.65	284.55	284.28	285.52	285.32	288.16	286.43	285.43	284.78	284.55	284.47	284.43	288.16
Min	284.29	284.04	283.97	283.99	284.20	284.62	284.80	284.67	284.32	284.24	284.13	284.06	283.97
Annual Max Momentary Gage Height	288.45		m. (MSL.) ,			at 15.00 Hours ,	on Sep 29, 2021						
Zero Gage at Bottom Elevation	283.29		m. (MSL.) ,			River Bed	282.44	m. (MSL.)					
Left Bank Elevation		290.15		m. (MSL.) ,									
Right Bank Elevation		290.12		m. (MSL.) ,		Drainage Are	1,758	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.00	0.00	1.62	5.08	26.40	15.63	5.56	2.24	1.30	1.30		
2	0.00	0.00	0.00	0.00	1.45	5.08	18.57	11.58	5.08	2.38	1.05	1.25		
3	0.00	0.00	0.00	0.00	1.45	4.60	28.33	11.94	3.90	2.31	1.10	1.00		
4	0.00	0.00	0.00	0.00	1.45	3.80	32.85	10.97	3.80	2.24	1.15	0.54		
5	0.00	0.00	0.00	0.00	1.50	3.90	17.31	10.24	3.80	2.04	1.20	0.48		
6	0.00	0.00	0.00	0.00	1.80	5.93	11.94	9.08	3.52	1.98	1.20	0.48		
7	0.00	0.00	0.00	0.00	1.74	46.35	9.66	10.24	3.20	1.92	1.45	0.54		
8	0.00	0.00	0.00	0.00	1.45	28.33	8.36	9.08	3.04	1.92	1.20	2.31		
9	0.00	0.00	0.00	5.20	1.35	13.02	6.84	8.94	2.96	1.86	1.10	2.04		
10	0.00	0.00	0.00	11.40	1.20	13.74	6.19	7.80	2.80	1.80	1.35	1.62		
11	0.00	0.00	0.00	4.96	1.20	13.92	7.52	7.24	2.73	1.68	1.25	1.50		
12	0.00	0.00	0.00	17.52	1.20	13.38	9.66	6.97	2.80	1.68	1.05	1.35		
13	0.00	0.00	0.00	13.20	1.10	17.52	9.37	6.84	2.80	1.68	0.96	1.30		
14	0.00	0.00	0.00	6.06	1.00	26.40	7.24	6.84	2.73	1.68	0.92	1.25		
15	0.00	0.00	0.00	9.08	1.40	15.42	5.80	6.32	2.66	1.62	0.72	1.25		
16	0.00	0.00	0.00	6.45	1.35	17.73	9.08	6.19	2.66	1.62	0.72	1.25		
17	0.00	0.00	0.00	2.73	1.50	18.57	14.28	6.19	2.59	1.98	0.76	1.45		
18	0.00	0.00	0.00	4.20	3.52	57.30	10.10	5.93	2.52	2.24	0.76	1.40		
19	0.00	0.00	0.00	3.04	2.52	77.00	7.66	5.93	2.45	2.73	0.80	1.30		
20	0.00	0.00	0.00	11.11	2.24	58.12	13.02	6.06	2.52	3.20	1.50	1.20		
21	0.00	0.00	0.00	9.37	2.10	74.05	10.82	5.93	2.45	3.04	2.24	1.10		
22	0.00	0.00	0.00	6.58	2.45	130.20	13.56	5.44	2.17	2.38	2.45	1.05		
23	0.00	0.00	0.00	4.20	2.96	53.40	23.20	4.30	1.98	2.45	2.31	1.05		
24	0.00	0.00	0.00	3.36	2.66	76.50	43.55	4.40	1.86	2.38	2.17	1.05		
25	0.00	0.00	0.00	2.73	2.73	65.09	24.48	10.10	1.80	2.04	2.17	1.25		
26	0.00	0.00	0.00	4.00	7.10	86.08	15.42	6.32	1.74	1.50	2.59	1.86		
27	0.00	0.00	0.00	3.04	9.52	127.40	13.02	5.80	1.62	1.50	1.56	1.68		
28	0.00	0.00	0.00	2.80	4.96	73.60	11.76	5.93	2.04	1.40	1.40	1.40		
29	0.00	0.00	0.00	2.59	13.56	81.00	11.11	5.93	2.04	1.30		1.30		
30	0.00	0.00	0.00	2.10	9.66	24.48	17.31	5.93	1.92	1.20		1.25		
31		0.00		1.74	5.08		23.45		1.92	1.20		1.20		
Total	0.00	0.00	0.00	137.46	94.82	1236.99	467.86	230.09	85.66	61.19	38.43	39.00	2391.50	CMSDAY
Mean	0.00	0.00	0.00	4.43	3.06	41.23	15.09	7.67	2.76	1.97	1.37	1.26	6.55	CMS
Max	0.00	0.00	0.00	17.52	13.56	130.20	43.55	15.63	5.56	3.20	2.59	2.31	130.20	CMS
Min	0.00	0.00	0.00	0.00	1.00	3.80	5.80	4.30	1.62	1.20	0.72	0.48	0.00	CMS
Runoff	0.00	0.00	0.00	11.88	8.19	106.88	40.42	19.88	7.40	5.29	3.32	3.37	206.63	MCM
Momentary Peak	151.25	CMS. at 288.45 m. (MSL.) at 15.00 Hours , on Sep 29, 2021												
Runoff Yield	3.73	Liters/Second/Square KM.				Momentary Peak Yield				86.04	Liters/Second/Square KM.			

WATER YEAR : 2021**PING RIVER BASIN****Ping River at Ban Sop Soi , Chiang Mai (P.73)**

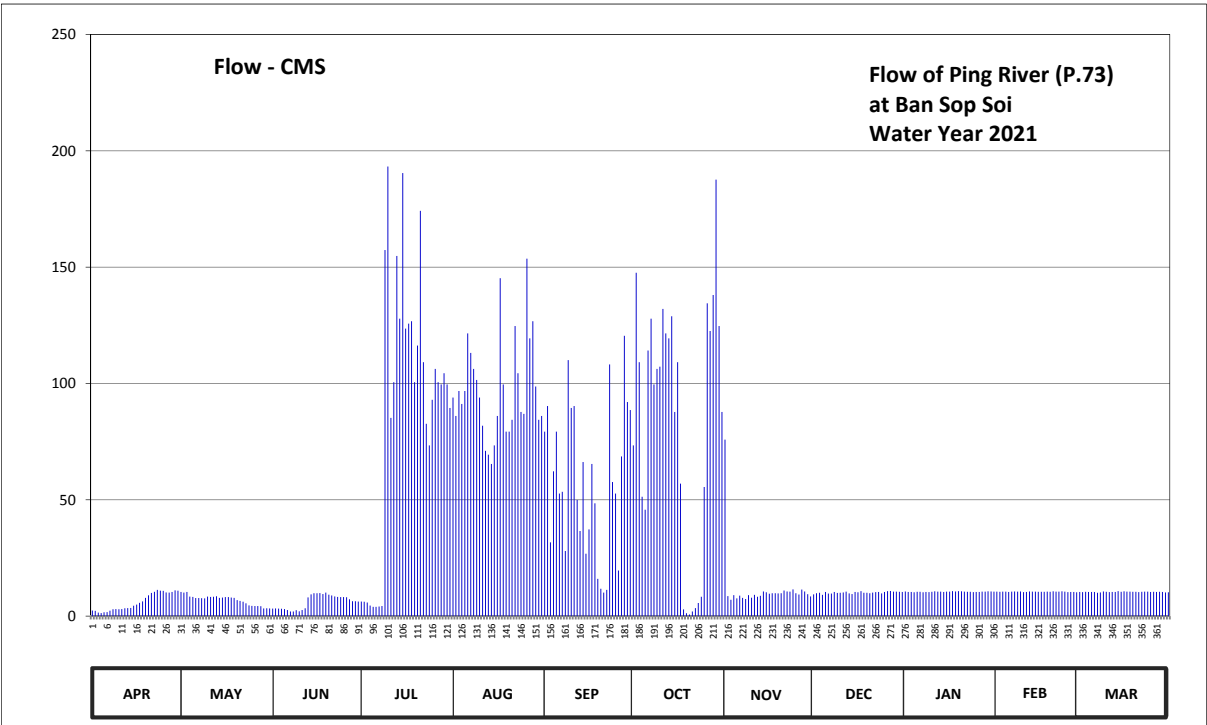
Lat 18 - 17 - 57 N Long 98 - 38 - 45 E

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 27 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	263.35	265.07	263.56	264.25	264.62	264.45	264.38	264.41	264.87	265.12	265.11	265.07	
2	263.31	265.02	263.57	264.24	264.53	264.58	265.13	264.72	264.97	265.08	265.09	265.06	
3	263.12	265.08	263.55	264.17	264.65	263.81	264.78	264.40	265.01	265.07	265.11	265.09	
4	263.08	264.68	263.54	263.89	264.59	264.24	264.09	264.80	264.83	265.05	265.10	265.08	
5	263.16	264.65	263.51	263.75	264.65	264.45	264.01	264.52	265.08	265.09	265.08	265.07	
6	263.18	264.55	263.40	263.74	264.90	264.11	264.83	264.76	264.94	265.09	265.11	265.07	
7	263.34	264.55	263.25	263.78	264.82	264.12	264.96	264.57	264.94	265.05	265.12	265.01	
8	263.49	264.54	263.25	263.84	264.75	263.75	264.68	264.47	265.07	265.07	265.10	265.04	
9	263.50	264.52	263.38	265.21	264.70	264.79	264.75	264.80	264.99	265.06	265.12	265.12	
10	263.48	264.68	263.27	265.48	264.62	264.57	264.76	264.58	265.01	265.09	265.06	265.09	
11	263.50	264.65	263.41	264.52	264.48	264.58	265.00	264.83	265.04	265.13	265.08	265.06	
12	263.59	264.66	263.59	264.69	264.35	264.07	264.90	264.66	265.11	265.11	265.12	265.07	
13	263.61	264.70	264.61	265.19	264.33	263.88	264.88	264.74	264.95	265.10	265.11	265.08	
14	263.63	264.56	264.87	264.96	264.28	264.29	264.97	265.12	264.90	265.08	265.10	265.14	
15	263.87	264.60	264.96	265.46	264.38	263.73	264.55	265.05	265.08	265.11	265.09	265.09	
16	263.99	264.64	264.96	264.92	264.53	263.89	264.78	264.92	265.05	265.10	265.09	265.13	
17	264.14	264.63	264.98	264.94	265.11	264.28	264.17	264.96	265.15	265.14	265.09	265.11	
18	264.26	264.60	264.90	264.95	264.68	264.05	262.69	264.96	265.01	265.12	265.10	265.11	
19	264.56	264.56	265.02	264.69	264.45	263.50	262.52	264.95	265.01	265.15	265.09	265.09	
20	264.79	264.38	264.84	264.85	264.45	263.35	262.47	264.97	264.97	265.13	265.13	265.09	
21	264.99	264.30	264.78	265.34	264.51	263.28	262.60	265.20	265.02	265.10	265.11	265.06	
22	265.09	264.23	264.69	264.78	264.93	263.33	262.74	265.12	265.06	265.09	265.11	265.09	
23	265.25	264.10	264.65	264.49	264.73	264.77	262.96	265.10	265.08	265.09	265.13	265.11	
24	265.18	263.90	264.64	264.38	264.55	264.18	263.19	265.30	264.95	265.06	265.11	265.10	
25	265.17	263.85	264.63	264.61	264.54	264.11	264.15	264.97	265.08	265.07	265.06	265.08	
26	265.04	263.84	264.62	264.75	265.18	263.59	265.02	264.85	265.15	265.07	265.07	265.09	
27	265.02	263.84	264.44	264.69	264.88	264.32	264.91	265.28	265.16	265.10	265.07	265.08	
28	265.08	263.81	264.28	264.68	264.95	264.89	265.05	265.12	265.11	265.11	265.05	265.09	
29	265.21	263.58	264.28	264.73	264.67	264.60	265.44	264.88	265.11	265.13		265.07	
30	265.18	263.59	264.25	264.68	264.51	264.56	264.93	264.69	265.09	265.12		265.03	
31		263.57		264.57	264.53		264.55		265.07	265.11		265.05	
Mean	264.14	264.38	264.19	264.62	264.64	264.14	264.29	264.86	265.03	265.10	265.10	265.08	
Max	265.25	265.08	265.02	265.48	265.18	264.89	265.44	265.30	265.16	265.15	265.13	265.14	265.48
Min	263.08	263.57	263.25	263.74	264.28	263.28	262.47	264.40	264.83	265.05	265.05	265.01	262.47
Annual Max Momentary Gage Height	266.16		m. (MSL.) ,				at 03.00 Hours , on Jul 10, 2021						
Zero Gage at Bottom Elevation	261.75		m. (MSL.) ,			River Bed	256.10	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, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.40	10.35	3.24	6.25	93.90	79.25	73.40	75.85	9.35	10.60	10.55	10.35	
2	2.24	10.10	3.28	6.20	86.05	90.30	147.60	8.60	9.85	10.40	10.45	10.30	
3	1.48	10.40	3.20	5.85	96.75	31.70	109.10	7.00	10.05	10.35	10.55	10.45	
4	1.32	8.40	3.16	4.56	91.15	62.20	51.30	9.00	9.15	10.25	10.50	10.40	
5	1.64	8.25	3.04	4.00	96.75	79.25	45.70	7.60	10.40	10.45	10.40	10.35	
6	1.72	7.75	2.60	3.96	121.50	52.70	114.15	8.80	9.70	10.45	10.55	10.35	
7	2.36	7.75	2.00	4.12	113.10	53.40	127.80	7.85	9.70	10.25	10.60	10.05	
8	2.96	7.70	2.00	4.36	106.25	28.00	99.60	7.35	10.35	10.35	10.50	10.20	
9	3.00	7.60	2.52	157.30	101.50	110.05	106.25	9.00	9.95	10.30	10.60	10.60	
10	2.92	8.40	2.08	193.20	93.90	89.45	107.20	7.90	10.05	10.45	10.30	10.45	
11	3.00	8.25	2.64	85.20	81.80	90.30	132.00	9.15	10.20	10.65	10.40	10.30	
12	3.36	8.30	3.36	100.55	71.00	49.90	121.50	8.30	10.55	10.55	10.60	10.35	
13	3.44	8.50	8.05	154.80	69.40	36.60	119.40	8.70	9.75	10.50	10.55	10.40	
14	3.52	7.80	9.35	127.80	65.40	66.20	128.85	10.60	9.50	10.40	10.50	10.70	
15	4.48	8.00	9.80	190.40	73.40	26.80	87.75	10.25	10.40	10.55	10.45	10.45	
16	4.96	8.20	9.80	123.60	86.05	37.30	109.10	9.60	10.25	10.50	10.45	10.65	
17	5.70	8.15	9.90	125.70	145.20	65.40	56.90	9.80	10.75	10.70	10.45	10.55	
18	6.30	8.00	9.50	126.75	99.60	48.50	2.90	9.80	10.05	10.60	10.50	10.55	
19	7.80	7.80	10.10	100.55	79.25	16.00	1.20	9.75	10.05	10.75	10.45	10.45	
20	8.95	6.90	9.20	116.25	79.25	11.75	0.70	9.85	9.85	10.65	10.65	10.45	
21	9.95	6.50	8.90	174.20	84.35	10.10	2.00	11.00	10.10	10.50	10.55	10.30	
22	10.45	6.15	8.45	109.10	124.65	11.25	3.40	10.60	10.30	10.45	10.55	10.45	
23	11.25	5.50	8.25	82.65	104.35	108.15	5.60	10.50	10.40	10.45	10.65	10.55	
24	10.90	4.60	8.20	73.40	87.75	57.60	8.35	11.50	9.75	10.30	10.55	10.50	
25	10.85	4.40	8.15	92.95	86.90	52.70	55.50	9.85	10.40	10.35	10.30	10.40	
26	10.20	4.36	8.10	106.25	153.60	19.60	134.40	9.25	10.75	10.35	10.35	10.45	
27	10.10	4.36	7.20	100.55	119.40	68.60	122.55	11.40	10.80	10.50	10.35	10.40	
28	10.40	4.24	6.40	99.60	126.75	120.45	138.00	10.60	10.55	10.55	10.25	10.45	
29	11.05	3.32	6.40	104.35	98.65	92.00	187.60	9.40	10.55	10.65		10.35	
30	10.90	3.36	6.25	99.60	84.35	88.60	124.65	8.45	10.45	10.60		10.15	
31		3.28		89.45	86.05		87.75		10.35	10.55		10.25	
Total	179.60	216.67	185.12	2773.50	3008.00	1754.10	2612.20	347.30	314.30	324.95	293.55	322.60	12331.89 CMSDAY
Mean	5.99	6.99	6.17	89.47	97.03	58.47	84.26	11.58	10.14	10.48	10.48	10.41	33.79 CMS
Max	11.25	10.40	10.10	193.20	153.60	120.45	187.60	75.85	10.80	10.75	10.65	10.70	193.20 CMS
Min	1.32	3.28	2.00	3.96	65.40	10.10	0.70	7.00	9.15	10.25	10.25	10.05	0.70 CMS
Runoff	15.52	18.72	15.99	239.63	259.89	151.55	225.69	30.01	27.16	28.08	25.36	27.87	1065.48 MCM
Momentary Peak	294.80 CMS. at 266.16 m. (MSL.) at 03.00 Hours , on Jul 10, 2021												
Runoff Yield	2.30	Liters/Second/Square KM.		Momentary Peak Yield		20.03	Liters/Second/Square KM.						

WATER YEAR : 2021**PING RIVER BASIN****Ping River at Ban Sop Pae , Chiang Mai (P.73A)**

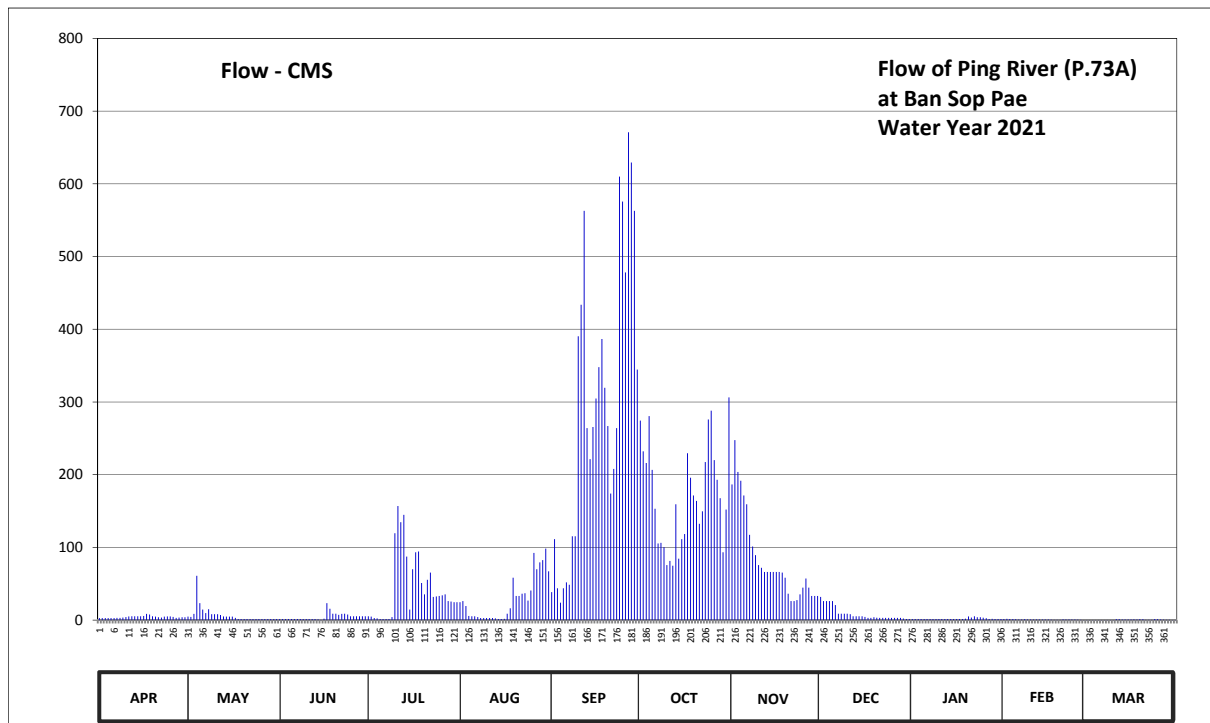
Lat 18 - 15 - 09 N Long 98 - 38 - 03 E

Location : on right bank at Ban Sop Pae.

	Ban Sop Pae	Amphoe Chom Thong	Changwat Chiang Mai
Drainage Area	14,779 sq.km.		
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 2021.		

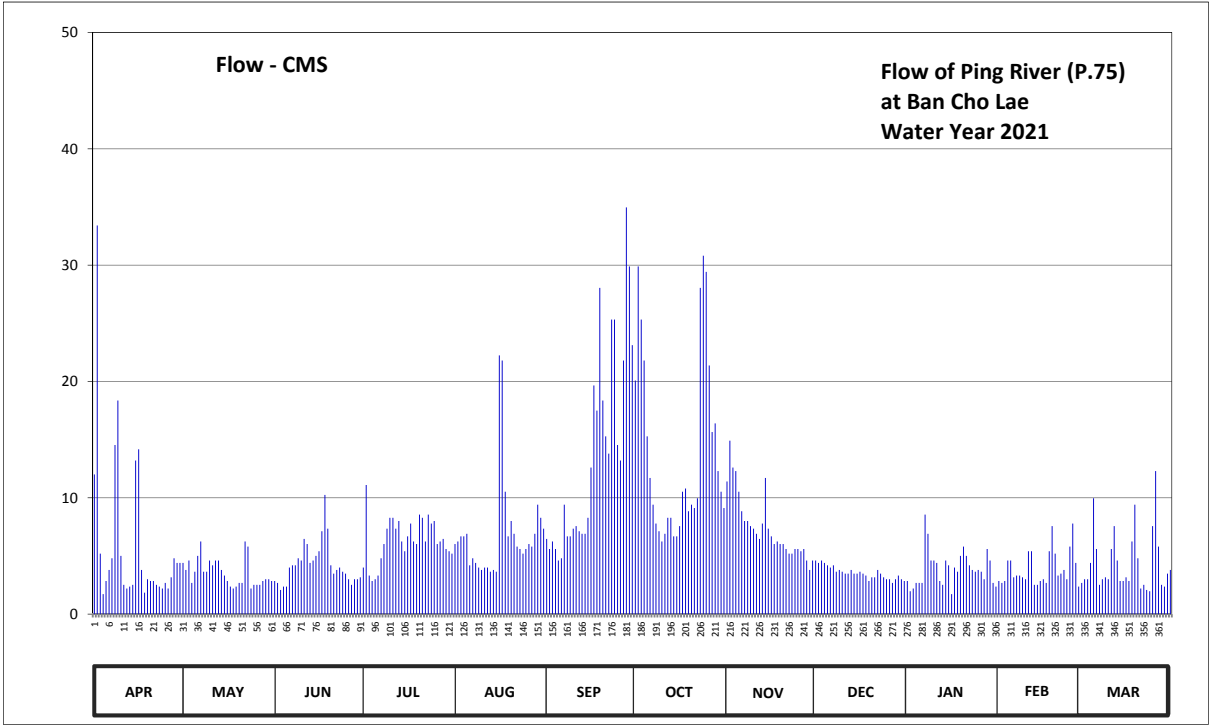
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	257.67	257.75	257.57	257.77	258.15	258.34	260.41	259.78	258.25	257.57	257.58	257.31	
2	257.67	257.74	257.57	257.75	258.17	259.13	260.12	260.23	258.17	257.57	257.61	257.29	
3	257.67	257.86	257.57	257.67	258.07	258.41	260.00	259.91	258.17	257.57	257.57	257.29	
4	257.67	258.61	257.57	257.65	257.78	258.14	260.45	259.82	258.17	257.57	257.57	257.29	
5	257.67	258.13	257.57	257.57	257.77	258.41	259.93	259.66	258.17	257.57	257.54	257.28	
6	257.67	257.99	257.57	257.57	257.77	258.51	259.51	259.56	258.09	257.57	257.47	257.27	
7	257.69	257.89	257.57	257.57	257.73	258.47	259.07	259.19	257.87	257.57	257.49	257.27	
8	257.68	258.00	257.57	257.57	257.67	259.17	259.08	259.03	257.87	257.57	257.55	257.27	
9	257.71	257.85	257.57	257.73	257.67	259.17	259.02	258.91	257.87	257.57	257.47	257.27	
10	257.73	257.85	257.57	259.21	257.67	261.11	258.77	258.77	257.87	257.57	257.47	257.27	
11	257.76	257.85	257.57	259.54	257.67	261.34	258.83	258.73	257.85	257.57	257.47	257.54	
12	257.77	257.82	257.57	259.35	257.67	261.98	258.76	258.67	257.77	257.57	257.47	257.54	
13	257.77	257.76	257.57	259.44	257.65	260.34	259.56	258.67	257.77	257.57	257.47	257.47	
14	257.77	257.75	257.52	258.89	257.57	260.04	258.86	258.67	257.77	257.57	257.47	257.47	
15	257.77	257.75	257.37	257.99	257.57	260.35	259.13	258.67	257.77	257.57	257.47	257.46	
16	257.78	257.75	257.62	258.71	257.61	260.61	259.20	258.67	257.74	257.57	257.47	257.47	
17	257.86	257.69	258.13	258.95	257.87	260.87	260.10	258.67	257.68	257.57	257.45	257.52	
18	257.84	257.57	258.01	258.96	258.02	261.09	259.85	258.66	257.69	257.57	257.40	257.48	
19	257.77	257.57	257.87	258.50	258.58	260.70	259.66	258.58	257.72	257.62	257.37	257.54	
20	257.75	257.57	257.87	258.30	258.27	260.36	259.60	258.31	257.70	257.76	257.39	257.54	
21	257.72	257.57	257.83	258.55	258.27	259.68	259.33	258.17	257.68	257.71	257.50	257.39	
22	257.71	257.57	257.86	258.66	258.31	259.94	259.48	258.17	257.68	257.77	257.47	257.38	
23	257.75	257.57	257.87	258.25	258.32	260.34	260.01	258.19	257.68	257.72	257.47	257.40	
24	257.76	257.57	257.84	258.26	258.18	262.20	260.42	258.30	257.68	257.72	257.47	257.60	
25	257.76	257.57	257.77	258.27	258.37	262.04	260.50	258.42	257.68	257.70	257.47	257.55	
26	257.74	257.57	257.77	258.28	258.94	261.57	260.03	258.57	257.68	257.66	257.45	257.49	
27	257.68	257.57	257.77	258.30	258.71	262.48	259.83	258.42	257.68	257.59	257.36	257.43	
28	257.71	257.57	257.77	258.17	258.81	262.29	259.63	258.27	257.68	257.61	257.32	257.40	
29	257.72	257.57	257.77	258.16	258.84	261.98	258.95	258.27	257.64	257.60		257.36	
30	257.72	257.57	257.77	258.15	259.00	260.85	259.50	258.27	257.57	257.57		257.28	
31		257.57		258.15	258.68		260.62		257.57	257.57		257.27	
Mean	257.73	257.74	257.69	258.32	258.11	260.33	259.62	258.81	257.81	257.61	257.47	257.40	
Max	257.86	258.61	258.13	259.54	259.00	262.48	260.62	260.23	258.25	257.77	257.61	257.60	262.48
Min	257.67	257.57	257.37	257.57	257.57	258.14	258.76	258.17	257.57	257.57	257.32	257.27	257.27
Annual Max Momentary Gage Height	262.77		m. (MSL.) ,			at 20.00 Hours , on Sep 27, 2021							
Zero Gage at Bottom Elevation	257.67		m. (MSL.) ,			River Bed	254.57	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, 2021 to March 31, 2022

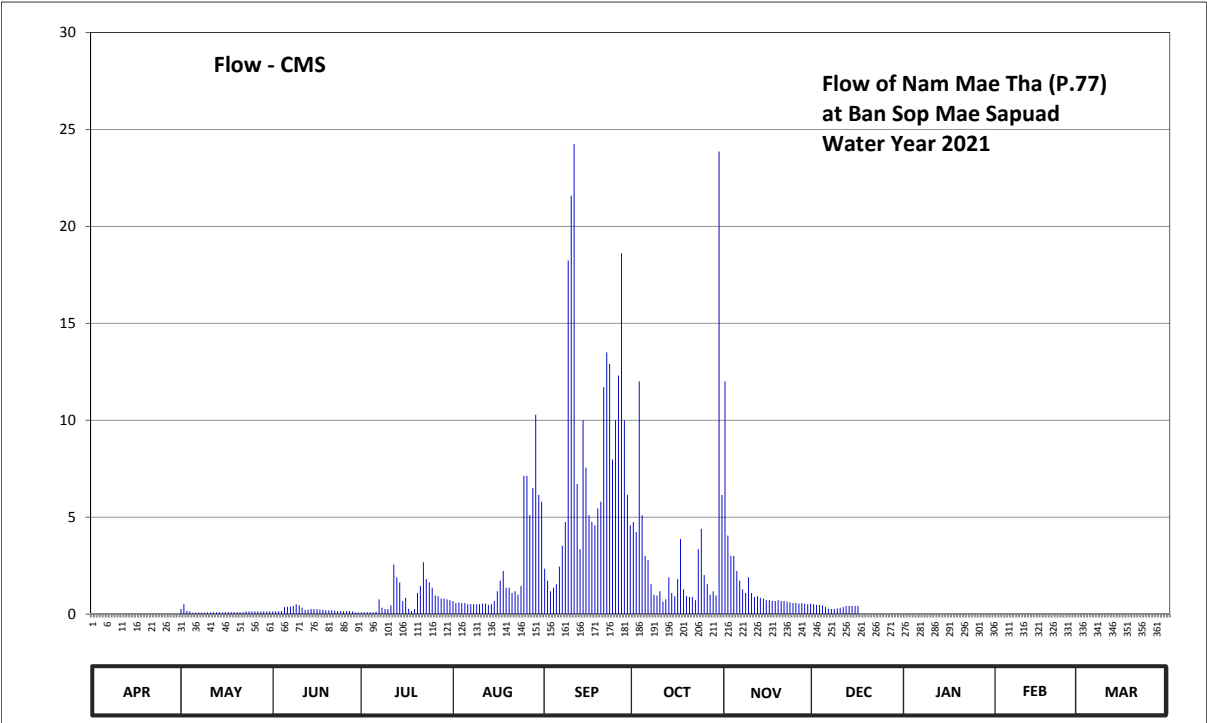
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.79	4.75	1.42	5.33	24.70	38.50	274.50	186.50	31.85	1.42	1.48	0.23	
2	2.79	4.46	1.42	4.75	26.10	111.30	232.20	247.50	26.10	1.42	1.77	0.18	
3	2.79	8.48	1.42	2.79	19.34	43.80	216.00	203.85	26.10	1.42	1.42	0.18	
4	2.79	60.90	1.42	2.45	5.62	24.00	280.50	191.70	26.10	1.42	1.42	0.18	
5	2.79	23.30	1.42	1.42	5.33	43.80	206.55	171.50	26.10	1.42	1.24	0.16	
6	2.79	14.50	1.42	1.42	5.33	51.90	153.20	159.20	20.58	1.42	0.85	0.14	
7	3.13	9.62	1.42	1.42	4.17	48.60	105.30	117.30	8.86	1.42	0.95	0.14	
8	2.96	15.00	1.42	1.42	2.79	115.30	106.30	101.30	8.86	1.42	1.30	0.14	
9	3.59	8.10	1.42	4.17	2.79	115.30	100.30	89.39	8.86	1.42	0.85	0.14	
10	4.17	8.10	1.42	119.38	2.79	390.35	75.65	75.65	8.86	1.42	0.85	0.14	
11	5.04	8.10	1.42	156.80	2.79	433.60	81.47	71.85	8.10	1.42	0.85	1.24	
12	5.33	6.96	1.42	134.58	2.79	562.80	74.70	66.30	5.33	1.42	0.85	1.24	
13	5.33	5.04	1.42	144.80	2.45	264.00	159.20	66.30	5.33	1.42	0.85	0.85	
14	5.33	4.75	1.12	87.41	1.42	221.40	84.44	66.30	5.33	1.42	0.85	0.85	
15	5.33	4.75	0.41	14.50	1.42	265.50	111.30	66.30	5.33	1.42	0.85	0.80	
16	5.62	4.75	1.94	69.95	1.77	304.65	118.30	66.30	4.46	1.42	0.85	0.85	
17	8.48	3.13	23.30	93.35	8.86	347.90	229.50	66.30	2.96	1.42	0.75	1.12	
18	7.72	1.42	15.62	94.34	16.24	386.65	195.75	65.40	3.13	1.42	0.50	0.90	
19	5.33	1.42	8.86	51.00	58.20	319.50	171.50	58.20	3.88	1.94	0.41	1.24	
20	4.75	1.42	8.86	35.50	33.31	267.00	164.00	36.25	3.30	5.04	0.47	1.24	
21	3.88	1.42	7.34	55.50	33.31	174.00	132.41	26.10	2.96	3.59	1.00	0.47	
22	3.59	1.42	8.48	65.40	36.25	207.90	149.60	26.10	2.96	5.33	0.85	0.44	
23	4.75	1.42	8.86	31.85	37.00	264.00	217.35	27.50	2.96	3.88	0.85	0.50	
24	5.04	1.42	7.72	32.58	26.80	610.00	276.00	35.50	2.96	3.88	0.85	1.60	
25	5.04	1.42	5.33	33.31	40.75	575.60	288.00	44.60	2.96	3.30	0.85	1.30	
26	4.46	1.42	5.33	34.04	92.36	478.15	220.05	57.30	2.96	2.62	0.75	0.95	
27	2.96	1.42	5.33	35.50	69.95	671.00	193.05	44.60	2.96	1.54	0.38	0.65	
28	3.59	1.42	5.33	26.10	79.49	629.35	167.75	33.31	2.96	1.77	0.26	0.50	
29	3.88	1.42	5.33	25.40	82.46	562.80	93.35	33.31	2.28	1.60		0.38	
30	3.88	1.42	5.33	24.70	98.30	344.50	152.00	33.31	1.42	1.42		0.16	
31		1.42		24.70	67.20		306.30		1.42	1.42		0.14	
Total	129.92	214.57	142.95	1415.86	892.08	8873.15	5336.52	2535.02	268.22	62.89	25.15	19.05	19915.38 CMSDAY
Mean	4.33	6.92	4.77	45.67	28.78	295.77	172.15	84.50	8.65	2.03	0.90	0.61	54.56 CMS
Max	8.48	60.90	23.30	156.80	98.30	671.00	306.30	247.50	31.85	5.33	1.77	1.60	671.00 CMS
Min	2.79	1.42	0.41	1.42	1.42	24.00	74.70	26.10	1.42	1.42	0.26	0.14	0.14 CMS
Runoff	11.23	18.54	12.35	122.33	77.08	766.64	461.08	219.03	23.17	5.43	2.17	1.65	1720.69 MCM
Momentary Peak	737.10	CMS.	at 262.77 m. (MSL.)	on Sep 27, 2021									
Runoff Yield	3.69	Liters/Second/Square KM.			Momentary Peak Yield	49.87	Liters/Second/Square KM.						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	12.00	4.40	2.84	4.00	6.02	6.46	20.08	11.40	4.60	2.84	2.84	2.68		
2	33.40	3.80	2.68	11.10	6.24	5.60	29.88	14.91	4.40	1.96	2.68	3.00		
3	5.20	4.60	2.08	3.32	6.68	6.24	25.32	12.60	4.60	2.20	2.84	3.00		
4	1.72	2.68	2.36	2.84	6.68	5.60	21.80	12.30	4.40	2.68	4.60	4.40		
5	2.84	3.64	2.36	3.00	6.90	4.60	15.28	10.52	4.20	2.68	4.60	9.96		
6	3.80	5.00	4.00	3.32	4.20	4.80	11.70	8.84	4.00	2.68	3.16	5.60		
7	4.80	6.24	4.20	4.80	4.80	9.40	9.40	8.00	4.20	8.56	3.32	2.52		
8	14.54	3.64	4.20	6.02	4.40	6.68	7.78	8.00	3.64	6.90	3.32	3.00		
9	18.36	3.64	4.80	7.34	4.00	6.68	7.12	7.56	3.80	4.60	3.16	3.16		
10	5.00	4.60	4.60	8.28	3.80	7.34	6.24	7.34	3.64	4.60	3.00	3.00		
11	2.52	4.20	6.46	8.28	4.00	7.56	6.90	6.90	3.48	4.40	5.40	5.60		
12	2.20	4.60	6.02	7.34	4.00	7.12	8.28	6.46	3.48	2.84	5.40	7.56		
13	2.36	4.60	4.40	8.00	3.64	6.90	8.28	7.78	3.80	2.52	2.52	4.60		
14	2.52	3.80	4.60	6.24	3.80	6.90	6.68	11.70	3.48	4.60	2.52	2.84		
15	13.20	3.32	5.00	5.40	3.64	8.28	6.68	7.34	3.48	4.20	2.84	2.84		
16	14.17	2.84	5.40	6.68	22.24	12.60	7.56	6.68	3.64	1.72	3.00	3.16		
17	3.80	2.36	7.12	7.78	21.80	19.65	10.52	6.02	3.48	4.00	2.68	2.84		
18	1.84	2.20	10.24	6.24	10.52	17.50	10.80	6.24	3.32	3.64	5.40	6.24		
19	3.00	2.36	7.34	6.02	6.68	28.04	8.84	6.02	2.84	5.00	7.56	9.40		
20	2.84	2.68	4.20	8.56	8.00	18.36	9.40	6.02	3.16	5.80	5.20	4.80		
21	2.84	2.68	3.48	8.28	6.90	15.28	9.12	5.60	3.16	5.00	3.32	2.20		
22	2.52	6.24	3.80	6.24	5.80	13.80	9.96	5.20	3.80	4.20	3.48	2.52		
23	2.36	5.80	4.00	8.56	5.60	25.32	28.04	5.20	3.48	3.80	3.80	2.08		
24	2.20	2.20	3.64	7.78	5.20	25.32	30.80	5.60	3.16	3.64	3.00	1.96		
25	2.68	2.52	3.48	8.00	5.60	14.54	29.42	5.60	3.00	3.80	5.80	7.56		
26	2.20	2.52	3.00	6.02	6.02	13.20	21.37	5.40	3.00	3.64	7.78	12.30		
27	3.16	2.52	2.52	6.24	5.80	21.80	15.65	5.60	2.68	3.00	4.40	5.80		
28	4.80	2.84	3.00	6.46	6.90	34.96	16.39	4.60	3.00	5.60	2.36	2.52		
29	4.40	3.00	3.00	5.60	9.40	29.88	12.30	3.80	3.32	4.60		2.36		
30	4.40	3.00	3.16	5.40	8.28	23.12	10.52	4.60	3.00	2.68		3.48		
31		2.84		5.20	7.34		9.12		2.84	2.36		3.80		
Total	181.67	111.36	127.98	198.34	214.88	413.53	431.23	223.83	110.08	120.74	109.98	136.78	2380.40	CMSDAY
Mean	6.06	3.59	4.27	6.40	6.93	13.78	13.91	7.46	3.55	3.89	3.93	4.41	6.52	CMS
Max	33.40	6.24	10.24	11.10	22.24	34.96	30.80	14.91	4.60	8.56	7.78	12.30	34.96	CMS
Min	1.72	2.20	2.08	2.84	3.64	4.60	6.24	3.80	2.68	1.72	2.36	1.96	1.72	CMS
Runoff	15.70	9.62	11.06	17.14	18.57	35.73	37.26	19.34	9.51	10.43	9.50	11.82	205.67	MCM
Momentary Peak	47.75 CMS. at 339.01 m. (MSL.) at 19.00 Hours , on Oct 23, 2021													
Runoff Yield	2.23	Liters/Second/Square KM.			Momentary Peak Yield			16.35	Liters/Second/Square KM.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.04	0.86	0.76	0.62	2.20	2.90	17.18	10.14	1.60	0.88	0.78	0.76	
2	0.04	1.20	0.76	0.60	2.00	2.30	10.40	7.80	1.60	1.10	0.78	0.74	
3	0.02	0.96	0.74	0.60	1.90	3.70	21.98	6.33	1.50	0.88	0.78	0.76	
4	0.02	0.84	0.76	0.58	1.80	2.60	13.16	5.63	1.50	0.84	0.76	0.80	
5	0.02	0.76	0.74	0.56	1.70	4.93	9.10	5.10	1.50	0.84	0.76	0.78	
6	0.02	0.76	0.74	0.56	1.60	4.93	6.33	4.58	1.50	0.84	0.80	0.76	
7	0.02	0.80	0.74	0.60	1.40	4.75	6.15	3.35	1.50	0.84	0.78	0.76	
8	0.02	0.78	0.74	0.60	1.30	10.40	5.63	3.70	1.40	0.86	0.78	0.76	
9	0.02	0.74	0.74	0.62	1.20	47.00	5.28	3.35	1.30	0.86	0.80	0.74	
10	0.02	0.72	0.78	0.64	1.10	183.75	4.93	3.35	1.20	0.84	0.78	0.74	
11	0.06	0.92	0.76	0.72	1.10	105.25	7.02	3.70	1.20	0.82	0.74	0.78	
12	0.72	1.30	0.76	0.76	1.10	44.50	4.58	3.88	1.20	0.82	0.72	0.74	
13	0.74	1.10	0.78	0.80	1.10	27.08	6.76	3.18	1.20	0.82	0.72	0.74	
14	0.64	1.00	0.78	0.80	1.10	15.35	6.33	3.00	1.10	0.82	0.72	0.70	
15	0.58	0.98	0.78	0.80	1.00	10.92	5.28	2.80	1.00	0.82	0.76	0.56	
16	0.54	0.92	0.78	1.40	1.10	33.45	5.63	2.70	0.98	0.82	0.76	0.56	
17	0.54	0.88	0.80	5.45	1.20	50.50	9.36	2.30	0.98	0.84	0.76	0.62	
18	0.56	0.80	0.78	5.28	1.40	33.88	12.43	2.90	0.96	0.84	0.76	0.60	
19	0.62	0.80	0.76	4.58	1.20	21.98	10.14	2.60	0.96	0.84	0.80	0.62	
20	0.64	0.78	0.76	4.40	1.20	12.07	12.07	2.40	0.96	0.94	0.80	0.62	
21	0.64	0.78	0.72	3.88	1.20	11.44	9.10	2.50	0.96	1.10	0.76	0.76	
22	0.62	0.74	0.70	3.18	1.20	28.35	8.32	2.40	0.96	0.88	0.86	0.72	
23	0.56	0.74	0.70	2.90	1.30	101.38	14.26	2.10	0.94	1.30	0.78	0.72	
24	0.52	0.72	0.68	2.30	1.30	145.80	19.00	2.10	0.94	1.40	0.86	0.72	
25	0.52	0.72	0.68	2.20	1.30	89.50	14.62	2.20	0.94	1.30	0.82	0.70	
26	0.50	0.72	0.66	2.00	1.60	88.35	9.62	2.10	0.92	0.98	0.80	0.68	
27	0.46	0.80	0.66	1.90	1.60	73.60	7.02	2.10	0.90	0.98	0.80	0.68	
28	0.90	0.86	0.66	2.10	1.50	100.75	5.98	2.00	0.94	0.94	0.78	0.68	
29	1.00	0.84	0.66	2.90	1.60	53.00	7.02	1.80	0.92	0.90		0.68	
30	0.88	0.82	0.64	2.60	2.60	30.90	7.54	1.90	0.90	0.86		0.66	
31		0.76		2.20	2.80		4.23		0.86	0.80		0.66	
Total	12.48	26.40	22.00	59.13	45.70	1345.31	286.45	103.99	35.32	28.60	21.80	21.80	2008.98
Mean	0.42	0.85	0.73	1.91	1.47								



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.26	0.14	0.09	0.68	2.34	4.75	12.00	0.51	0.00	0.00	0.00		
2	0.00	0.51	0.14	0.10	0.57	1.72	4.23	4.05	0.48	0.00	0.00	0.00		
3	0.00	0.16	0.14	0.10	0.60	1.18	12.00	3.00	0.48	0.00	0.00	0.00		
4	0.00	0.14	0.16	0.10	0.57	1.36	5.10	3.00	0.45	0.00	0.00	0.00		
5	0.00	0.08	0.36	0.10	0.57	1.54	3.00	2.23	0.36	0.00	0.00	0.00		
6	0.00	0.08	0.39	0.12	0.51	2.45	2.78	1.72	0.28	0.00	0.00	0.00		
7	0.00	0.08	0.39	0.76	0.51	3.53	1.54	1.27	0.26	0.00	0.00	0.00		
8	0.00	0.08	0.42	0.33	0.51	4.75	1.00	1.09	0.26	0.00	0.00	0.00		
9	0.00	0.08	0.51	0.26	0.51	18.24	0.96	1.90	0.30	0.00	0.00	0.00		
10	0.00	0.08	0.45	0.26	0.51	21.58	1.18	1.09	0.33	0.00	0.00	0.00		
11	0.00	0.08	0.33	0.45	0.54	24.24	0.64	0.88	0.36	0.00	0.00	0.00		
12	0.00	0.10	0.22	2.56	0.54	6.71	0.76	0.92	0.42	0.00	0.00	0.00		
13	0.00	0.10	0.22	1.90	0.48	3.35	1.90	0.84	0.42	0.00	0.00	0.00		
14	0.00	0.10	0.26	1.63	0.51	10.00	1.09	0.80	0.42	0.00	0.00	0.00		
15	0.00	0.09	0.26	0.68	0.68	7.55	0.92	0.72	0.42	0.00	0.00	0.00		
16	0.00	0.10	0.26	0.84	1.18	5.10	1.81	0.72	0.42	0.00	0.00	0.00		
17	0.00	0.10	0.22	0.28	1.72	4.75	3.88	0.68	0.00	0.00	0.00	0.00		
18	0.00	0.10	0.22	0.16	2.23	4.58	1.27	0.68	0.00	0.00	0.00	0.00		
19	0.00	0.10	0.20	0.26	1.36	5.45	0.92	0.72	0.00	0.00	0.00	0.00		
20	0.00	0.10	0.20	1.09	1.36	5.80	0.88	0.68	0.00	0.00	0.00	0.00		
21	0.00	0.10	0.20	1.45	1.09	11.70	0.88	0.68	0.00	0.00	0.00	0.00		
22	0.00	0.10	0.18	2.67	1.18	13.50	0.72	0.64	0.00	0.00	0.00	0.00		
23	0.00	0.14	0.16	1.81	1.00	12.90	3.35	0.60	0.00	0.00	0.00	0.00		
24	0.00	0.14	0.16	1.63	1.45	7.97	4.40	0.57	0.00	0.00	0.00	0.00		
25	0.00	0.14	0.16	1.36	7.13	10.00	2.01	0.57	0.00	0.00	0.00	0.00		
26	0.00	0.14	0.16	0.96	7.13	12.30	1.54	0.54	0.00	0.00	0.00	0.00		
27	0.00	0.14	0.16	0.92	5.10	18.61	1.00	0.57	0.00	0.00	0.00	0.00		
28	0.00	0.14	0.14	0.80	6.50	10.00	1.18	0.54	0.00	0.00	0.00	0.00		
29	0.00	0.14	0.09	0.80	10.28	6.15	0.96	0.51	0.00	0.00	0.00	0.00		
30	0.00	0.14	0.09	0.76	6.15	4.58	23.86	0.54	0.00	0.00	0.00	0.00		
31		0.14		0.72	5.80		6.15		0.00	0.00		0.00		
Total	0.00	3.98	6.99	25.95	68.95	243.93	96.66	44.75	6.17	0.00	0.00	0.00	497.38	CMSDAY
Mean	0.00	0.13	0.23	0.84	2.22	8.13	3.12	1.49	0.20	0.00	0.00	0.00	1.36	CMS
Max	0.00	0.51	0.51	2.67	10.28	24.24	23.86	12.00	0.51	0.00	0.00	0.00	24.24	CMS
Min	0.00	0.08	0.09	0.09	0.48	1.18	0.64	0.51	0.00	0.00	0.00	0.00	0.00	CMS
Runoff	0.00	0.34	0.60	2.24	5.96	21.08	8.35	3.87	0.53	0.00	0.00	0.00	42.97	MCM
Momentary Peak	105.50	CMS. at 368.38 m. (MSL.) at 08.00 Hours , on Oct 30, 2021												
Runoff Yield	2.47	Liters/Second/Square KM.				Momentary Peak Yield		191.12	Liters/Second/Square KM.					

WATER YEAR : 2021**PING RIVER BASIN****Khleng Khlung at Ban Sam Ruean , Kamphaeng Phet (P.78)**

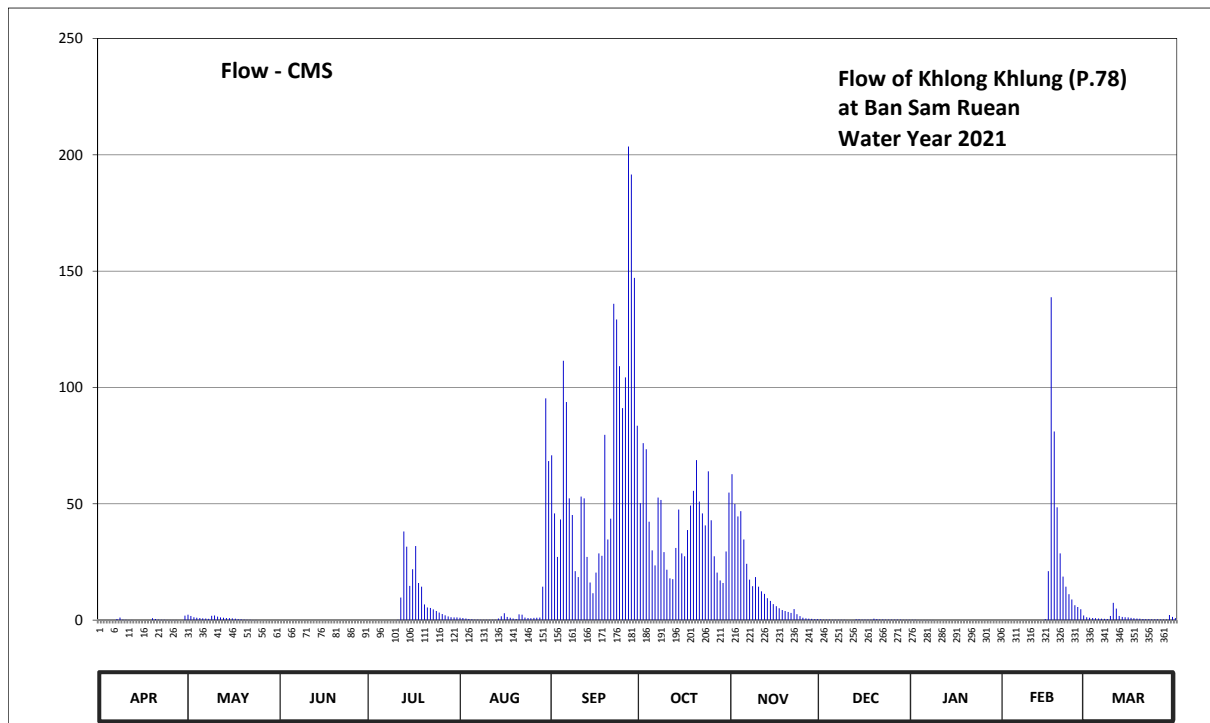
Lat 16 - 10 - 54 N Long 99 - 35 - 54 E

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	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +71.710 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 18 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	66.15	66.85	66.16	66.16	66.63	69.81	69.27	69.61	66.44	66.33	66.15	66.67	
2	66.15	66.76	66.16	66.16	66.59	69.14	69.93	69.26	66.41	66.31	66.15	66.63	
3	66.15	66.67	66.16	66.16	66.54	68.49	69.87	69.10	66.39	66.29	66.15	66.60	
4	66.15	66.62	66.16	66.16	66.50	69.06	69.03	69.17	66.37	66.27	66.15	66.58	
5	66.15	66.60	66.16	66.16	66.45	70.60	68.60	68.77	66.36	66.26	66.15	66.55	
6	66.15	66.57	66.16	66.16	66.40	70.29	68.34	68.37	66.35	66.25	66.15	66.53	
7	66.50	66.54	66.16	66.16	66.37	69.33	69.34	68.05	66.34	66.24	66.15	66.51	
8	66.64	66.51	66.16	66.16	66.34	69.12	69.31	67.89	66.32	66.23	66.15	66.49	
9	66.38	66.78	66.16	66.16	66.33	68.23	68.57	68.11	66.30	66.22	66.15	66.76	
10	66.30	66.80	66.16	66.16	66.32	68.11	68.26	67.88	66.28	66.21	66.15	67.40	
11	66.26	66.72	66.16	66.33	66.31	69.35	68.08	67.76	66.26	66.20	66.15	67.17	
12	66.23	66.65	66.16	67.58	66.30	69.33	68.06	67.69	66.24	66.19	66.15	66.76	
13	66.22	66.62	66.16	68.89	66.32	68.49	68.64	67.56	66.45	66.18	66.15	66.70	
14	66.21	66.59	66.16	68.66	66.54	67.98	69.19	67.47	66.45	66.17	66.15	66.67	
15	66.20	66.58	66.16	67.90	66.74	67.71	68.55	67.35	66.41	66.17	66.47	66.65	
16	66.19	66.56	66.16	68.27	66.93	68.20	68.50	67.27	66.39	66.17	68.23	66.61	
17	66.18	66.52	66.16	68.67	66.70	68.55	68.91	67.19	66.38	66.16	71.01	66.58	
18	66.19	66.48	66.16	67.97	66.62	68.51	69.24	67.10	66.37	66.16	70.04	66.55	
19	66.58	66.45	66.16	67.88	66.54	70.01	69.42	67.05	66.53	66.16	69.22	66.52	
20	66.50	66.40	66.16	67.34	66.50	68.77	69.76	67.00	66.46	66.16	68.55	66.49	
21	66.41	66.35	66.16	67.22	66.87	69.07	69.29	66.95	66.43	66.15	68.12	66.47	
22	66.36	66.31	66.16	67.20	66.85	70.97	69.14	67.15	66.42	66.15	67.88	66.46	
23	66.32	66.27	66.16	67.13	66.64	70.87	68.98	66.88	66.41	66.15	67.68	66.45	
24	66.29	66.23	66.16	67.05	66.60	70.56	69.64	66.75	66.40	66.15	67.52	66.44	
25	66.26	66.19	66.16	66.97	66.58	70.24	69.05	66.62	66.39	66.15	67.31	66.44	
26	66.24	66.17	66.16	66.89	66.61	70.48	68.50	66.57	66.38	66.15	67.24	66.43	
27	66.23	66.16	66.16	66.81	66.62	71.81	68.20	66.53	66.38	66.15	67.14	66.43	
28	66.22	66.16	66.16	66.73	66.64	71.67	68.03	66.51	66.37	66.15	66.80	66.43	
29	66.21	66.16	66.16	66.66	67.88	71.12	67.97	66.48	66.36	66.15		66.83	
30	66.79	66.16	66.16	66.65	70.32	70.09	68.58	66.46	66.35	66.15		66.69	
31		66.16		66.65	69.75		69.40		66.34	66.15		66.59	
Mean	66.29	66.47	66.16	67.00	66.82	69.53	68.89	67.55	66.38	66.19	67.12	66.62	
Max	66.79	66.85	66.16	68.89	70.32	71.81	69.93	69.61	66.53	66.33	71.01	67.40	71.81
Min	66.15	66.16	66.16	66.16	66.30	67.71	67.97	66.46	66.24	66.15	66.15	66.43	66.15
Annual Max Momentary Gage Height	71.87		m. (MSL.) ,				at 06.00 Hours , on Sep 27, 2021						
Zero Gage at Bottom Elevation		65.18	m. (MSL.) ,			River Bed	66.26	m. (MSL.)					
Left Bank Elevation		71.70	m. (MSL.) ,										
Right Bank Elevation		71.84	m. (MSL.) ,			Drainage Are	1,109	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	2.35	0.00	0.00	1.05	70.84	50.25	62.71	0.32	0.13	0.00	1.25	
2	0.00	1.76	0.00	0.00	0.86	45.85	76.06	49.90	0.23	0.11	0.00	1.05	
3	0.00	1.25	0.00	0.00	0.66	27.16	73.45	44.55	0.19	0.09	0.00	0.90	
4	0.00	1.00	0.00	0.00	0.50	43.25	42.28	46.83	0.17	0.07	0.00	0.82	
5	0.00	0.90	0.00	0.00	0.35	111.50	30.00	34.63	0.16	0.06	0.00	0.70	
6	0.00	0.78	0.00	0.00	0.20	93.73	23.48	24.22	0.15	0.05	0.00	0.62	
7	0.50	0.66	0.00	0.00	0.17	52.35	52.70	17.40	0.14	0.04	0.00	0.54	
8	1.10	0.54	0.00	0.00	0.14	45.20	51.65	14.54	0.12	0.03	0.00	0.47	
9	0.18	1.88	0.00	0.00	0.13	21.03	29.22	18.51	0.10	0.02	0.00	1.76	
10	0.10	2.00	0.00	0.00	0.12	18.51	21.66	14.37	0.08	0.01	0.00	7.40	
11	0.06	1.52	0.00	0.13	0.11	53.05	17.94	12.39	0.06	0.00	0.00	4.93	
12	0.03	1.15	0.00	9.72	0.10	52.35	17.58	11.26	0.04	0.00	0.00	1.76	
13	0.02	1.00	0.00	38.11	0.12	27.16	31.04	9.44	0.35	0.00	0.00	1.40	
14	0.01	0.86	0.00	31.56	0.66	16.14	47.48	8.24	0.35	0.00	0.00	1.25	
15	0.00	0.82	0.00	14.70	1.64	11.57	28.70	6.85	0.23	0.00	0.41	1.15	
16	0.00	0.74	0.00	21.87	2.94	20.40	27.40	5.97	0.19	0.00	21.03	0.95	
17	0.00	0.58	0.00	31.82	1.40	28.70	38.69	5.11	0.18	0.00	138.76	0.82	
18	0.00	0.44	0.00	15.96	1.00	27.66	49.20	4.30	0.17	0.00	81.08	0.70	
19	0.82	0.35	0.00	14.37	0.66	79.60	55.55	3.90	0.62	0.00	48.50	0.58	
20	0.50	0.20	0.00	6.74	0.50	34.63	68.78	3.50	0.38	0.00	28.70	0.47	
21	0.23	0.15	0.00	5.42	2.49	43.58	50.95	3.10	0.29	0.00	18.72	0.41	
22	0.16	0.11	0.00	5.20	2.35	135.98	45.85	4.75	0.26	0.00	14.37	0.38	
23	0.12	0.07	0.00	4.57	1.10	129.23	40.72	2.56	0.23	0.00	11.12	0.35	
24	0.09	0.03	0.00	3.90	0.90	109.10	63.92	1.70	0.20	0.00	8.88	0.32	
25	0.06	0.00	0.00	3.26	0.82	91.10	42.93	1.00	0.19	0.00	6.41	0.32	
26	0.04	0.00	0.00	2.63	0.95	104.30	27.40	0.78	0.18	0.00	5.64	0.29	
27	0.03	0.00	0.00	2.07	1.00	203.51	20.40	0.62	0.18	0.00	4.66	0.29	
28	0.02	0.00	0.00	1.58	1.10	191.49	17.04	0.54	0.17	0.00	2.00	0.29	
29	0.01	0.00	0.00	1.20	14.37	147.06	15.96	0.44	0.16	0.00		2.21	
30	1.94	0.00	0.00	1.15	95.30	83.56	29.48	0.38	0.15	0.00		1.35	
31		0.00		1.15	68.38		54.80		0.14	0.00		0.86	
Total	6.02	21.14	0.00	217.11	202.07	2119.59	1242.56	414.49	6.38	0.61	390.28	36.59	4656.84 CMSDAY
Mean	0.20	0.68	0.00	7.00	6.52	70.65	40.08	13.82	0.21	0.02	13.94	1.18	12.76 CMS
Max	1.94	2.35	0.00	38.11	95.30	203.51	76.06	62.71	0.62	0.13	138.76	7.40	203.51 CMS
Min	0.00	0.00	0.00	0.00	0.10	11.57	15.96	0.38	0.04	0.00	0.00	0.29	0.00 CMS
Runoff	0.52	1.83	0.00	18.76	17.46	183.13	107.36	35.81	0.55	0.05	33.72	3.16	402.35 MCM
Momentary Peak	208.97 CMS. at 71.87 m. (MSL.) at 06.00 Hours , on Sep 27, 2021												
Runoff Yield	11.40	Liters/Second/Square KM.			Momentary Peak Yield			186.75	Liters/Second/Square KM.				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.70	0.15	0.48	0.10	1.42	2.84	2.60	6.10	0.38	0.37	0.34	0.36		
2	0.70	0.15	0.48	0.09	1.42	2.18	2.68	5.07	0.38	0.37	0.34	0.36		
3	0.69	0.15	0.44	0.09	1.48	2.04	2.84	5.40	0.38	0.37	0.34	0.36		
4	0.69	0.15	0.34	2.53	1.48	2.11	2.68	5.54	0.38	0.37	0.34	0.36		
5	0.69	0.15	0.34	0.05	1.48	2.25	2.92	5.07	0.38	0.37	0.34	0.36		
6	0.70	0.15	0.31	0.06	1.36	2.11	4.85	4.74	0.38	0.37	0.34	0.34		
7	0.71	0.15	0.25	0.44	1.42	2.11	4.85	4.52	0.38	0.37	0.34	0.34		
8	0.71	0.15	0.22	1.72	1.36	2.18	4.63	4.41	0.38	0.37	0.34	0.34		
9	0.70	0.15	0.68	1.72	1.36	2.25	4.30	4.30	0.38	0.37	0.34	0.34		
10	0.70	0.15	0.60	1.54	1.36	2.25	4.30	4.30	0.38	0.37	0.34	0.34		
11	0.70	0.15	0.56	1.30	1.36	2.39	6.10	4.30	0.38	0.37	0.34	0.33		
12	0.70	0.15	0.60	1.72	1.42	2.32	5.07	4.30	0.38	0.37	0.34	0.32		
13	0.70	0.15	0.56	1.66	2.92	3.00	4.74	4.30	0.38	0.37	0.34	0.32		
14	0.70	0.15	0.64	1.60	1.84	3.40	4.41	4.30	0.38	0.37	0.34	0.32		
15	0.70	0.15	0.95	1.66	2.92	3.49	4.52	4.41	0.38	0.37	0.34	0.32		
16	0.70	0.15	0.72	1.66	3.08	3.40	5.07	4.52	0.38	0.37	0.34	0.31		
17	0.72	0.14	0.64	1.66	4.41	3.40	6.38	4.30	0.38	0.37	0.34	0.31		
18	0.69	0.10	0.64	1.66	2.92	2.53	5.40	4.30	0.38	0.37	0.34	0.32		
19	0.47	0.10	0.52	1.66	2.18	2.39	5.18	4.30	0.37	0.38	0.34	0.32		
20	0.31	0.10	0.44	1.60	9.04	2.60	5.07	4.12	0.37	0.38	0.34	0.32		
21	0.17	0.10	0.40	1.60	6.52	5.18	4.96	0.39	0.37	0.39	0.34	0.32		
22	0.16	0.10	0.37	1.54	5.40	2.46	4.96	0.39	0.37	0.39	0.34	0.32		
23	0.16	0.09	0.37	1.54	5.40	2.39	5.07	0.39	0.37	0.38	0.34	0.33		
24	0.16	0.09	0.34	1.54	5.40	2.39	5.18	0.39	0.37	0.38	0.34	0.33		
25	0.15	0.09	0.28	1.42	5.40	2.53	4.96	0.38	0.37	0.36	0.34	0.33		
26	0.15	0.09	0.37	1.42	5.07	2.60	4.85	0.38	0.37	0.34	0.34	0.32		
27	0.15	0.09	0.31	1.42	3.40	3.49	4.74	0.38	0.37	0.34	0.34	0.32		
28	0.15	0.95	0.25	1.42	2.32	3.58	4.52	0.38	0.37	0.33	0.34	0.32		
29	0.15	0.72	0.16	1.42	2.84	2.76	4.41	0.38	0.37	0.33		0.37		
30	0.15	0.52	0.13	1.42	2.25	2.60	4.30	0.38	0.37	0.32		0.32		
31		0.37		1.42	2.84		4.52		0.37	0.34		0.32		
Total	14.93	6.05	13.39	40.68	93.07	81.22	141.06	96.44	11.65	11.32	9.52	10.29	529.62	CMSDAY
Mean	0.50	0.20	0.45	1.31	3.00	2.71	4.55	3.21	0.38	0				

WATER YEAR : 2021**PING RIVER BASIN****Nam Mae Lai at Ban Pong Din , Chiang Mai (P.80)**

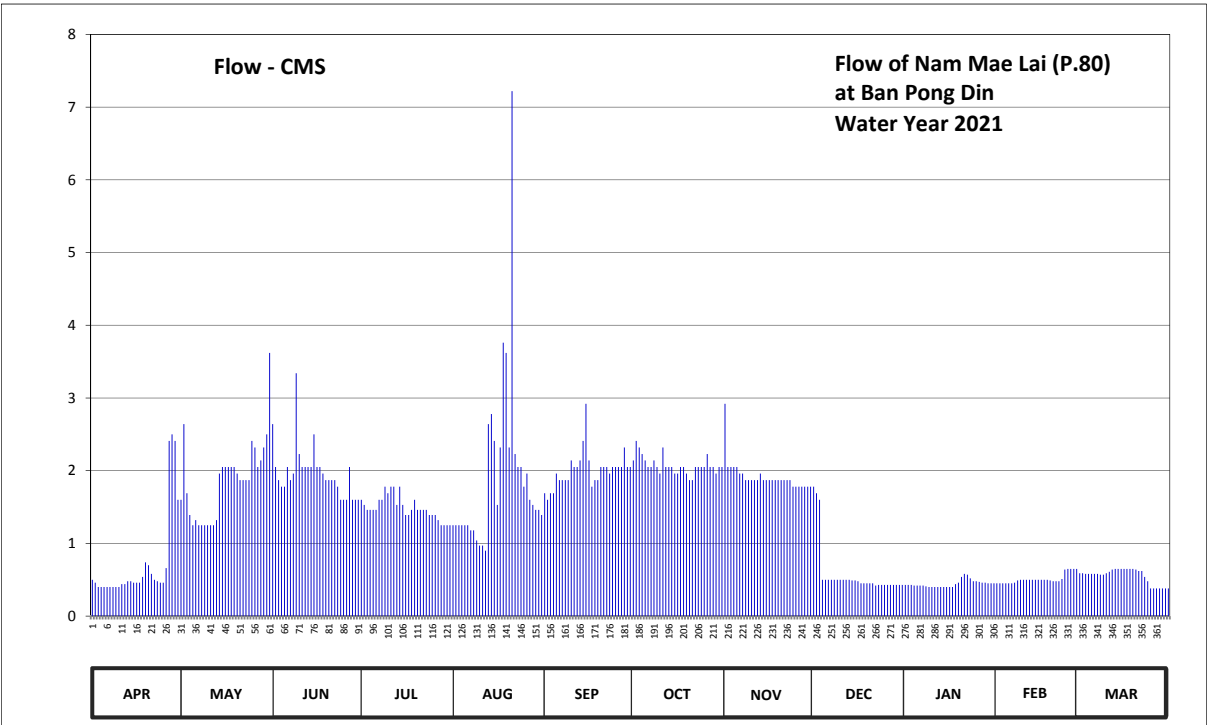
Lat 18 - 54 - 56 N Long 99 - 14 - 07 E

Location : on left bank at the bridge on road.

	Ban Pong Din	Amphoe Doi Saket	Changwat Chiang Mai
Drainage Area	135 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+455.096 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank at the approach of the bridge.	Elevation	+462.021 m. (MSL.)
Gage Reading Frequency	Recording.		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2001 to date		
Rating Operation			
Period of Rating	2001 to date		
Rated by Float	-		
Rated by Current Meter	2001 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 31 discharge measurements made in 2021.		

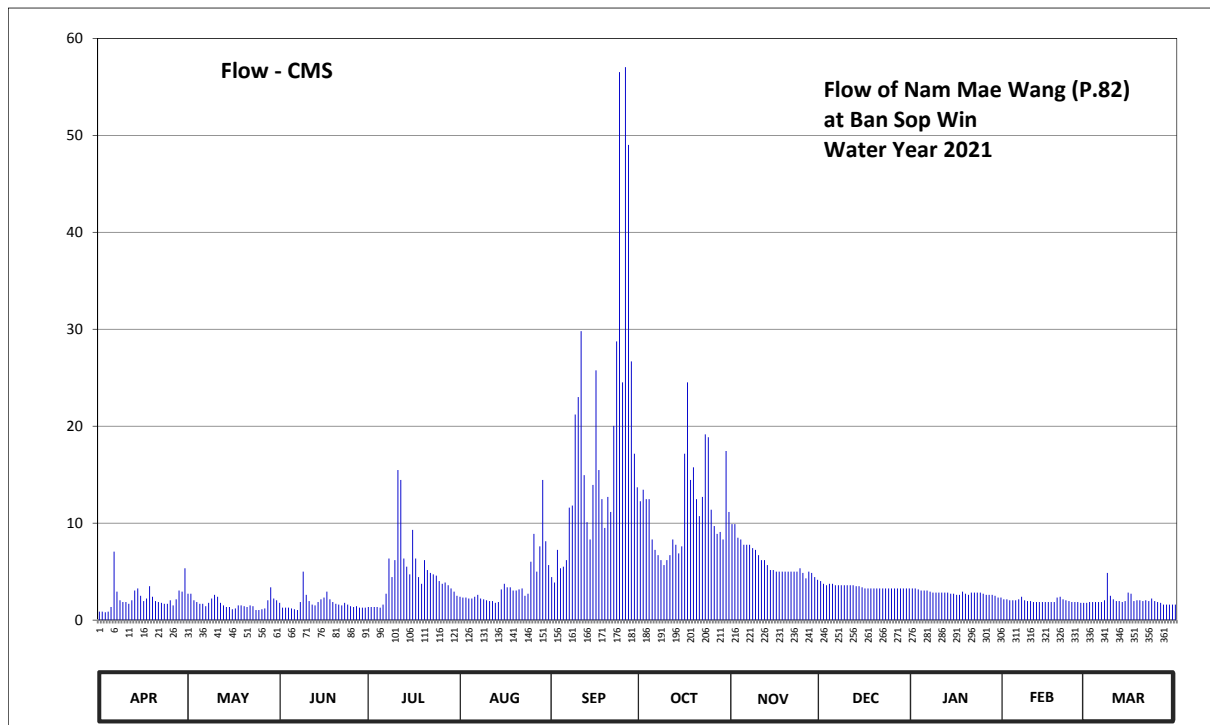
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	455.40	455.60	455.71	455.60	455.55	455.61	455.66	455.73	455.62	455.53	455.55	455.69	
	2	455.38	455.71	455.65	455.59	455.55	455.60	455.69	455.65	455.61	455.53	455.55	455.69	
	3	455.35	455.61	455.63	455.58	455.55	455.61	455.68	455.65	455.60	455.53	455.55	455.68	
	4	455.35	455.57	455.62	455.58	455.55	455.61	455.67	455.65	455.60	455.52	455.55	455.68	
	5	455.35	455.55	455.62	455.58	455.55	455.64	455.66	455.65	455.60	455.52	455.55	455.68	
	6	455.35	455.56	455.65	455.58	455.55	455.63	455.65	455.64	455.60	455.52	455.55	455.68	
	7	455.35	455.55	455.63	455.60	455.54	455.63	455.65	455.64	455.60	455.52	455.56	455.68	
	8	455.35	455.55	455.64	455.60	455.54	455.63	455.66	455.63	455.60	455.51	455.59	455.67	
	9	455.35	455.55	455.76	455.62	455.52	455.63	455.65	455.63	455.60	455.50	455.60	455.67	
	10	455.35	455.55	455.67	455.61	455.51	455.66	455.64	455.63	455.60	455.50	455.60	455.69	
	11	455.37	455.55	455.65	455.62	455.51	455.65	455.68	455.63	455.60	455.50	455.60	455.71	
	12	455.37	455.55	455.65	455.62	455.50	455.65	455.65	455.63	455.60	455.50	455.60	455.74	
	13	455.39	455.56	455.65	455.59	455.71	455.66	455.65	455.64	455.60	455.50	455.60	455.75	
	14	455.39	455.64	455.65	455.62	455.72	455.69	455.65	455.63	455.59	455.50	455.60	455.75	
	15	455.38	455.65	455.70	455.59	455.69	455.73	455.64	455.63	455.59	455.50	455.60	455.75	
	16	455.38	455.65	455.65	455.57	455.59	455.66	455.64	455.63	455.58	455.50	455.60	455.75	
	17	455.38	455.65	455.65	455.57	455.68	455.62	455.65	455.63	455.55	455.50	455.60	455.75	
	18	455.41	455.65	455.64	455.58	455.79	455.63	455.65	455.63	455.55	455.54	455.60	455.75	
	19	455.46	455.65	455.63	455.60	455.78	455.63	455.64	455.63	455.55	455.56	455.59	455.75	
	20	455.45	455.64	455.63	455.58	455.68	455.65	455.63	455.63	455.55	455.64	455.58	455.74	
	21	455.42	455.63	455.63	455.58	455.98	455.65	455.63	455.63	455.55	455.68	455.58	455.72	
	22	455.40	455.63	455.63	455.58	455.67	455.65	455.65	455.63	455.52	455.67	455.58	455.72	
	23	455.39	455.63	455.62	455.58	455.65	455.64	455.65	455.63	455.53	455.62	455.61	455.64	
	24	455.38	455.63	455.60	455.57	455.65	455.65	455.65	455.62	455.53	455.58	455.74	455.58	
	25	455.38	455.69	455.60	455.57	455.62	455.65	455.65	455.62	455.53	455.58	455.75	455.48	
	26	455.44	455.68	455.60	455.57	455.64	455.65	455.67	455.62	455.53	455.57	455.75	455.48	
	27	455.69	455.65	455.65	455.56	455.60	455.65	455.65	455.62	455.53	455.56	455.75	455.48	
	28	455.70	455.66	455.60	455.55	455.59	455.68	455.65	455.62	455.53	455.56	455.75	455.48	
	29	455.69	455.68	455.60	455.55	455.58	455.65	455.64	455.62	455.53	455.55		455.48	
	30	455.60	455.70	455.60	455.55	455.58	455.65	455.65	455.62	455.53	455.55		455.48	
	31		455.78		455.55	455.57		455.65		455.53	455.55		455.48	
Mean		455.42	455.62	455.64	455.58	455.62	455.64	455.65	455.63	455.57	455.54	455.61	455.65	
Max		455.70	455.78	455.76	455.62	455.98	455.73	455.69	455.73	455.62	455.68	455.75	455.75	455.98
Min		455.35	455.55	455.60	455.55	455.50	455.60	455.63	455.62	455.52	455.50	455.55	455.48	455.35
Annual Max Momentary Gage Height			456.62	m. (MSL.) ,		at 05.00 Hours , on Aug 21, 2021								
Zero Gage at Bottom Elevation			455.10	m. (MSL.) ,		River Bed	454.98	m. (MSL.)						
Left Bank Elevation			461.80	m. (MSL.) ,										
Right Bank Elevation			461.78	m. (MSL.) ,		Drainage Are	135	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.50	1.60	2.64	1.60	1.25	1.69	2.14	2.92	1.78	0.43	0.45	0.59	
2	0.46	2.64	2.05	1.53	1.25	1.60	2.41	2.05	1.69	0.43	0.45	0.59	
3	0.40	1.69	1.87	1.46	1.25	1.69	2.32	2.05	1.60	0.43	0.45	0.58	
4	0.40	1.39	1.78	1.46	1.25	1.69	2.23	2.05	0.50	0.42	0.45	0.58	
5	0.40	1.25	1.78	1.46	1.25	1.96	2.14	2.05	0.50	0.42	0.45	0.58	
6	0.40	1.32	2.05	1.46	1.25	1.87	2.05	1.96	0.50	0.42	0.45	0.58	
7	0.40	1.25	1.87	1.60	1.18	1.87	2.05	1.96	0.50	0.42	0.46	0.58	
8	0.40	1.25	1.96	1.60	1.18	1.87	2.14	1.87	0.50	0.41	0.49	0.57	
9	0.40	1.25	3.34	1.78	1.04	1.87	2.05	1.87	0.50	0.40	0.50	0.57	
10	0.40	1.25	2.23	1.69	0.97	2.14	1.96	1.87	0.50	0.40	0.50	0.59	
11	0.44	1.25	2.05	1.78	0.97	2.05	2.32	1.87	0.50	0.40	0.50	0.61	
12	0.44	1.25	2.05	1.78	0.90	2.05	2.05	1.87	0.50	0.40	0.50	0.64	
13	0.48	1.32	2.05	1.53	2.64	2.14	2.05	1.96	0.50	0.40	0.50	0.65	
14	0.48	1.96	2.05	1.78	2.78	2.41	2.05	1.87	0.49	0.40	0.50	0.65	
15	0.46	2.05	2.50	1.53	2.41	2.92	1.96	1.87	0.49	0.40	0.50	0.65	
16	0.46	2.05	2.05	1.39	1.53	2.14	1.96	1.87	0.48	0.40	0.50	0.65	
17	0.46	2.05	2.05	1.39	2.32	1.78	2.05	1.87	0.45	0.40	0.50	0.65	
18	0.54	2.05	1.96	1.46	3.76	1.87	2.05	1.87	0.45	0.44	0.50	0.65	
19	0.74	2.05	1.87	1.60	3.62	1.87	1.96	1.87	0.45	0.46	0.49	0.65	
20	0.70	1.96	1.87	1.46	2.32	2.05	1.87	1.87	0.45	0.54	0.48	0.64	
21	0.58	1.87	1.87	1.46	7.22	2.05	1.87	1.87	0.45	0.58	0.48	0.62	
22	0.50	1.87	1.87	1.46	2.23	2.05	2.05	1.87	0.42	0.57	0.48	0.62	
23	0.48	1.87	1.78	1.46	2.05	1.96	2.05	1.87	0.43	0.52	0.51	0.54	
24	0.46	1.87	1.60	1.39	2.05	2.05	2.05	1.78	0.43	0.48	0.64	0.48	
25	0.46	2.41	1.60	1.39	1.78	2.05	2.05	1.78	0.43	0.48	0.65	0.38	
26	0.66	2.32	1.60	1.39	1.96	2.05	2.23	1.78	0.43	0.47	0.65	0.38	
27	2.41	2.05	2.05	1.32	1.60	2.05	2.05	1.78	0.43	0.46	0.65	0.38	
28	2.50	2.14	1.60	1.25	1.53	2.32	2.05	1.78	0.43	0.46	0.65	0.38	
29	2.41	2.32	1.60	1.25	1.46	2.05	1.96	1.78	0.43	0.45		0.38	
30	1.60	2.50	1.60	1.25	1.46	2.05	2.05	1.78	0.43	0.45		0.38	
31		3.62		1.25	1.39		2.05		0.43	0.45		0.38	
Total	21.42	57.72	59.24	46.21	59.85	60.21	64.27	57.51	18.07	13.79	14.33	17.17	489.79 CMSDAY
Mean	0.71	1.86	1.97	1.49	1.93	2.01	2.07	1.92	0.58	0.44	0.51	0.55	1.34 CMS
Max	2.50	3.62	3.34	1.78	7.22	2.92	2.41	2.92	1.78	0.58	0.65	0.65	7.22 CMS
Min	0.40	1.25	1.60	1.25	0.90	1.60	1.87	1.78	0.42	0.40	0.45	0.38	0.38 CMS
Runoff	1.85	4.99	5.12	3.99	5.17	5.20	5.55	4.97	1.56	1.19	1.24	1.48	42.32 MCM
Momentary Peak	21.88 CMS. at 456.62 m. (MSL.) at 05.00 Hours , on Aug 21, 2021												
Runoff Yield	9.94	Liters/Second/Square KM.		Momentary Peak Yield		162.07	Liters/Second/Square KM.						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.49	2.34	0.64	0.78	5.62	6.75	14.64	18.20	1.40	0.49	1.10	0.67		
2	0.61	8.52	0.43	1.15	6.10	4.35	25.00	24.20	1.50	0.55	0.70	0.82		
3	0.58	14.32	0.46	1.06	5.14	3.08	37.35	21.60	1.45	0.58	0.67	0.64		
4	0.55	10.50	0.49	0.78	3.17	4.57	26.00	14.96	1.30	0.64	0.58	0.55		
5	0.61	7.01	1.10	0.74	2.27	9.36	16.40	9.50	1.20	0.61	0.55	0.46		
6	0.94	4.68	1.06	0.70	1.72	8.38	11.85	7.27	1.25	0.64	1.45	0.46		
7	0.94	3.17	0.58	8.24	2.02	5.26	9.08	5.38	1.10	0.64	0.55	0.46		
8	0.74	3.53	0.86	18.74	1.84	7.27	6.49	4.24	1.06	0.58	0.55	2.41		
9	1.20	3.44	2.99	22.40	1.72	15.60	4.24	3.35	0.94	0.55	0.46	0.86		
10	1.20	2.20	4.13	34.31	1.50	26.60	4.02	2.55	0.78	0.46	0.46	0.49		
11	2.27	1.10	1.84	30.20	1.40	32.63	4.68	1.90	0.86	0.46	0.52	0.52		
12	2.34	0.86	0.98	26.00	1.50	26.00	8.38	1.96	0.78	0.46	0.55	0.64		
13	2.02	0.64	0.64	19.28	5.50	18.02	8.38	1.90	0.86	0.46	0.58	0.61		
14	2.41	0.58	1.10	12.90	4.68	40.80	6.75	1.90	0.78	0.43	0.70	0.64		
15	1.66	0.61	3.08	9.22	7.68	55.25	5.14	1.50	1.02	0.43	0.74	0.70		
16	1.50	0.61	1.30	8.80	19.46	52.75	5.62	1.50	1.50	0.40	0.58	0.70		
17	0.94	0.64	5.62	15.44	25.20	50.50	5.50	1.40	1.10	0.67	0.43	0.52		
18	3.71	0.58	4.79	12.90	20.20	34.94	4.46	1.60	1.20	0.90	0.58	0.46		
19	9.50	0.52	3.44	9.64	13.52	21.60	4.46	1.55	1.15	0.98	1.78	0.46		
20	9.50	0.43	1.78	8.10	11.10	13.52	5.14	1.60	1.20	1.30	1.25	0.46		
21	7.40	0.43	1.84	7.96	15.44	9.36	5.86	1.66	1.02	1.96	1.20	0.43		
22	5.74	0.46	1.55	6.62	12.60	10.80	6.23	1.78	0.98	2.02	1.10	0.43		
23	3.44	0.49	1.25	5.62	8.66	15.12	8.52	1.84	0.74	1.66	1.25	0.64		
24	2.62	0.61	1.40	4.57	5.86	20.20	19.10	5.74	0.70	1.35	0.94	0.94		
25	1.96	0.58	2.27	3.80	19.10	14.32	14.80	2.90	0.67	1.30	0.94	0.58		
26	2.20	0.58	2.20	3.17	17.48	21.20	10.35	1.45	0.67	1.20	0.74	0.49		
27	1.60	0.58	1.72	2.14	12.90	30.80	6.62	1.78	0.55	1.06	0.58	0.61		
28	2.34	0.58	1.20	2.62	10.06	38.04	5.02	1.45	0.55	1.10	0.55	1.06		
29	2.27	0.58	0.90	3.26	7.96	30.20	4.24	1.30	0.49	1.06		0.52		
30	2.27	0.86	0.90	3.71	7.82	19.28	4.13	1.20	0.49	1.15		0.58		
31		0.86		4.68	8.80		6.49		0.46	1.25		0.74		
Total	75.55	72.89	52.54	289.53	268.02	646.55	304.94	149.16	29.75	27.34	22.08	20.55	1958.90	CMSDAY
Mean	2.52	2.35	1											



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.88	2.72	1.78	1.36	2.41	4.44	12.26	9.90	4.02	3.27	2.14	1.78		
2	0.88	2.72	1.28	1.36	2.32	3.88	13.45	9.90	3.74	3.27	2.14	1.87		
3	0.80	2.05	1.28	1.36	2.32	7.24	12.48	8.50	3.60	3.16	2.05	1.87		
4	0.88	1.87	1.28	1.36	2.23	5.34	12.48	8.32	3.74	3.05	2.05	1.87		
5	1.36	1.69	1.20	1.28	2.23	5.51	8.32	7.78	3.74	3.05	2.05	1.87		
6	7.06	1.69	1.12	1.60	2.41	6.19	7.24	7.78	3.60	3.05	2.14	1.87		
7	2.94	1.44	1.04	2.72	2.61	11.60	6.70	7.78	3.60	2.94	2.41	2.05		
8	2.05	1.78	1.87	6.36	2.23	11.82	6.19	7.42	3.60	2.83	2.05	4.86		
9	1.87	2.23	5.00	4.44	2.14	21.20	5.68	7.24	3.60	2.83	1.96	2.50		
10	1.87	2.61	2.61	6.19	2.05	23.00	6.19	6.70	3.60	2.83	1.96	2.14		
11	1.69	2.41	1.96	15.48	1.96	29.80	6.70	6.19	3.60	2.83	1.87	1.96		
12	2.05	1.78	1.60	14.45	1.96	14.95	8.32	6.19	3.60	2.83	1.87	1.96		
13	3.05	1.52	1.52	6.36	1.78	10.10	7.78	5.68	3.49	2.83	1.87	1.87		
14	3.27	1.36	1.87	5.51	1.87	8.32	6.88	5.17	3.49	2.72	1.87	1.96		
15	2.50	1.36	2.14	4.72	3.16	13.95	7.60	5.17	3.38	2.72	1.87	2.83		
16	1.96	1.12	2.32	9.30	3.74	25.76	17.16	5.00	3.27	2.61	1.87	2.72		
17	2.23	1.20	2.94	6.36	3.38	15.48	24.52	5.00	3.27	2.61	1.87	1.96		
18	3.49	1.52	2.14	4.44	3.38	12.48	14.45	5.00	3.27	2.94	1.87	2.05		
19	2.41	1.52	1.87	3.74	3.05	9.50	15.76	5.00	3.27	2.72	2.32	2.05		
20	1.96	1.44	1.69	6.19	3.05	12.70	12.48	5.00	3.27	2.61	2.41	1.96		
21	1.87	1.36	1.60	5.17	3.16	11.16	10.72	5.00	3.27	2.83	2.14	2.05		
22	1.78	1.52	1.52	4.86	3.27	20.03	12.70	5.00	3.27	2.83	2.05	1.96		
23	1.69	1.44	1.78	4.72	2.50	28.75	19.16	5.00	3.27	2.83	1.96	2.23		
24	1.69	1.04	1.60	4.58	2.72	56.53	18.87	5.34	3.27	2.83	1.87	1.96		
25	2.05	1.04	1.44	4.02	6.02	24.52	11.38	4.86	3.27	2.72	1.87	1.87		
26	1.52	1.12	1.36	3.74	8.90	57.04	9.70	4.30	3.27	2.61	1.87	1.78		
27	2.14	1.20	1.44	3.88	5.00	49.02	8.90	5.00	3.27	2.61	1.78	1.60		
28	3.05	2.05	1.28	3.60	7.60	26.69	9.10	4.86	3.27	2.61	1.78	1.60		
29	2.94	3.38	1.28	3.27	14.45	17.16	8.32	4.44	3.27	2.50		1.60		
30	5.34	2.23	1.28	2.94	8.14	13.70	17.44	4.16	3.27	2.32		1.60		
31		2.05		2.50	5.68		11.16		3.27	2.32		1.60		
Total	69.27	54.46	53.09	147.86	117.72	557.86	350.09	182.68	106.72	86.71	55.96	63.85	1846.27	CMSDAY
Mean	2.31	1.76	1.77	4.77	3.80	18.60	11.29	6.09	3.44	2.80	2.00	2.06	5.06	CMS
Max	7.06	3.38	5.00	15.48	14.45	57.04	24.52	9.90	4.02	3.27	2.41	4.86	57.04	CMS
Min	0.80	1.04	1.04	1.28	1.78	3.88	5.68	4.16	3.27	2.32	1.78	1.60	0.80	CMS
Runoff	5.98	4.71	4.59	12.78	10.17	48.20	30.25	15.78	9.22	7.49	4.83	5.52	159.52	MCM
Momentary Peak	99.82	CMS. at 403.41 m. (MSL.) at 10.00 Hours , on Sep 24, 2021												
Runoff Yield	12.94	Liters/Second/Square KM.				Momentary Peak Yield		255.29	Liters/Second/Square KM.					

WATER YEAR : 2021**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 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	303.28	303.53	303.46	303.46	303.45	303.81	304.83	304.59	303.97	303.59	303.44	303.44	
2	303.27	303.45	303.45	303.44	303.44	303.65	304.82	304.57	303.94	303.59	303.44	303.44	
3	303.28	303.41	303.45	303.46	303.39	304.02	304.83	304.57	303.94	303.59	303.44	303.44	
4	303.30	303.39	303.46	303.46	303.39	304.03	304.92	304.48	303.94	303.59	303.44	303.44	
5	303.33	303.42	303.44	303.44	303.40	303.67	304.57	304.43	303.94	303.59	303.44	303.44	
6	304.01	303.40	303.43	303.50	303.39	303.87	304.47	304.39	303.92	303.59	303.48	303.44	
7	303.55	303.39	303.44	303.68	303.40	304.97	304.44	304.43	303.84	303.58	303.46	303.44	
8	303.44	303.41	303.44	303.76	303.47	304.87	304.33	304.31	303.84	303.54	303.44	303.44	
9	303.42	303.44	303.65	304.04	303.47	305.17	304.18	304.40	303.85	303.54	303.44	303.44	
10	303.37	303.40	303.63	303.73	303.45	305.44	304.19	304.34	303.88	303.54	303.44	303.44	
11	303.39	303.40	303.57	304.88	303.48	305.78	304.29	304.25	303.83	303.56	303.44	303.44	
12	303.37	303.44	303.50	305.37	303.43	305.08	304.51	304.24	303.74	303.54	303.44	303.44	
13	303.34	303.44	303.52	304.28	303.45	304.68	304.41	304.22	303.72	303.44	303.44	303.44	
14	303.47	303.45	303.67	303.92	303.40	304.49	304.32	304.18	303.64	303.44	303.45	303.44	
15	303.54	303.43	303.50	303.82	303.42	304.67	304.28	304.16	303.64	303.44	303.44	303.44	
16	303.59	303.43	303.52	304.46	303.53	305.33	305.00	304.13	303.64	303.44	303.44	303.44	
17	303.42	303.41	303.54	304.30	303.56	305.16	305.43	304.13	303.64	303.45	303.44	303.44	
18	303.53	303.44	303.54	303.88	303.47	304.96	304.97	304.17	303.64	303.47	303.45	303.44	
19	303.49	303.40	303.48	303.92	303.43	304.55	304.89	304.13	303.64	303.50	303.47	303.44	
20	303.39	303.40	303.42	304.08	303.46	304.54	304.81	304.04	303.64	303.55	303.44	303.44	
21	303.39	303.43	303.41	304.49	303.44	304.93	304.64	304.00	303.64	303.55	303.44	303.44	
22	303.39	303.43	303.44	303.86	303.54	304.93	304.82	303.99	303.64	303.51	303.44	303.44	
23	303.40	303.40	303.44	303.99	303.43	305.76	305.23	304.00	303.63	303.45	303.44	303.44	
24	303.39	303.44	303.44	303.88	303.39	306.57	305.29	304.13	303.59	303.46	303.44	303.44	
25	303.39	303.44	303.44	304.06	303.64	305.69	304.79	304.22	303.59	303.49	303.44	303.44	
26	303.39	303.44	303.44	303.83	304.45	306.57	304.67	304.03	303.59	303.49	303.44	303.44	
27	303.39	303.44	303.45	303.69	303.79	306.50	304.54	304.10	303.59	303.45	303.44	303.44	
28	303.42	303.44	303.42	303.59	303.82	305.54	304.59	304.14	303.59	303.44	303.44	303.44	
29	303.51	303.46	303.42	303.59	304.78	305.15	304.53	304.14	303.59	303.44		303.44	
30	303.88	303.44	303.45	303.57	304.40	304.89	305.00	304.12	303.59	303.44		303.44	
31		303.44		303.59	303.93		304.84		303.59	303.44		303.45	
Mean	303.44	303.43	303.48	303.90	303.60	304.98	304.69	304.23	303.72	303.51	303.44	303.44	
Max	304.01	303.53	303.67	305.37	304.78	306.57	305.43	304.59	303.97	303.59	303.48	303.45	306.57
Min	303.27	303.39	303.41	303.44	303.39	303.65	304.18	303.99	303.59	303.44	303.44	303.44	303.27
Annual Max Momentary Gage Height	307.37	m. (MSL.) ,		at 15.00 Hours , on Sep 24, 2021									
Zero Gage at Bottom Elevation	303.24	m. (MSL.) ,		River Bed		302.55	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	0.72	1.95	0.18	0.18	1.55	3.36	10.83	8.52	4.32	0.25	0.17	0.17		
2	0.68	1.55	0.18	0.17	1.50	2.55	10.72	8.36	4.14	0.25	0.17	0.17		
3	0.72	1.35	0.18	0.18	1.25	4.62	10.83	8.36	4.14	0.25	0.17	0.17		
4	0.80	1.25	0.18	0.18	1.25	4.68	11.84	7.64	4.14	0.25	0.17	0.17		
5	0.95	1.40	0.17	0.17	1.30	2.65	8.36	7.24	4.14	0.25	0.17	0.17		
6	4.56	1.30	0.17	0.20	1.25	3.72	7.56	6.93	4.02	0.25	0.19	0.17		
7	2.05	0.15	0.17	2.70	1.30	12.44	7.32	7.24	3.54	0.24	0.18	0.17		
8	1.50	0.16	0.17	3.10	1.65	11.27	6.51	6.37	3.54	0.22	0.17	0.17		
9	1.40	0.17	0.28	4.74	1.65	14.93	5.58	7.00	3.60	0.22	0.17	0.17		
10	1.15	0.15	0.27	2.95	1.55	19.12	5.64	6.58	3.78	0.22	0.17	0.17		
11	1.25	0.15	0.24	11.38	1.70	25.60	6.24	6.00	3.48	0.23	0.17	0.17		
12	1.15	0.17	0.20	17.94	1.45	13.80	7.88	5.94	3.00	0.22	0.17	0.17		
13	1.00	0.17	0.21	6.18	1.55	9.32	7.08	5.82	2.90	0.17	0.17	0.17		
14	1.65	0.18	0.29	4.02	1.30	7.72	6.44	5.58	2.50	0.17	0.18	0.17		
15	2.00	0.17	0.20	3.42	1.40	9.23	6.18	5.46	0.27	0.17	0.17	0.17		
16	2.25	0.17	0.21	7.48	1.95	17.32	12.80	5.28	0.27	0.17	0.17	0.17		
17	1.40	0.16	0.22	6.30	2.10	14.80	18.94	5.28	0.27	0.18	0.17	0.17		
18	1.95	0.17	0.22	3.78	1.65	12.32	12.44	5.52	0.27	0.19	0.18	0.17		
19	1.75	0.15	0.19	4.02	1.45	8.20	11.49	5.28	0.27	0.20	0.19	0.17		
20	1.25	0.15	0.16	4.98	1.60	8.12	10.61	4.74	0.27	0.23	0.17	0.17		
21	1.25	0.17	0.16	7.72	1.50	11.96	8.96	4.50	0.27	0.23	0.17	0.17		
22	1.25	0.17	0.17	3.66	2.00	11.96	10.72	4.44	0.27	0.21	0.17	0.17		
23	1.30	0.15	0.17	4.44	1.45	25.20	15.77	4.50	0.27	0.18	0.17	0.17		
24	1.25	0.17	0.17	3.78	1.25	48.21	16.70	5.28	0.25	0.18	0.17	0.17		
25	1.25	0.17	0.17	4.86	2.50	23.80	10.40	5.82	0.25	0.20	0.17	0.17		
26	1.25	0.17	0.17	3.48	7.40	48.21	9.23	4.68	0.25	0.20	0.17	0.17		
27	1.25	0.17	0.18	2.75	3.25	45.65	8.12	5.10	0.25	0.18	0.17	0.17		
28	1.40	0.17	0.16	2.25	3.42	20.92	8.52	5.34	0.25	0.17	0.17	0.17		
29	1.85	0.18	0.16	2.25	10.30	14.68	8.04	5.34	0.25	0.17		0.17		
30	3.78	0.17	0.18	2.15	7.00	11.49	12.80	5.22	0.25	0.17		0.17		
31		0.17		2.25	4.08		10.94		0.25	0.17		0.18		
Total	46.01	12.93	5.78	123.66	74.55	467.85	305.49	179.36	55.67	6.39	4.83	5.28	1287.80	CMSDAY
Mean	1.53	0.42	0.19	3.99	2.40									

WATER YEAR : 2021**PING RIVER BASIN****Nam Mae Li at Ban Lai Khaeo , Lamphun (P.85)**

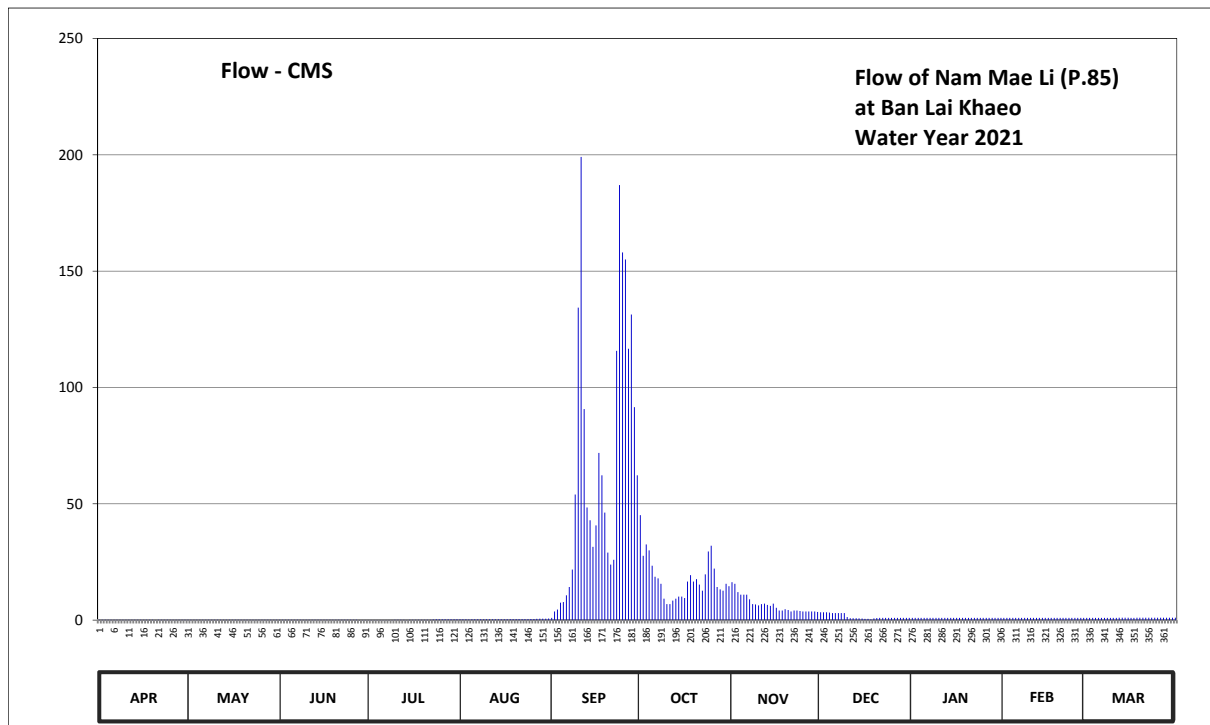
Lat 18 - 21 - 59 N Long 98 - 46 - 20 E

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 29 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

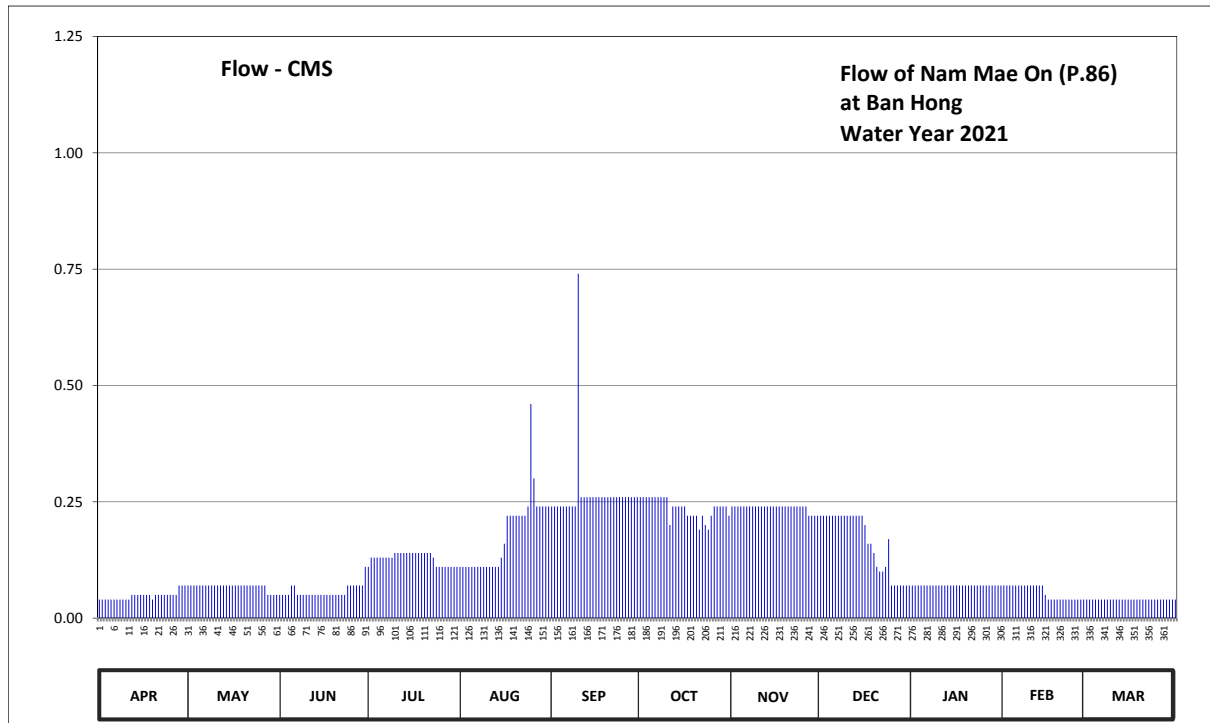
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	288.89	288.93	288.92	288.87	289.12	289.74	291.12	290.49	289.99	289.95	289.95	289.96	
2	288.89	288.93	288.92	288.87	289.11	290.01	290.78	290.47	289.99	289.95	289.95	289.97	
3	288.89	288.92	288.92	288.86	289.11	290.05	290.88	290.36	289.99	289.94	289.94	289.97	
4	288.89	288.91	288.92	288.85	289.10	290.20	290.83	290.32	289.98	289.93	289.94	289.97	
5	288.89	288.92	288.92	288.85	289.11	290.21	290.68	290.32	289.97	289.93	289.94	289.97	
6	288.89	288.92	288.92	288.85	289.11	290.31	290.56	290.32	289.97	289.93	289.93	289.97	
7	288.89	288.92	288.92	288.85	289.11	290.43	290.54	290.25	289.97	289.93	289.93	289.97	
8	288.89	288.92	288.92	288.87	289.11	290.64	290.47	290.17	289.97	289.93	289.93	289.97	
9	288.89	288.92	288.92	288.88	289.12	291.27	290.26	290.16	289.97	289.93	289.93	289.97	
10	288.89	288.92	288.92	288.89	289.14	292.28	290.17	290.14	289.83	289.93	289.93	289.97	
11	288.89	288.92	288.92	288.89	289.11	292.91	290.17	290.17	289.60	289.93	289.93	289.99	
12	288.89	288.92	288.92	288.89	289.11	291.79	290.23	290.18	289.59	289.93	289.93	290.01	
13	288.89	288.92	288.92	288.89	289.11	291.18	290.26	290.15	289.61	289.93	289.94	290.01	
14	288.89	288.92	288.92	288.88	289.15	291.08	290.29	290.13	289.58	289.93	289.95	290.01	
15	288.89	288.92	288.92	288.91	289.15	290.86	290.29	290.18	289.48	289.93	289.95	290.00	
16	288.89	288.92	288.92	288.91	289.17	291.04	290.27	290.09	289.37	289.93	289.95	289.95	
17	288.89	288.92	288.92	288.91	289.17	291.54	290.50	290.03	289.33	289.93	289.95	289.98	
18	288.92	288.92	288.92	288.93	289.19	291.40	290.58	290.03	289.36	289.93	289.95	290.03	
19	288.89	288.92	288.92	288.93	289.19	291.14	290.50	290.06	289.72	289.93	289.95	290.03	
20	288.84	288.92	288.92	288.93	289.19	290.81	290.53	290.04	289.91	289.93	289.95	290.03	
21	288.91	288.92	288.92	288.93	289.19	290.69	290.46	290.01	289.93	289.93	289.95	290.03	
22	288.91	288.92	288.92	288.95	289.19	290.74	290.38	290.03	289.95	289.93	289.95	290.02	
23	288.91	288.92	288.92	289.09	289.21	292.08	290.59	290.03	289.95	289.93	289.95	290.02	
24	288.91	288.92	288.92	289.16	289.23	292.80	290.82	290.02	289.95	289.93	289.95	290.02	
25	288.92	288.92	288.92	289.15	289.26	292.52	290.87	290.01	289.94	289.93	289.95	290.02	
26	288.91	288.92	288.92	289.13	289.26	292.49	290.65	290.01	289.93	289.93	289.95	290.02	
27	288.92	288.92	288.91	289.13	289.36	292.09	290.43	290.01	289.93	289.93	289.95	290.02	
28	288.92	288.92	288.87	289.13	289.38	292.25	290.40	290.01	289.93	289.93	289.95	290.01	
29	288.93	288.92	288.84	289.12	289.38	291.80	290.38	290.01	289.93	289.93		290.01	
30	288.93	288.92	288.85	289.12	289.42	291.40	290.47	290.00	289.93	289.93		290.01	
31		288.92		289.12	289.48		290.44		289.93	289.93		290.01	
Mean	288.90	288.92	288.91	288.96	289.19	291.26	290.51	290.14	289.82	289.93	289.94	290.00	
Max	288.93	288.93	288.92	289.16	289.48	292.91	291.12	290.49	289.99	289.95	289.95	290.03	292.91
Min	288.84	288.91	288.84	288.85	289.10	289.74	290.17	290.00	289.33	289.93	289.93	289.95	288.84
Annual Max Momentary Gage Height	293.27		m. (MSL.) ,			at 06.00 Hours , on Sep 11, 2021							
Zero Gage at Bottom Elevation		290.37	m. (MSL.) ,			River Bed	287.75	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.10	0.13	0.12	0.09	0.32	0.94	45.10	16.26	3.35	0.95	0.95	0.96	
2	0.10	0.13	0.12	0.09	0.31	3.70	27.65	15.58	3.35	0.95	0.95	0.97	
3	0.10	0.12	0.12	0.08	0.31	4.50	32.50	12.06	3.35	0.94	0.94	0.97	
4	0.10	0.11	0.12	0.08	0.30	7.50	30.00	10.92	3.20	0.93	0.94	0.97	
5	0.10	0.12	0.12	0.08	0.31	7.79	23.40	10.92	3.05	0.93	0.94	0.97	
6	0.10	0.12	0.12	0.08	0.31	10.64	18.64	10.92	3.05	0.93	0.93	0.97	
7	0.10	0.12	0.12	0.08	0.31	14.22	17.96	8.93	3.05	0.93	0.93	0.97	
8	0.10	0.12	0.12	0.09	0.31	21.70	15.58	6.90	3.05	0.93	0.93	0.97	
9	0.10	0.12	0.12	0.09	0.32	53.95	9.21	6.70	3.05	0.93	0.93	0.97	
10	0.10	0.12	0.12	0.10	0.34	134.30	6.90	6.30	1.30	0.93	0.93	0.97	
11	0.10	0.12	0.12	0.10	0.31	199.10	6.90	6.90	0.80	0.93	0.93	0.99	
12	0.10	0.12	0.12	0.10	0.31	90.73	8.36	7.10	0.79	0.93	0.93	1.01	
13	0.10	0.12	0.12	0.10	0.31	48.40	9.21	6.50	0.81	0.93	0.94	1.01	
14	0.10	0.12	0.12	0.09	0.35	42.90	10.07	6.10	0.78	0.93	0.95	1.01	
15	0.10	0.12	0.12	0.11	0.35	31.50	10.07	7.10	0.68	0.93	0.95	1.00	
16	0.10	0.12	0.12	0.11	0.37	40.70	9.50	5.30	0.57	0.93	0.95	0.95	
17	0.10	0.12	0.12	0.11	0.37	71.86	16.60	4.10	0.53	0.93	0.95	0.98	
18	0.12	0.12	0.12	0.13	0.39	62.20	19.32	4.10	0.36	0.93	0.95	1.03	
19	0.10	0.12	0.12	0.13	0.39	46.20	16.60	4.70	0.72	0.93	0.95	1.03	
20	0.07	0.12	0.12	0.13	0.39	29.00	17.62	4.30	0.91	0.93	0.95	1.03	
21	0.11	0.12	0.12	0.13	0.39	23.83	15.24	3.70	0.93	0.93	0.95	1.03	
22	0.11	0.12	0.12	0.15	0.39	25.95	12.63	4.10	0.95	0.93	0.95	1.02	
23	0.11	0.12	0.12	0.29	0.41	115.70	19.66	4.10	0.95	0.93	0.95	1.02	
24	0.11	0.12	0.12	0.36	0.43	187.00	29.50	3.90	0.95	0.93	0.95	1.02	
25	0.12	0.12	0.12	0.35	0.46	158.00	32.00	3.70	0.94	0.93	0.95	1.02	
26	0.11	0.12	0.12	0.33	0.46	155.00	22.13	3.70	0.93	0.93	0.95	1.02	
27	0.12	0.12	0.11	0.33	0.56	116.60	14.22	3.70	0.93	0.93	0.95	1.02	
28	0.12	0.12	0.09	0.33	0.58	131.37	13.20	3.70	0.93	0.93	0.95	1.01	
29	0.13	0.12	0.07	0.32	0.58	91.50	12.63	3.70	0.93	0.93		1.01	
30	0.13	0.12	0.08	0.32	0.62	62.20	15.58	3.50	0.93	0.93		1.01	
31		0.12		0.32	0.68		14.56		0.93	0.93		1.01	
Total	3.16	3.73	3.47	5.20	12.24	1988.98	552.54	199.49	47.05	28.88	26.42	30.92	2902.08 CMSDAY
Mean	0.11	0.12	0.12	0.17	0.39	66.30	17.82	6.65	1.52	0.93	0.94	1.00	7.95 CMS
Max	0.13	0.13	0.12	0.36	0.68	199.10	45.10	16.26	3.35	0.95	0.95	1.03	199.10 CMS
Min	0.07	0.11	0.07	0.08	0.30	0.94	6.90	3.50	0.36	0.93	0.93	0.95	0.07 CMS
Runoff	0.27	0.32	0.30	0.45	1.06	171.85	47.74	17.24	4.07	2.50	2.28	2.67	250.74 MCM
Momentary Peak	240.05 CMS. at 293.27 m. (MSL.) at 06.00 Hours , on Sep 11, 2021												
Runoff Yield	3.91	Liters/Second/Square KM.			Momentary Peak Yield			117.90	Liters/Second/Square KM.				

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	340.98	341.01	341.00	341.04	341.04	341.12	341.13	341.12	341.11	341.01	341.01	340.97	
	2	340.98	341.01	341.00	341.05	341.04	341.12	341.13	341.12	341.11	341.01	341.01	340.97	
	3	340.98	341.01	341.00	341.05	341.04	341.12	341.13	341.12	341.11	341.01	341.01	340.97	
	4	340.98	341.01	341.00	341.05	341.04	341.12	341.13	341.12	341.11	341.01	341.01	340.97	
	5	340.98	341.01	341.01	341.05	341.04	341.12	341.13	341.12	341.11	341.01	341.01	340.97	
	6	340.98	341.01	341.01	341.05	341.04	341.12	341.13	341.12	341.11	341.01	341.01	340.97	
	7	340.98	341.01	341.00	341.05	341.04	341.12	341.13	341.12	341.11	341.01	341.01	340.97	
	8	340.98	341.01	341.00	341.05	341.04	341.12	341.13	341.12	341.11	341.01	341.01	340.97	
	9	340.98	341.01	341.00	341.05	341.04	341.12	341.13	341.12	341.11	341.01	341.01	340.97	
	10	340.98	341.01	341.00	341.06	341.04	341.31	341.13	341.12	341.11	341.01	341.01	340.97	
	11	340.98	341.01	341.00	341.06	341.04	341.13	341.10	341.12	341.11	341.01	341.01	340.97	
	12	341.00	341.01	341.00	341.06	341.04	341.13	341.12	341.12	341.11	341.01	341.01	340.97	
	13	341.00	341.01	341.00	341.06	341.04	341.13	341.12	341.12	341.11	341.01	341.01	340.97	
	14	341.00	341.01	341.00	341.06	341.04	341.13	341.12	341.12	341.11	341.01	341.01	340.97	
	15	341.00	341.01	341.00	341.06	341.05	341.13	341.12	341.12	341.11	341.01	341.00	340.97	
	16	341.00	341.01	341.00	341.06	341.07	341.13	341.12	341.12	341.10	341.01	340.97	340.97	
	17	341.00	341.01	341.00	341.06	341.11	341.13	341.11	341.12	341.07	341.01	340.97	340.97	
	18	340.99	341.01	341.00	341.06	341.11	341.13	341.11	341.12	341.07	341.01	340.97	340.97	
	19	340.98	341.01	341.00	341.06	341.11	341.13	341.11	341.12	341.06	341.01	340.97	340.97	
	20	340.99	341.01	341.00	341.06	341.11	341.13	341.11	341.12	341.04	341.01	340.97	340.97	
	21	341.00	341.01	341.00	341.06	341.11	341.13	341.09	341.12	341.03	341.01	340.97	340.97	
	22	341.00	341.01	340.99	341.06	341.11	341.13	341.11	341.12	341.03	341.01	340.97	340.97	
	23	341.00	341.01	341.00	341.05	341.11	341.13	341.10	341.12	341.04	341.01	340.97	340.97	
	24	341.00	341.01	341.01	341.04	341.12	341.13	341.09	341.12	341.08	341.01	340.97	340.97	
	25	341.00	341.01	341.01	341.04	341.22	341.13	341.11	341.12	341.01	341.01	340.97	340.97	
	26	341.00	341.01	341.01	341.04	341.15	341.13	341.12	341.12	341.01	341.01	340.97	340.97	
	27	341.00	341.01	341.01	341.04	341.12	341.13	341.12	341.11	341.01	341.01	340.97	340.97	
	28	341.01	341.00	341.01	341.04	341.12	341.13	341.12	341.11	341.01	341.01	340.97	340.97	
	29	341.01	341.00	341.01	341.04	341.12	341.13	341.12	341.11	341.01	341.01		340.97	
	30	341.01	341.00	341.04	341.04	341.12	341.13	341.12	341.11	341.01	341.01		340.97	
	31		341.00		341.04	341.12		341.11		341.01	341.01		340.97	
Mean		340.99	341.01	341.00	341.05	341.08	341.13	341.12	341.12	341.07	341.01	340.99	340.97	
Max		341.01	341.01	341.04	341.06	341.22	341.31	341.13	341.12	341.11	341.01	341.01	340.97	341.31
Min		340.98	341.00	340.99	341.04	341.04	341.12	341.09	341.11	341.01	341.01	340.97	340.97	340.97
Annual Max Momentary Gage Height			341.66		m. (MSL) ,	at 09:00 Hours , on Sep 10, 2021								
Zero Gage at Bottom Elevation			341.20		m. (MSL) ,	River Bed	340.59	m. (MSL.)						
Left Bank Elevation			345.47		m. (MSL) ,									
Right Bank Elevation			345.43		m. (MSL.) ,	Drainage Are	100	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.04	0.07	0.05	0.11	0.11	0.24	0.26	0.24	0.22	0.07	0.07	0.04		
2	0.04	0.07	0.05	0.13	0.11	0.24	0.26	0.24	0.22	0.07	0.07	0.04		
3	0.04	0.07	0.05	0.13	0.11	0.24	0.26	0.24	0.22	0.07	0.07	0.04		
4	0.04	0.07	0.05	0.13	0.11	0.24	0.26	0.24	0.22	0.07	0.07	0.04		
5	0.04	0.07	0.07	0.13	0.11	0.24	0.26	0.24	0.22	0.07	0.07	0.04		
6	0.04	0.07	0.07	0.13	0.11	0.24	0.26	0.24	0.22	0.07	0.07	0.04		
7	0.04	0.07	0.05	0.13	0.11	0.24	0.26	0.24	0.22	0.07	0.07	0.04		
8	0.04	0.07	0.05	0.13	0.11	0.24	0.26	0.24	0.22	0.07	0.07	0.04		
9	0.04	0.07	0.05	0.13	0.11	0.24	0.26	0.24	0.22	0.07	0.07	0.04		
10	0.04	0.07	0.05	0.14	0.11	0.74	0.26	0.24	0.22	0.07	0.07	0.04		
11	0.04	0.07	0.05	0.14	0.11	0.26	0.20	0.24	0.22	0.07	0.07	0.04		
12	0.05	0.07	0.05	0.14	0.11	0.26	0.24	0.24	0.22	0.07	0.07	0.04		
13	0.05	0.07	0.05	0.14	0.11	0.26	0.24	0.24	0.22	0.07	0.07	0.04		
14	0.05	0.07	0.05	0.14	0.11	0.26	0.24	0.24	0.22	0.07	0.07	0.04		
15	0.05	0.07	0.05	0.14	0.13	0.26	0.24	0.24	0.22	0.07	0.05	0.04		
16	0.05	0.07	0.05	0.14	0.16	0.26	0.24	0.24	0.20	0.07	0.04	0.04		
17	0.05	0.07	0.05	0.14	0.22	0.26	0.22	0.24	0.16	0.07	0.04	0.04		
18	0.05	0.07	0.05	0.14	0.22	0.26	0.22	0.24	0.16	0.07	0.04	0.04		
19	0.04	0.07	0.05	0.14	0.22	0.26	0.22	0.24	0.14	0.07	0.04	0.04		
20	0.05	0.07	0.05	0.14	0.22	0.26	0.22	0.24	0.11	0.07	0.04	0.04		
21	0.05	0.07	0.05	0.14	0.22	0.26	0.19	0.24	0.10	0.07	0.04	0.04		
22	0.05	0.07	0.05	0.14	0.22	0.26	0.22	0.24	0.10	0.07	0.04	0.04		
23	0.05	0.07	0.05	0.13	0.22	0.26	0.20	0.24	0.11	0.07	0.04	0.04		
24	0.05	0.07	0.07	0.11	0.24	0.26	0.19	0.24	0.17	0.07	0.04	0.04		
25	0.05	0.07	0.07	0.11	0.46	0.26	0.22	0.24	0.07	0.07	0.04	0.04		
26	0.05	0.07	0.07	0.11	0.30	0.26	0.24	0.24	0.07	0.07	0.04	0.04		
27	0.05	0.07	0.07	0.11	0.24	0.26	0.24	0.22	0.07	0.07	0.04	0.04		
28	0.07	0.05	0.07	0.11	0.24	0.26	0.24	0.22	0.07	0.07	0.04	0.04		
29	0.07	0.05	0.07	0.11	0.24	0.26	0.24	0.22	0.07	0.07		0.04		
30	0.07	0.05	0.11	0.11	0.24	0.26	0.24	0.22	0.07	0.07		0.04		
31		0.05		0.11	0.24		0.22		0.07	0.07		0.04		
Total	1.44	2.09	1.72	3.98	5.57	8.10	7.32	7.12	5.04	2.17	1.55	1.24	47.34	CMSDAY
Mean	0.05	0.07	0.06	0.13	0.18	0.27	0.24	0.24	0.16	0.07	0.06	0.04	0.13	CMS
Max	0.07	0.07	0.11	0.14	0.46	0.74	0.26	0.24	0.22	0.07	0.07	0.04	0.74	CMS
Min	0.04	0.05	0.05	0.11	0.11	0.24	0.19	0.22	0.07	0.07	0.04	0.04	0.04	CMS
Runoff	0.12	0.18	0.15	0.34	0.48	0.70	0.63	0.62	0.44	0.19	0.13	0.11	4.09	MCM
Momentary Peak	2.46 CMS. at 341.66 m. (MSL.) at 09.00 Hours , on Sep 10, 2021													
Runoff Yield	1.30					Momentary Peak Yield		24.60	Liters/Second/Square KM.					

WATER YEAR : 2021**PING RIVER BASIN****Nam Mae Tha at Ban Pa Cang Noy, Lamphun (P.87)**

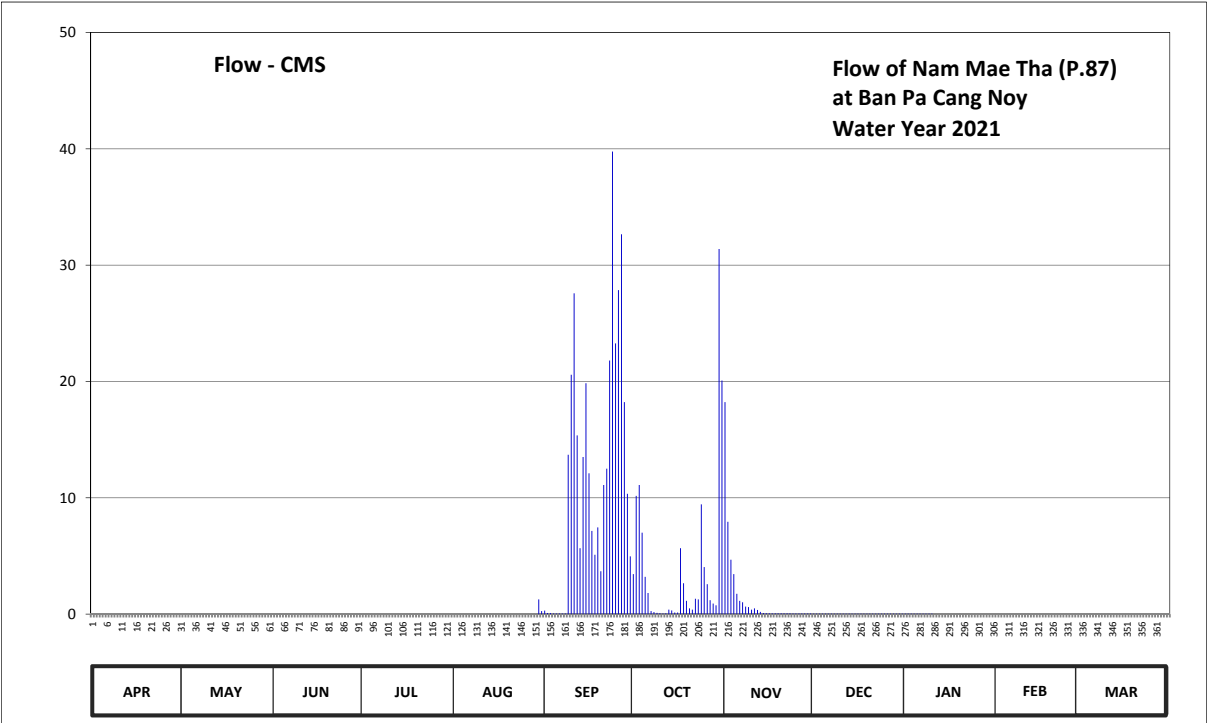
Lat 18 - 31 - 13 N Long 98 - 56 - 34 E

Location : on left bank at Ban Pa Cang Noy.

	Ban	Pa Cang Noy	Amphoe	Pa Cang	Changwat	Lamphun
Drainage Area	950	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+288.954 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+293.954 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 31 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

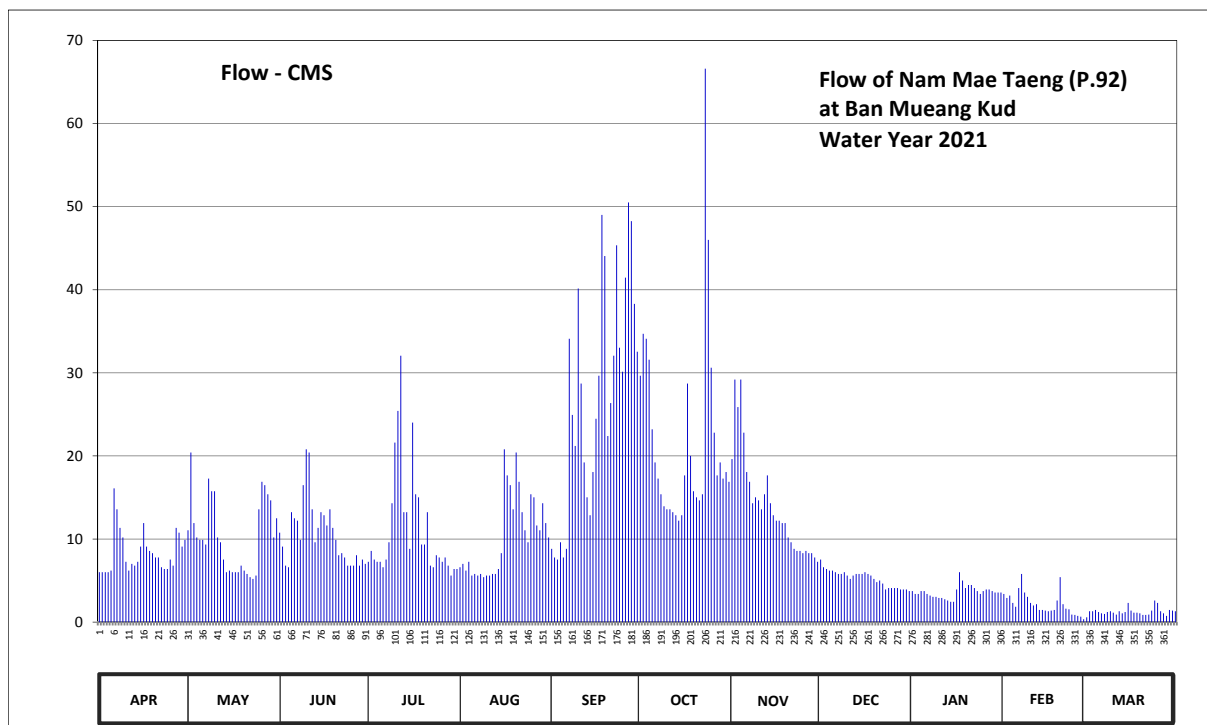
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	289.54	289.58	289.55	289.53	289.53	290.05	290.52	291.36	289.62	289.61	289.63	289.60	
2	289.54	289.61	289.55	289.53	289.53	289.86	290.97	290.84	289.61	289.60	289.63	289.60	
3	289.54	289.60	289.55	289.54	289.53	289.88	291.02	290.62	289.60	289.60	289.63	289.60	
4	289.54	289.60	289.55	289.53	289.53	289.71	290.78	290.52	289.60	289.60	289.63	289.60	
5	289.55	289.60	289.55	289.53	289.53	289.70	290.50	290.33	289.60	289.60	289.63	289.60	
6	289.55	289.60	289.55	289.53	289.53	289.71	290.34	290.24	289.59	289.60	289.63	289.60	
7	289.55	289.60	289.55	289.53	289.54	289.70	290.03	290.22	289.59	289.60	289.63	289.60	
8	289.55	289.60	289.55	289.54	289.53	289.70	289.98	290.15	289.59	289.59	289.63	289.60	
9	289.55	289.59	289.55	289.55	289.52	291.15	289.91	290.14	289.59	289.58	289.63	289.60	
10	289.55	289.56	289.55	289.58	289.51	291.46	289.78	290.09	289.60	289.59	289.63	289.60	
11	289.55	289.55	289.55	289.55	289.53	291.73	289.72	290.12	289.60	289.60	289.63	289.60	
12	289.55	289.55	289.53	289.58	289.53	291.23	289.75	290.08	289.61	289.60	289.63	289.60	
13	289.54	289.55	289.53	289.57	289.53	290.69	290.09	289.99	289.60	289.61	289.63	289.60	
14	289.54	289.55	289.53	289.57	289.53	291.14	290.06	289.86	289.60	289.61	289.62	289.60	
15	289.54	289.55	289.56	289.58	289.53	291.43	289.93	289.79	289.60	289.60	289.62	289.60	
16	289.54	289.55	289.56	289.56	289.54	291.07	289.93	289.76	289.60	289.60	289.62	289.60	
17	289.54	289.55	289.56	289.56	289.58	290.79	290.69	289.75	289.60	289.61	289.62	289.60	
18	289.54	289.55	289.56	289.55	289.57	290.65	290.44	289.75	289.60	289.64	289.62	289.60	
19	289.54	289.55	289.55	289.55	289.57	290.81	290.24	289.75	289.60	289.65	289.61	289.60	
20	289.54	289.55	289.54	289.56	289.57	290.54	290.12	289.75	289.60	289.65	289.60	289.60	
21	289.54	289.55	289.53	289.55	289.57	291.02	290.09	289.76	289.60	289.65	289.60	289.60	
22	289.54	289.54	289.53	289.55	289.56	291.09	290.27	289.75	289.60	289.65	289.60	289.60	
23	289.54	289.54	289.53	289.54	289.56	291.51	290.26	289.73	289.60	289.65	289.60	289.60	
24	289.54	289.54	289.53	289.53	289.57	292.11	290.93	289.70	289.60	289.65	289.60	289.60	
25	289.54	289.54	289.53	289.55	289.59	291.57	290.57	289.70	289.60	289.65	289.60	289.60	
26	289.54	289.54	289.53	289.55	289.57	291.74	290.43	289.67	289.60	289.65	289.60	289.60	
27	289.54	289.54	289.53	289.55	289.57	291.90	290.25	289.65	289.60	289.65	289.60	289.60	
28	289.54	289.55	289.53	289.54	289.57	291.36	290.20	289.66	289.60	289.65	289.60	289.60	
29	289.54	289.55	289.53	289.53	289.88	290.98	290.17	289.66	289.60	289.64		289.60	
30	289.54	289.55	289.53	289.53	290.26	290.64	291.86	289.63	289.60	289.63		289.60	
31		289.55		289.53	290.03		291.44		289.60	289.63		289.60	
Mean	289.54	289.56	289.54	289.55	289.60	290.83	290.36	290.00	289.60	289.62	289.62	289.60	
Max	289.55	289.61	289.56	289.58	290.26	292.11	291.86	291.36	289.62	289.65	289.63	289.60	292.11
Min	289.54	289.54	289.53	289.53	289.51	289.70	289.72	289.63	289.59	289.58	289.60	289.60	289.51
Annual Max Momentary Gage Height	294.00		m. (MSL.) ,			at 13.00 Hours ,	on Oct 30, 2021						
Zero Gage at Bottom Elevation		288.95	m. (MSL.) ,			River Bed	287.54	m. (MSL.)					
Left Bank Elevation		293.99	m. (MSL.) ,										
Right Bank Elevation		294.00	m. (MSL.) ,			Drainage Are	950	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	0.00	0.30	3.44	18.22	0.04	0.04	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.09	10.16	7.94	0.04	0.04	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	0.10	11.10	4.68	0.04	0.04	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	0.06	7.00	3.44	0.04	0.04	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.06	3.20	1.74	0.04	0.04	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	0.06	1.82	1.14	0.04	0.04	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	0.06	0.26	1.02	0.04	0.04	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.06	0.18	0.65	0.04	0.04	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	13.70	0.11	0.60	0.04	0.04	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	20.57	0.08	0.38	0.04	0.04	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	27.58	0.06	0.50	0.04	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	15.36	0.07	0.36	0.04	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.00	5.66	0.38	0.19	0.04	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.00	13.50	0.32	0.09	0.04	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.00	19.84	0.13	0.08	0.04	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.00	12.10	0.13	0.07	0.04	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.00	7.15	5.66	0.07	0.04	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.00	5.10	2.66	0.07	0.04	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.00	7.46	1.14	0.07	0.04	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.00	3.68	0.50	0.07	0.04	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.00	11.10	0.38	0.07	0.04	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.00	12.50	1.32	0.07	0.04	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	21.80	1.26	0.07	0.04	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.00	39.76	9.44	0.06	0.04	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	23.27	4.04	0.06	0.04	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	27.85	2.57	0.05	0.04	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	32.65	1.20	0.05	0.04	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.00	18.22	0.90	0.05	0.04	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	10.34	0.75	0.05	0.04	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	1.26	4.96	31.39	0.05	0.04	0.00	0.00	0.00	
31		0.00		0.00	0.26		20.08		0.04	0.00		0.00	
Total	0.00	0.00	0.00	0.00	1.52	354.94	121.73	41.96	1.24	0.40	0.00	0.00	521.79 CMS
Mean	0.00	0.00	0.00	0.00	0.05	11.83	3.93	1.40	0.04	0.01	0.00	0.00	1.43 CMS
Max	0.00	0.00	0.00	0.00	1.26	39.76	31.39	18.22	0.04	0.04	0.00	0.00	39.76 CMS
Min	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.05	0.04	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	0.00	0.00	0.00	0.13	30.67	10.52	3.63	0.11	0.03	0.00	0.00	45.08 MCM
Momentary Peak	CMS. at 294.00 m. (MSL.) at 13.00 Hours , on Oct 30, 2021												
Runoff Yield	1.50	Liters/Second/Square KM.				Momentary Peak Yield		148.42	Liters/Second/Square KM.				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.02	0.04	0.02	0.04	0.04	0.19	0.60	18.30	0.17	0.05	0.03	0.04		
2	0.02	0.04	0.02	0.04	0.04	0.17	3.40	5.46	0.17	0.04	0.02	0.04		
3	0.02	0.13	0.02	0.04	0.03	0.17	2.65	4.18	0.16	0.04	0.02	0.03		
4	0.02	1.48	0.02	0.04	0.03	1.12	1.00	5.14	0.17	0.04	0.03	0.03		
5	0.02	0.60	0.02	0.04	0.04	0.84	1.00	1.60	0.17	0.04	0.16	0.03		
6	0.02	0.04	0.02	0.04	0.04	0.84	1.00	1.00	0.16	0.04	0.11	0.02		
7	0.02	0.04	0.02	0.04	0.04	0.84	0.84	0.84	0.16	0.04	0.36	0.02		
8	0.02	0.04	0.02	0.03	0.04	0.84	0.60	1.12	0.17	0.04	0.14	0.02		
9	0.02	0.04	0.02	0.14	0.04	0.92	0.84	1.60	0.17	0.04	0.08	0.02		
10	0.02	0.04	1.24	0.05	0.04	0.84	0.84	0.17	0.13	0.04	0.05	0.02		
11	0.02	0.04	0.14	0.05	0.04	0.84	0.68	0.17	0.05	0.04	0.05	0.02		
12	0.02	0.04	0.14	0.07	0.04	0.84	0.76	0.17	0.08	0.04	0.04	0.02		
13	0.02	0.04	0.13	0.05	0.04	0.28	0.17	0.28	0.05	0.04	0.04	0.02		
14	0.02	0.04	0.10	0.04	0.05	1.00	0.17	0.17	0.05	0.03	0.04	0.02		
15	0.02	0.04	0.84	0.04	1.00	0.76	0.17	0.17	0.04	0.03	0.04	0.02		
16	0.02	0.02	0.84	0.04	0.20	0.20	0.28	0.16	0.03	0.03	0.04	0.02		
17	0.02	0.02	0.84	0.03	0.05	0.52	0.68	0.20	0.03	0.03	0.04	0.02		
18	0.02	0.02	0.60	0.03	0.05	0.44	0.68	0.17	0.05	0.19	0.03	0.02		
19	0.02	0.02	0.08	0.03	0.05	2.35	0.60	0.20	0.08	0.10	0.03	0.02		
20	0.02	0.02	0.08	0.02	1.84	0.28	0.52	0.20	0.05	0.44	0.92	0.02		
21	0.02	0.02	0.07	0.02	2.50	0.20	0.44	0.20	0.07	0.17	0.52	0.02		
22	0.02	0.02	0.04	0.02	0.92	0.20	1.84	0.20	0.05	0.13	0.28	0.02		
23	0.02	0.02	0.04	0.04	0.17	0.92	30.68	0.20	0.04	0.14	0.14	0.02		
24	0.02	0.01	0.04	0.04	0.17	0.28	2.95	0.68	0.05	0.14	0.08	0.02		
25	0.05	0.01	0.04	0.04	0.28	0.44	1.72	0.20	0.04	0.14	0.05	0.02		
26	0.07	0.01	0.04	0.04	0.20	1.00	0.84	0.19	0.04	0.14	0.13	0.02		
27	0.07	0.01	0.04	0.04	0.17	0.28	0.84	0.19	0.04	0.14	0.03	0.02		
28	0.07	0.01	0.05	0.04	0.20	0.84	0.84	0.19	0.04	0.11	0.03	0.02		
29	0.04	0.02	0.05	0.04	0.17	0.84	0.19	0.28	0.04	0.03		0.02		
30	0.04	0.02	0.05	0.04	0.17	0.84	0.19	0.19	0.04	0.03		0.02		
31		0.02		0.04	0.17		0.19		0.04	0.03		0.02		
Total	0.82	2.96	5.67	1.30	8.86	20.12	58.20	43.82	2.63	2.58	3.53	0.69	151.18	CMSDAY
Mean	0.03	0.10	0.19	0.04	0.29	0.67	1.88	1.46	0.08	0.08				



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.00	11.05	10.76	7.26	6.60	8.82	29.66	19.61	7.52	3.74	3.38	0.58	
2	6.00	20.40	9.08	8.56	7.00	7.78	34.70	29.18	6.60	3.38	2.90	1.30	
3	6.00	11.92	6.80	7.52	6.20	7.52	34.10	25.88	6.40	3.38	3.20	1.30	
4	6.00	10.18	6.60	7.26	7.26	9.60	31.58	29.18	6.20	3.74	2.30	1.46	
5	6.20	9.89	13.22	7.26	5.60	7.78	23.20	22.80	6.20	3.74	1.85	1.22	
6	16.10	9.89	12.50	6.60	5.80	8.82	19.22	18.05	6.00	3.38	4.10	1.06	
7	13.58	9.34	12.21	7.52	5.60	34.10	17.27	16.88	5.80	3.20	5.80	0.98	
8	11.34	17.27	9.89	9.60	5.80	24.94	15.38	14.30	5.80	3.05	3.56	1.22	
9	10.18	15.74	16.49	14.30	5.40	21.20	13.94	15.02	6.00	3.05	3.05	1.30	
10	7.26	15.74	20.80	21.60	5.60	40.15	13.58	14.66	5.60	2.90	2.30	1.14	
11	6.20	10.18	20.40	25.41	5.60	28.70	13.58	13.58	5.20	2.90	2.00	0.90	
12	7.00	9.60	13.58	32.06	5.80	19.22	13.22	15.38	5.60	2.75	2.15	1.30	
13	6.80	7.52	9.60	13.22	5.80	15.02	12.86	17.66	5.80	2.60	1.46	1.06	
14	7.26	6.00	11.34	13.22	6.40	12.86	12.21	14.30	5.80	2.45	1.46	1.22	
15	9.08	6.20	13.22	8.82	8.30	18.05	12.86	12.86	5.80	2.45	1.38	2.30	
16	11.92	6.00	12.86	24.00	20.80	24.47	17.66	12.21	6.00	3.92	1.30	1.38	
17	9.08	6.00	11.63	15.38	17.66	29.66	28.70	12.21	5.80	6.00	1.38	1.14	
18	8.56	6.00	13.58	15.02	16.49	49.00	20.00	11.92	5.60	5.00	1.46	1.14	
19	8.30	6.80	11.34	9.34	13.58	44.05	15.74	11.92	5.20	4.10	2.60	1.06	
20	7.78	6.20	9.89	9.34	20.40	22.40	15.02	10.18	4.82	4.46	5.40	0.86	
21	7.78	5.80	8.04	13.22	16.88	26.35	14.66	9.60	5.00	4.46	2.15	0.86	
22	6.60	5.40	8.30	6.80	13.22	32.06	15.38	8.82	4.64	4.10	1.62	0.90	
23	6.40	5.20	7.78	6.60	11.05	45.35	66.60	8.56	3.92	3.74	1.54	1.38	
24	6.40	5.60	6.80	8.04	9.60	33.02	46.00	8.56	4.10	3.38	0.90	2.60	
25	7.52	13.58	6.80	7.78	15.38	30.14	30.62	8.30	4.10	3.74	0.86	2.30	
26	6.80	16.88	6.80	7.26	15.02	41.45	22.80	8.56	4.10	3.92	0.74	1.30	
27	11.34	16.49	8.04	7.78	11.63	50.50	17.66	8.30	4.10	3.92	0.66	1.06	
28	10.76	15.38	6.80	6.80	11.05	48.25	19.22	8.30	3.92	3.74	0.35	0.74	
29	9.08	14.66	7.52	5.60	14.30	38.30	17.27	7.78	3.92	3.56		1.46	
30	9.89	10.18	7.00	6.40	11.92	32.54	18.05	7.26	3.92	3.56		1.38	
31		12.50		6.40	10.18		16.88		3.74	3.56		1.30	
Total	253.21	323.59	319.67	345.97	321.92	812.10	679.62	421.82	163.20	111.87	61.85	39.20	3854.02 CMSDAY
Mean	8.44	10.44	10.66	11.16	10.38	27.07	21.92	14.06	5.26	3.61	2.21	1.26	10.56 CMS
Max	16.10	20.40	20.80	32.06	20.80	50.50	66.60	29.18	7.52	6.00	5.80	2.60	66.60 CMS
Min	6.00	5.20	6.60	5.60	5.40	7.52	12.21	7.26	3.74	2.45	0.35	0.58	0.35 CMS
Runoff	21.88	27.96	27.62	29.89	27.81	70.17	58.72	36.45	14.10	9.67	5.34	3.39	332.99 MCM
Momentary Peak	93.00 CMS. at 443.14 m. (MSL.) at 13.00 Hours , on Oct 23, 2021												
Runoff Yield	5.86	Liters/Second/Square KM.		Momentary Peak Yield		51.58	Liters/Second/Square KM.						

WATER YEAR : 2021**PING RIVER BASIN****Nam Mae Taeng at Ban Huai Pa Cang, Chiang Mai (P.92A)**

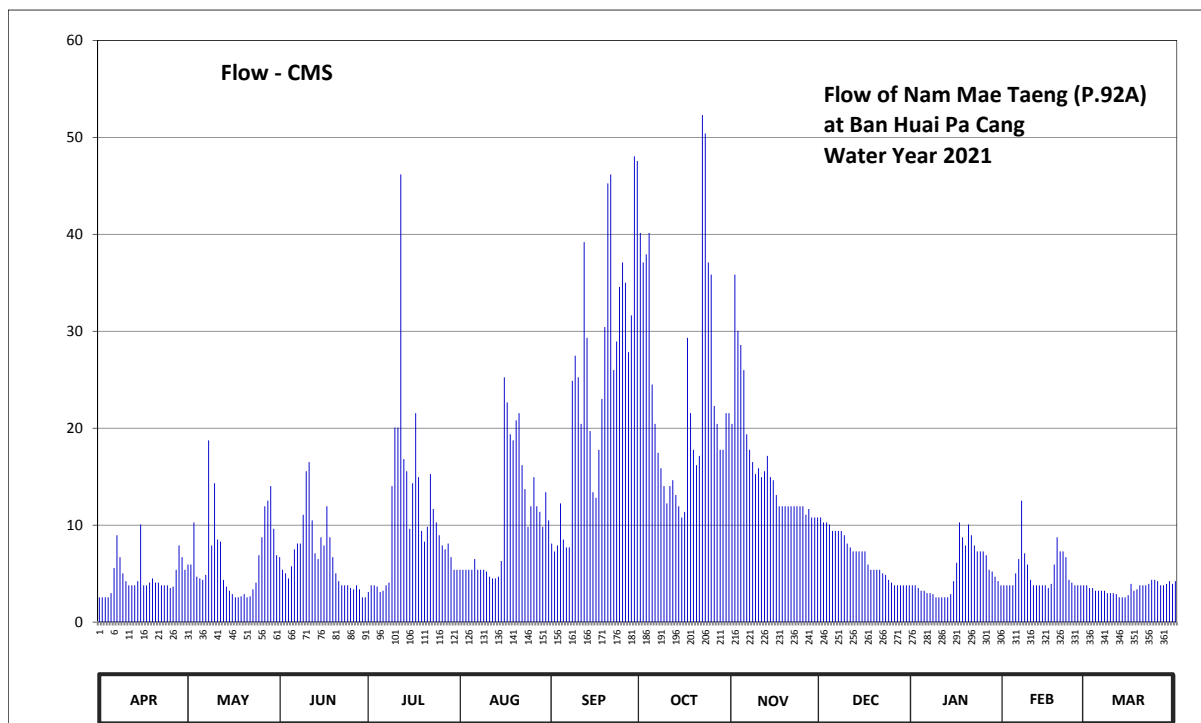
Lat 19 - 10 - 45 N Long 98 - 54 - 59 E

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.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+346.652 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+355.324 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 29 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	347.15	347.38	347.42	347.20	347.35	347.49	348.42	347.92	347.61	347.25	347.25	347.25	
	2	347.15	347.38	347.35	347.25	347.35	347.45	348.35	348.32	347.59	347.25	347.25	347.23	
	3	347.15	347.59	347.33	347.25	347.35	347.48	348.37	348.18	347.59	347.23	347.25	347.23	
	4	347.15	347.31	347.30	347.24	347.35	347.66	348.42	348.14	347.58	347.21	347.25	347.21	
	5	347.19	347.30	347.37	347.20	347.35	347.51	348.03	348.07	347.55	347.21	347.33	347.21	
	6	347.36	347.29	347.46	347.21	347.41	347.47	347.92	347.89	347.55	347.19	347.41	347.21	
	7	347.53	347.32	347.49	347.25	347.35	347.47	347.83	347.84	347.55	347.19	347.67	347.21	
	8	347.42	347.87	347.49	347.27	347.35	348.04	347.78	347.80	347.55	347.18	347.44	347.19	
	9	347.33	347.48	347.62	347.72	347.35	348.11	347.72	347.76	347.53	347.15	347.38	347.19	
	10	347.28	347.73	347.77	347.91	347.34	348.05	347.66	347.78	347.49	347.15	347.29	347.19	
	11	347.25	347.51	347.80	347.91	347.31	347.92	347.72	347.75	347.47	347.15	347.25	347.18	
	12	347.25	347.50	347.60	348.55	347.30	348.40	347.74	347.77	347.45	347.15	347.25	347.15	
	13	347.25	347.29	347.44	347.81	347.30	348.16	347.69	347.82	347.45	347.15	347.25	347.15	
	14	347.28	347.24	347.41	347.77	347.31	347.90	347.65	347.75	347.45	347.18	347.25	347.15	
	15	347.58	347.21	347.52	347.56	347.40	347.70	347.61	347.74	347.45	347.28	347.25	347.17	
	16	347.25	347.18	347.48	347.73	348.05	347.68	347.63	347.69	347.45	347.39	347.23	347.26	
	17	347.25	347.15	347.65	347.95	347.98	347.84	348.16	347.65	347.38	347.59	347.26	347.21	
	18	347.27	347.15	347.52	347.75	347.89	347.99	347.95	347.65	347.35	347.52	347.38	347.22	
	19	347.30	347.16	347.42	347.55	347.87	348.19	347.84	347.65	347.35	347.48	347.52	347.25	
	20	347.27	347.18	347.33	347.50	347.93	348.53	347.79	347.65	347.35	347.58	347.45	347.25	
	21	347.27	347.15	347.28	347.57	347.95	348.55	347.82	347.65	347.35	347.53	347.45	347.25	
	22	347.25	347.16	347.25	347.76	347.79	348.07	348.68	347.65	347.33	347.48	347.42	347.26	
	23	347.25	347.22	347.25	347.64	347.71	348.15	348.64	347.65	347.32	347.45	347.29	347.29	
	24	347.25	347.27	347.25	347.59	347.57	348.29	348.35	347.65	347.29	347.45	347.27	347.29	
	25	347.23	347.43	347.23	347.53	347.65	348.35	348.32	347.65	347.27	347.45	347.25	347.28	
	26	347.24	347.52	347.22	347.48	347.75	348.30	347.97	347.62	347.25	347.43	347.25	347.25	
	27	347.35	347.65	347.25	347.46	347.65	348.12	347.92	347.64	347.25	347.35	347.25	347.25	
	28	347.48	347.67	347.22	347.49	347.63	348.22	347.84	347.61	347.25	347.34	347.25	347.26	
	29	347.42	347.72	347.15	347.42	347.57	348.59	347.84	347.61	347.25	347.31		347.28	
	30	347.35	347.56	347.15	347.35	347.70	348.58	347.95	347.61	347.25	347.28		347.26	
	31		347.43		347.35	347.60		347.95		347.25	347.25		347.28	
Mean		347.29	347.39	347.40	347.56	347.56	348.01	347.99	347.77	347.41	347.32	347.32	347.23	
Max		347.58	347.87	347.80	348.55	348.05	348.59	348.68	348.32	347.61	347.59	347.67	347.29	348.68
Min		347.15	347.15	347.15	347.20	347.30	347.45	347.61	347.61	347.25	347.15	347.23	347.15	347.15
Annual Max Momentary Gage Height			348.81	m. (MSL.) ,		at 06.00 Hours , on Oct 23, 2021								
Zero Gage at Bottom Elevation			346.65	m. (MSL.) ,		River Bed	346.31	m. (MSL.)						
Left Bank Elevation			355.11	m. (MSL.) ,										
Right Bank Elevation			355.00	m. (MSL.) ,		Drainage Are	1,873	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.55	5.94	6.70	3.10	5.40	8.10	40.13	20.44	10.79	3.80	3.80	3.80		
2	2.55	5.94	5.40	3.80	5.40	7.30	37.10	35.84	10.28	3.80	3.80	3.52		
3	2.55	10.28	5.04	3.80	5.40	7.90	37.94	30.06	10.28	3.52	3.80	3.52		
4	2.55	4.68	4.50	3.66	5.40	12.24	40.13	28.58	10.06	3.24	3.80	3.24		
5	2.99	4.50	5.76	3.10	5.40	8.52	24.51	25.99	9.40	3.24	5.04	3.24		
6	5.58	4.36	7.50	3.24	6.50	7.70	20.44	19.38	9.40	2.99	6.50	3.24		
7	8.96	4.86	8.10	3.80	5.40	7.70	17.46	17.78	9.40	2.99	12.53	3.24		
8	6.70	18.74	8.10	4.08	5.40	24.88	15.88	16.50	9.40	2.88	7.10	2.99		
9	5.04	7.90	11.08	14.02	5.40	27.47	14.02	15.26	8.96	2.55	5.94	2.99		
10	4.22	14.33	15.57	20.07	5.22	25.25	12.24	15.88	8.10	2.55	4.36	2.99		
11	3.80	8.52	16.50	20.07	4.68	20.44	14.02	14.95	7.70	2.55	3.80	2.88		
12	3.80	8.30	10.50	46.18	4.50	39.20	14.64	15.57	7.30	2.55	3.80	2.55		
13	3.80	4.36	7.10	16.82	4.50	29.32	13.11	17.14	7.30	2.55	3.80	2.55		
14	4.22	3.66	6.50	15.57	4.68	19.70	11.95	14.95	7.30	2.88	3.80	2.55		
15	10.06	3.24	8.74	9.62	6.30	13.40	10.79	14.64	7.30	4.22	3.80	2.77		
16	3.80	2.88	7.90	14.33	25.25	12.82	11.37	13.11	7.30	6.12	3.52	3.94		
17	3.80	2.55	11.95	21.55	22.66	17.78	29.32	11.95	5.94	10.28	3.94	3.24		
18	4.08	2.55	8.74	14.95	19.38	23.03	21.55	11.95	5.40	8.74	5.94	3.38		
19	4.50	2.66	6.70	9.40	18.74	30.43	17.78	11.95	5.40	7.90	8.74	3.80		
20	4.08	2.88	5.04	8.30	20.81	45.25	16.19	11.95	5.40	10.06	7.30	3.80		
21	4.08	2.55	4.22	9.84	21.55	46.18	17.14	11.95	5.40	8.96	7.30	3.80		
22	3.80	2.66	3.80	15.26	16.19	25.99	52.30	11.95	5.04	7.90	6.70	3.94		
23	3.80	3.38	3.80	11.66	13.71	28.95	50.40	11.95	4.86	7.30	4.36	4.36		
24	3.80	4.08	3.80	10.28	9.84	34.58	37.10	11.95	4.36	7.30	4.08	4.36		
25	3.52	6.90	3.52	8.96	11.95	37.10	35.84	11.95	4.08	7.30	3.80	4.22		
26	3.66	8.74	3.38	7.90	14.95	35.00	22.29	11.08	3.80	6.90	3.80	3.80		
27	5.40	11.95	3.80	7.50	11.95	27.84	20.44	11.66	3.80	5.40	3.80	3.80		
28	7.90	12.53	3.38	8.10	11.37	31.64	17.78	10.79	3.80	5.22	3.80	3.94		
29	6.70	14.02	2.55	6.70	9.84	48.04	17.78	10.79	3.80	4.68		4.22		
30	5.40	9.62	2.55	5.40	13.40	47.57	21.55	10.79	3.80	4.22		3.94		
31		6.90		5.40	10.50		21.55		3.80	3.80		4.22		
Total	137.69	206.46	202.22	336.46	331.67	751.32	734.74	478.73	208.95	158.39	142.75	108.83	3798.21	CMSDAY
Mean	4.59	6.66	6.74	10.85	10.70	25.04	23.70	15.96	6.74	5.11	5.10	3.51	10.41	CMS
Max	10.06	18.74	16.50	46.18	25.25	48.04	52.30	35.84	10.79	10.28	12.53	4.36	52.30	CMS
Min	2.55	2.55	2.55	3.10	4.50	7.30	10.79	10.79	3.80	2.55	3.52	2.55	2.55	CMS
Runoff	11.90	17.84	17.47	29.07	28.66	64.91	63.48	41.36	18.05	13.68	12.33	9.40	328.17	MCM
Momentary Peak	CMS. at 348.81 m. (MSL.) at 06.00 Hours , on Oct 23, 2021													
Runoff Yield	5.56	Liters/Second/Square KM.				Momentary Peak Yield				31.25	Liters/Second/Square KM.			

WATER YEAR : 2021**PING RIVER BASIN****Nam Mae Rim at Ban Saluang Nok, Chiang Mai (P.93)**

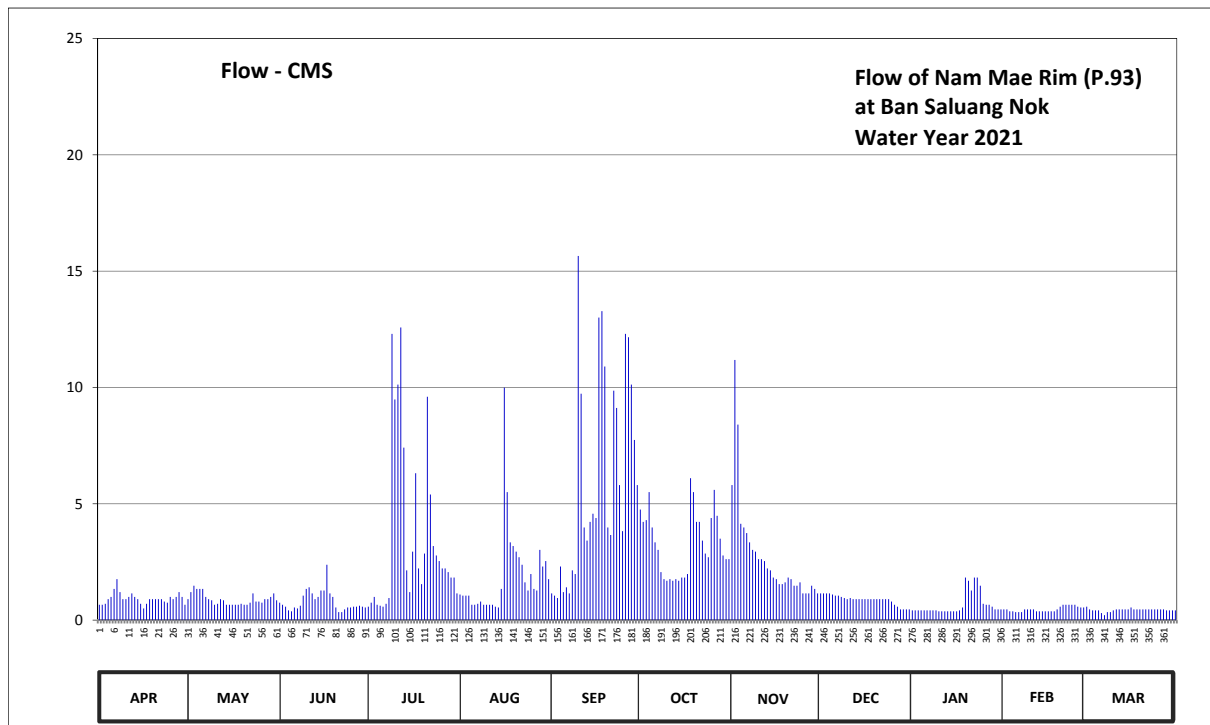
Lat 19 - 00 - 56 N Long 98 - 52 - 53 E

Location : on left bank at Ban Saluang Nok.

	Ban	Saluang Nok	Amphoe	Mae Rim	Changwat	Chiang Mai
Drainage Area	368	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+340.588 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+344.720 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	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 30 discharge measurements made in 2021.					

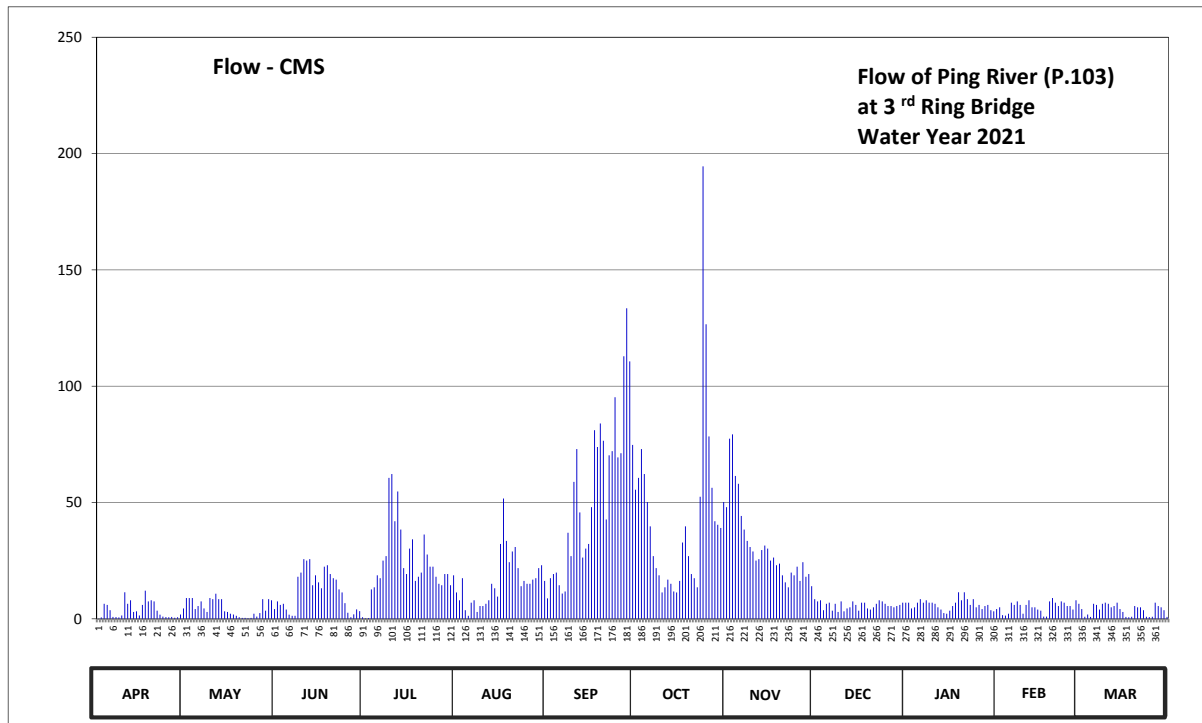
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	340.69	340.74	340.71	340.67	340.78	340.79	341.25	341.36	340.79	340.63	340.64	340.67	
2	340.69	340.80	340.69	340.71	340.77	340.77	341.19	341.82	340.79	340.63	340.64	340.64	
3	340.70	340.84	340.67	340.76	340.77	340.75	341.20	341.60	340.79	340.63	340.62	340.63	
4	340.74	340.82	340.63	340.69	340.77	340.95	341.33	341.18	340.79	340.63	340.62	340.63	
5	340.76	340.82	340.62	340.68	340.69	340.80	341.16	341.16	340.78	340.63	340.61	340.63	
6	340.82	340.82	340.66	340.67	340.69	340.83	341.08	341.13	340.77	340.63	340.61	340.60	
7	340.88	340.76	340.65	340.70	340.70	340.79	341.04	341.08	340.77	340.63	340.61	340.57	
8	340.80	340.74	340.68	340.75	340.72	340.93	340.92	341.04	340.76	340.63	340.64	340.61	
9	340.74	340.73	340.77	341.90	340.69	340.91	340.88	341.03	340.75	340.63	340.64	340.61	
10	340.74	340.69	340.82	341.69	340.69	342.13	340.87	340.99	340.74	340.62	340.64	340.63	
11	340.76	340.70	340.83	341.74	340.69	341.71	340.88	340.99	340.75	340.62	340.64	340.64	
12	340.79	340.74	340.79	341.92	340.69	341.16	340.87	340.98	340.74	340.62	340.62	340.64	
13	340.76	340.73	340.74	341.51	340.67	341.09	340.88	340.94	340.74	340.62	340.62	340.64	
14	340.74	340.69	340.76	340.93	340.66	341.19	340.87	340.93	340.74	340.62	340.62	340.64	
15	340.70	340.69	340.81	340.80	340.82	341.23	340.89	340.89	340.74	340.62	340.62	340.64	
16	340.65	340.69	340.81	341.03	341.73	341.21	340.89	340.88	340.74	340.62	340.62	340.66	
17	340.70	340.69	340.96	341.41	341.33	341.95	340.91	340.85	340.74	340.63	340.62	340.64	
18	340.74	340.69	340.79	340.94	341.08	341.97	341.39	340.85	340.74	340.66	340.62	340.64	
19	340.74	340.70	340.76	340.85	341.06	341.80	341.33	340.86	340.74	340.89	340.64	340.64	
20	340.74	340.69	340.66	341.02	341.03	341.16	341.19	340.89	340.74	340.87	340.67	340.64	
21	340.74	340.69	340.61	341.70	341.00	341.12	341.19	340.88	340.74	340.81	340.69	340.64	
22	340.74	340.71	340.61	341.32	340.96	341.72	341.09	340.84	340.74	340.89	340.69	340.64	
23	340.72	340.79	340.64	341.06	340.86	341.66	341.02	340.84	340.74	340.89	340.69	340.64	
24	340.71	340.72	340.66	341.01	340.81	341.36	341.00	340.86	340.74	340.84	340.69	340.64	
25	340.76	340.72	340.66	340.98	340.91	341.14	341.21	340.79	340.72	340.70	340.69	340.64	
26	340.74	340.71	340.67	340.94	340.82	341.90	341.34	340.79	340.69	340.69	340.67	340.64	
27	340.76	340.74	340.67	340.94	340.81	341.89	341.22	340.79	340.67	340.69	340.66	340.64	
28	340.80	340.74	340.68	340.92	341.04	341.74	341.10	340.84	340.64	340.67	340.66	340.63	
29	340.76	340.76	340.67	340.89	340.95	341.54	341.01	340.82	340.64	340.64		340.63	
30	340.69	340.79	340.66	340.89	340.98	341.36	340.99	340.79	340.64	340.64		340.63	
31		340.73		340.79	340.88		340.99		340.64	340.64		340.63	
Mean	340.74	340.74	340.71	341.06	340.87	341.32	341.07	340.99	340.73	340.68	340.64	340.63	
Max	340.88	340.84	340.96	341.92	341.73	342.13	341.39	341.82	340.79	340.89	340.69	340.67	342.13
Min	340.65	340.69	340.61	340.67	340.66	340.75	340.87	340.79	340.64	340.62	340.61	340.57	340.57
Annual Max Momentary Gage Height	342.24		m. (MSL.) ,			at 06.00 Hours ,	on Sep 10, 2021						
Zero Gage at Bottom Elevation	340.59		m. (MSL.) ,			River Bed	340.15	m. (MSL.)					
Left Bank Elevation		344.27		m. (MSL.) ,									
Right Bank Elevation		344.11		m. (MSL.) ,		Drainage Are	368	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

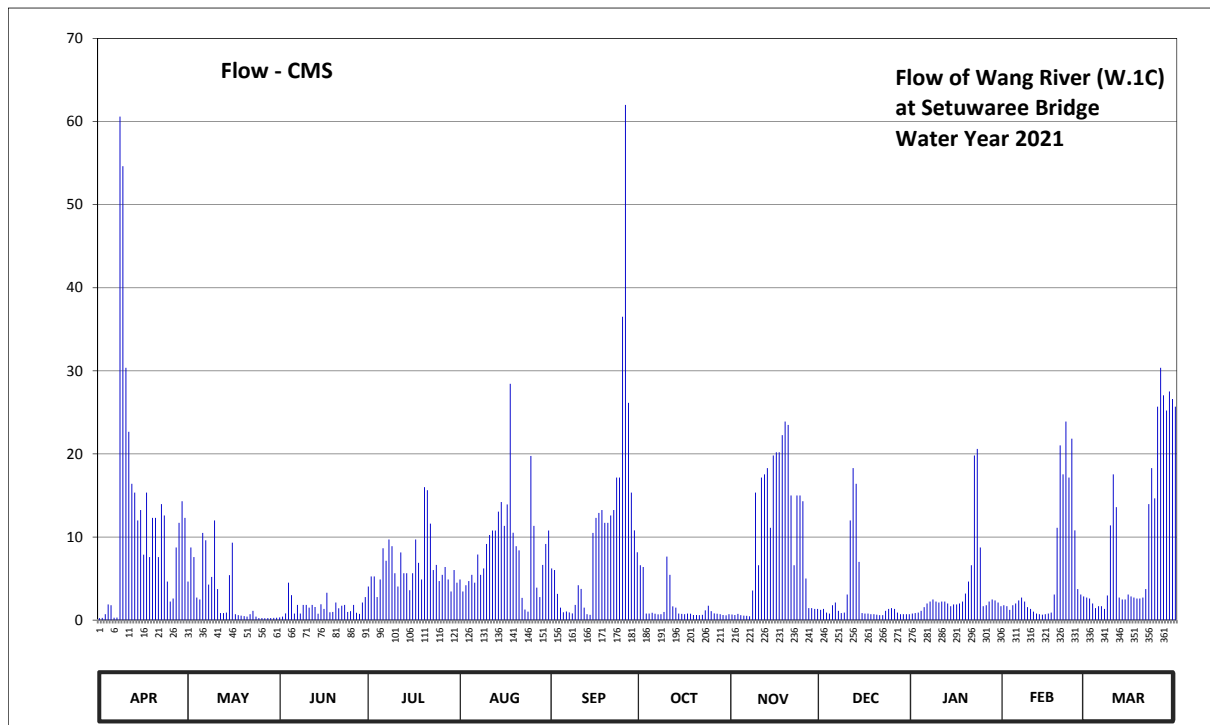
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.66	0.90	0.75	0.58	1.10	1.15	4.75	5.80	1.15	0.42	0.46	0.58		
2	0.66	1.20	0.66	0.75	1.05	1.05	4.22	11.18	1.15	0.42	0.46	0.46		
3	0.70	1.48	0.58	1.00	1.05	0.95	4.30	8.40	1.15	0.42	0.38	0.42		
4	0.90	1.34	0.42	0.66	1.05	2.30	5.50	4.14	1.15	0.42	0.38	0.42		
5	1.00	1.34	0.38	0.62	0.66	1.20	3.98	3.98	1.10	0.42	0.34	0.42		
6	1.34	1.34	0.54	0.58	0.66	1.41	3.34	3.74	1.05	0.42	0.34	0.30		
7	1.76	1.00	0.50	0.70	0.70	1.15	3.02	3.34	1.05	0.42	0.34	0.21		
8	1.20	0.90	0.62	0.95	0.80	2.14	2.06	3.02	1.00	0.42	0.46	0.34		
9	0.90	0.85	1.05	12.30	0.66	1.98	1.76	2.94	0.95	0.42	0.46	0.34		
10	0.90	0.66	1.34	9.48	0.66	15.65	1.69	2.62	0.90	0.38	0.46	0.42		
11	1.00	0.70	1.41	10.12	0.66	9.73	1.76	2.62	0.95	0.38	0.46	0.46		
12	1.15	0.90	1.15	12.58	0.66	3.98	1.69	2.54	0.90	0.38	0.38	0.46		
13	1.00	0.85	0.90	7.41	0.58	3.42	1.76	2.22	0.90	0.38	0.38	0.46		
14	0.90	0.66	1.00	2.14	0.54	4.22	1.69	2.14	0.90	0.38	0.38	0.46		
15	0.70	0.66	1.27	1.20	1.34	4.57	1.83	1.83	0.90	0.38	0.38	0.46		
16	0.50	0.66	1.27	2.94	9.99	4.39	1.83	1.76	0.90	0.38	0.38	0.54		
17	0.70	0.66	2.38	6.31	5.50	13.00	1.98	1.55	0.90	0.42	0.38	0.46		
18	0.90	0.66	1.15	2.22	3.34	13.28	6.10	1.55	0.90	0.54	0.38	0.46		
19	0.90	0.70	1.00	1.55	3.18	10.90	5.50	1.62	0.90	1.83	0.46	0.46		
20	0.90	0.66	0.54	2.86	2.94	3.98	4.22	1.83	0.90	1.69	0.58	0.46		
21	0.90	0.66	0.34	9.60	2.70	3.66	4.22	1.76	0.90	1.27	0.66	0.46		
22	0.90	0.75	0.34	5.40	2.38	9.86	3.42	1.48	0.90	1.83	0.66	0.46		
23	0.80	1.15	0.46	3.18	1.62	9.12	2.86	1.48	0.90	1.83	0.66	0.46		
24	0.75	0.80	0.54	2.78	1.27	5.80	2.70	1.62	0.90	1.48	0.66	0.46		
25	1.00	0.80	0.54	2.54	1.98	3.82	4.39	1.15	0.80	0.70	0.66	0.46		
26	0.90	0.75	0.58	2.22	1.34	12.30	5.60	1.15	0.66	0.66	0.58	0.46		
27	1.00	0.90	0.58	2.22	1.27	12.16	4.48	1.15	0.58	0.66	0.54	0.46		
28	1.20	0.90	0.62	2.06	3.02	10.12	3.50	1.48	0.46	0.58	0.54	0.42		
29	1.00	1.00	0.58	1.83	2.30	7.74	2.78	1.34	0.46	0.46		0.42		
30	0.66	1.15	0.54	1.83	2.54	5.80	2.62	1.15	0.46	0.46		0.42		
31		0.85		1.15	1.76		2.62		0.46	0.46		0.42		
Total	27.78	27.83	24.03	111.76	59.30	180.83	102.17	82.58	27.18	21.31	13.20	13.49	691.46	CMSDAY
Mean	0.93	0.90	0.80	3.61	1.91	6.03	3.30	2.75	0.88	0.69	0.47	0.44	1.89	CMS
Max	1.76	1.48	2.38	12.58	9.99	15.65	6.10	11.18	1.15	1.83	0.66	0.58	15.65	CMS
Min	0.50	0.66	0.34	0.58	0.54	0.95	1.69	1.15	0.46	0.38	0.34	0.21	0.21	CMS
Runoff	2.40	2.40	2.08	9.66	5.12	15.62	8.83	7.13	2.35	1.84	1.14	1.17	59.74	MCM
Momentary Peak	CMS: at 342.24 m. (MSL.) at 06.00 Hours , on Sep 10, 2021													
Runoff Yield	5.15					Momentary Peak Yield		47.17	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.12	9.00	7.50	0.26	11.35	8.80	55.50	48.00	8.50	7.00	4.25	6.50		
2	0.66	9.00	6.00	0.36	8.00	17.50	60.60	77.50	7.50	7.00	5.00	4.25		
3	6.50	9.00	6.50	12.70	17.50	19.30	73.00	79.30	8.00	4.50	1.60	0.92		
4	6.00	4.25	4.00	13.60	3.75	19.90	62.30	61.45	3.75	5.00	1.40	1.90		
5	3.75	5.50	1.80	18.70	1.30	14.50	50.25	58.05	6.50	7.00	2.25	0.88		
6	0.88	7.50	1.30	17.50	7.00	10.90	39.80	44.25	7.00	8.50	7.00	6.50		
7	0.80	4.50	1.30	25.05	8.00	11.80	27.00	38.40	3.50	7.00	6.00	6.00		
8	0.62	3.00	18.10	27.00	3.00	37.00	21.80	33.50	6.50	8.00	7.50	4.00		
9	1.50	9.00	19.90	60.60	5.50	27.00	18.70	30.90	3.00	7.00	6.00	6.50		
10	11.45	8.50	25.70	62.30	5.50	58.90	11.35	28.95	7.50	7.00	2.25	7.00		
11	6.50	10.80	25.05	42.00	6.50	73.00	13.60	25.05	3.25	6.50	6.00	6.50		
12	8.00	8.50	25.70	54.75	8.00	45.75	16.90	25.70	4.50	5.00	8.00	5.00		
13	3.00	8.50	14.50	38.40	15.10	26.35	15.10	29.60	5.00	4.00	5.00	5.50		
14	3.25	3.25	18.70	21.80	13.15	30.25	11.80	31.55	7.50	2.50	5.00	7.00		
15	1.50	3.00	15.70	19.30	9.60	32.20	11.35	30.25	6.00	2.25	4.00	4.25		
16	6.00	2.25	13.15	30.25	32.20	48.00	16.30	25.05	3.50	3.50	3.50	3.00		
17	12.10	1.90	22.45	34.20	51.75	81.10	32.85	26.35	7.00	5.50	0.98	0.86		
18	7.50	1.30	23.10	16.30	33.50	73.90	39.80	23.10	7.00	7.00	1.00	0.74		
19	8.00	0.68	19.30	18.10	24.40	84.00	27.00	23.75	4.50	11.45	7.50	0.90		
20	7.50	0.42	17.50	19.90	28.95	76.60	19.30	18.70	4.00	8.00	9.00	5.50		
21	3.50	0.42	16.90	36.30	30.90	42.75	17.50	15.70	5.00	11.45	7.00	5.00		
22	1.80	0.28	12.70	27.65	21.80	70.30	13.60	13.60	6.50	8.50	5.50	5.00		
23	0.96	0.46	11.35	22.45	14.05	72.10	52.50	19.90	8.00	6.00	7.50	3.75		
24	0.80	2.25	6.80	22.45	16.30	95.30	194.50	18.70	7.50	8.50	7.00	0.90		
25	0.72	1.00	2.61	18.10	15.10	69.40	126.65	22.45	6.50	5.00	5.50	0.76		
26	0.82	2.50	0.70	15.10	15.10	71.20	78.40	16.30	5.50	6.00	5.50	0.90		
27	0.50	8.50	1.92	14.50	16.90	112.90	56.35	24.40	5.50	4.25	4.00	7.00		
28	0.72	3.50	4.11	19.30	17.50	133.55	42.00	18.10	5.00	5.50	8.00	5.50		
29	1.90	8.50	3.30	19.30	21.80	110.70	40.50	19.30	5.50	6.00		5.00		
30	4.50	8.00	0.70	14.50	23.10	74.80	39.10	14.05	6.00	3.75		3.75		
31		4.25		18.70	16.30		50.25		7.00	3.25		0.82		
Total	111.85	149.51	348.34	761.42	502.90	1649.75	1335.65	941.90	182.00	191.90	143.23	122.08	6440.53	CMSDAY
Mean	3.73	4.82	11.61	24.56	16.22	54.99	43.09	31.40	5.87	6.19	5.12	3.94	17.65	CMS
Max	12.10	10.80	25.70	62.30	51.75	133.55	194.50	79.30	8.50	11.45	9.00	7.00	194.50	CMS
Min	0.12	0.28	0.70	0.26	1.30	8.80	11.35	13.60	3.00	2.25	0.98	0.74	0.12	CMS
Runoff	9.66	12.92	30.10	65.79	43.45	142.54	115.40	81.38	15.72	16.58	12.38	10.55	556.46	MCM
Momentary Peak	214.00 CMS. at 303.96 m. (MSL.) at 10.00 Hours , on Oct 24, 2021													
Runoff Yield	2.93	Liters/Second/Square KM.			Momentary Peak Yield			35.58	Liters/Second/Square KM.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022															
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	228.57	228.98	228.72	229.57	229.62	229.69	229.08	229.07	228.73	228.68	228.78	228.86		
	2	228.58	229.16	228.83	229.64	229.53	229.68	229.07	229.02	228.74	228.69	228.77	228.85		
	3	228.67	229.12	229.20	229.64	229.58	229.51	229.19	229.14	228.70	228.70	228.73	228.80		
	4	228.79	228.86	229.60	229.48	229.61	229.35	229.19	229.00	228.68	228.72	228.78	228.75		
	5	228.78	228.84	229.50	229.62	229.65	229.25	229.23	228.94	228.78	228.76	228.80	228.77		
	6	228.59	229.22	229.19	229.79	229.60	229.28	229.16	228.92	228.81	228.80	228.83	228.77		
	7	228.60	229.19	229.39	229.73	229.76	229.24	229.10	228.87	228.72	228.82	228.86	228.74		
	8	230.25	228.96	229.18	229.83	229.65	229.20	229.12	228.92	228.69	228.84	228.82	228.88		
	9	230.16	229.01	229.39	229.80	229.69	229.39	229.26	229.37	228.70	228.82	228.76	229.25		
	10	229.73	229.27	229.39	229.66	229.81	229.58	229.75	229.08	228.89	228.81	228.74	229.43		
	11	229.56	228.93	229.35	229.57	229.85	229.55	229.65	229.42	229.27	228.82	228.71	229.32		
	12	229.40	228.69	229.39	229.77	229.87	229.35	229.37	229.43	229.45	228.82	228.68	228.86		
	13	229.37	228.69	229.36	229.66	229.87	229.12	229.35	229.45	229.40	228.80	228.67	228.84		
	14	229.27	228.70	229.17	229.66	229.95	229.04	229.19	229.24	229.10	228.77	228.66	228.84		
	15	229.31	229.02	229.40	229.54	229.99	229.22	229.14	229.49	228.69	228.79	228.67	228.89		
	16	229.13	229.18	229.33	229.66	229.89	229.28	229.12	229.50	228.68	228.79	228.68	228.87		
	17	229.37	228.67	229.52	229.83	229.98	229.30	229.19	229.50	228.68	228.80	228.70	228.86		
	18	229.12	228.65	229.25	229.72	230.34	229.31	229.17	229.55	228.67	228.82	228.89	228.85		
	19	229.28	228.64	229.26	229.62	229.86	229.26	229.02	229.59	228.67	228.90	229.24	228.85		
	20	229.28	228.63	229.42	230.04	229.80	229.26	229.01	229.58	228.66	228.98	229.52	228.86		
	21	229.12	228.62	229.34	230.03	229.78	229.29	228.99	229.36	228.65	229.08	229.43	228.93		
	22	229.33	228.67	229.38	229.90	229.47	229.31	229.03	229.08	228.65	229.49	229.59	229.33		
	23	229.29	228.72	229.39	229.68	229.32	229.42	229.31	229.36	228.72	229.51	229.42	229.45		
	24	228.98	228.62	229.26	229.71	229.27	229.42	229.38	229.36	228.74	229.16	229.54	229.35		
	25	228.82	228.64	229.29	229.61	230.14	229.85	229.29	229.34	228.75	228.77	229.23	229.63		
	26	228.85	228.64	229.39	229.65	229.89	230.27	229.20	229.00	228.74	228.78	228.93	229.73		
	27	229.16	228.63	229.23	229.70	229.56	229.64	229.16	228.75	228.70	228.82	228.89	229.66		
	28	229.26	228.64	229.14	229.62	229.48	229.37	229.12	228.75	228.67	228.84	228.87	229.62		
	29	229.34	228.64	229.42	229.53	229.71	229.23	229.02	228.74	228.67	228.83		229.67		
	30	229.28	228.67	229.48	229.68	229.81	229.14	228.98	228.74	228.67	228.81		229.65		
	31		228.68		229.60	229.87		229.11		228.67	228.77		229.63		
Mean		229.17	228.83	229.31	229.69	229.75	229.39	229.19	229.19	228.79	228.86	228.94	229.12		
Max		230.25	229.27	229.60	230.04	230.34	230.27	229.75	229.59	229.45	229.51	229.59	229.73	230.34	
Min		228.57	228.62	228.72	229.48	229.27	229.04	228.98	228.74	228.65	228.68	228.66	228.74	228.57	
Annual Max Momentary Gage Height			230.55		m. (MSL.) ,		at 23.00 Hours , on Apr 8, 2021								
Zero Gage at Bottom Elevation			229.30		m. (MSL.) ,		River Bed	227.32		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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.24	4.64	0.32	4.05	4.88	6.21	6.60	0.67	1.23	0.78	1.78	2.72	
2	0.26	8.74	0.43	5.26	3.45	6.02	6.40	0.62	1.34	0.84	1.67	2.60	
3	0.72	7.58	0.80	5.26	4.20	3.15	0.79	0.74	0.90	0.90	1.23	2.00	
4	1.89	2.72	4.50	2.78	4.69	1.50	0.79	0.60	0.78	1.12	1.78	1.45	
5	1.78	2.48	3.00	4.88	5.45	0.95	0.89	0.54	1.78	1.56	2.00	1.67	
6	0.28	10.50	0.79	8.65	4.50	1.04	0.76	0.52	2.12	2.00	2.36	1.67	
7	0.30	9.61	1.82	7.15	7.90	0.92	0.70	0.47	1.12	2.24	2.72	1.34	
8	60.60	4.28	0.78	9.71	5.45	0.80	0.72	3.56	0.84	2.48	2.24	2.96	
9	54.62	5.20	1.82	8.90	6.21	1.82	0.98	15.35	0.90	2.24	1.56	11.40	
10	30.37	12.00	1.82	5.64	9.17	4.20	7.65	6.60	3.08	2.12	1.34	17.54	
11	22.66	3.74	1.50	4.05	10.25	3.75	5.45	17.16	12.00	2.24	1.01	13.60	
12	16.40	0.84	1.82	8.15	10.79	1.50	1.66	17.54	18.30	2.24	0.78	2.72	
13	15.35	0.84	1.58	5.64	10.79	0.72	1.50	18.30	16.40	2.00	0.72	2.48	
14	12.00	0.90	0.77	5.64	13.05	0.64	0.79	11.10	7.00	1.67	0.66	2.48	
15	13.25	5.40	1.90	3.60	14.21	10.50	0.74	19.82	0.84	1.89	0.72	3.08	
16	7.87	9.32	1.34	5.64	11.33	12.30	0.72	20.20	0.78	1.89	0.78	2.84	
17	15.35	0.72	3.30	9.71	13.92	12.90	0.79	20.20	0.78	2.00	0.90	2.72	
18	7.58	0.60	0.95	6.90	28.44	13.25	0.77	22.25	0.72	2.24	3.08	2.60	
19	12.30	0.54	0.98	4.88	10.52	11.70	0.62	23.89	0.72	3.20	11.10	2.60	
20	12.30	0.48	2.12	16.00	8.90	11.70	0.61	23.48	0.66	4.64	21.02	2.72	
21	7.58	0.42	1.42	15.63	8.40	12.60	0.59	15.00	0.60	6.60	17.54	3.74	
22	13.95	0.72	1.74	11.60	2.67	13.25	0.63	6.60	0.60	19.82	23.89	13.95	
23	12.60	1.12	1.82	6.02	1.26	17.16	1.18	15.00	1.12	20.61	17.16	18.30	
24	4.64	0.42	0.98	6.65	1.01	17.16	1.74	15.00	1.34	8.74	21.84	14.65	
25	2.24	0.24	1.07	4.69	19.75	36.50	1.07	14.30	1.45	1.67	10.80	25.68	
26	2.60	0.24	1.82	5.45	11.33	62.00	0.80	5.00	1.34	1.78	3.74	30.37	
27	8.74	0.23	0.89	6.40	3.90	26.14	0.76	1.45	0.90	2.24	3.08	27.06	
28	11.70	0.24	0.74	4.88	2.78	15.35	0.72	1.45	0.72	2.48	2.84	25.22	
29	14.30	0.24	2.12	3.45	6.65	10.80	0.62	1.34	0.72	2.36		27.52	
30	12.30	0.27	2.78	6.02	9.17	8.16	0.58	1.34	0.72	2.12		26.60	
31		0.28		4.50	10.79		0.71		0.72	1.67		25.68	
Total	376.77	95.55	47.72	207.78	265.81	324.69	49.33	300.09	82.52	110.38	160.34	321.96	2342.94 CMSDAY
Mean	12.56	3.08	1.59	6.70	8.57	10.82	1.59	10.00	2.66	3.56	5.73	10.39	6.42 CMS
Max	60.60	12.00	4.50	16.00	28.44	62.00	7.65	23.89	18.30	20.61	23.89	30.37	62.00 CMS
Min	0.24	0.23	0.32	2.78	1.01	0.64	0.58	0.47	0.60	0.78	0.66	1.34	0.23 CMS
Runoff	32.55	8.26	4.12	17.95	22.97	28.05	4.26	25.93	7.13	9.54	13.85	27.82	202.43 MCM
Momentary Peak	82.43	CMS. at 230.55 m. (MSL.) at 23.00 Hours , on Apr 8, 2021											
Runoff Yield	1.87	Liters/Second/Square KM.		Momentary Peak Yield		24.00	Liters/Second/Square KM.						

WATER YEAR : 2021**WANG RIVER BASIN****Wang River at Ban Don Chai , Lampang (W.3A)**

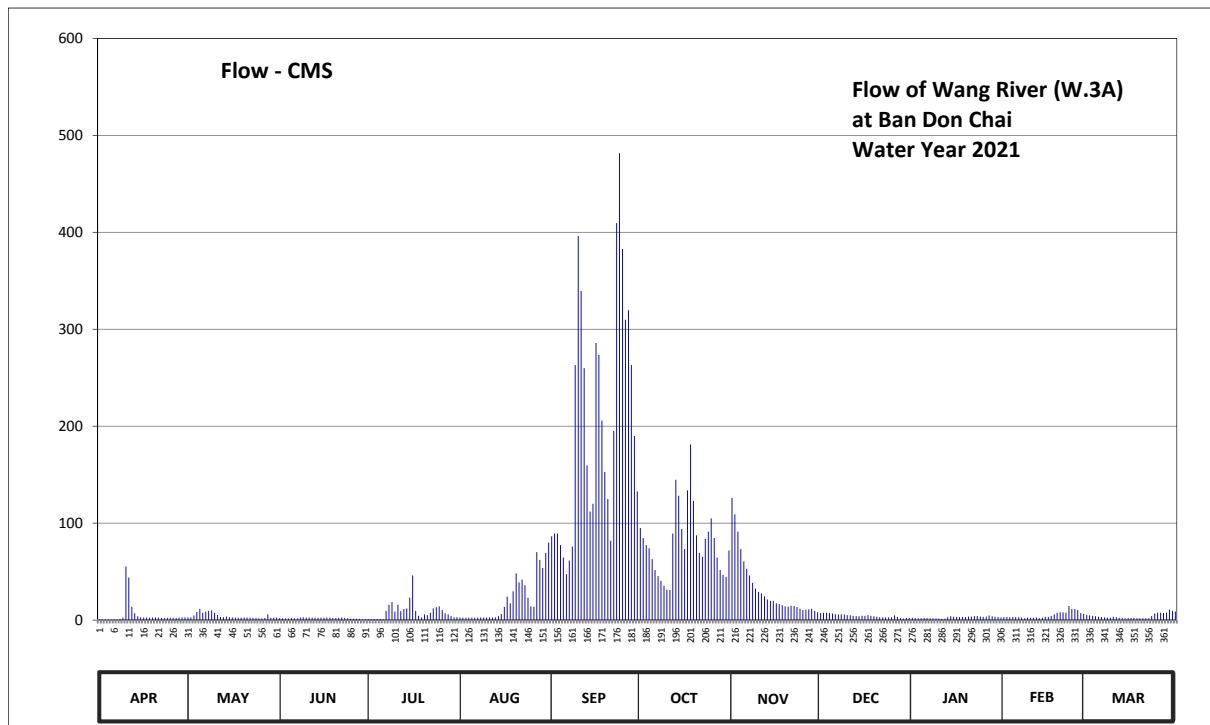
Lat 17 - 38 - 29 N Long 99 - 13 - 55 E

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

	Ban Don Chai	Amphoe Thoen	Changwat Lampang
Drainage Area	8,929 sq.km.		
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 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	160.17	160.55	160.44	160.23	160.53	161.81	161.90	162.21	160.47	160.22	160.27	160.40	
2	160.14	160.55	160.40	160.22	160.49	161.84	161.79	162.04	160.48	160.21	160.27	160.37	
3	160.12	160.66	160.36	160.22	160.52	161.84	161.71	161.86	160.48	160.20	160.26	160.34	
4	160.10	160.76	160.34	160.22	160.53	161.71	161.67	161.66	160.47	160.20	160.27	160.31	
5	160.10	160.83	160.38	160.22	160.52	161.55	161.53	161.50	160.45	160.21	160.27	160.29	
6	160.10	160.74	160.37	160.20	160.49	161.32	161.38	161.40	160.42	160.21	160.26	160.27	
7	160.10	160.77	160.36	160.79	160.53	161.51	161.29	161.30	160.41	160.20	160.24	160.25	
8	160.19	160.79	160.52	160.91	160.54	161.69	161.22	161.19	160.42	160.19	160.20	160.24	
9	160.48	160.80	160.59	160.95	160.53	163.28	161.14	161.09	160.41	160.18	160.23	160.23	
10	161.43	160.74	160.53	160.77	160.54	164.08	161.07	161.02	160.38	160.16	160.23	160.29	
11	161.27	160.68	160.53	160.91	160.55	163.76	161.06	160.99	160.37	160.14	160.23	160.26	
12	160.87	160.61	160.52	160.78	160.54	163.26	161.84	160.93	160.34	160.15	160.24	160.22	
13	160.73	160.60	160.49	160.83	160.57	162.51	162.38	160.86	160.32	160.26	160.19	160.21	
14	160.63	160.62	160.50	160.84	160.64	162.07	162.23	160.83	160.31	160.31	160.23	160.20	
15	160.56	160.59	160.48	161.01	160.71	162.15	161.89	160.83	160.34	160.29	160.28	160.21	
16	160.52	160.56	160.46	161.30	160.87	163.43	161.66	160.77	160.34	160.28	160.28	160.21	
17	160.54	160.53	160.54	160.79	161.02	163.35	162.28	160.75	160.38	160.27	160.33	160.21	
18	160.53	160.50	160.53	160.65	160.93	162.88	162.69	160.72	160.34	160.28	160.42	160.19	
19	160.54	160.48	160.47	160.56	161.07	162.45	162.18	160.69	160.31	160.27	160.48	160.20	
20	160.55	160.54	160.46	160.70	161.33	162.20	161.82	160.68	160.29	160.30	160.50	160.19	
21	160.52	160.51	160.47	160.67	161.20	161.76	161.61	160.71	160.26	160.30	160.50	160.20	
22	160.46	160.48	160.51	160.74	161.24	162.80	161.56	160.70	160.25	160.32	160.48	160.20	
23	160.44	160.46	160.45	160.84	161.15	164.15	161.78	160.67	160.25	160.32	160.70	160.32	
24	160.47	160.44	160.39	160.86	161.01	164.51	161.86	160.62	160.25	160.30	160.61	160.45	
25	160.49	160.41	160.31	160.88	160.88	164.01	162.00	160.58	160.26	160.28	160.61	160.48	
26	160.47	160.37	160.29	160.81	160.87	163.58	161.79	160.59	160.36	160.30	160.58	160.48	
27	160.47	160.43	160.27	160.73	161.62	163.64	161.55	160.60	160.28	160.36	160.47	160.47	
28	160.52	160.70	160.26	160.70	161.52	163.28	161.38	160.62	160.20	160.31	160.44	160.49	
29	160.55	160.48	160.24	160.64	161.41	162.76	161.31	160.55	160.16	160.29		160.59	
30	160.57	160.50	160.22	160.60	161.61	162.27	161.28	160.50	160.21	160.28		160.55	
31		160.52		160.59	161.74		161.64		160.22	160.24		160.53	
Mean	160.49	160.59	160.42	160.68	160.89	162.72	161.69	160.98	160.34	160.25	160.36	160.32	
Max	161.43	160.83	160.59	161.30	161.74	164.51	162.69	162.21	160.48	160.36	160.70	160.59	164.51
Min	160.10	160.37	160.22	160.20	160.49	161.32	161.06	160.50	160.16	160.14	160.19	160.19	160.10
Annual Max Momentary Gage Height	164.60		m. (MSL.) ,			at 06.00 Hours , on Sep 24, 2021							
Zero Gage at Bottom Elevation		161.00	m. (MSL.) ,			River Bed	159.21	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.85	2.75	2.20	1.15	2.65	86.45	95.00	126.10	7.25	2.34	3.19	5.50		
2	0.70	2.75	2.00	1.10	2.45	89.30	84.60	109.00	7.50	2.17	3.19	4.96		
3	0.60	4.74	1.80	1.10	2.60	89.30	77.40	91.20	7.50	2.00	3.02	4.42		
4	0.50	8.36	1.70	1.10	2.65	77.40	74.10	73.30	7.25	2.00	3.19	3.88		
5	0.50	11.56	1.90	1.10	2.60	64.50	62.90	60.50	6.75	2.17	3.19	3.53		
6	0.50	7.54	1.85	1.00	2.45	47.40	51.60	53.00	6.00	2.17	3.02	3.19		
7	0.50	8.77	1.80	9.59	2.65	61.30	45.30	46.00	5.75	2.00	2.68	2.85		
8	0.95	9.59	2.60	15.88	2.70	75.70	40.40	38.40	6.00	1.89	2.00	2.68		
9	2.40	10.00	2.95	18.60	2.65	263.00	35.40	32.50	5.75	1.78	2.51	2.51		
10	55.25	7.54	2.65	8.77	2.70	396.20	31.50	29.00	5.14	1.56	2.51	3.53		
11	43.90	5.32	2.65	15.88	2.75	339.40	31.00	27.50	4.96	1.34	2.51	3.02		
12	13.64	3.29	2.60	9.18	2.70	260.00	89.30	24.50	4.42	1.45	2.68	2.34		
13	7.13	3.00	2.45	11.56	2.85	159.65	144.80	21.20	4.06	3.02	1.89	2.17		
14	3.87	3.58	2.50	12.08	4.16	112.00	128.30	19.85	3.88	3.88	2.51	2.00		
15	2.80	2.95	2.40	23.10	6.31	120.00	94.05	19.85	4.42	3.53	3.36	2.17		
16	2.60	2.80	2.30	46.00	13.64	285.80	73.30	17.30	4.42	3.36	3.36	2.17		
17	2.70	2.65	2.70	9.59	24.20	273.50	133.80	16.50	5.14	3.19	4.24	2.17		
18	2.65	2.50	2.65	4.45	17.24	205.80	181.25	15.30	4.42	3.36	6.00	1.89		
19	2.70	2.40	2.35	2.80	29.70	152.75	123.00	14.15	3.88	3.19	7.50	2.00		
20	2.75	2.70	2.30	5.90	48.10	125.00	87.40	13.80	3.53	3.70	8.00	1.89		
21	2.60	2.55	2.35	5.03	39.00	81.90	69.30	14.90	3.02	3.70	8.00	2.00		
22	2.30	2.40	2.55	7.54	41.80	195.00	65.30	14.50	2.85	4.06	7.50	2.00		
23	2.20	2.30	2.25	12.08	36.00	409.50	83.70	13.45	2.85	4.06	14.50	4.06		
24	2.35	2.20	1.95	13.12	23.10	481.55	91.20	11.70	2.85	3.70	11.35	6.75		
25	2.45	2.05	1.55	14.16	14.16	382.90	105.00	10.40	3.02	3.36	11.35	7.50		
26	2.35	1.85	1.45	10.52	13.64	309.80	84.60	10.70	4.78	3.70	10.40	7.50		
27	2.35	2.15	1.35	7.13	70.10	319.60	64.50	11.00	3.36	4.78	7.25	7.25		
28	2.60	5.90	1.30	5.90	62.10	263.00	51.60	11.70	2.00	3.88	6.50	7.75		
29	2.75	2.40	1.20	4.16	53.75	190.00	46.70	9.50	1.56	3.53		10.70		
30	2.85	2.50	1.10	3.00	69.30	132.70	44.60	8.00	2.17	3.36		9.50		
31		2.60		2.95	80.10		71.70		2.34	2.68		8.90		
Total	172.29	133.69	63.40	285.52	680.80	6050.40	2462.60	964.80	138.82	90.91	147.40	132.78	11323.41	CMSDAY
Mean	5.74	4.31	2.11	9.21	21.96	201.68	79.44	32.16	4.48	2.93	5.26	4.28	31.02	CMS
Max	55.25	11.56	2.95	46.00	80.10	481.55	181.25	126.10	7.50	4.78	14.50	10.70	481.55	CMS
Min	0.50	1.85	1.10	1.00	2.45	47.40	31.00	8.00	1.56	1.34	1.89	1.89	0.50	CMS
Runoff	14.89	11.55	5.48	24.67	58.82	522.75	212.77	83.36	11.99	7.85	12.74	11.47	978.34	MCM
Momentary Peak	500.00 CMS. at 164.60 m. (MSL.) at 06.00 Hours , on Sep 24, 2021													
Runoff Yield	3.47	Liters/Second/Square KM.			Momentary Peak Yield			56.00	Liters/Second/Square KM.					

WATER YEAR : 2021**WANG RIVER BASIN****Wang River at Ban Wang Man , Tak (W.4A)**

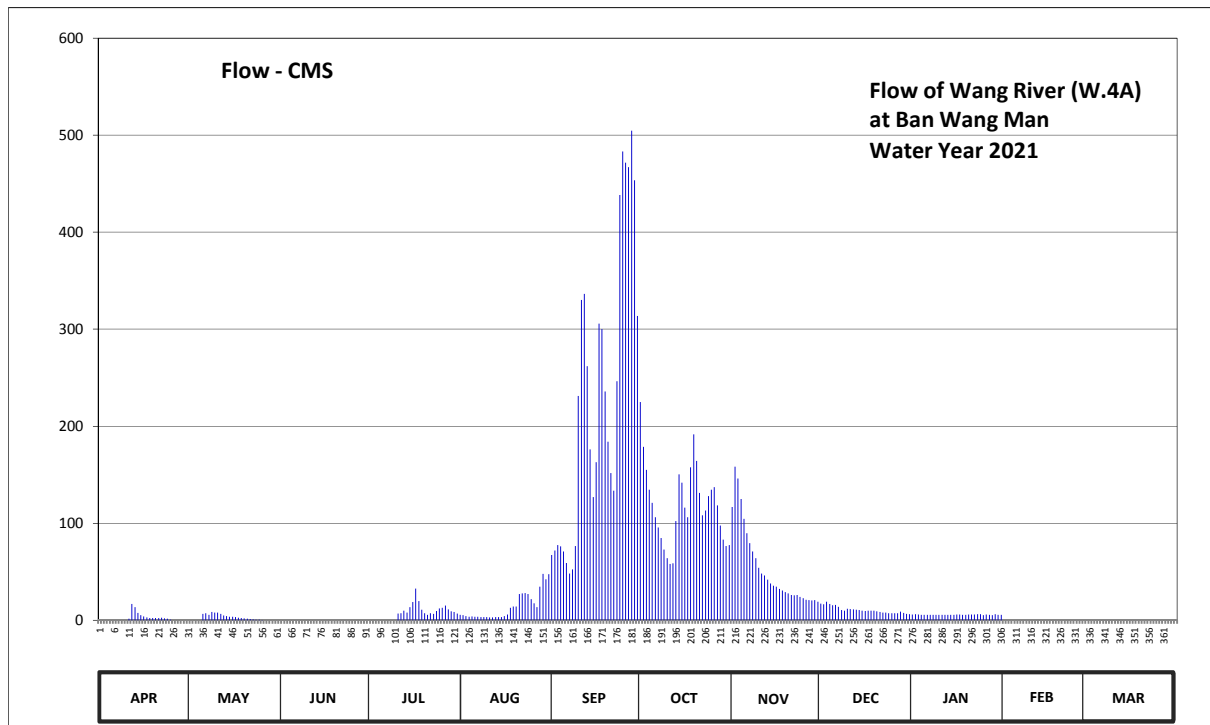
Lat 17 - 12 - 18 N Long 99 - 05 - 53 E

Location : on left bank about 200 meters upstream from the bridge on highway.

	Ban	Wang Man	Amphoe	Sam Ngao	Changwat	Tak
Drainage Area	10,311	sq.km.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+130.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	In front of Wat Wang Man				Elevation	+143.191 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1968 to date					
Rating Operation						
Period of Rating	1971 to date					
Rated by 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 18 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	130.09	130.16	130.11	129.92	130.41	132.12	134.69	133.07	130.86	130.42	130.38	130.57	
2	130.12	130.17	130.09	129.93	130.38	132.22	134.06	133.75	130.84	130.44	130.41	130.57	
3	130.14	130.17	130.07	129.98	130.32	132.33	133.70	133.56	130.92	130.43	130.45	130.53	
4	130.11	130.14	130.03	129.99	130.27	132.30	133.37	133.21	130.85	130.41	130.45	130.50	
5	130.07	130.18	129.98	129.98	130.29	132.20	133.14	132.85	130.81	130.41	130.40	130.48	
6	130.07	130.45	129.99	129.98	130.27	131.94	132.88	132.57	130.82	130.41	130.43	130.46	
7	130.13	130.50	130.00	129.97	130.26	131.69	132.68	132.37	130.76	130.40	130.43	130.41	
8	130.11	130.40	130.00	130.00	130.23	131.79	132.47	132.20	130.64	130.40	130.42	130.41	
9	130.10	130.55	130.00	130.01	130.25	132.31	132.24	132.05	130.61	130.40	130.41	130.63	
10	130.08	130.52	130.00	129.95	130.24	134.77	132.05	131.83	130.69	130.40	130.42	130.84	
11	130.11	130.53	130.00	130.47	130.22	135.80	131.92	131.69	130.68	130.40	130.41	130.84	
12	130.85	130.45	129.98	130.50	130.22	135.85	131.93	131.64	130.66	130.40	130.41	130.85	
13	130.75	130.37	130.03	130.61	130.24	135.15	132.81	131.53	130.65	130.40	130.41	130.86	
14	130.51	130.31	130.05	130.52	130.23	134.02	133.63	131.43	130.64	130.40	130.42	130.85	
15	130.38	130.27	130.05	130.75	130.25	133.24	133.49	131.37	130.61	130.40	130.41	130.84	
16	130.30	130.26	130.05	130.91	130.32	133.82	133.06	131.34	130.60	130.42	130.41	130.83	
17	130.22	130.24	130.06	131.29	130.43	135.59	132.88	131.28	130.61	130.42	130.41	130.84	
18	130.18	130.20	130.04	130.94	130.73	135.54	133.74	131.23	130.61	130.41	130.41	130.85	
19	130.18	130.17	130.01	130.65	130.77	134.83	134.25	131.19	130.62	130.40	130.40	130.84	
20	130.18	130.14	129.98	130.50	130.77	134.14	133.84	131.15	130.59	130.42	130.41	130.85	
21	130.16	130.11	129.99	130.41	131.14	133.65	133.31	131.11	130.56	130.42	130.43	130.83	
22	130.19	130.08	129.97	130.50	131.15	133.35	132.92	131.10	130.53	130.42	130.46	130.81	
23	130.15	130.07	129.98	130.46	131.16	134.96	133.01	131.11	130.52	130.44	130.45	130.82	
24	130.12	130.05	129.99	130.60	131.14	136.51	133.26	131.06	130.50	130.44	130.47	130.82	
25	130.03	130.03	129.98	130.70	130.99	136.72	133.37	131.02	130.49	130.39	130.63	130.82	
26	129.99	130.02	129.87	130.73	130.87	136.67	133.41	130.97	130.49	130.43	130.59	130.80	
27	130.04	130.00	129.86	130.80	130.75	136.65	133.10	130.96	130.49	130.41	130.58	130.80	
28	130.06	129.98	129.85	130.67	131.34	136.81	132.72	130.95	130.57	130.39	130.55	130.79	
29	130.08	129.97	129.81	130.59	131.68	136.59	132.44	130.96	130.51	130.44		130.78	
30	130.12	130.14	129.81	130.55	131.54	135.66	132.31	130.92	130.46	130.41		130.78	
31		130.17		130.47	131.67		132.33		130.44	130.40		130.84	
Mean	130.19	130.22	129.99	130.43	130.66	134.31	133.06	131.72	130.63	130.41	130.44	130.73	
Max	130.85	130.55	130.11	131.29	131.68	136.81	134.69	133.75	130.92	130.44	130.63	130.86	136.81
Min	129.99	129.97	129.81	129.92	130.22	131.69	131.92	130.92	130.44	130.39	130.38	130.41	129.81
Annual Max Momentary Gage Height	136.88		m. (MSL.) ,			at 12.00 Hours , on Sep 28, 2021							
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 Are	10,311	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	5.59	67.18	224.88	116.60	17.07	5.78	0.00	0.00	
2	0.00	0.00	0.00	0.00	5.12	71.90	178.62	158.15	16.38	6.16	0.00	0.00	
3	0.00	0.00	0.00	0.00	4.28	77.40	154.90	146.00	19.14	5.97	0.00	0.00	
4	0.00	0.00	0.00	0.00	3.58	75.90	134.60	125.00	16.73	5.59	0.00	0.00	
5	0.00	0.00	0.00	0.00	3.86	70.90	120.80	104.38	15.35	5.59	0.00	0.00	
6	0.00	6.35	0.00	0.00	3.58	58.93	105.98	89.66	15.69	5.59	0.00	0.00	
7	0.00	7.30	0.00	0.00	3.44	48.14	95.40	79.40	13.80	5.40	0.00	0.00	
8	0.00	5.40	0.00	0.00	3.02	52.29	84.51	70.90	10.44	5.40	0.00	0.00	
9	0.00	8.35	0.00	0.00	3.30	76.40	72.90	63.93	9.66	5.40	0.00	0.00	
10	0.00	7.72	0.00	0.00	3.16	231.08	63.93	54.04	11.74	5.40	0.00	0.00	
11	1.43	7.93	0.00	6.73	2.88	330.00	58.04	48.14	11.48	5.40	0.00	0.00	
12	16.73	6.35	0.00	7.30	2.88	336.38	58.49	46.06	10.96	5.40	0.00	0.00	
13	13.50	4.98	0.00	9.66	3.16	261.75	102.24	41.71	10.70	5.40	0.00	0.00	
14	7.51	4.14	0.00	7.72	3.02	175.94	150.35	37.86	10.44	5.40	0.00	0.00	
15	5.12	3.58	0.00	13.50	3.30	126.80	141.80	35.59	9.66	5.40	0.00	0.00	
16	4.00	3.44	0.00	18.80	4.28	162.72	116.00	34.48	9.40	5.78	0.00	0.00	
17	2.88	3.16	0.00	32.63	5.97	305.50	105.98	32.26	9.66	5.78	0.00	0.00	
18	2.34	2.60	0.00	19.83	12.90	300.00	157.50	30.41	9.66	5.59	0.00	0.00	
19	2.34	2.21	0.00	10.70	14.10	235.83	191.60	28.93	9.92	5.40	0.00	0.00	
20	2.34	1.82	0.00	7.30	14.10	183.98	164.04	27.45	9.19	5.78	0.00	0.00	
21	2.08	1.43	0.00	5.59	27.08	151.65	131.00	25.97	8.56	5.78	0.00	0.00	
22	2.47	1.04	0.00	7.30	27.45	133.40	108.12	25.60	7.93	5.78	0.00	0.00	
23	1.95	0.91	0.00	6.54	27.82	246.36	113.00	25.97	7.72	6.16	0.00	0.00	
24	1.56	0.65	0.00	9.40	27.08	438.03	128.00	24.12	7.30	6.16	0.00	0.00	
25	0.39	0.39	0.00	12.00	21.56	483.00	134.60	22.64	7.11	5.26	0.00	0.00	
26	0.00	0.26	0.00	12.90	17.42	471.50	137.00	20.87	7.11	5.97	0.00	0.00	
27	0.00	0.00	0.00	15.00	13.50	466.90	118.40	20.52	7.11	5.59	0.00	0.00	
28	0.00	0.00	0.00	11.22	34.48	504.39	97.50	20.18	8.77	5.26	0.00	0.00	
29	0.00	0.00	0.00	9.19	47.72	453.47	82.96	20.52	7.51	6.16	0.00	0.00	
30	0.00	0.00	0.00	8.35	42.09	313.62	76.40	19.14	6.54	5.59	0.00	0.00	
31		0.00		6.73	47.31		77.40		6.16	5.40		0.00	
Total	66.64	80.01	0.00	238.39	439.03	6911.34	3686.94	1596.48	328.89	174.72	0.00	0.00	13522.44 CMSDAY
Mean	2.22	2.58	0.00	7.69	14.16	230.38	118.93	53.22	10.61	5.64	0.00	0.00	37.05 CMS
Max	16.73	8.35	0.00	32.63	47.72	504.39	224.88	158.15	19.14	6.16	0.00	0.00	504.39 CMS
Min	0.00	0.00	0.00	0.00	2.88	48.14	58.04	19.14	6.16	5.26	0.00	0.00	0.00 CMS
Runoff	5.76	6.91	0.00	20.60	37.93	597.14	318.55	137.94	28.42	15.10	0.00	0.00	1168.34 MCM
Momentary Peak CMS. at 136.88 m. (MSL.) at 12.00 Hours , on Sep 28, 2021													
Runoff Yield	3.53	Liters/Second/Square KM.			Momentary Peak Yield			50.06	Liters/Second/Square KM.				

WATER YEAR : 2021**WANG RIVER BASIN****Wang River at Ban Don Mun , Lampang (W.10A)**

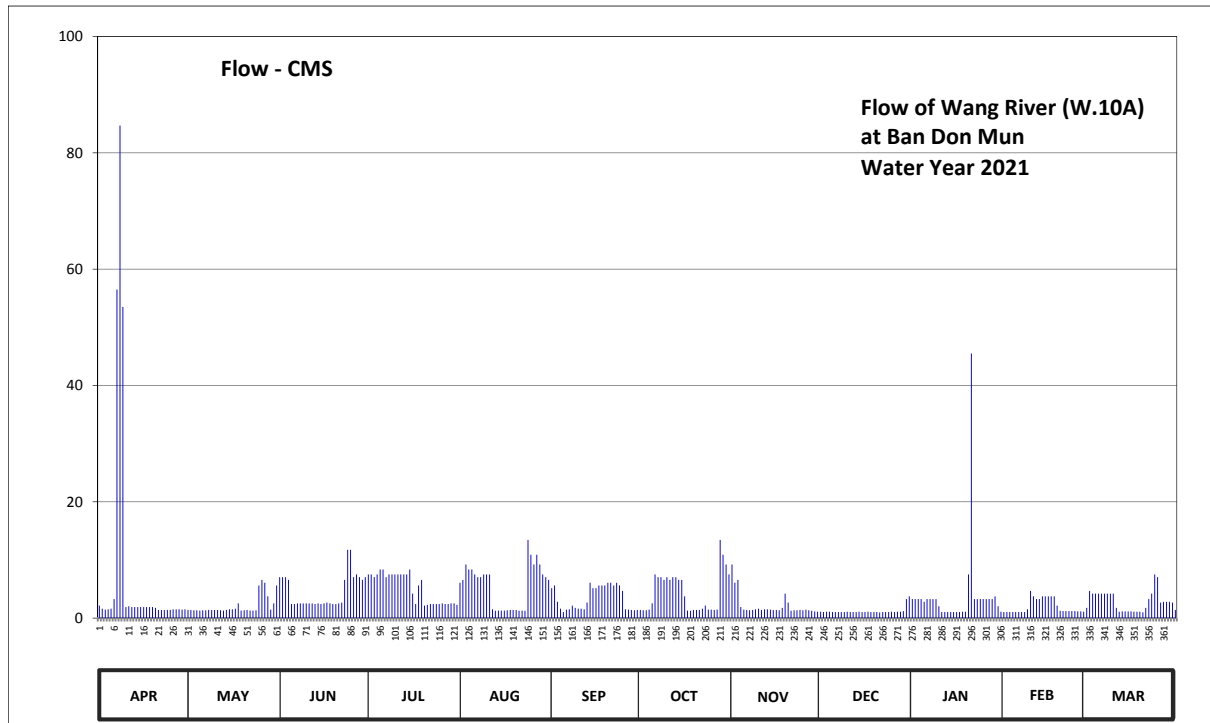
Lat 18 - 31 - 07 N Long 99 - 37 - 58 E

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	+259.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank at the bridge.	Elevation	+270.290 m. (MSL.)
Gage Reading Frequency	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 because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair.Stage-discharge relation defined by 32 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	260.15	260.08	260.29	260.30	260.27	260.25	260.08	260.32	260.02	260.21	260.01	260.12	
2	260.11	260.08	260.29	260.30	260.28	260.26	260.07	260.27	260.01	260.21	260.01	260.24	
3	260.09	260.07	260.29	260.29	260.32	260.20	260.07	260.28	260.02	260.21	260.01	260.23	
4	260.10	260.07	260.28	260.30	260.31	260.11	260.09	260.13	260.02	260.21	260.01	260.23	
5	260.11	260.06	260.17	260.31	260.31	260.01	260.18	260.09	260.01	260.20	260.01	260.23	
6	260.21	260.07	260.17	260.31	260.30	260.09	260.30	260.08	260.01	260.21	260.01	260.23	
7	260.73	260.07	260.18	260.29	260.29	260.10	260.29	260.07	260.01	260.21	260.01	260.23	
8	260.91	260.08	260.18	260.30	260.29	260.15	260.29	260.08	260.01	260.21	260.01	260.23	
9	260.71	260.08	260.18	260.30	260.30	260.12	260.28	260.10	260.01	260.21	260.10	260.23	
10	260.13	260.08	260.18	260.30	260.30	260.11	260.29	260.11	260.02	260.14	260.24	260.23	
11	260.14	260.08	260.18	260.30	260.30	260.11	260.28	260.08	260.01	260.01	260.22	260.12	
12	260.13	260.07	260.18	260.30	260.10	260.10	260.29	260.10	260.01	260.01	260.21	260.02	
13	260.13	260.06	260.17	260.30	260.05	260.19	260.29	260.10	260.01	260.01	260.21	260.03	
14	260.13	260.08	260.18	260.30	260.06	260.27	260.28	260.09	260.02	260.01	260.22	260.03	
15	260.13	260.10	260.17	260.31	260.06	260.25	260.28	260.08	260.01	260.01	260.22	260.03	
16	260.13	260.10	260.18	260.23	260.06	260.25	260.22	260.08	260.01	260.01	260.22	260.03	
17	260.13	260.11	260.19	260.17	260.07	260.26	260.06	260.07	260.02	260.01	260.22	260.02	
18	260.13	260.18	260.18	260.26	260.08	260.26	260.05	260.12	260.01	260.02	260.22	260.02	
19	260.13	260.06	260.17	260.28	260.08	260.26	260.08	260.23	260.01	260.02	260.15	260.02	
20	260.12	260.07	260.17	260.15	260.08	260.27	260.08	260.19	260.01	260.30	260.05	260.00	
21	260.08	260.08	260.18	260.16	260.05	260.27	260.08	260.05	259.99	260.65	260.04	260.12	
22	260.08	260.06	260.19	260.17	260.06	260.26	260.11	260.07	260.01	260.21	260.04	260.21	
23	260.08	260.06	260.28	260.17	260.05	260.27	260.15	260.07	260.01	260.21	260.04	260.23	
24	260.08	260.07	260.35	260.17	260.37	260.26	260.09	260.08	260.01	260.21	260.04	260.30	
25	260.08	260.26	260.35	260.17	260.34	260.24	260.09	260.07	260.02	260.21	260.04	260.29	
26	260.10	260.28	260.29	260.18	260.32	260.10	260.08	260.09	260.01	260.21	260.03	260.19	
27	260.10	260.27	260.30	260.17	260.34	260.09	260.09	260.07	260.02	260.21	260.03	260.20	
28	260.10	260.22	260.29	260.17	260.32	260.08	260.37	260.05	260.02	260.21	260.02	260.20	
29	260.09	260.09	260.28	260.18	260.30	260.07	260.34	260.03	260.04	260.22		260.20	
30	260.10	260.18	260.29	260.18	260.29	260.08	260.32	260.02	260.21	260.14		260.19	
31		260.26		260.16	260.28		260.30		260.22	260.02		260.08	
Mean	260.18	260.11	260.23	260.24	260.21	260.18	260.19	260.11	260.03	260.16	260.09	260.15	
Max	260.91	260.28	260.35	260.31	260.37	260.27	260.37	260.32	260.22	260.65	260.24	260.30	260.91
Min	260.08	260.06	260.17	260.15	260.05	260.01	260.05	260.02	259.99	260.01	260.01	260.00	259.99
Annual Max Momentary Gage Height	261.00		m. (MSL.) ,			at 11.00 Hours , on Apr 9, 2021							
Zero Gage at Bottom Elevation		259.00	m. (MSL.) ,			River Bed	258.52	m. (MSL.)					
Left Bank Elevation		270.17	m. (MSL.) ,										
Right Bank Elevation		269.86	m. (MSL.) ,			Drainage Are	2,777	Square Kilometers					



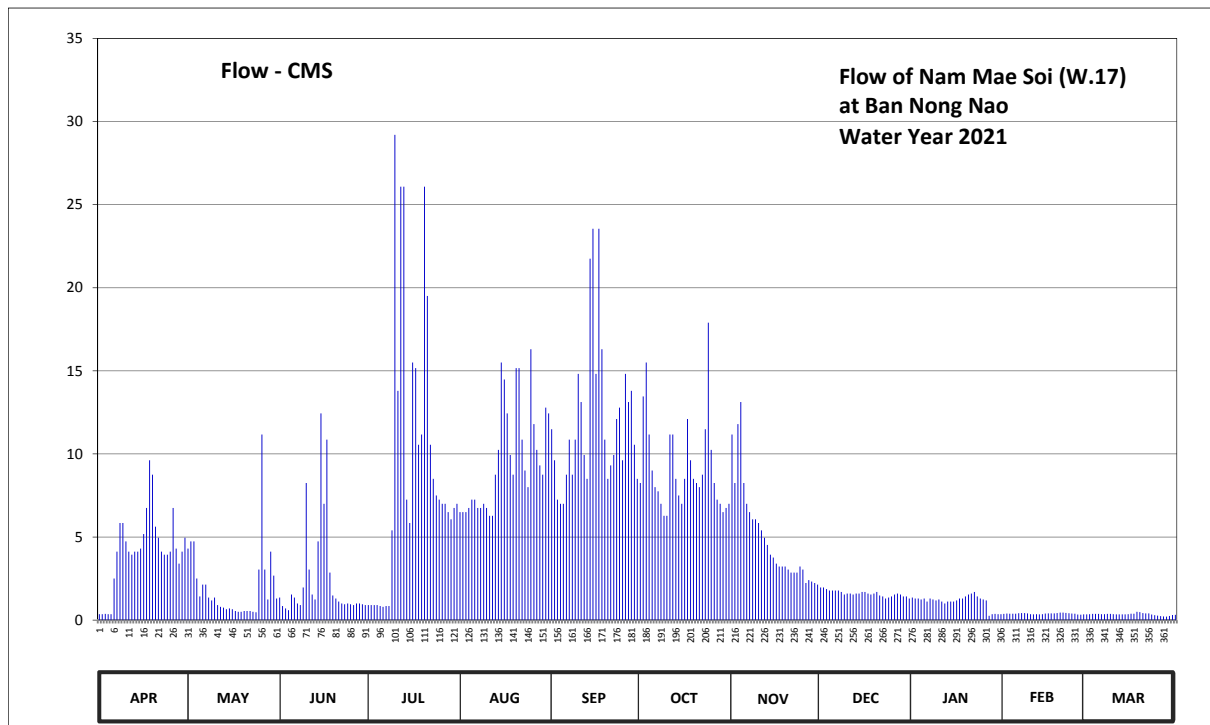
Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.15	1.40	7.03	7.50	6.09	5.15	1.40	9.20	1.10	3.27	1.05	1.76		
2	1.63	1.40	7.03	7.50	6.56	5.62	1.35	6.09	1.05	3.27	1.05	4.68		
3	1.45	1.35	7.03	7.03	9.20	2.80	1.35	6.56	1.10	3.27	1.05	4.21		
4	1.50	1.35	6.56	7.50	8.35	1.63	1.45	1.89	1.10	3.27	1.05	4.21		
5	1.63	1.30	2.41	8.35	8.35	1.05	2.54	1.45	1.05	2.80	1.05	4.21		
6	3.27	1.35	2.41	8.35	7.50	1.45	7.50	1.40	1.05	3.27	1.05	4.21		
7	56.50	1.35	2.54	7.03	7.03	1.50	7.03	1.35	1.05	3.27	1.05	4.21		
8	84.70	1.40	2.54	7.50	7.03	2.15	7.03	1.40	1.05	3.27	1.05	4.21		
9	53.50	1.40	2.54	7.50	7.50	1.76	6.56	1.50	1.05	3.27	1.50	4.21		
10	1.89	1.40	2.54	7.50	7.50	1.63	7.03	1.63	1.10	2.02	4.68	4.21		
11	2.02	1.40	2.54	7.50	7.50	1.63	6.56	1.40	1.05	1.05	3.74	1.76		
12	1.89	1.35	2.54	7.50	1.50	1.50	7.03	1.50	1.05	1.05	3.27	1.10		
13	1.89	1.30	2.41	7.50	1.25	2.67	7.03	1.50	1.05	1.05	3.27	1.15		
14	1.89	1.40	2.54	7.50	1.30	6.09	6.56	1.45	1.10	1.05	3.74	1.15		
15	1.89	1.50	2.41	8.35	1.30	5.15	6.56	1.40	1.05	1.05	3.74	1.15		
16	1.89	1.50	2.54	4.21	1.30	5.15	3.74	1.40	1.05	1.05	3.74	1.15		
17	1.89	1.63	2.67	2.41	1.35	5.62	1.30	1.35	1.10	1.05	3.74	1.10		
18	1.89	2.54	2.54	5.62	1.40	5.62	1.25	1.76	1.05	1.10	3.74	1.10		
19	1.89	1.30	2.41	6.56	1.40	5.62	1.40	4.21	1.05	1.10	2.15	1.10		
20	1.76	1.35	2.41	2.15	1.40	6.09	1.40	2.67	1.05	7.50	1.25	1.00		
21	1.40	1.40	2.54	2.28	1.25	6.09	1.40	1.25	0.95	45.50	1.20	1.76		
22	1.40	1.30	2.67	2.41	1.30	5.62	1.63	1.35	1.05	3.27	1.20	3.27		
23	1.40	1.30	6.56	2.41	1.25	6.09	2.15	1.35	1.05	3.27	1.20	4.21		
24	1.40	1.35	11.75	2.41	13.45	5.62	1.45	1.40	1.05	3.27	1.20	7.50		
25	1.40	5.62	11.75	2.41	10.90	4.68	1.45	1.35	1.10	3.27	1.20	7.03		
26	1.50	6.56	7.03	2.54	9.20	1.50	1.40	1.45	1.05	3.27	1.15	2.67		
27	1.50	6.09	7.50	2.41	10.90	1.45	1.45	1.35	1.10	3.27	1.15	2.80		
28	1.50	3.74	7.03	2.41	9.20	1.40	13.45	1.25	1.10	3.27	1.10	2.80		
29	1.45	1.45	6.56	2.54	7.50	1.35	10.90	1.15	1.20	3.74		2.80		
30	1.50	2.54	7.03	2.54	7.03	1.40	9.20	1.10	3.27	2.02		2.67		
31		5.62		2.28	6.56		7.50		3.74	1.10		1.40		
Total	241.57	65.94	138.06	161.70	173.35	105.08	138.05	64.11	37.96	123.28	56.36	90.79	1396.25	CMSDAY
Mean	8.05	2.13	4.60	5.22	5.59	3.50	4.45	2.14	1.22	3.98	2.01	2.93	3.83	CMS
Max	84.70	6.56	11.75	8.35	13.45	6.09	13.45	9.20	3.74	45.50	4.68	7.50	84.70	CMS
Min	1.40	1.30	2.41	2.15	1.25	1.05	1.25	1.10	0.95	1.05	1.05	1.00	0.95	CMS
Runoff	20.87	5.70	11.93	13.97	14.98	9.08	11.93	5.54	3.28	10.65	4.87	7.84	120.64	MCM
Momentary Peak		100.00	CMS. at 261.00 m. (MSL.) at 11.00 Hours , on Apr 9, 2021											
Runoff Yield	1.38	Liters/Second/Square KM.				Momentary Peak Yield				36.01	Liters/Second/Square KM.			

	Ban	Hai	Amphoe	Chae Hom	Changwat	Lampang
Drainage 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 33 discharge measurements made in 2021.					

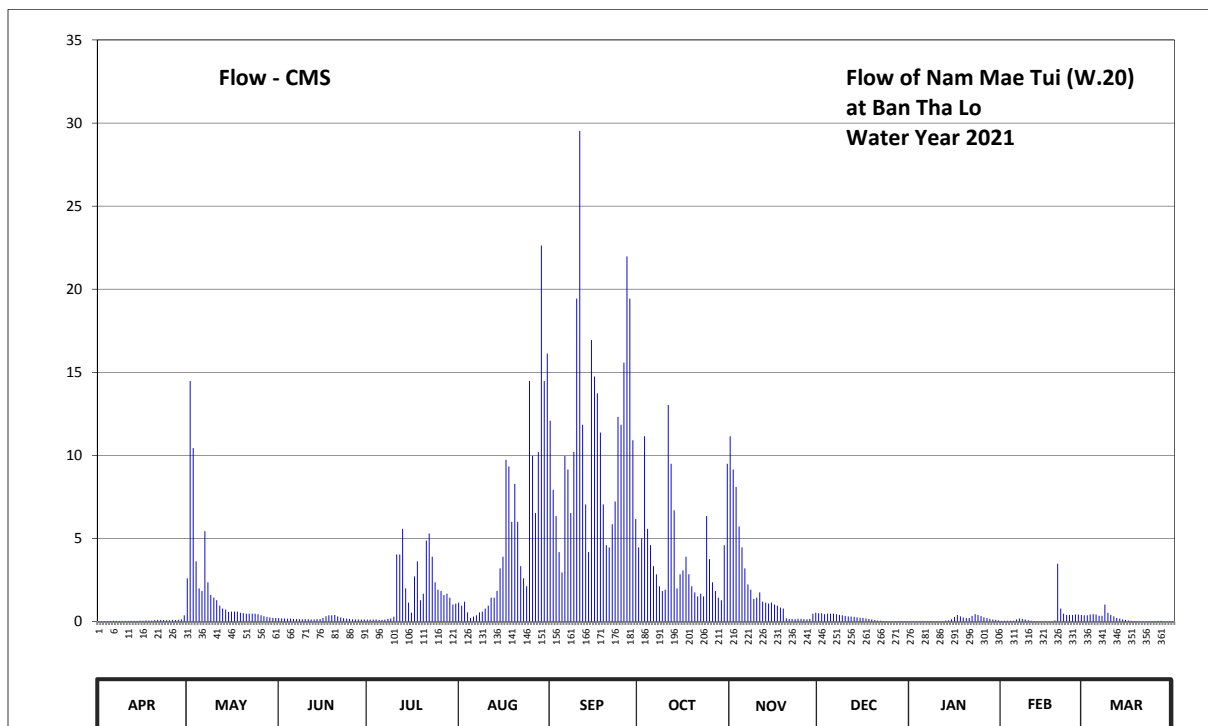
Gage Height in Meter (MSL.)														Water Year April 1, 2021 to March 31, 2022	
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	304.77	304.69	304.75	304.78	304.80	304.86	304.81	304.75	304.71	304.62	304.63	304.62		
	2	305.39	304.69	304.74	304.78	304.81	304.83	304.87	304.74	304.71	304.62	305.36	304.82		
	3	305.44	304.69	304.73	304.79	304.79	304.83	304.94	304.74	304.71	304.62	305.53	305.86		
	4	305.43	304.69	304.73	304.79	305.16	304.83	304.82	304.74	304.73	304.62	305.69	305.95		
	5	305.40	304.69	304.73	304.78	305.64	304.94	304.80	304.74	304.71	304.62	305.95	305.90		
	6	305.41	304.69	304.74	304.78	305.63	305.09	304.80	304.73	304.71	304.62	306.00	305.86		
	7	305.45	304.70	304.73	304.80	305.62	304.98	304.85	304.73	304.71	304.62	305.99	305.85		
	8	305.44	304.70	304.73	304.79	305.64	304.86	304.84	304.73	304.71	304.62	305.90	305.85		
	9	305.46	304.69	304.75	304.81	305.68	304.90	304.82	304.73	304.72	304.61	305.86	305.85		
	10	305.48	304.69	304.76	304.80	305.69	304.94	304.82	304.73	304.73	304.88	305.77	305.85		
	11	305.49	304.69	304.76	304.84	305.68	304.91	305.07	304.73	304.73	305.49	305.90	305.84		
	12	305.15	304.69	304.75	304.92	305.66	304.86	304.89	304.73	304.74	305.50	305.90	305.78		
	13	304.71	304.69	304.75	304.87	304.91	304.84	304.82	304.73	304.74	305.49	305.91	304.73		
	14	304.71	304.69	304.79	304.84	304.91	304.86	304.80	304.78	304.73	305.49	305.89	304.64		
	15	304.71	304.69	304.82	304.83	305.04	304.87	304.79	304.73	304.73	305.49	305.56	304.62		
	16	304.69	304.69	304.81	304.92	304.86	304.81	304.81	304.73	304.73	305.34	304.68	304.62		
	17	304.70	304.69	304.84	304.93	304.80	304.97	304.79	304.73	304.73	304.67	304.63	304.61		
	18	304.69	304.70	304.81	304.87	304.78	304.85	304.77	304.73	304.75	304.63	304.61	304.64		
	19	304.68	304.70	304.79	305.03	304.78	304.82	304.76	305.05	304.72	304.61	304.60	304.62		
	20	304.69	304.69	304.78	305.26	304.80	304.84	304.78	305.63	304.71	304.60	304.60	304.60		
	21	304.69	304.69	304.78	305.00	304.80	304.86	304.77	305.18	304.64	304.60	304.59	304.59		
	22	304.68	304.69	304.79	304.85	304.80	304.87	304.77	304.72	304.63	304.59	304.59	304.59		
	23	304.68	304.69	304.79	304.83	304.80	304.90	304.79	304.76	304.63	304.58	304.60	304.61		
	24	304.68	304.70	304.80	304.83	304.86	304.90	304.88	304.79	304.63	304.58	304.61	304.61		
	25	304.69	304.82	304.79	304.82	304.98	304.85	304.82	304.72	304.62	304.58	304.62	304.62		
	26	304.70	304.81	304.79	304.82	304.87	304.98	304.79	304.71	304.63	304.60	304.63	304.64		
	27	304.69	304.81	304.77	304.82	304.84	304.96	304.78	304.71	304.63	304.61	304.62	304.65		
	28	304.69	304.89	304.78	304.81	304.83	304.96	304.77	304.73	304.63	304.61	304.62	304.65		
	29	304.69	304.91	304.77	304.81	304.83	304.89	304.77	304.71	304.62	304.61		304.68		
	30	304.69	304.80	304.77	304.81	304.84	304.84	304.76	304.72	304.62	304.61		304.72		
31		304.77		304.81	304.82		304.75		304.62	304.62		304.70			
Mean	304.96	304.72	304.77	304.85	305.06	304.89	304.82	304.79	304.69	304.79	305.21	305.04			
Max	305.49	304.91	304.84	305.26	305.69	305.09	305.07	305.63	304.75	305.50	306.00	305.95	306.00		
Min	304.68	304.69	304.73	304.78	304.78	304.81	304.75	304.71	304.62	304.58	304.59	304.59	304.58		
Annual Max Momentary Gage Height			306.05	m. (MSL.) , at 23.00 Hours , on Nov 19, 2021											
Zero Gage at Bottom Elevation			304.00	m. (MSL.) , River Bed 303.73 m. (MSL.)											
Left Bank Elevation			310.13	m. (MSL.) ,											
Right Bank Elevation			310.11	m. (MSL.) , Drainage Are 1,395 Square Kilometers											

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.29	0.74	1.15	1.36	1.50	1.98	1.58	1.15	0.87	0.32	0.38	0.32		
2	7.76	0.74	1.08	1.36	1.58	1.74	2.06	1.08	0.87	0.32	7.34	1.66		
3	8.50	0.74	1.01	1.43	1.43	1.74	2.62	1.08	0.87	0.32	9.85	15.44		
4	8.35	0.74	1.01	1.43	4.76	1.74	1.66	1.08	1.01	0.32	12.34	17.15		
5	7.90	0.74	1.01	1.36	11.54	2.62	1.50	1.08	0.87	0.32	17.15	16.20		
6	8.05	0.74	1.08	1.36	11.38	4.00	1.50	1.01	0.87	0.32	18.10	15.44		
7	8.65	0.80	1.01	1.50	11.22	2.94	1.90	1.01	0.87	0.32	17.91	15.25		
8	8.50	0.80	1.01	1.43	11.54	1.98	1.82	1.01	0.87	0.32	16.20	15.25		
9	8.80	0.74	1.15	1.58	12.18	2.30	1.66	1.01	0.94	0.26	15.44	15.25		
10	9.10	0.74	1.22	1.50	12.34	2.62	1.66	1.01	1.01	2.14	13.76	15.25		
11	9.25	0.74	1.22	1.82	12.18	2.38	3.80	1.01	1.01	9.25	16.20	15.06		
12	4.65	0.74	1.15	2.46	11.86	1.98	2.22	1.01	1.08	9.40	16.20	13.94		
13	0.87	0.74	1.15	2.06	2.38	1.82	1.66	1.01	1.08	9.25	16.39	1.01		
14	0.87	0.74	1.43	1.82	2.38	1.98	1.50	1.36	1.01	9.25	16.01	0.44		
15	0.87	0.74	1.66	1.74	3.50	2.06	1.43	1.01	1.01	9.25	10.30	0.32		
16	0.74	0.74	1.58	2.46	1.98	1.58	1.58	1.01	1.01	7.06	0.68	0.32		
17	0.80	0.74	1.82	2.54	1.50	2.86	1.43	1.01	1.01	0.62	0.38	0.26		
18	0.74	0.80	1.58	2.06	1.36	1.90	1.29	1.01	1.15	0.38	0.26	0.44		
19	0.68	0.80	1.43	3.40	1.36	1.66	1.22	3.60	0.94	0.26	0.20	0.32		
20	0.74	0.74	1.36	5.98	1.50	1.82	1.36	11.38	0.87	0.20	0.20	0.20		
21	0.74	0.74	1.36	3.10	1.50	1.98	1.29	4.98	0.44	0.20	0.18	0.18		
22	0.68	0.74	1.43	1.90	1.50	2.06	1.29	0.94	0.38	0.18	0.18	0.18		
23	0.68	0.74	1.43	1.74	1.50	2.30	1.43	1.22	0.38	0.16	0.20	0.26		
24	0.68	0.80	1.50	1.74	1.98	2.30	2.14	1.43	0.38	0.16	0.26	0.26		
25	0.74	1.66	1.43	1.66	2.94	1.90	1.66	0.94	0.32	0.16	0.32	0.32		
26	0.80	1.58	1.43	1.66	2.06	2.94	1.43	0.87	0.38	0.20	0.38	0.44		
27	0.74	1.58	1.29	1.66	1.82	2.78	1.36	0.87	0.38	0.26	0.32	0.50		
28	0.74	2.22	1.36	1.58	1.74	2.78	1.29	1.01	0.38	0.26	0.32	0.50		
29	0.74	2.38	1.29	1.58	1.74	2.22	1.29	0.87	0.32	0.26		0.68		
30	0.74	1.50	1.29	1.58	1.82	1.82	1.22	0.94	0.32	0.26		0.94		
31		1.29		1.58	1.66		1.15		0.32	0.32		0.80		
Total	104.39	30.27	38.92	60.43	139.73	66.78	51.00	48.00	23.22	62.30	207.45	164.58	997.07	CMSDAY
Mean	3.48	0.98	1.30	1.95	4.51	2								



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.36	4.30	1.36	0.90	6.50	11.48	8.25	11.17	1.96	1.36	0.37	0.35		
2	0.36	4.74	0.85	0.90	6.50	9.62	13.46	8.25	1.96	1.30	0.39	0.36		
3	0.37	4.74	0.70	0.90	6.50	7.25	15.50	11.79	1.87	1.30	0.38	0.37		
4	0.36	2.50	0.60	0.90	6.75	7.00	11.17	13.12	1.78	1.24	0.38	0.37		
5	0.36	1.42	1.54	0.85	7.25	7.00	9.00	8.25	1.78	1.30	0.38	0.37		
6	2.50	2.14	1.36	0.80	7.25	8.75	8.00	7.00	1.78	1.12	0.41	0.36		
7	4.12	2.14	1.00	0.85	6.75	10.86	7.75	6.50	1.78	1.30	0.42	0.36		
8	5.84	1.36	0.90	0.85	6.75	8.75	7.00	6.06	1.69	1.24	0.42	0.37		
9	5.84	1.18	1.96	5.40	7.00	10.86	6.28	6.06	1.54	1.18	0.40	0.37		
10	4.74	1.36	8.25	29.20	6.75	14.82	6.28	5.84	1.60	1.24	0.36	0.36		
11	4.12	0.90	3.04	13.80	6.28	13.12	11.17	5.40	1.60	1.12	0.35	0.35		
12	3.94	0.80	1.54	26.08	6.28	9.93	11.17	4.96	1.54	1.00	0.36	0.35		
13	4.12	0.75	1.24	26.08	8.75	8.50	8.50	4.52	1.60	1.12	0.35	0.35		
14	4.12	0.65	4.74	7.25	10.24	21.75	7.50	3.94	1.60	1.12	0.36	0.35		
15	4.30	0.70	12.44	5.84	15.50	23.55	7.00	3.76	1.69	1.12	0.39	0.36		
16	5.18	0.65	7.00	15.50	14.48	14.82	8.50	3.40	1.69	1.18	0.40	0.38		
17	6.75	0.55	10.86	15.16	12.44	23.55	12.10	3.22	1.60	1.30	0.40	0.38		
18	9.62	0.50	2.86	10.55	9.93	16.30	9.62	3.22	1.54	1.30	0.40	0.50		
19	8.75	0.50	1.48	11.17	8.75	10.86	8.50	3.22	1.60	1.42	0.42	0.48		
20	5.62	0.55	1.30	26.08	15.16	8.50	8.25	3.04	1.69	1.54	0.45	0.42		
21	4.96	0.55	1.12	19.50	15.16	9.31	8.00	2.86	1.48	1.60	0.45	0.40		
22	4.12	0.55	1.00	10.55	10.86	9.93	8.75	2.86	1.42	1.69	0.43	0.40		
23	3.94	0.50	0.95	8.50	9.00	12.10	11.48	2.86	1.30	1.42	0.41	0.34		
24	3.94	0.47	1.00	7.50	8.00	12.78	17.90	3.22	1.36	1.30	0.39	0.30		
25	4.12	3.04	0.95	7.25	16.30	9.62	10.24	3.04	1.42	1.24	0.38	0.27		
26	6.75	11.17	0.90	7.00	11.79	14.82	8.25	2.23	1.54	1.18	0.34	0.24		
27	4.30	3.04	1.00	7.00	10.24	13.12	7.25	2.41	1.60	0.26	0.33	0.22		
28	3.40	1.24	1.00	6.50	9.31	13.80	7.00	2.32	1.54	0.36	0.35	0.21		
29	4.12	4.12	0.95	6.06	8.75	10.55	6.50	2.23	1.42	0.37		0.25		
30	4.96	2.68	0.90	6.75	12.78	8.50	6.75	2.14	1.42	0.36		0.31		
31		1.30		7.00	12.44		7.00		1.30	0.36		0.32		
Total	125.98	61.09	74.79	292.67	300.44	361.80	284.12	148.89	49.69	34.94	10.87	10.82	1756.10	CMSDAY
Mean	4.20	1.97	2.49	9.44	9.69	12.06	9.17	4.96	1.60	1.13	0.39	0.35	4.81	CMS
Max	9.62	11.17	12.44	29.20	16.30	23.55	17.90	13.12	1.96	1.69	0.45	0.50	29.20	CMS
Min	0.36	0.47	0.60	0.80	6.28	7.00	6.28	2.14	1.30	0.26	0.33	0.21	0.21	CMS
Runoff	10.88	5.28	6.46	25.29	25.96	31.26	24.55	12.86	4.29	3.02	0.94	0.93	151.73	MCM
Momentary Peak	45.11	CMS. at 292.37 m. (MSL.) at 03.00 Hours , on Jul 13, 2021												
Runoff Yield	6.69	Liters/Second/Square KM.				Momentary Peak Yield 62.74				Liters/Second/Square KM.				



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.02	2.60	0.21	0.12	1.14	12.09	4.46	11.15	0.50	0.02	0.04	0.38		
2	0.02	14.48	0.20	0.12	0.96	7.93	5.02	9.15	0.50	0.02	0.05	0.38		
3	0.02	10.44	0.19	0.12	1.20	6.35	11.15	8.10	0.45	0.02	0.05	0.43		
4	0.03	3.62	0.18	0.13	0.55	4.18	5.58	5.72	0.48	0.02	0.05	0.45		
5	0.04	2.00	0.18	0.10	0.22	2.96	4.60	4.46	0.48	0.02	0.05	0.43		
6	0.05	1.84	0.16	0.10	0.30	9.97	3.34	3.20	0.48	0.02	0.13	0.35		
7	0.04	5.44	0.16	0.12	0.38	9.15	2.84	2.24	0.45	0.03	0.18	0.35		
8	0.04	2.36	0.15	0.17	0.55	6.53	2.12	1.92	0.40	0.03	0.16	1.02		
9	0.04	1.60	0.14	0.19	0.60	10.21	1.84	1.36	0.38	0.02	0.12	0.53		
10	0.04	1.44	0.15	0.29	0.78	19.43	1.92	1.44	0.34	0.02	0.08	0.40		
11	0.04	1.28	0.14	4.04	0.96	29.53	13.03	1.76	0.31	0.02	0.05	0.31		
12	0.04	0.96	0.13	4.04	1.44	11.85	9.50	1.20	0.30	0.03	0.03	0.22		
13	0.04	0.78	0.13	5.58	1.44	7.05	6.70	1.14	0.28	0.06	0.02	0.18		
14	0.04	0.72	0.15	2.00	1.84	4.18	2.00	1.08	0.25	0.07	0.02	0.13		
15	0.06	0.58	0.15	1.14	3.20	16.95	2.84	1.14	0.23	0.14	0.02	0.10		
16	0.05	0.60	0.22	0.53	3.90	14.75	3.08	1.02	0.22	0.27	0.02	0.06		
17	0.07	0.60	0.32	2.72	9.74	13.73	3.90	0.96	0.19	0.40	0.02	0.04		
18	0.06	0.60	0.38	3.62	9.33	11.38	2.84	0.84	0.16	0.31	0.02	0.03		
19	0.06	0.53	0.38	1.28	6.00	7.05	2.12	0.78	0.13	0.24	0.07	0.02		
20	0.09	0.50	0.40	1.68	8.28	4.60	1.76	0.20	0.09	0.22	3.48	0.02		
21	0.10	0.48	0.31	4.88	6.00	4.46	1.52	0.16	0.06	0.22	0.78	0.02		
22	0.10	0.48	0.24	5.30	3.34	5.86	1.68	0.16	0.05	0.34	0.48	0.02		
23	0.09	0.48	0.21	3.90	2.60	7.23	1.52	0.15	0.03	0.45	0.40	0.02		
24	0.08	0.48	0.18	2.36	2.12	12.32	6.35	0.17	0.03	0.40	0.40	0.02		
25	0.08	0.45	0.16	1.92	14.48	11.85	3.76	0.17	0.02	0.33	0.40	0.03		
26	0.10	0.38	0.14	1.84	9.97	15.58	2.36	0.15	0.02	0.25	0.43	0.04		
27	0.09	0.32	0.13	1.60	6.53	21.98	1.84	0.14	0.02	0.21	0.43	0.04		
28	0.11	0.28	0.13	1.68	10.21	19.43	1.44	0.16	0.02	0.17	0.40	0.02		
29	0.14	0.25	0.12	1.44	22.63	10.91	1.28	0.48	0.02	0.13		0.02		
30	0.38	0.23	0.12	1.02	14.48	6.18	4.60	0.53	0.02	0.10		0.03		
31		0.22		1.08	16.13		9.50		0.02	0.07		0.03		
Total	2.16	57.02	5.86	55.11	161.30	325.67	126.49	61.13	6.93	4.65	8.38	6.12	820.82	CMSDAY
Mean	0.07	1.84	0.20	1.78	5.20	10.86	4.08	2.04	0.22	0.15	0.30	0.20	2.25	CMS
Max	0.38	14.48	0.40	5.58	22.63	29.53	13.03	11.15	0.50	0.45	3.48	1.02	29.53	CMS
Min	0.02	0.22	0.12	0.10	0.22	2.96	1.28	0.14	0.02	0.02	0.02	0.02	0.02	CMS
Runoff	0.19	4.93	0.51	4.76	13.94	28.14	10.93	5.28	0.60	0.40	0.72	0.53	70.92	MCM
Momentary Peak	31.01	CMS. at 232.13 m. (MSL.) at 09.00 Hours , on Sep 11, 2021												
Runoff Yield	3.03	Liters/Second/Square KM.					Momentary Peak Yield	41.79	Liters/Second/Square KM.					

WATER YEAR : 2021**WANG RIVER BASIN****Wang River at Ban Tha Dua , Lampang (W.21)**

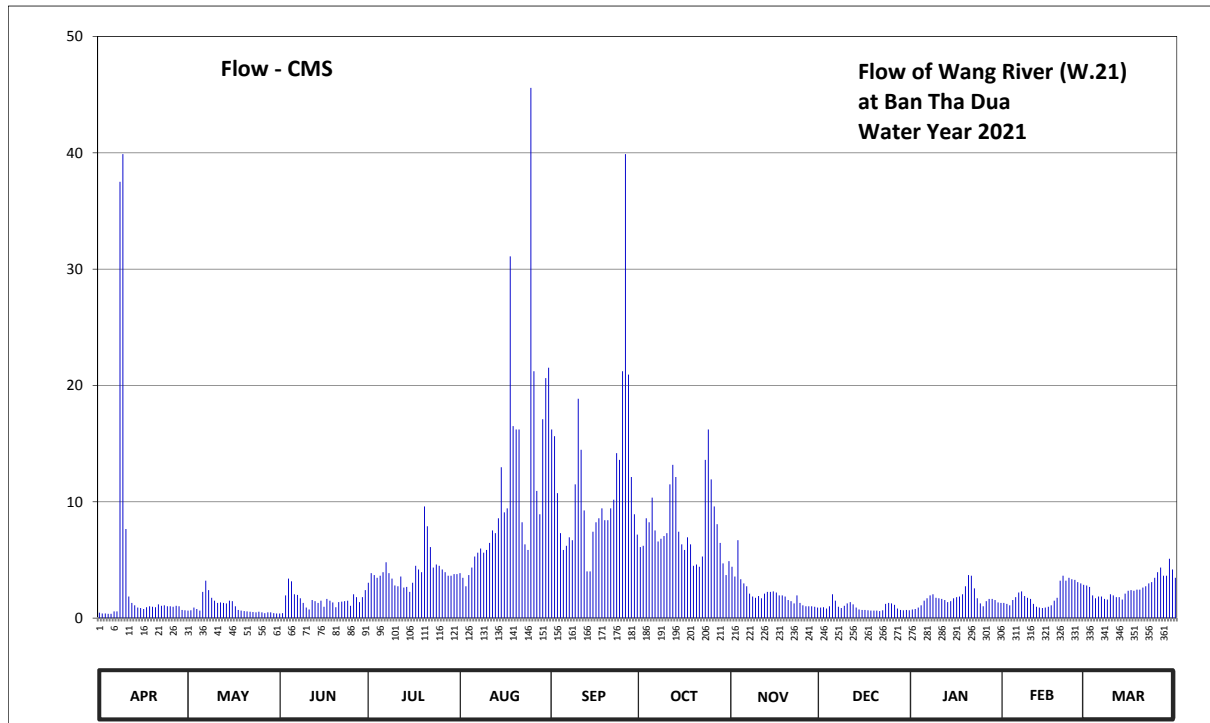
Lat 18 - 20 - 35 N Long 99 - 32 - 14 E

Location : on left bank at the bridge on highway.

	Ban Tha Dua	Amphoe Mueang	Changwat Lampang
Drainage Area	3,348 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+232.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 5 meters from the top staff gage.	Elevation	+236.495 m. (MSL.)
Gage Reading Frequency	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 because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair.Stage-discharge relation defined by 35 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	231.52	231.58	231.50	232.09	232.22	232.99	232.45	232.29	231.65	231.61	231.75	232.05	
2	231.50	231.59	231.51	232.22	232.16	232.97	232.46	232.18	231.66	231.62	231.73	232.03	
3	231.50	231.65	231.89	232.20	232.04	232.76	232.64	232.50	231.63	231.65	231.70	231.89	
4	231.49	231.62	232.15	232.16	232.20	232.55	232.62	232.14	231.68	231.70	231.81	231.84	
5	231.49	231.58	232.11	232.19	232.28	232.43	232.74	232.08	231.91	231.80	231.86	231.87	
6	231.56	231.95	231.91	232.23	232.38	232.46	232.57	232.04	231.80	231.84	231.94	231.87	
7	231.56	232.12	231.90	232.33	232.41	232.52	232.49	231.92	231.67	231.89	231.96	231.83	
8	233.60	231.98	231.84	232.22	232.44	232.50	232.51	231.87	231.64	231.91	231.88	231.82	
9	233.65	231.85	231.75	232.15	232.41	232.80	232.53	231.85	231.69	231.85	231.85	231.91	
10	232.58	231.80	231.65	232.05	232.43	233.08	232.55	231.88	231.74	231.84	231.83	231.89	
11	231.87	231.75	231.61	232.04	232.48	232.93	232.80	231.84	231.77	231.83	231.73	231.86	
12	231.75	231.76	231.81	232.18	232.57	232.68	232.88	231.92	231.72	231.81	231.67	231.86	
13	231.70	231.75	231.79	232.02	232.55	232.24	232.83	231.95	231.65	231.77	231.65	231.82	
14	231.65	231.74	231.75	232.03	232.64	232.24	232.56	231.95	231.61	231.79	231.64	231.92	
15	231.64	231.80	231.80	231.95	232.87	232.56	232.47	231.96	231.60	231.84	231.65	231.97	
16	231.62	231.79	231.67	232.09	232.67	232.62	232.43	231.94	231.60	231.86	231.67	231.98	
17	231.66	231.68	231.83	232.30	232.69	232.64	232.52	231.89	231.59	231.87	231.70	231.97	
18	231.68	231.60	231.80	232.26	233.44	232.69	232.47	231.89	231.58	231.91	231.80	231.99	
19	231.67	231.58	231.76	232.23	233.00	232.63	232.30	231.87	231.58	232.04	231.85	231.99	
20	231.66	231.57	231.66	232.70	232.99	232.63	232.31	231.81	231.58	232.20	232.12	232.02	
21	231.72	231.56	231.77	232.60	232.99	232.69	232.29	231.79	231.57	232.19	232.19	232.04	
22	231.69	231.55	231.78	232.45	232.62	232.73	232.38	231.74	231.59	232.01	232.12	232.08	
23	231.70	231.54	231.79	232.28	232.47	232.92	232.90	231.89	231.73	231.84	232.16	232.10	
24	231.68	231.53	231.80	232.31	232.43	232.90	232.99	231.75	231.75	231.74	232.14	232.16	
25	231.68	231.55	231.69	232.30	233.77	233.16	232.82	231.70	231.74	231.68	232.13	232.23	
26	231.67	231.53	231.91	232.26	233.16	233.65	232.70	231.68	231.71	231.79	232.10	232.28	
27	231.69	231.51	231.86	232.23	232.77	233.15	232.61	231.68	231.63	231.83	232.08	232.19	
28	231.68	231.53	231.77	232.19	232.66	232.83	232.48	231.68	231.60	231.83	232.06	232.19	
29	231.60	231.53	231.86	232.19	233.02	232.66	232.32	231.67	231.59	231.81		232.36	
30	231.59	231.51	231.98	232.21	233.14	232.54	232.20	231.65	231.60	231.76		232.26	
31		231.50		232.21	233.17		232.34		231.59	231.75		232.16	
Mean	231.80	231.66	231.80	232.22	232.68	232.74	232.55	231.90	231.66	231.83	231.88	232.01	
Max	233.65	232.12	232.15	232.70	233.77	233.65	232.99	232.50	231.91	232.20	232.19	232.36	233.77
Min	231.49	231.50	231.50	231.95	232.04	232.24	232.20	231.65	231.57	231.61	231.64	231.82	231.49
Annual Max Momentary Gage Height	233.87	m. (MSL.) ,		at 18.00 Hours , on Apr 8, 2021									
Zero Gage at Bottom Elevation	232.00	m. (MSL.) ,		River Bed		230.92	m. (MSL.)						
Left Bank Elevation	239.85	m. (MSL.) ,											
Right Bank Elevation	240.72	m. (MSL.) ,		Drainage Are		3,348	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.46	0.64	0.40	3.04	3.86	16.21	6.10	4.42	0.90	0.74	1.30	2.80	
2	0.40	0.67	0.43	3.86	3.46	15.63	6.22	3.58	0.94	0.78	1.22	2.68	
3	0.40	0.90	1.95	3.70	2.74	10.74	8.58	6.70	0.82	0.90	1.10	1.95	
4	0.37	0.78	3.40	3.46	3.70	7.30	8.24	3.34	1.02	1.10	1.55	1.70	
5	0.37	0.64	3.16	3.64	4.34	5.86	10.36	2.98	2.05	1.50	1.80	1.85	
6	0.58	2.25	2.05	3.94	5.30	6.22	7.54	2.74	1.50	1.70	2.20	1.85	
7	0.58	3.22	2.00	4.80	5.62	6.94	6.58	2.10	0.98	1.95	2.30	1.65	
8	37.50	2.40	1.70	3.86	5.98	6.70	6.82	1.85	0.86	2.05	1.90	1.60	
9	39.88	1.75	1.30	3.40	5.62	11.50	7.06	1.75	1.06	1.75	1.75	2.05	
10	7.66	1.50	0.90	2.80	5.86	18.86	7.30	1.90	1.26	1.70	1.65	1.95	
11	1.85	1.30	0.74	2.74	6.46	14.47	11.50	1.70	1.38	1.65	1.22	1.80	
12	1.30	1.34	1.55	3.58	7.54	9.26	13.18	2.10	1.18	1.55	0.98	1.80	
13	1.10	1.30	1.46	2.62	7.30	4.02	12.13	2.25	0.90	1.38	0.90	1.60	
14	0.90	1.26	1.30	2.68	8.58	4.02	7.42	2.25	0.74	1.46	0.86	2.10	
15	0.86	1.50	1.50	2.25	12.97	7.42	6.34	2.30	0.70	1.70	0.90	2.35	
16	0.78	1.46	0.98	3.04	9.09	8.24	5.86	2.20	0.70	1.80	0.98	2.40	
17	0.94	1.02	1.65	4.50	9.43	8.58	6.94	1.95	0.67	1.85	1.10	2.35	
18	1.02	0.70	1.50	4.18	31.10	9.43	6.34	1.95	0.64	2.05	1.50	2.45	
19	0.98	0.64	1.34	3.94	16.50	8.41	4.50	1.85	0.64	2.74	1.75	2.45	
20	0.94	0.61	0.94	9.60	16.21	8.41	4.60	1.55	0.64	3.70	3.22	2.62	
21	1.18	0.58	1.38	7.90	16.21	9.43	4.42	1.46	0.61	3.64	3.64	2.74	
22	1.06	0.55	1.42	6.10	8.24	10.17	5.30	1.26	0.67	2.56	3.22	2.98	
23	1.10	0.52	1.46	4.34	6.34	14.18	13.60	1.95	1.22	1.70	3.46	3.10	
24	1.02	0.49	1.50	4.60	5.86	13.60	16.21	1.30	1.30	1.26	3.34	3.46	
25	1.02	0.55	1.06	4.50	45.58	21.22	11.92	1.10	1.26	1.02	3.28	3.94	
26	0.98	0.49	2.05	4.18	21.22	39.88	9.60	1.02	1.14	1.46	3.10	4.34	
27	1.06	0.43	1.80	3.94	10.93	20.93	8.07	1.02	0.82	1.65	2.98	3.64	
28	1.02	0.49	1.38	3.64	8.92	12.13	6.46	1.02	0.70	1.65	2.86	3.64	
29	0.70	0.49	1.80	3.64	17.09	8.92	4.70	0.98	0.67	1.55		5.10	
30	0.67	0.43	2.40	3.78	20.63	7.18	3.70	0.90	0.70	1.34		4.18	
31		0.40		3.78	21.52		4.90		0.67	1.30		3.46	
Total	108.68	31.30	46.50	126.03	354.20	345.86	242.49	63.47	29.34	53.18	56.06	82.58	1539.69 CMSDAY
Mean	3.62	1.01	1.55	4.07	11.43	11.53	7.82	2.12	0.95	1.72	2.00	2.66	4.22 CMS
Max	39.88	3.22	3.40	9.60	45.58	39.88	16.21	6.70	2.05	3.70	3.64	5.10	45.58 CMS
Min	0.37	0.40	0.40	2.25	2.74	4.02	3.70	0.90	0.61	0.74	0.86	1.60	0.37 CMS
Runoff	9.39	2.70	4.02	10.89	30.60	29.88	20.95	5.48	2.53	4.59	4.84	7.13	133.03 MCM
Momentary Peak	51.03 CMS. at 233.87 m. (MSL.) at 18.00 Hours , on Apr 8, 2021												
Runoff Yield	1.26	Liters/Second/Square KM.			Momentary Peak Yield			15.24	Liters/Second/Square KM.				

WATER YEAR : 2021**WANG RIVER BASIN****Nam Mae Chang at Ban Wang Phrao , Lampang (W.22)**

Lat 18 - 08 - 40 N Long 99 - 24 - 30 E

Location : on right bank at the bridge.

	Ban Wang Phrao	Amphoe Ko Kha	Changwat Lampang
Drainage Area	1,527 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+215.161 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank at the approach of the bridge.	Elevation	+221.137 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.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good.Stage-discharge relation defined by 32 discharge measurements made in 2021.		

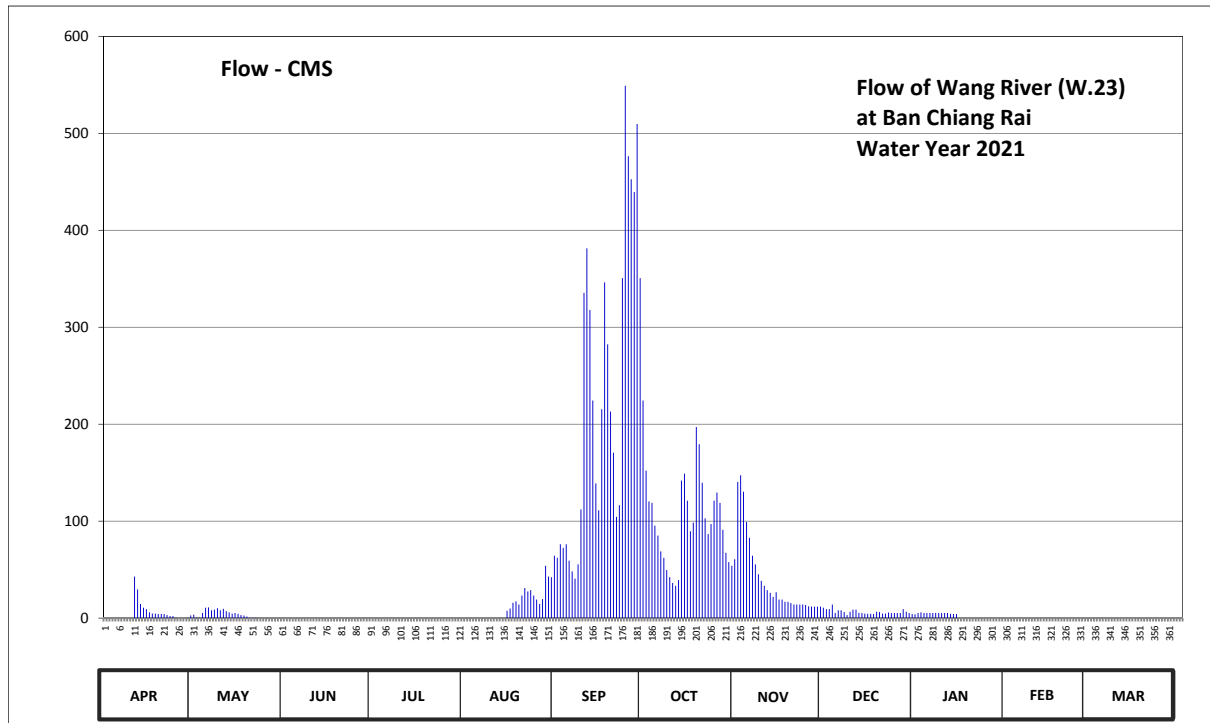
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	215.36	215.40	215.37	215.35	215.36	215.93	215.79	215.71	215.19	214.93	214.82	215.02	
2	215.36	215.40	215.37	215.35	215.33	216.27	215.74	215.64	215.18	214.94	214.82	214.91	
3	215.37	215.39	215.37	215.34	215.33	216.12	215.76	215.62	215.17	214.93	214.82	214.83	
4	215.37	215.39	215.36	215.33	215.33	216.06	215.74	215.69	215.16	214.90	214.81	214.79	
5	215.39	215.39	215.38	215.33	215.33	215.86	215.67	215.76	215.16	214.88	214.80	214.77	
6	215.40	215.39	215.37	215.34	215.33	215.79	215.64	215.74	215.15	214.89	214.79	214.78	
7	215.39	215.42	215.37	215.34	215.33	215.75	215.61	215.64	215.15	214.87	214.78	214.85	
8	215.38	215.40	215.37	215.33	215.32	215.88	215.57	215.59	215.14	214.87	214.86	214.86	
9	215.38	215.39	215.37	215.34	215.31	217.28	215.46	215.54	215.13	214.87	215.04	214.93	
10	215.40	215.39	215.38	215.34	215.31	217.29	215.43	215.51	215.12	214.92	215.01	215.05	
11	215.39	215.40	215.37	215.34	215.33	216.69	215.51	215.48	215.09	214.90	215.00	215.09	
12	215.38	215.40	215.37	215.34	215.33	216.27	216.06	215.46	215.10	214.89	215.15	215.11	
13	215.38	215.41	215.47	215.60	215.32	215.97	216.38	215.44	215.08	214.88	215.14	215.17	
14	215.38	215.41	215.62	215.63	215.32	215.83	216.12	215.42	215.05	214.87	215.19	215.18	
15	215.39	215.41	215.60	215.56	215.33	215.96	215.97	215.40	215.05	214.87	215.19	215.21	
16	215.38	215.42	215.56	215.48	215.32	216.05	216.50	215.40	215.05	214.89	215.15	215.20	
17	215.40	215.41	215.55	215.40	215.32	216.31	216.64	215.40	215.06	215.03	215.21	215.19	
18	215.39	215.41	215.54	215.36	215.32	216.37	216.17	215.38	215.06	215.01	215.20	215.19	
19	215.38	215.42	215.50	215.35	215.32	216.03	216.03	215.34	215.04	214.97	215.22	215.20	
20	215.38	215.41	215.47	215.35	215.34	215.88	215.85	215.31	215.04	214.98	215.25	215.20	
21	215.38	215.41	215.46	215.35	215.33	215.94	215.75	215.29	215.02	215.00	215.25	215.22	
22	215.38	215.42	215.44	215.35	215.32	215.93	215.70	215.29	215.00	214.99	215.23	215.23	
23	215.38	215.42	215.37	215.35	215.33	215.98	215.72	215.28	215.00	214.98	215.23	215.22	
24	215.38	215.41	215.36	215.35	215.34	216.29	215.85	215.27	215.01	214.97	215.22	215.21	
25	215.37	215.38	215.35	215.35	215.51	216.11	215.89	215.26	214.98	214.94	215.20	215.21	
26	215.39	215.38	215.35	215.34	215.90	216.13	215.74	215.26	214.96	214.93	215.19	215.20	
27	215.40	215.38	215.35	215.34	215.68	216.15	215.67	215.26	214.98	214.91	215.17	215.19	
28	215.40	215.39	215.36	215.35	215.60	216.03	215.62	215.26	214.99	214.90	215.16	215.19	
29	215.40	215.37	215.35	215.34	215.52	215.98	215.63	215.25	214.98	214.87		215.21	
30	215.40	215.37	215.36	215.35	215.51	215.87	215.66	215.21	214.95	214.85		215.22	
31		215.37		215.35	215.82		215.72		214.95	214.83		215.21	
Mean	215.38	215.40	215.42	215.37	215.40	216.13	215.83	215.44	215.06	214.92	215.07	215.09	
Max	215.40	215.42	215.62	215.63	215.90	217.29	216.64	215.76	215.19	215.03	215.25	215.23	217.29
Min	215.36	215.37	215.35	215.33	215.31	215.75	215.43	215.21	214.95	214.83	214.78	214.77	214.77
Annual Max Momentary Gage Height	217.81		m. (MSL.) ,			at 13.00 Hours , on Sep 9, 2021							
Zero Gage at Bottom Elevation	215.16		m. (MSL.) ,			River Bed	213.51	m. (MSL.)					
Left Bank Elevation		221.22		m. (MSL.) ,									
Right Bank Elevation		221.24		m. (MSL.) ,		Drainage Are	1,527	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.46	0.50	0.47	0.45	0.46	11.50	22.30	16.70	0.95	0.17	0.11	0.26		
2	0.46	0.50	0.47	0.45	0.43	37.75	18.80	12.70	0.90	0.17	0.11	0.16		
3	0.47	0.49	0.47	0.44	0.43	22.60	20.20	11.60	0.85	0.17	0.11	0.12		
4	0.47	0.49	0.46	0.43	0.43	18.60	18.80	15.45	0.80	0.15	0.11	0.10		
5	0.49	0.49	0.48	0.43	0.43	8.60	14.35	20.20	0.80	0.14	0.10	0.09		
6	0.50	0.49	0.47	0.44	0.43	6.25	12.70	18.80	0.75	0.15	0.10	0.09		
7	0.49	0.60	0.47	0.44	0.43	5.25	11.05	12.70	0.75	0.14	0.09	0.13		
8	0.48	0.50	0.47	0.43	0.42	9.30	9.30	10.10	0.70	0.14	0.13	0.13		
9	0.48	0.49	0.47	0.44	0.41	196.40	5.46	8.10	0.65	0.14	0.32	0.17		
10	0.50	0.49	0.48	0.44	0.41	197.70	4.68	6.90	0.60	0.16	0.23	0.35		
11	0.49	0.50	0.47	0.44	0.43	122.52	6.90	5.98	0.47	0.15	0.20	0.47		
12	0.48	0.50	0.47	0.44	0.43	73.05	49.60	5.46	0.50	0.15	0.75	0.55		
13	0.48	0.55	0.85	2.00	0.42	39.85	85.70	4.94	0.44	0.14	0.70	0.85		
14	0.48	0.55	2.40	2.60	0.42	25.85	56.20	4.42	0.35	0.14	0.95	0.90		
15	0.49	0.55	2.00	1.60	0.43	38.80	39.85	3.90	0.35	0.14	0.95	1.10		
16	0.48	0.60	1.60	0.90	0.42	48.50	99.75	3.90	0.35	0.15	0.75	1.00		
17	0.50	0.55	1.50	0.50	0.42	77.65	116.40	3.90	0.38	0.29	1.10	0.95		
18	0.49	0.55	1.40	0.46	0.42	84.55	61.70	3.52	0.38	0.23	1.00	0.95		
19	0.48	0.60	1.00	0.45	0.42	46.30	46.30	2.76	0.32	0.19	1.20	1.00		
20	0.48	0.55	0.85	0.45	0.44	30.60	27.75	2.19	0.32	0.19	1.50	1.00		
21	0.48	0.55	0.80	0.45	0.43	36.70	19.50	1.90	0.26	0.20	1.50	1.20		
22	0.48	0.60	0.70	0.45	0.42	35.65	16.00	1.90	0.20	0.20	1.30	1.30		
23	0.48	0.60	0.47	0.45	0.43	40.90	17.40	1.80	0.20	0.19	1.30	1.20		
24	0.48	0.55	0.46	0.45	0.44	75.35	27.75	1.70	0.23	0.19	1.20	1.10		
25	0.47	0.48	0.45	0.45	1.10	55.10	31.55	1.60	0.19	0.17	1.00	1.10		
26	0.49	0.48	0.45	0.44	10.00	57.30	18.80	1.60	0.18	0.17	0.95	1.00		
27	0.50	0.48	0.45	0.44	3.60	59.50	14.35	1.60	0.19	0.16	0.85	0.95		
28	0.50	0.49	0.46	0.45	2.00	46.30	11.60	1.60	0.20	0.15	0.80	0.95		
29	0.50	0.47	0.45	0.44	1.20	40.90	12.15	1.50	0.19	0.14		1.10		
30	0.50	0.47	0.46	0.45	1.10	29.65	13.80	1.10	0.18	0.13		1.20		
31		0.47		0.45	7.20		17.40		0.18	0.12		1.10		
Total	14.53	16.18	22.40	19.15	36.45	1578.97	928.09	190.52	13.81	5.12	19.41	22.57	2867.20	CMSDAY
Mean	0.48	0.												

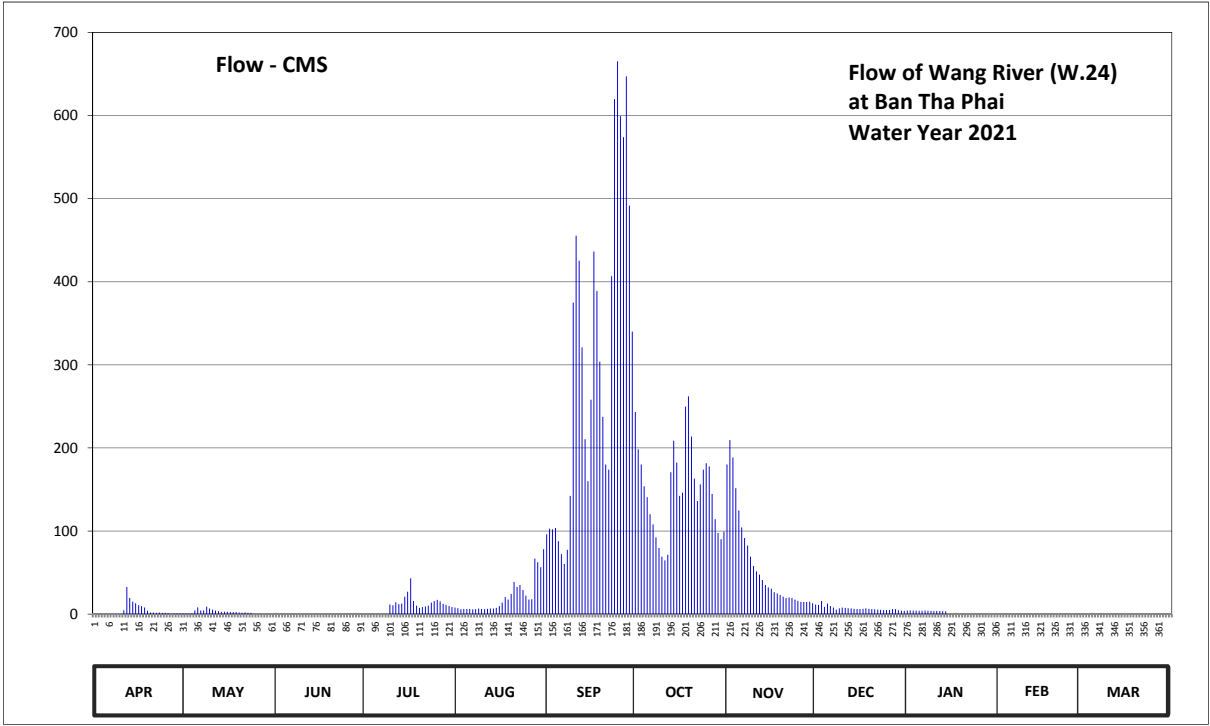
	Ban	Chiang Rai	Amphoe	Sam Ngao	Changwat	Tak
Drainage Area	9,888	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+141.291	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+149.509 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings.					
Period of Available Gage Records	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 15 discharge measurements made in 2021.					

Gage Height in Meter (MSL.)														Water Year April 1, 2021 to March 31, 2022	
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	141.11	142.11	141.94	141.90	142.27	143.14	144.33	144.18	142.32	142.19	142.34	142.54		
	2	141.14	141.96	141.91	141.83	142.25	143.33	143.92	144.27	142.32	142.22	142.33	142.50		
	3	141.14	141.94	141.81	141.77	142.22	143.28	143.90	144.05	142.44	142.19	142.33	142.46		
	4	141.14	142.19	141.71	141.74	142.24	143.33	143.59	143.64	142.19	142.19	142.33	142.46		
	5	141.14	142.36	141.66	141.69	142.24	143.10	143.45	143.42	142.29	142.19	142.36	142.44		
	6	141.14	142.37	141.62	141.67	142.24	142.95	143.23	143.17	142.29	142.19	142.37	142.44		
	7	141.14	142.29	141.61	141.64	142.23	142.85	143.14	143.05	142.23	142.19	142.36	142.42		
	8	141.14	142.31	141.61	141.67	142.24	143.05	142.97	142.91	142.09	142.19	142.34	142.41		
	9	141.14	142.35	141.61	141.96	142.25	143.81	142.87	142.82	142.24	142.19	142.32	142.44		
	10	141.14	142.29	141.88	142.44	142.20	146.55	142.79	142.75	142.31	142.19	142.32	142.43		
	11	142.88	142.33	141.99	142.37	142.20	147.02	142.75	142.69	142.31	142.19	142.29	142.45		
	12	142.70	142.26	141.89	142.53	142.20	146.35	142.83	142.65	142.20	142.15	142.29	142.45		
	13	142.45	142.22	141.87	142.39	142.20	145.24	144.20	142.59	142.19	142.14	142.29	142.45		
	14	142.36	142.16	141.86	142.44	142.22	144.16	144.29	142.66	142.16	142.14	142.34	142.45		
	15	142.32	142.19	141.84	142.53	142.27	143.80	143.93	142.54	142.15	142.29	142.34	142.44		
	16	142.22	142.15	141.81	142.66	142.34	145.13	143.51	142.54	142.15	142.29	142.39	142.44		
	17	142.17	142.09	141.76	142.69	142.48	146.67	143.63	142.50	142.14	142.34	142.39	142.44		
	18	142.16	142.06	141.74	142.42	142.51	145.94	144.90	142.50	142.24	142.29	142.39	142.44		
	19	142.14	142.01	141.85	142.28	142.44	145.10	144.68	142.47	142.23	142.29	142.41	142.44		
	20	142.14	141.93	141.82	142.19	142.61	144.57	144.17	142.44	142.16	142.29	142.41	142.44		
	21	142.14	141.92	141.82	142.24	142.72	143.71	143.69	142.44	142.16	142.29	142.43	142.49		
	22	142.09	141.94	142.13	142.24	142.67	143.87	143.47	142.44	142.21	142.32	142.42	142.49		
	23	142.04	141.89	142.15	142.29	142.69	146.72	143.61	142.44	142.19	142.34	142.34	142.47		
	24	142.04	141.84	142.14	142.35	142.61	148.04	143.93	142.43	142.19	142.34	142.51	142.49		
	25	141.94	141.79	142.13	142.44	142.54	147.70	144.04	142.40	142.19	142.34	142.51	142.49		
	26	141.79	141.79	142.12	142.49	142.45	147.56	143.90	142.39	142.19	142.34	142.51	142.49		
	27	141.84	141.77	142.09	142.41	142.55	147.47	143.53	142.39	142.32	142.34	142.49	142.47		
	28	141.84	141.70	142.03	142.35	143.03	147.87	143.21	142.39	142.24	142.37	142.49	142.39		
	29	141.94	142.24	141.97	142.29	142.88	146.72	143.08	142.39	142.19	142.37		142.51		
	30	142.07	142.02	141.94	142.24	142.87	145.24	143.03	142.36	142.14	142.35		142.50		
31		141.94		142.26	143.17		143.12		142.13	142.34		142.50			
Mean	141.82	142.08	141.88	142.21	142.45	145.14	143.60	142.80	142.22	142.26	142.38	142.46			
Max	142.88	142.37	142.15	142.69	143.17	148.04	144.90	144.27	142.44	142.37	142.51	142.54	148.04		
Min	141.11	141.70	141.61	141.64	142.20	142.85	142.75	142.36	142.09	142.14	142.29	142.39	141.11		
Annual Max Momentary Gage Height			148.14	m. (MSL.) , at 18.00 Hours , on Sep 24, 2021											
Zero Gage at Bottom Elevation			141.29	m. (MSL.) , River Bed 139.93 m. (MSL.)											
Left Bank Elevation			149.41	m. (MSL.) ,											
Right Bank Elevation			149.75	m. (MSL.) , Drainage Are 9,888 Square Kilometers											



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	3.60	0.00	0.00	0.00	62.16	152.08	140.45	9.16	5.20	0.00	0.00	
2	0.00	0.84	0.00	0.00	0.00	76.22	120.38	147.43	9.16	6.00	0.00	0.00	
3	0.00	0.56	0.00	0.00	0.00	72.52	118.85	130.38	14.04	5.20	0.00	0.00	
4	0.00	5.20	0.00	0.00	0.00	76.22	95.46	99.20	5.20	5.20	0.00	0.00	
5	0.00	10.68	0.00	0.00	0.00	59.20	85.10	82.88	8.10	5.20	0.00	0.00	
6	0.00	11.06	0.00	0.00	0.00	48.10	68.82	64.38	8.10	5.20	0.00	0.00	
7	0.00	8.10	0.00	0.00	0.00	40.70	62.16	55.50	6.30	5.20	0.00	0.00	
8	0.00	8.78	0.00	0.00	0.00	55.50	49.58	45.14	3.20	5.20	0.00	0.00	
9	0.00	10.30	0.00	0.00	0.00	111.97	42.18	38.48	6.60	5.20	0.00	0.00	
10	0.00	8.10	0.00	0.00	0.00	335.55	36.26	33.30	8.78	5.20	0.00	0.00	
11	42.92	9.54	0.00	0.00	0.00	381.35	33.30	28.90	8.78	5.20	0.00	0.00	
12	29.60	7.20	0.00	0.00	0.00	317.80	39.22	26.10	5.40	4.40	0.00	0.00	
13	14.50	6.00	0.00	0.00	0.00	224.46	142.00	22.02	5.20	4.20	0.00	0.00	
14	10.68	4.60	0.00	0.00	0.00	138.90	148.98	26.80	4.60	4.20	0.00	0.00	
15	9.16	5.20	0.00	0.00	7.50	111.20	121.15	19.12	4.40	0.00	0.00	0.00	
16	6.00	4.40	0.00	0.00	9.92	215.53	89.54	19.12	4.40	0.00	0.00	0.00	
17	4.80	3.20	0.00	0.00	15.88	346.27	98.45	16.80	4.20	0.00	0.00	0.00	
18	4.60	2.60	0.00	0.00	17.38	282.40	197.00	16.80	6.60	0.00	0.00	0.00	
19	4.20	1.60	0.00	0.00	14.04	213.10	179.40	15.42	6.30	0.00	0.00	0.00	
20	4.20	0.42	0.00	0.00	23.30	170.68	139.68	14.04	4.60	0.00	0.00	0.00	
21	4.20	0.28	0.00	0.00	31.08	104.45	102.95	14.04	4.60	0.00	0.00	0.00	
22	3.20	0.56	0.00	0.00	27.50	116.56	86.58	14.04	5.70	0.00	0.00	0.00	
23	2.20	0.00	0.00	0.00	28.90	350.74	96.95	14.04	5.20	0.00	0.00	0.00	
24	2.20	0.00	0.00	0.00	23.30	549.02	121.15	13.58	5.20	0.00	0.00	0.00	
25	0.56	0.00	0.00	0.00	19.12	476.50	129.60	12.20	5.20	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	14.50	452.70	118.85	11.82	5.20	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	19.70	439.43	91.02	11.82	9.16	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	54.02	509.63	67.34	11.82	6.60	0.00	0.00	0.00	
29	0.56	0.00	0.00	0.00	42.92	350.74	57.72	11.82	5.20	0.00	0.00	0.00	
30	2.80	0.00	0.00	0.00	42.18	224.46	54.02	10.68	4.20	0.00	0.00	0.00	
31		0.00		0.00	64.38		60.68		4.00	0.00		0.00	
Total	146.38	112.82	0.00	0.00	455.62	6914.06	3006.45	1168.12	193.38	70.80	0.00	0.00	12067.63
Mean	4.88	3.64	0.00	0.00	14.70	230.47	96.98	38.94	6.24	2.28	0.00	0.00	33.06
Max	42.92	11.06	0.00	0.00	64.38	549.02	197.00	147.43	14.04	6.00	0.00	0.00	549.02
Min	0.00	0.00	0.00	0.00	0.00	40.70	33.30	10.68	3.20	0.00	0.00	0.00	0.00
Runoff	12.65	9.75	0.00	0.00	39.37	597.37	259.76	100.93	16.71	6.12	0.00	0.00	1042.64
Momentary Peak	CMS. at 148.14 m. (MSL.) at 18.00 Hours , on Sep 24, 2021												
Runoff Yield	3.34	Liters/Second/Square KM.			Momentary Peak Yield			58.34	Liters/Second/Square KM.				

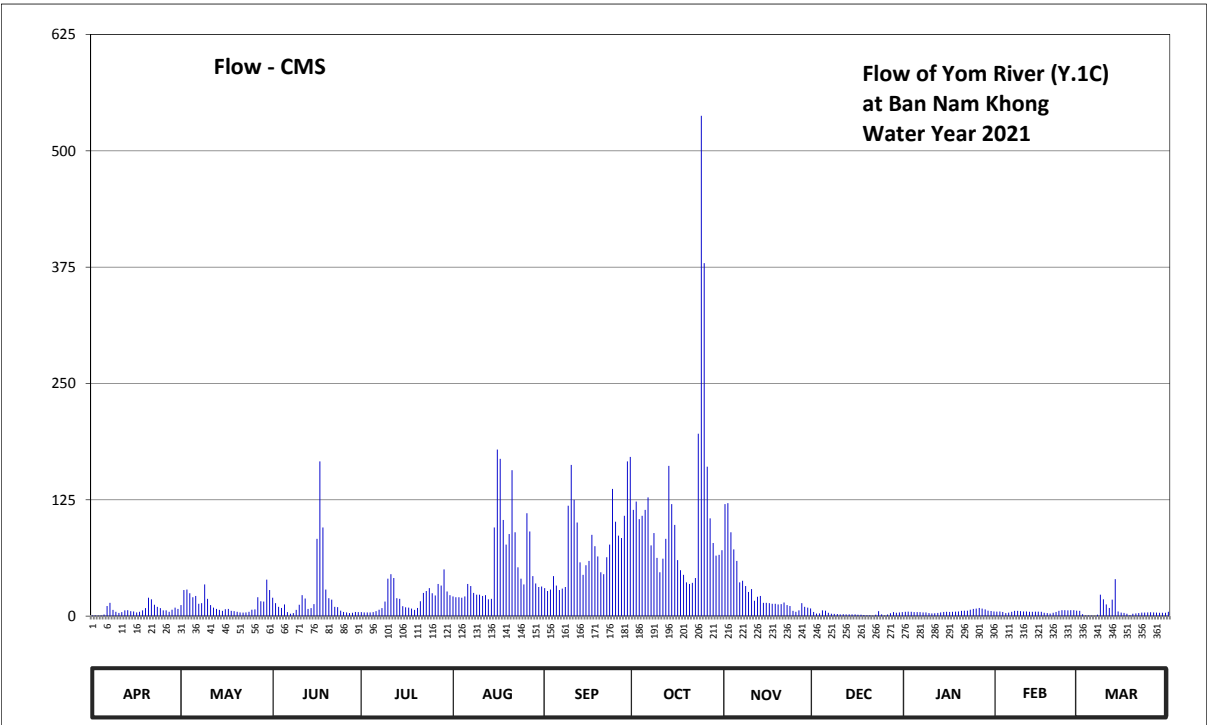


Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.90	0.00	0.00	7.80	96.10	243.16	180.00	11.55	4.17	0.00	0.00		
2	0.00	0.90	0.00	0.00	7.11	102.85	198.23	209.57	11.18	4.36	0.00	0.00		
3	0.00	0.72	0.00	0.00	5.73	102.10	180.00	188.51	15.68	4.17	0.00	0.00		
4	0.00	0.72	0.00	0.00	6.19	103.60	153.82	151.51	8.70	4.17	0.00	0.00		
5	0.00	4.36	0.00	0.00	6.19	87.85	140.74	124.78	12.68	3.98	0.00	0.00		
6	0.00	8.10	0.00	0.00	6.19	72.10	120.22	104.35	9.90	3.98	0.00	0.00		
7	0.00	4.36	0.00	0.00	5.73	60.18	108.10	91.60	7.80	4.17	0.00	0.00		
8	0.00	4.36	0.00	0.00	5.96	77.35	92.35	82.60	5.31	3.98	0.00	0.00		
9	0.00	9.00	0.00	0.00	6.65	142.27	79.60	69.10	6.88	3.79	0.00	0.00		
10	0.00	6.65	0.00	11.55	6.19	374.78	69.10	57.96	7.80	3.60	0.00	0.00		
11	4.55	5.31	0.00	10.50	5.96	455.30	64.62	51.30	7.57	3.79	0.00	0.00		
12	32.80	4.17	0.00	14.18	6.42	425.32	71.35	47.60	7.11	3.60	0.00	0.00		
13	19.38	3.42	0.00	11.93	6.65	320.87	170.76	40.94	6.88	3.42	0.00	0.00		
14	14.93	2.70	0.00	12.68	6.65	210.38	208.76	35.02	6.42	3.42	0.00	0.00		
15	13.05	2.88	0.00	21.00	7.57	159.98	182.31	32.06	6.19	0.00	0.00	0.00		
16	10.80	2.88	0.00	26.94	9.60	257.92	142.27	30.58	6.19	0.00	0.00	0.00		
17	9.60	2.52	0.00	43.16	13.80	436.30	146.12	26.40	6.42	0.00	0.00	0.00		
18	7.80	2.52	0.00	15.68	20.46	389.02	249.72	24.78	6.88	0.00	0.00	0.00		
19	3.98	2.52	0.00	10.20	17.55	303.85	262.02	23.16	6.42	0.00	0.00	0.00		
20	1.98	1.98	0.00	7.57	24.24	237.42	213.64	21.00	5.96	0.00	0.00	0.00		
21	1.98	1.80	0.00	8.40	38.72	180.00	163.06	19.38	5.73	0.00	0.00	0.00		
22	1.62	2.16	0.00	9.30	32.80	173.84	136.18	19.92	5.31	0.00	0.00	0.00		
23	1.98	1.80	0.00	10.20	35.02	406.61	156.13	19.38	5.12	0.00	0.00	0.00		
24	1.62	1.62	0.00	13.80	29.10	619.71	173.84	17.55	4.93	0.00	0.00	0.00		
25	1.44	0.00	0.00	15.68	22.08	665.23	181.54	16.05	4.93	0.00	0.00	0.00		
26	1.26	0.00	0.00	17.18	17.55	599.10	177.69	14.55	4.93	0.00	0.00	0.00		
27	0.36	0.00	0.00	15.30	17.93	574.03	144.58	14.55	6.19	0.00	0.00	0.00		
28	0.72	0.00	0.00	12.30	66.85	647.15	114.14	14.55	5.96	0.00	0.00	0.00		
29	0.90	0.00	0.00	11.18	62.40	491.58	97.60	14.93	4.55	0.00	0.00	0.00		
30	0.90	0.00	0.00	9.90	56.48	340.07	90.10	13.05	3.98	0.00	0.00	0.00		
31		0.00		8.40	78.10		99.10		3.79	0.00		0.00		
Total	131.65	78.35	0.00	317.03	639.67	9112.86	4630.85	1756.73	218.94	54.60	0.00	0.00	16940.68	CMSDAY
Mean	4.39	2.53	0.00	10.23	20.63	303.76	149.38	58.56	7.06	1.76	0.00	0.00	46.41	CMS
Max	32.80	9.00	0.00	43.16	78.10	665.23	262.02	209.57	15.68	4.36	0.00	0.00	665.23	CMS
Min	0.00	0.00	0.00	0.00	5.73	60.18	64.62	13.05	3.79	0.00	0.00	0.00	0.00	CMS
Runoff	11.37	6.77	0.00	27.39	55.27	787.35	400.11	151.78	18.92	4.72	0.00	0.00	1463.67	MCM
Momentary Peak 672.13 CMS. at 144.45 m. (MSL.) at 06.00 Hours , on Sep 25, 2021														
Runoff Yield	4.55	Liters/Second/Square KM.			Momentary Peak Yield	65.95	Liters/Second/Square KM.							

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.30	0.50	3.00	0.14	0.26	3.42	9.70	8.06	1.10	0.35	0.26	0.30		
2	0.28	0.50	1.34	0.14	0.28	4.42	18.53	8.35	1.10	0.35	0.26	0.30		
3	0.28	0.50	1.04	0.14	0.22	2.12	21.35	32.40	1.04	0.35	0.26	0.30		
4	0.35	0.50	0.65	0.12	0.18	1.96	9.25	10.04	0.98	0.35	0.26	0.30		
5	0.70	0.50	0.35	0.10	0.18	1.48	7.78	8.35	0.80	0.35	0.26	0.30		
6	1.10	0.50	0.30	0.10	0.22	1.04	6.28	7.36	0.70	0.35	0.30	0.30		
7	1.10	0.45	0.26	1.96	0.20	3.53	4.08	8.06	0.80	0.30	0.30	0.30		
8	1.16	0.45	0.24	0.65	0.20	2.60	3.10	7.78	0.75	0.28	0.30	0.86		
9	1.16	0.45	0.35	8.80	0.20	3.42	2.80	7.08	0.70	0.28	0.20	0.45		
10	1.16	0.45	4.08	15.50	0.18	9.55	2.40	12.02	0.86	0.28	0.09	0.30		
11	1.22	0.45	1.28	5.26	0.22	7.08	50.50	6.54	0.80	0.35	0.09	0.30		
12	1.28	0.45	0.80	6.94	1.64	5.26	14.89	5.38	0.65	0.55	0.09	0.30		
13	1.48	0.45	0.60	9.25	0.50	2.90	8.06	4.90	0.55	0.50	0.09	0.30		
14	1.56	1.04	1.56	3.53	0.60	49.95	6.15	4.30	0.50	0.50	0.09	0.28		
15	0.70	0.98	26.95	1.10	1.04	29.20	5.50	3.97	0.50	0.50	0.12	0.24		
16	0.55	0.86	8.50	0.92	1.04	14.27	9.40	3.75	0.45	0.50	0.40	0.24		
17	0.50	0.75	4.08	0.98	0.65	27.30	12.22	3.42	0.45	0.60	0.40	0.24		
18	0.50	0.40	2.60	0.98	0.50	10.89	9.55	3.31	0.50	1.04	0.40	0.24		
19	0.50	0.40	2.12	1.56	0.98	5.76	7.78	3.10	0.50	0.98	0.60	0.24		
20	0.55	0.35	1.10	13.04	47.20	4.78	9.87	2.90	0.55	1.64	4.66	0.26		
21	1.04	0.35	1.34	5.50	28.00	25.55	8.50	2.50	0.50	1.48	1.96	0.28		
22	0.55	0.30	0.65	2.04	10.55	16.33	8.95	2.40	0.45	1.88	0.98	0.28		
23	0.55	0.30	0.28	1.10	6.28	13.45	42.75	2.30	0.40	1.22	0.50	1.04		
24	0.50	0.30	0.22	1.10	3.97	9.70	16.33	2.60	0.40	0.98	0.45	1.72		
25	0.55	0.80	0.18	0.98	26.25	10.04	13.86	2.60	0.40	0.75	0.35	0.92		
26	0.55	1.16	0.20	4.54	8.80	24.50	9.70	2.50	0.35	0.40	0.35	0.70		
27	0.50	0.80	0.20	2.30	4.78	14.48	7.78	2.04	0.40	0.55	0.30	0.45		
28	0.50	5.38	0.18	1.16	3.53	38.25	6.41	1.88	0.40	0.55	0.30	0.65		
29	0.50	4.90	0.16	0.60	5.14	22.40	5.14	1.72	0.35	0.50		13.86		
30	0.50	2.70	0.14	0.45	4.42	14.68	5.50	1.28	0.35	0.35		3.00		
31		3.42		0.35	4.66		6.15		0.35	0.35		1.28		
Total	22.17	31.34	64.75	91.33	162.87	380.31	350.26	172.89	18.63	19.41	14.62	30.53	1359.11	CMSDAY
Mean	0.74	1.01	2.16	2.95	5.25									

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.09	1.28	0.32	0.32	0.29	1.50	1.00	0.70	0.34	0.25	0.10	0.14		
2	0.09	2.20	0.32	0.32	0.32	0.82	1.08	0.64	0.34	0.25	0.10	0.13		
3	0.09	1.28	0.31	0.34	0.41	0.82	1.36	0.68	0.34	0.26	0.12	0.10		
4	0.10	0.70	0.62	0.31	0.35	1.28	0.82	0.70	0.34	0.23	0.10	0.09		
5	0.09	0.58	2.82	0.28	0.38	1.04	0.58	0.62	0.32	0.25	0.15	0.09		
6	0.10	0.54	0.97	0.28	0.46	1.08	0.73	0.62	0.32	0.16	0.19	0.08		
7	0.10	0.68	0.73	0.28	0.31	3.12	0.56	0.58	0.32	0.17	0.19	0.09		
8	0.10	0.62	0.70	0.23	0.32	9.51	0.62	0.50	0.29	0.12	0.18	0.10		
9	0.10	0.64	0.79	0.18	0.32	6.28	0.54	0.50	0.29	0.15	0.17	0.10		
10	0.10	0.60	0.76	0.19	0.20	1.70	1.28	0.58	0.26	0.14	0.16	0.08		
11	0.10	0.49	0.85	0.18	0.20	1.55	3.90	0.52	0.25	0.12	0.14	0.07		
12	0.10	0.50	0.76	0.15	0.66	1.16	1.70	0.49	0.25	0.15	0.10	0.07		
13	0.10	0.49	0.79	0.32	1.36	1.95	1.55	0.49	0.25	0.15	0.09	0.07		
14	0.11	0.52	0.62	0.40	1.45	5.32	1.04	0.47	0.26	0.16	0.09	0.07		
15	0.12	0.50	0.76	1.00	2.82	2.00	1.65	0.46	0.28	0.15	0.09	0.07		
16	0.11	0.49	0.76	0.76	2.05	1.20	1.16	0.47	0.26	0.14	0.09	0.06		
17	0.12	0.49	0.70	0.50	1.45	2.15	1.04	0.50	0.28	0.15	0.17	0.05		
18	0.11	0.46	0.52	0.43	1.00	1.16	0.91	0.44	0.28	0.17	0.49	0.06		
19	0.10	0.35	0.47	0.38	2.00	0.91	0.79	0.43	0.26	0.17	0.49	0.07		
20	0.12	0.32	0.47	0.43	4.69	0.97	0.82	0.43	0.26	0.19	0.60	0.09		
21	0.12	0.32	0.41	0.41	0.70	1.65	0.79	0.43	0.23	0.22	0.56	0.09		
22	0.11	0.32	0.35	0.38	0.66	1.28	0.85	0.41	0.23	0.22	0.46	0.08		
23	0.11	0.31	0.26	0.28	0.64	1.40	1.00	0.40	0.18	0.22	0.38	0.09		
24	0.12	0.31	0.22	0.14	0.66	1.28	1.04	0.40	0.18	0.22	0.31	0.23		
25	0.25	0.32	0.32	0.34	5.46	1.70	0.97	0.37	0.19	0.19	0.29	0.25		
26	0.64	0.31	0.31	0.37	1.40	1.60	0.97	0.41	0.22	0.11	0.29	0.31		
27	0.32	0.29	0.28	0.32	1.12	1.24	0.82	0.41	0.26	0.11	0.23	0.19		
28	0.73	0.29	0.31	0.28	1.00	1.24	0.79	0.41	0.26	0.14	0.16	0.16		
29	0.79	0.32	0.26	0.26	1.08	1.16	0.79	0.38	0.29	0.12		0.18		
30	0.85	0.28	0.31	0.26	1.12	1.04	0.82	0.37	0.29	0.11		0.40		
31		0.28		0.29	1.16		0.73		0.28	0.10		0.26		
Total	6.09	17.08	18.07	10.61	36.04	59.11	32.70	14.81	8.40	5.29	6.49	3.92	218.61	CMSDAY
Mean	0.20	0.55	0.60	0.34	1.16	1.97	1.05	0.49	0.27	0.17</				



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.60	11.80	19.77	4.21	21.18	30.10	114.10	120.40	4.42	4.63	4.84	5.68		
2	0.76	28.00	13.84	4.00	20.24	27.00	123.10	121.30	2.74	4.84	5.05	2.08		
3	0.52	28.50	10.00	4.00	20.24	28.50	104.20	90.00	2.92	4.63	4.42	0.60		
4	0.68	24.50	8.80	4.00	19.77	43.02	107.80	71.67	6.10	4.21	3.28	0.60		
5	1.72	20.24	12.48	4.21	21.18	32.85	114.10	59.38	5.89	4.21	3.82	0.52		
6	10.90	21.65	4.21	5.26	34.50	28.00	127.60	36.24	3.64	4.21	4.63	0.28		
7	14.18	13.16	2.56	6.91	32.30	29.55	76.02	37.98	2.56	4.00	5.68	1.48		
8	6.64	13.84	3.28	8.53	25.00	31.20	89.13	32.30	2.38	4.00	5.68	23.06		
9	4.63	33.95	6.64	15.61	23.06	118.60	62.50	26.00	2.20	3.28	5.26	18.07		
10	3.46	18.48	12.14	40.30	23.06	162.40	47.10	29.00	1.96	2.92	5.05	12.48		
11	4.21	11.80	22.59	45.06	21.65	124.90	61.72	16.43	2.08	3.10	5.05	8.80		
12	6.10	9.10	18.89	40.98	22.59	100.60	83.00	20.71	1.96	3.46	4.63	17.66		
13	6.37	7.72	7.72	19.30	18.07	57.82	161.45	21.65	1.84	4.00	4.63	39.72		
14	5.26	6.64	8.53	18.48	18.48	44.38	120.40	14.18	1.96	4.42	4.84	5.05		
15	5.05	5.68	12.82	10.60	95.25	54.70	97.90	14.18	1.84	4.63	4.84	3.82		
16	4.00	7.45	83.00	9.40	179.00	59.38	60.16	13.84	1.60	4.42	4.63	3.46		
17	4.63	7.72	166.20	9.10	169.05	87.38	49.38	13.16	1.48	4.63	3.64	2.56		
18	6.10	5.68	95.25	7.99	103.30	75.15	44.38	13.16	1.24	4.84	3.28	0.94		
19	8.53	5.26	28.50	6.64	76.89	64.16	36.24	12.48	0.92	5.05	2.74	2.64		
20	19.77	4.63	19.30	8.80	88.25	47.10	34.50	12.82	0.92	5.68	3.64	2.92		
21	18.07	4.00	17.66	16.02	156.70	45.06	35.66	14.52	0.44	5.89	4.42	3.28		
22	12.14	3.82	10.00	25.00	90.00	63.33	40.98	11.80	1.48	5.89	5.68	3.72		
23	10.00	4.00	9.70	27.00	52.42	76.89	196.00	10.90	5.26	6.91	6.37	3.76		
24	8.53	4.63	5.89	30.10	40.30	136.60	537.50	5.68	1.96	7.72	6.37	3.92		
25	6.10	6.91	4.42	24.50	33.95	101.50	379.25	4.63	0.60	7.99	6.10	4.16		
26	6.10	7.18	4.00	22.12	110.50	86.50	160.50	6.10	1.72	8.80	6.37	4.00		
27	4.63	20.24	3.28	34.50	90.88	83.88	105.10	13.84	3.10	7.99	6.37	3.72		
28	6.91	16.02	3.64	32.85	43.02	107.80	78.63	10.00	4.21	7.18	5.89	3.52		
29	9.10	15.61	4.42	50.14	35.08	166.20	64.99	9.10	3.64	5.89		3.56		
30	7.72	39.14	4.21	26.50	31.20	171.00	65.82	8.26	4.00	5.47		3.68		
31		28.00		22.59	31.75		70.80		4.21	5.05		4.64		
Total	203.41	435.35	623.74	584.70	1748.86	2285.55	3450.01	871.71	81.27	159.94	137.20	194.38	10776.12	CMSDAY
Mean	6.78	14.04	20.79	18.86	56.41	76.19	111.29	29.06	2.62	5.16	4.90	6.27	29.52	CMS
Max	19.77	39.14	166.20	50.14	179.00	171.00	537.50	121.30	6.10	8.80	6.37	39.72	537.50	CMS
Min	0.52	3.82	2.56	4.00	18.07	27.00	34.50	4.63	0.44	2.92	2.74	0.28	0.28	CMS
Runoff	17.57	37.61	53.89	50.52	151.10	197.47	298.08	75.32	7.02	13.82	11.85	16.79	931.06	MCM
Momentary Peak	565.00 CMS. at 149.48 m. (MSL.) at 10.00 Hours , on Oct 24, 2021													
Runoff Yield	3.85	Liters/Second/Square KM.			Momentary Peak Yield			73.75	Liters/Second/Square KM.					

WATER YEAR : 2021**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.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+51.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	In front of automatic gage building.				Elevation	+65.475 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1967 to date					
Rating Operation						
Period of Rating	1967 to date					
Rated by Float	-					
Rated by Current Meter	1967 to date					
Stability of Channel Regimes	Rather unstable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 16 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	50.30	51.25	50.72	51.27	51.24	52.47	51.70	51.60	52.52	51.46	51.39	51.87	
2	50.30	51.16	51.00	51.16	51.22	52.37	51.77	51.68	52.56	51.70	52.02	51.87	
3	50.30	51.06	51.28	50.83	51.13	52.37	51.91	52.26	52.53	51.90	52.07	51.86	
4	50.32	51.38	51.43	50.91	50.87	52.34	51.89	52.23	52.57	51.88	52.00	51.86	
5	50.37	51.52	51.39	51.05	50.84	52.28	52.17	51.93	52.53	51.84	52.02	51.85	
6	50.43	51.55	51.34	50.73	50.79	52.23	52.45	51.74	52.51	51.83	52.01	51.86	
7	50.36	51.56	51.14	50.61	51.05	52.19	52.72	51.65	52.50	51.83	52.00	51.86	
8	50.33	51.36	50.95	50.58	51.04	52.15	52.89	51.54	52.49	51.82	52.06	51.86	
9	50.32	51.12	50.94	50.61	51.05	52.76	52.58	51.53	52.49	51.81	52.12	51.86	
10	50.31	51.25	50.92	50.70	51.11	57.85	52.45	51.76	52.51	51.79	52.00	51.85	
11	50.31	51.22	50.87	50.81	51.18	57.71	52.32	51.52	52.50	51.77	51.80	51.85	
12	50.31	51.19	50.63	50.88	51.12	56.62	52.15	51.90	52.49	51.73	51.69	51.85	
13	50.31	51.09	50.62	51.10	51.00	55.39	52.32	52.77	52.49	51.70	51.68	51.85	
14	50.31	50.95	50.84	51.30	51.09	54.19	52.41	52.75	52.44	51.67	51.62	51.85	
15	50.31	50.92	50.97	51.20	51.08	53.37	52.56	52.83	52.42	51.63	51.58	51.85	
16	50.32	50.96	50.88	50.93	51.24	53.02	52.34	52.82	52.41	51.57	51.54	51.88	
17	50.36	50.91	50.86	51.11	51.78	52.32	52.41	52.78	52.41	51.47	51.52	52.12	
18	50.35	50.88	50.85	51.22	53.31	52.49	52.71	52.74	52.46	51.45	51.52	52.25	
19	50.33	50.93	51.37	51.19	53.46	53.26	52.02	52.68	52.49	51.43	51.51	52.22	
20	50.33	51.31	51.64	51.16	52.78	52.76	51.70	52.56	52.49	51.42	51.51	52.20	
21	50.33	51.15	51.00	51.11	52.26	52.11	51.79	52.63	52.46	51.41	51.52	52.18	
22	50.33	50.72	50.85	50.99	52.80	52.03	51.96	52.82	52.35	51.35	51.66	52.18	
23	50.33	50.67	50.80	50.94	52.87	54.10	52.98	52.80	52.15	51.32	51.81	52.16	
24	50.33	50.69	50.76	50.98	52.22	57.42	54.67	52.58	52.02	51.44	51.88	52.14	
25	50.51	50.95	50.71	51.16	51.93	55.82	56.82	52.55	51.72	51.36	51.88	52.13	
26	50.77	50.92	50.67	51.35	51.95	54.07	57.53	52.51	51.37	51.22	51.88	52.12	
27	51.03	50.94	50.65	51.35	52.10	53.32	54.94	52.37	51.19	51.08	51.88	52.11	
28	51.17	50.96	50.77	51.34	52.29	52.71	52.32	52.44	51.01	51.05	51.88	52.15	
29	51.14	50.76	51.02	51.31	52.61	52.11	51.65	52.47	51.10	51.00		52.21	
30	51.16	50.74	51.09	51.28	52.52	51.83	51.57	52.38	51.02	50.96		52.19	
31		50.70		51.25	52.62		51.59		51.36	50.95		52.16	
Mean	50.46	51.06	50.97	51.05	51.76	53.52	52.69	52.29	52.18	51.51	51.79	52.01	
Max	51.17	51.56	51.64	51.35	53.46	57.85	57.53	52.83	52.57	51.90	52.12	52.25	57.85
Min	50.30	50.67	50.62	50.58	50.79	51.83	51.57	51.52	51.01	50.95	51.39	51.85	50.30
Annual Max Momentary Gage Height	58.45		m. (MSL.) ,				at 16.00 Hours , on Sep 10, 2021						
Zero Gage at Bottom Elevation		51.00	m. (MSL.) ,			River Bed	51.21	m. (MSL.)					
Left Bank Elevation		63.89	m. (MSL.) ,										
Right Bank Elevation		63.70	m. (MSL.) ,			Drainage Are	12,757	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	19.10	2.28	19.94	18.68	83.65	42.00	36.80	5.64	0.00	0.00	0.00	
2	0.00	15.48	9.40	15.48	17.84	78.15	45.64	40.96	7.32	0.00	0.00	0.00	
3	0.00	11.68	20.36	4.64	14.34	78.15	53.03	72.10	6.06	0.00	0.00	0.00	
4	0.00	25.36	27.96	6.88	5.76	76.50	51.97	70.45	7.74	0.00	0.00	0.00	
5	0.00	32.64	25.88	11.30	4.92	73.20	67.15	54.09	6.06	0.00	0.00	0.00	
6	0.00	34.20	23.28	2.47	3.61	70.45	82.55	44.08	5.22	0.00	0.00	0.00	
7	0.00	34.72	14.72	0.19	11.30	68.25	97.40	39.40	4.80	0.00	0.00	0.00	
8	0.00	24.32	8.00	0.00	10.92	66.05	106.75	33.68	4.56	0.00	0.00	0.00	
9	0.00	13.96	7.72	0.19	11.30	99.60	89.70	33.16	4.56	0.00	0.00	0.00	
10	0.00	19.10	7.16	1.90	13.58	465.95	82.55	45.12	5.22	0.00	0.00	0.00	
11	0.00	17.84	5.76	4.08	16.24	450.75	75.40	32.64	4.80	0.00	0.00	0.00	
12	0.00	16.62	0.57	6.04	13.96	350.02	66.05	0.00	4.56	0.00	0.00	0.00	
13	0.00	12.82	0.38	13.20	9.40	257.12	75.40	23.92	4.56	0.00	0.00	0.00	
14	0.00	8.00	4.92	21.20	12.82	180.81	80.35	21.40	3.36	0.00	0.00	0.00	
15	0.00	7.16	8.56	17.00	12.44	133.52	88.60	35.71	2.88	0.00	0.00	0.00	
16	0.00	8.28	6.04	7.44	18.68	113.92	76.50	33.04	2.64	0.00	0.00	0.00	
17	0.00	6.88	5.48	13.58	46.16	75.40	80.35	25.18	2.64	0.00	0.00	0.00	
18	0.00	6.04	5.20	17.84	130.16	84.75	96.85	20.14	3.84	0.00	0.00	0.00	
19	0.00	7.44	24.84	16.62	138.56	127.36	58.90	13.88	4.56	0.00	0.00	0.00	
20	0.00	21.72	38.88	15.48	100.70	99.60	42.00	7.32	4.56	0.00	0.00	0.00	
21	0.00	15.10	9.40	13.58	72.10	63.85	46.68	10.83	3.84	0.00	0.00	0.00	
22	0.00	2.28	5.20	9.12	101.80	59.45	55.68	33.04	1.20	0.00	0.00	0.00	
23	0.00	1.33	3.80	7.72	105.65	175.50	111.70	27.70	0.00	0.00	0.00	0.00	
24	0.00	0.00	3.04	8.84	69.90	420.84	210.24	8.16	0.00	0.00	0.00	0.00	
25	0.00	0.00	2.09	15.48	54.09	287.68	366.34	6.90	0.00	0.00	0.00	0.00	
26	3.23	0.00	1.33	23.80	55.15	173.73	432.06	5.22	0.00	0.00	0.00	0.00	
27	10.54	0.00	0.95	23.80	63.30	130.72	227.22	1.68	0.00	0.00	0.00	0.00	
28	15.86	0.00	3.23	23.28	73.75	96.85	75.40	3.36	0.00	0.00	0.00	0.00	
29	14.72	0.00	10.16	21.72	91.35	63.85	39.40	4.08	0.00	0.00	0.00	0.00	
30	15.48	0.00	12.82	20.36	86.40	48.79	35.24	1.92	0.00	0.00	0.00	0.00	
31		0.00		19.10	91.90		36.28		0.00	0.00		0.00	
Total	59.83	362.07	299.41	382.27									

WATER YEAR : 2021

YOM RIVER BASIN

Yom River at Nai Mueang, Sukhothai (Y.4)

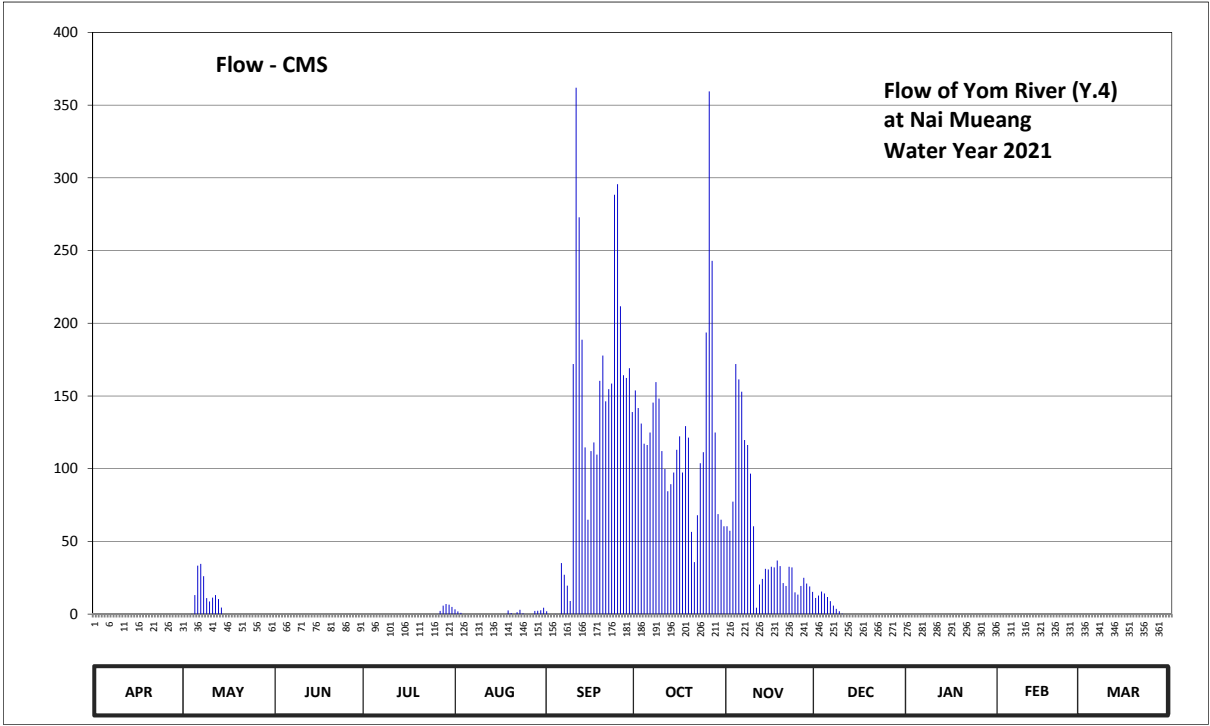
Lat 17 - 00 - 23 N Long 99 - 49 - 20 E

Location : on left bank at the bridge on road.

	Ban	Nai Mueang	Amphoe	Mueang	Changwat	Sukhothai
Drainage Area	16,683	sq.km.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+43.440	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bak near the gage site.				Elevation	+50.889 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1990 to date					
Rating Operation						
Period of Rating	1990 to date					
Rated by Float	-					
Rated by Current Meter	1990 to date					
Stability of Channel Regimes	Fairly stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 11 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	42.94	43.65	44.20	44.81	47.40	47.28	48.17	47.05	47.78	45.28	43.60	44.77	
2	42.94	44.67	44.00	45.37	47.27	47.00	48.04	47.01	47.85	45.10	43.55	44.74	
3	42.94	45.49	43.84	45.53	47.16	46.99	47.92	47.27	47.96	45.03	43.53	44.73	
4	42.94	45.71	44.44	45.22	46.95	47.01	47.76	48.36	47.91	45.03	43.51	44.71	
5	42.94	46.23	45.52	45.00	46.63	46.87	47.75	48.25	47.81	44.96	43.56	44.69	
6	42.94	46.66	45.99	45.10	46.31	46.69	47.85	48.16	47.68	44.89	43.61	44.68	
7	42.94	46.68	46.01	45.05	46.07	46.55	48.08	47.79	47.54	44.83	43.61	44.66	
8	42.94	46.53	45.60	44.92	46.05	46.40	48.23	47.75	47.42	44.77	43.60	44.65	
9	42.94	46.17	45.11	44.82	45.96	46.11	48.11	47.51	47.28	44.72	43.60	44.63	
10	42.94	46.10	44.83	44.79	45.81	48.36	47.70	47.05	47.06	44.66	43.59	44.61	
11	42.94	46.18	44.55	44.87	45.77	50.03	47.55	47.47	46.83	44.59	43.56	44.57	
12	42.94	46.23	44.11	45.02	45.89	49.30	47.36	48.11	46.56	44.53	43.54	44.54	
13	42.94	46.15	43.86	45.15	45.95	48.53	47.42	48.22	46.29	44.47	43.52	44.51	
14	42.94	45.93	43.80	45.49	45.92	47.73	47.52	48.39	46.08	44.43	43.52	44.47	
15	42.94	45.51	43.81	45.96	46.02	47.11	47.71	48.38	45.90	44.47	43.53	44.45	
16	42.94	45.22	44.13	46.08	46.02	47.70	47.82	48.42	45.70	44.67	43.68	44.44	
17	42.94	45.11	44.47	45.91	45.49	47.77	47.52	48.41	45.56	44.80	44.06	44.44	
18	42.94	45.12	44.64	46.04	46.29	47.67	47.90	48.51	45.43	44.81	44.42	44.44	
19	42.94	45.10	44.69	46.29	47.33	48.24	47.81	48.43	45.31	44.74	44.66	44.44	
20	42.94	45.19	45.32	46.43	47.14	48.42	47.00	48.14	45.20	44.41	44.94	44.67	
21	42.94	45.70	46.10	46.56	46.88	48.09	46.70	48.08	45.09	44.00	45.04	44.97	
22	42.94	45.94	45.82	46.68	47.22	48.18	47.15	48.42	44.94	43.85	45.01	45.11	
23	42.94	45.56	45.33	46.71	47.37	48.22	47.60	48.41	44.80	43.78	44.92	45.19	
24	42.94	45.01	44.98	46.68	47.10	49.43	47.69	47.94	44.68	43.73	44.84	45.22	
25	42.94	44.56	44.77	46.69	46.69	49.49	48.58	47.88	44.56	43.70	44.80	45.18	
26	42.94	44.43	44.56	46.92	46.49	48.75	50.01	48.08	44.46	44.13	44.79	45.12	
27	42.94	44.50	44.33	47.30	46.91	48.28	49.04	48.24	44.38	44.55	44.79	45.05	
28	42.94	44.47	44.20	47.54	47.30	48.26	47.85	48.13	44.31	44.38	44.79	44.97	
29	42.94	44.50	44.09	47.59	47.31	48.33	47.16	48.07	44.63	44.08		44.94	
30	42.94	44.52	44.33	47.57	47.34	48.01	47.11	47.95	45.33	43.84		45.05	
31		44.38		47.50	47.47		47.05		45.44	43.69		45.16	
Mean	42.94	45.39	44.71	45.99	46.63	47.89	47.78	48.00	46.06	44.48	44.08	44.77	
Max	42.94	46.68	46.10	47.59	47.47	50.03	50.01	48.51	47.96	45.28	45.04	45.22	50.03
Min	42.94	43.65	43.80	44.79	45.49	46.11	46.70	47.01	44.31	43.69	43.51	44.44	42.94
Annual Max Momentary Gage Height	50.25		m. (MSL.) ,			at 06.00 Hours ,	on Sep 11, 2021						
Zero Gage at Bottom Elevation	43.44		m. (MSL.) ,			River Bed	42.54	m. (MSL.)					
Left Bank Elevation		51.69		m. (MSL.) ,									
Right Bank Elevation		51.59		m. (MSL.) ,		Drainage Are	16,683	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.00	0.00	3.30	1.98	153.81	60.40	11.06	0.00	0.00	0.00		
2	0.00	0.00	0.00	0.00	1.87	0.00	141.72	57.36	12.70	0.00	0.00	0.00		
3	0.00	0.00	0.00	0.00	0.86	0.00	131.00	77.37	15.52	0.00	0.00	0.00		
4	0.00	0.19	0.00	0.00	0.00	0.05	117.16	171.96	14.17	0.00	0.00	0.00		
5	0.00	13.14	0.00	0.00	0.00	0.00	116.33	161.40	11.74	0.00	0.00	0.00		
6	0.00	33.30	0.00	0.00	0.00	35.10	124.88	152.88	8.86	0.00	0.00	0.00		
7	0.00	34.50	0.00	0.00	0.00	27.10	145.44	119.67	5.78	0.00	0.00	0.00		
8	0.00	26.06	0.00	0.00	0.00	19.60	159.48	116.33	3.62	0.00	0.00	0.00		
9	0.00	11.01	0.00	0.00	0.00	9.03	148.23	96.56	1.98	0.00	0.00	0.00		
10	0.00	8.70	0.00	0.00	0.00	171.96	112.15	60.40	0.30	0.00	0.00	0.00		
11	0.00	11.34	0.00	0.00	0.00	361.97	99.78	4.42	0.00	0.00	0.00	0.00		
12	0.00	13.14	0.00	0.00	0.00	272.90	84.52	20.34	0.00	0.00	0.00	0.00		
13	0.00	10.35	0.00	0.00	0.00	188.67	89.31	24.18	0.00	0.00	0.00	0.00		
14	0.00	4.54	0.00	0.00	0.00	114.66	97.36	31.17	0.00	0.00	0.00	0.00		
15	0.00	0.00	0.00	0.00	0.00	64.96	112.99	30.74	0.00	0.00	0.00	0.00		
16	0.00	0.00	0.00	0.00	0.00	112.15	122.25	32.56	0.00	0.00	0.00	0.00		
17	0.00	0.00	0.00	0.00	0.00	118.00	97.36	32.08	0.00	0.00	0.00	0.00		
18	0.00	0.00	0.00	0.00	0.00	109.65	129.25	36.88	0.00	0.00	0.00	0.00		
19	0.00	0.00	0.00	0.00	2.53	160.44	121.38	33.04	0.00	0.00	0.00	0.00		
20	0.00	0.00	0.00	0.00	0.74	177.78	56.60	21.36	0.00	0.00	0.00	0.00		
21	0.00	0.00	0.00	0.00	0.00	146.37	35.70	19.32	0.00	0.00	0.00	0.00		
22	0.00	0.00	0.00	0.00	1.32	154.74	68.00	32.56	0.00	0.00	0.00	0.00		
23	0.00	0.00	0.00	0.00	2.97	158.52	103.80	32.08	0.00	0.00	0.00	0.00		
24	0.00	0.00	0.00	0.00	0.50	288.42	111.32	14.98	0.00	0.00	0.00	0.00		
25	0.00	0.00	0.00	0.00	0.00	295.65	193.62	13.42	0.00	0.00	0.00	0.00		
26	0.00	0.00	0.00	0.00	0.00	211.65	359.46	19.32	0.00	0.00	0.00	0.00		
27	0.00	0.00	0.00	2.20	0.00	164.28	242.92	24.96	0.00	0.00	0.00	0.00		
28	0.00	0.00	0.00	5.78	2.20	162.36	124.88	21.02	0.00	0.00	0.00	0.00		
29	0.00	0.00	0.00	6.88	2.31	169.08	68.76	18.98	0.00	0.00	0.00	0.00		
30	0.00	0.00	0.00	6.44	2.64	138.93	64.96	15.25	0.00	0.00	0.00	0.00		
31		0.00		4.90	4.42		60.40		0.00	0.00		0.00		
Total	0.00	166.27	0.00	26.20	25.66	3836.00	3794.82	1552.99	85.73	0.00	0.00	0.00	9487.67	CMSDAY
Mean	0.00	5.36	0.00	0.85	0.83	127.87	122.41	51.77	2.77	0.00	0.00	0.00	25.99	CMS
Max	0.00	34.50	0.00	6.88	4.42	361.97	359.46	171.96	15.52	0.00	0.00	0.00	361.97	CMS
Min	0.00	0.00	0.00	0.00	0.00	0.00	35.70	4.42	0.00	0.00	0.00	0.00	0.00	CMS
Runoff	0.00	14.37	0.00	2.26	2.22	331.43	327.87	134.18	7.41	0.00	0.00	0.00	819.73	MCM
Momentary Peak	389.73 CMS. at 50.25 m. (MSL.) at 06.00 Hours , on Sep 11, 2021													
Runoff Yield	1.56	Liters/Second/Square KM.				Momentary Peak Yield		23.36	Liters/Second/Square KM.					

WATER YEAR : 2021**YOM RIVER BASIN****Yom River at Ban Kaeng Luang , Sukhothai (Y.6)**

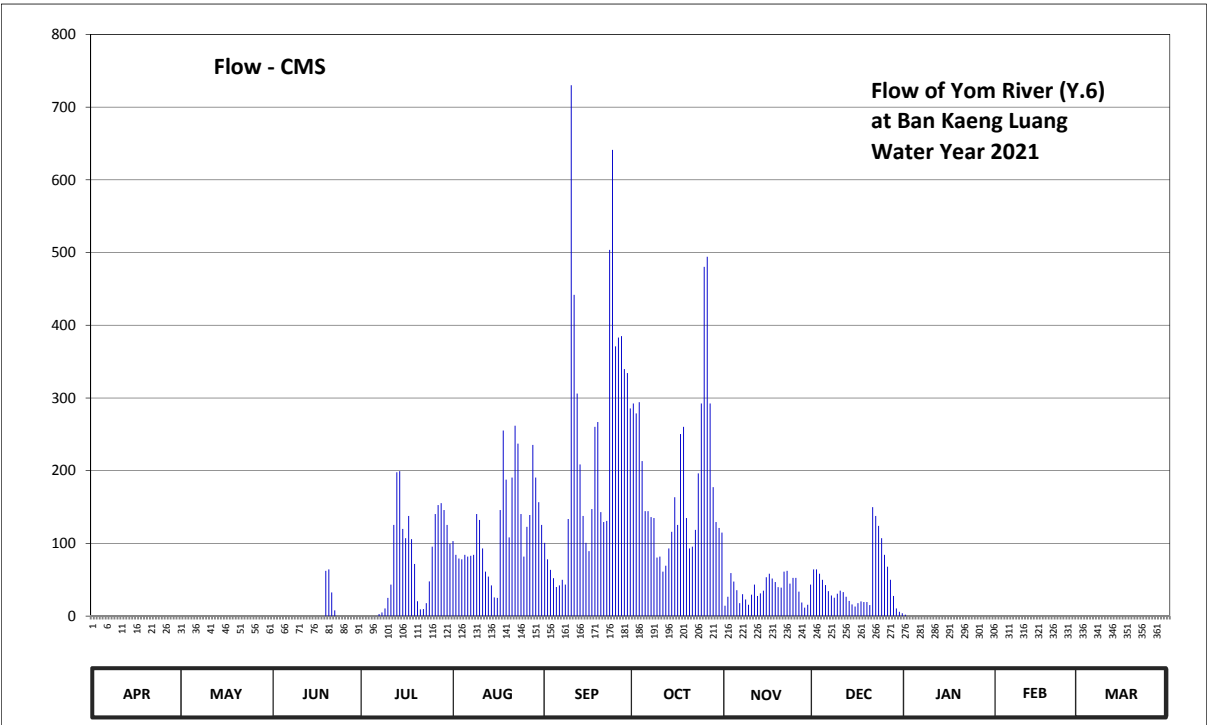
Lat 17 - 26 - 12 N Long 99 - 47 - 15 E

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.				
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	+68.928 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic 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	Rather unstable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 12 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

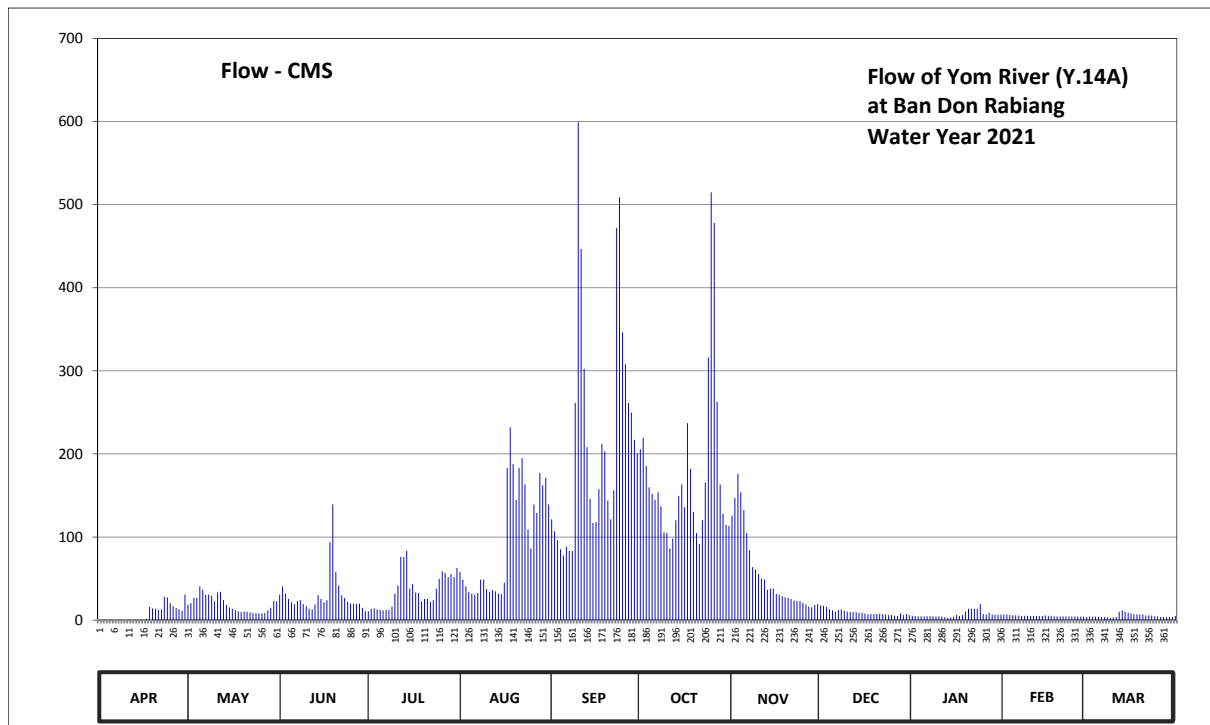
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	58.65	60.01	60.60	60.22	61.48	61.46	62.75	61.92	62.66	60.10	59.54	59.83	
2	58.65	59.78	60.94	60.00	61.33	61.28	62.67	62.16	62.66	60.00	59.50	59.84	
3	58.65	60.00	61.09	60.02	61.29	61.16	62.76	62.61	62.60	59.76	59.45	59.86	
4	58.65	60.12	60.84	59.96	61.28	61.06	62.27	62.48	62.51	59.59	59.13	59.84	
5	58.65	60.27	60.45	60.00	61.33	60.95	61.79	62.31	62.41	59.38	59.06	59.83	
6	58.64	60.22	60.25	60.01	61.31	60.97	61.79	62.00	62.29	59.23	59.47	59.83	
7	58.64	60.24	59.79	60.14	61.32	61.04	61.73	62.22	62.19	59.24	59.50	59.95	
8	58.64	60.19	60.01	60.25	61.33	60.98	61.72	62.10	62.14	59.66	59.59	60.05	
9	58.64	60.44	59.96	60.46	61.76	61.71	61.30	61.95	62.23	59.68	59.56	60.09	
10	58.64	60.52	59.87	60.77	61.70	64.65	61.31	62.21	62.30	59.76	59.50	60.12	
11	58.63	60.39	59.69	60.98	61.40	63.52	61.14	62.42	62.27	59.93	59.49	60.12	
12	58.63	60.74	59.59	61.65	61.14	62.83	61.21	62.18	62.16	59.72	59.47	60.13	
13	58.63	60.75	59.54	62.17	61.08	62.24	61.40	62.24	62.06	59.44	59.47	60.13	
14	58.63	60.69	59.96	62.18	60.97	61.74	61.58	62.30	61.96	59.23	59.53	60.14	
15	58.63	60.49	60.08	61.61	60.78	61.46	61.93	62.55	61.89	59.04	59.51	60.88	
16	58.62	60.26	60.08	61.51	60.77	61.37	61.65	62.60	62.00	58.93	59.48	60.95	
17	58.68	60.05	60.11	61.74	61.80	61.81	62.50	62.53	62.05	58.91	59.47	60.88	
18	58.68	59.88	60.55	61.50	62.53	62.56	62.56	62.47	62.03	58.89	59.46	60.81	
19	58.68	59.75	62.64	61.23	62.10	62.60	61.72	62.37	62.03	58.89	59.45	60.70	
20	58.69	59.57	62.66	60.70	61.52	61.78	61.40	62.36	61.94	58.89	59.44	60.56	
21	59.08	59.60	62.26	60.42	62.12	61.68	61.42	62.63	61.83	58.89	59.43	60.33	
22	59.91	59.55	61.75	60.43	62.57	61.69	61.60	62.64	61.74	58.89	59.42	59.96	
23	59.66	59.53	61.36	60.64	62.42	63.79	62.16	62.44	61.64	58.91	59.42	59.74	
24	59.98	59.50	61.21	61.02	61.76	64.33	62.75	62.54	61.51	58.99	59.41	59.47	
25	59.89	59.48	61.18	61.42	61.31	63.18	63.69	62.54	61.33	59.85	59.40	59.29	
26	59.81	59.44	61.17	61.76	61.63	63.24	63.75	62.28	61.20	59.46	59.39	59.21	
27	59.78	59.43	61.15	61.85	61.75	63.25	62.75	62.02	61.04	59.50	59.38	59.19	
28	59.71	59.47	61.06	61.87	62.41	63.02	62.03	61.85	60.81	59.59	59.37	59.19	
29	59.68	59.60	60.79	61.80	62.12	62.99	61.68	61.95	60.46	59.50		59.18	
30	59.99	59.74	60.56	61.65	61.88	62.71	61.62	62.42	60.30	59.48		59.14	
31		59.98		61.45	61.65		61.57		60.20	59.49		59.13	
Mean	59.01	59.99	60.71	61.01	61.61	62.23	62.01	62.31	61.82	59.38	59.44	59.95	
Max	59.99	60.75	62.66	62.18	62.57	64.65	63.75	62.64	62.66	60.10	59.59	60.95	64.65
Min	58.62	59.43	59.54	59.96	60.77	60.95	61.14	61.85	60.20	58.89	59.06	59.13	58.62
Annual Max Momentary Gage Height	64.72		m. (MSL.) ,			at 15.00 Hours , on Sep 10, 2021							
Zero Gage at Bottom Elevation		59.00	m. (MSL.) ,			River Bed	56.38	m. (MSL.)					
Left Bank Elevation		68.89	m. (MSL.) ,										
Right Bank Elevation		68.59	m. (MSL.) ,			Drainage Are	12,619	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	103.24	100.68	292.40	14.34	64.20	2.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	84.25	78.00	278.80	26.50	64.20	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	79.25	63.48	294.10	59.20	58.20	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	78.00	52.18	213.26	47.50	49.83	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	84.25	40.00	144.44	35.60	42.60	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.20	81.75	42.16	144.44	17.70	34.30	0.00	0.00	0.00	
7	0.00	0.00	0.00	2.80	83.00	49.92	136.28	30.10	28.30	0.00	0.00	0.00	
8	0.00	0.00	0.00	5.00	84.25	43.24	134.92	22.90	25.30	0.00	0.00	0.00	
9	0.00	0.00	0.00	10.58	140.36	133.56	80.50	15.60	30.70	0.00	0.00	0.00	
10	0.00	0.00	0.00	25.02	132.20	730.20	81.75	29.50	34.90	0.00	0.00	0.00	
11	0.00	0.00	0.00	43.24	93.00	441.80	61.22	43.30	33.10	0.00	0.00	0.00	
12	0.00	0.00	0.00	125.40	61.22	306.15	69.25	27.70	26.50	0.00	0.00	0.00	
13	0.00	0.00	0.00	197.82	54.44	208.52	93.00	31.30	20.82	0.00	0.00	0.00	
14	0.00	0.00	0.00	199.28	42.16	137.64	116.04	34.90	16.02	0.00	0.00	0.00	
15	0.00	0.00	0.00	119.96	25.68	100.68	163.48	53.55	13.11	0.00	0.00	0.00	
16	0.00	0.00	0.00	107.08	25.02	89.25	125.40	58.20	17.70	0.00	0.00	0.00	
17	0.00	0.00	0.00	137.64	145.80	147.16	250.35	51.69	20.30	0.00	0.00	0.00	
18	0.00	0.00	0.00	105.80	255.32	260.28	260.28	46.80	19.26	0.00	0.00	0.00	
19	0.00	0.00	62.20	71.75	187.60	266.90	134.92	39.80	19.26	0.00	0.00	0.00	
20	0.00	0.00	64.20	20.40	108.36	143.08	93.00	39.10	15.18	0.00	0.00	0.00	
21	0.00	0.00	32.50	9.26	190.52	129.48	95.56	61.20	149.88	0.00	0.00	0.00	
22	0.00	0.00	8.00	9.59	261.94	130.84	118.60	62.20	137.64	0.00	0.00	0.00	
23	0.00	0.00	0.00	17.85	237.11	503.66	196.36	44.70	124.04	0.00	0.00	0.00	
24	0.00	0.00	0.00	47.66	140.36	641.17	292.40	52.62	107.08	0.00	0.00	0.00	
25	0.00	0.00	0.00	95.56	81.75	371.09	480.26	52.62	84.25	0.00	0.00	0.00	
26	0.00	0.00	0.00	140.36	122.68	383.14	494.30	33.70	68.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	152.60	139.00	385.18	292.40	18.74	49.92	0.00	0.00	0.00	
28	0.00	0.00	0.00	155.32	235.46	339.81	177.38	11.55	27.76	0.00	0.00	0.00	
29	0.00	0.00	0.00	145.80	190.52	334.15	129.48	15.60	10.58	0.00	0.00	0.00	
30	0.00	0.00	0.00	125.40	156.68	285.60	121.32	43.30	6.00	0.00	0.00	0.00	
31		0.00		99.40	125.40		114.76		4.00	0.00		0.00	
Total	0.00	0.00	166.90	2170.77	3830.57	6939.00	5680.65	1121.51	1402.93	2.00	0.00	0.00	21314.33 CMSDAY
Mean	0.00	0.00	5.56	70.02	123.57	231.30	183.25	37.38	45.26	0.06	0.00	0.00	58.40 CMS
Max	0.00	0.00	64.20	199.28	261.94	730.20	494.30	62.20	149.88	2.00	0.00	0.00	730.20 CMS
Min	0.00	0.00	0.00	0.00	25.02	40.00	61.22	11.55	4.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	0.00	14.42	187.55	330.96	599.53	490.81	96.90	121.21	0.17	0.00	0.00	1841.56 MCM
Momentary Peak	750.36	CMS.	at 64.72 m. (MSL.) at 15.00 Hours , on Sep 10, 2021										
Runoff Yield	4.63	Liters/Second/Square KM.			Momentary Peak Yield			59.46	Liters/Second/Square KM.				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.01	0.74	0.74	0.47	1.40	0.98	3.42	2.00	0.58	0.58	0.58	0.58		
2	0.01	0.98	0.58	0.47	1.50	0.90	7.10	1.70	0.58	0.58	0.50	0.50		
3	0.01	0.90	0.50	0.47	1.14	0.98	5.42	1.60	0.58	0.47	0.50	0.50		
4	0.01	0.82	0.47	0.50	1.14	1.14	3.74	1.40	0.66	0.50	0.50	0.58		
5	0.01	0.74	0.47	0.50	1.14	1.14	2.94	1.40	0.66	0.58	0.50	0.58		
6	0.01	0.74	0.66	0.50	1.22	1.30	2.30	1.30	0.50	0.50	0.50	0.50		
7	0.01	0.82	0.90	0.50	1.14	1.30	2.46	1.14	0.58	0.58	0.50	0.50		
8	0.01	0.74	0.74	0.58	1.06	1.70	1.90	1.06	0.58	0.58	0.43	0.50		
9	0.01	0.58	0.90	1.40	0.98	1.80	1.70	0.90	0.66	0.58	0.40	0.50		
10	0.01	0.58	1.14	7.36	1.14	1.80	1.60	1.06	0.66	0.58	0.40	0.50		
11	0.01	0.50	1.06	7.88	1.14	2.00	2.00	0.98	0.66	0.58	0.43	0.50		
12	0.01	0.58	0.98	4.47	1.06	1.60	3.74	0.98	0.66	0.66	0.47	0.50		
13	0.01	0.50	0.90	2.62	1.30	1.40	2.78	0.98	0.58	0.58	0.43	0.50		
14	0.01	0.50	1.40	1.60	1.80	1.70	2.30	0.82	0.58	0.58	0.40	0.50		
15	0.02	0.50	2.94	1.40	7.10	2.46	2.20	0.82	0.58	0.58	0.43	0.50		
16	0.03	0.50	2.78	1.30	3.74	2.62	2.46	0.74	0.58	0.58	0.43	0.50		
17	1.60	0.47	2.10	1.06	2.94	3.58	3.10	0.74	0.58	0.58	0.47	0.50		
18	1.90	0.47	1.60	1.06	1.50	3.10	2.30	0.74	0.58	0.58	0.36	0.47		
19	1.30	0.43	1.22	1.60	1.22	2.20	2.20	0.82	0.58	0.58	0.40	0.50		
20	0.98	0.43	0.98	3.58	1.22	1.90	2.30	0.74	0.58	0.74	0.66	0.50		
21	0.90	0.43	0.74	2.30	2.30	5.04	2.46	0.74	0.58	0.74	0.74	0.50		
22	0.74	0.43	0.58	1.30	1.70	7.10	2.78	0.74	0.58	0.66	0.74	0.50		
23	0.66	0.47	0.47	1.14	1.40	5.23	12.16	0.74	0.66	0.58	0.66	0.50		
24	0.50	0.47	0.47	1.22	1.14	5.80	6.32	0.74	0.66	0.66	0.58	0.50		
25	0.58	0.90	0.43	1.50	1.06	4.85	3.58	0.74	0.66	0.58	0.58	0.58		
26	0.58	2.10	0.43	2.00	1.06	5.61	2.62	0.74	0.66	0.66	0.50	0.47		
27	0.50	1.70	0.43	2.10	0.98	5.23	2.20	0.74	0.66	0.58	0.50	0.58		
28	0.50	1.30	0.58	1.50	0.98	5.61	1.80	0.66	0.58	0.58	0.50	0.58		
29	0.50	1.14	0.58	1.14	0.90	4.28	1.70	0.58	0.58	0.58		0.66		
30	0.66	1.14	0.50	1.06	0.98	3.26	1.80	0.66	0.58	0.58		1.30		
31		0.98		1.06	1.06		2.20		0.58	0.58		1.22		
Total	12.09	23.58	28.27	55.64	48.44	87.61	97.58	29.00	18.78	18.35	14.09	17.60	451.03	CMSDAY
Mean	0.40	0.76	0.94	1.79	1.56	2.92	3.15	0.97	0.61					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022														
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	62.52	63.79	63.99	63.60	64.31	64.91	65.64	64.95	63.77	63.42	63.47	63.35	
	2	62.52	63.82	64.13	63.68	64.22	64.78	65.75	65.14	63.76	63.41	63.46	63.38	
	3	62.51	63.93	64.01	63.69	64.13	64.68	65.47	65.39	63.73	63.40	63.45	63.37	
	4	62.51	63.93	63.91	63.66	64.04	64.58	65.25	65.20	63.67	63.40	63.43	63.37	
	5	62.57	64.13	63.84	63.64	64.01	64.51	65.18	65.01	63.63	63.39	63.43	63.37	
	6	62.66	64.08	63.80	63.63	63.99	64.61	65.12	64.76	63.59	63.40	63.43	63.35	
	7	62.67	63.99	63.87	63.65	64.02	64.56	65.20	64.57	63.64	63.40	63.41	63.33	
	8	62.66	63.99	63.89	63.64	64.22	64.56	65.05	64.37	63.66	63.40	63.42	63.33	
	9	62.66	63.97	63.80	63.74	64.22	66.08	64.77	64.34	63.62	63.39	63.42	63.29	
	10	62.65	63.86	63.75	64.01	64.09	68.43	64.76	64.29	63.59	63.38	63.41	63.33	
	11	62.64	64.03	63.68	64.14	64.04	67.41	64.59	64.23	63.57	63.37	63.41	63.34	
	12	62.64	64.04	63.66	64.49	64.07	66.39	64.70	64.22	63.57	63.33	63.41	63.58	
	13	62.63	63.89	63.79	64.49	64.05	65.66	64.90	64.08	63.56	63.29	63.41	63.63	
	14	62.62	63.78	63.98	64.56	64.01	65.13	65.16	64.10	63.54	63.30	63.41	63.59	
	15	62.62	63.72	63.91	64.10	64.00	64.87	65.28	64.10	63.54	63.37	63.43	63.55	
	16	62.64	63.68	63.84	64.16	64.18	64.88	65.04	64.00	63.51	63.45	63.42	63.52	
	17	63.20	63.64	63.89	64.03	65.45	65.23	65.89	63.99	63.48	63.41	63.42	63.48	
	18	63.73	63.60	64.66	64.02	65.85	65.69	65.44	63.96	63.49	63.44	63.40	63.48	
	19	63.69	63.57	65.07	63.86	65.49	65.62	64.99	63.94	63.49	63.59	63.39	63.47	
	20	63.68	63.59	64.31	63.91	65.12	65.11	64.76	63.93	63.49	63.68	63.39	63.47	
	21	63.65	63.59	64.14	63.91	65.45	64.91	64.64	63.91	63.50	63.68	63.39	63.43	
	22	63.66	63.56	63.98	63.85	65.55	65.22	64.90	63.88	63.48	63.68	63.39	63.43	
	23	63.95	63.53	63.93	63.89	65.28	67.58	65.30	63.87	63.46	63.68	63.39	63.43	
	24	63.94	63.52	63.85	64.10	64.80	67.83	66.49	63.87	63.44	63.80	63.38	63.40	
	25	63.82	63.52	63.81	64.23	64.59	66.71	67.87	63.83	63.44	63.49	63.38	63.38	
	26	63.75	63.51	63.81	64.32	65.07	66.43	67.62	63.79	63.42	63.46	63.37	63.35	
	27	63.70	63.53	63.81	64.30	64.98	66.08	66.09	63.74	63.41	63.54	63.37	63.34	
	28	63.66	63.63	63.81	64.25	65.40	65.99	65.28	63.72	63.51	63.47	63.37	63.33	
	29	63.62	63.71	63.71	64.29	65.27	65.73	64.97	63.78	63.44	63.46		63.34	
	30	63.99	63.87	63.60	64.25	65.35	65.60	64.85	63.80	63.49	63.46		63.34	
	31		63.86		64.36	65.07		64.84		63.44	63.46		63.41	
Mean		63.13	63.77	63.94	64.01	64.66	65.66	65.35	64.23	63.55	63.46	63.41	63.41	
Max		63.99	64.13	65.07	64.56	65.85	68.43	67.87	65.39	63.77	63.80	63.47	63.63	68.43
Min		62.51	63.51	63.60	63.60	63.99	64.51	64.59	63.72	63.41	63.29	63.37	63.29	62.51
Annual Max Momentary Gage Height		68.81		m. (MSL.) ,		at 21.00 Hours , on Sep 23, 2021								
Zero Gage at Bottom Elevation		62.01		m. (MSL.) ,		River Bed		60.13	m. (MSL.)					
Left Bank Elevation		75.23		m. (MSL.) ,										
Right Bank Elevation		75.34		m. (MSL.) ,		Drainage Are		12,141	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	18.72	30.69	10.50	57.70	121.27	205.70	125.73	17.76	5.28	6.73	3.75		
2	0.00	20.30	40.61	13.62	48.70	106.83	219.45	147.12	17.28	4.99	6.44	4.32		
3	0.00	26.70	32.02	14.01	40.61	95.98	185.43	176.04	15.84	4.70	6.15	4.13		
4	0.00	26.70	25.37	12.84	34.01	85.24	159.73	153.90	13.23	4.70	5.57	4.13		
5	0.00	40.61	21.40	12.06	32.02	78.03	151.64	132.43	11.67	4.51	5.57	4.13		
6	0.00	36.67	19.20	11.67	30.69	88.39	144.86	104.66	10.21	4.70	5.57	3.75		
7	0.00	30.69	23.05	12.45	32.68	83.18	153.90	84.21	12.06	4.70	4.99	3.37		
8	0.00	30.69	24.15	12.06	48.70	83.18	136.95	63.70	12.84	4.70	5.28	3.37		
9	0.00	29.36	19.20	16.32	48.70	261.52	105.75	60.70	11.28	4.51	5.28	2.64		
10	0.00	22.50	16.80	32.02	37.34	599.00	104.66	55.70	10.21	4.32	4.99	3.37		
11	0.00	33.35	13.62	41.48	34.01	446.78	86.27	49.70	9.63	4.13	4.99	3.56		
12	0.00	34.01	12.84	75.97	36.01	302.57	98.15	48.70	9.63	3.37	4.99	9.92		
13	0.00	24.15	18.72	75.97	34.68	208.20	120.15	36.67	9.34	2.64	4.99	11.67		
14	0.00	18.24	30.02	83.18	32.02	145.99	149.38	38.00	8.76	2.80	4.99	10.21		
15	0.00	15.36	25.37	38.00	31.35	116.81	163.22	38.00	8.76	4.13	5.57	9.05		
16	0.00	13.62	21.40	43.22	44.96	117.92	135.82	31.35	7.89	6.15	5.28	8.18		
17	1.20	12.06	24.15	33.35	183.08	157.40	237.09	30.69	7.02	4.99	5.28	7.02		
18	15.84	10.50	93.81	32.68	232.03	211.95	181.90	28.69	7.31	5.86	4.70	7.02		
19	14.01	9.63	139.21	22.50	187.78	203.20	130.19	27.36	7.31	10.21	4.51	6.73		
20	13.62	10.21	57.70	25.37	144.86	143.73	104.66	26.70	7.31	13.62	4.51	6.73		
21	12.45	10.21	41.48	25.37	183.08	121.27	91.64	25.37	7.60	13.62	4.51	5.57		
22	12.84	9.34	30.02	21.95	194.83	156.23	120.15	23.60	7.02	13.62	4.51	5.57		
23	28.03	8.47	26.70	24.15	163.22	471.94	165.55	23.05	6.44	13.62	4.51	5.57		
24	27.36	8.18	21.95	38.00	109.00	508.94	315.87	23.05	5.86	19.20	4.32	4.70		
25	20.30	8.18	19.75	49.70	86.27	346.12	514.86	20.85	5.86	7.31	4.32	4.32		
26	16.80	7.89	19.75	58.70	139.21	307.89	477.86	18.72	5.28	6.44	4.13	3.75		
27	14.40	8.47	19.75	56.70	129.07	261.52	262.84	16.32	4.99	8.76	4.13	3.56		
28	12.84	11.67	19.75	51.70	177.20	249.74	163.22	15.36	7.89	6.73	4.13	3.37		
29	11.28	14.88	14.88	55.70	162.06	216.95	127.96	18.24	5.86	6.44		3.56		
30	30.69	23.05	10.50	51.70	171.38	200.70	114.58	19.20	7.31	6.44		3.56		
31		22.50		62.70	139.21		113.46		5.86	6.44		4.99		
Total	231.66	596.91	913.86	1115.64	3026.46	6498.47	5442.89	1663.81	285.31	213.63	140.94	165.57	20295.15	CMSDAY
Mean	7.72	19.26	30.46	35.99	97.63	216.62	175.58	55.46	9.20	6.89	5.03	5.34	55.60	CMS
Max	30.69	40.61	139.21	83.18	232.03	599.00	514.86	176.04	17.76	19.20	6.73	11.67	599.00	CMS
Min	0.00	7.89	10.50	10.50	30.69	78.03	86.27	15.36	4.99	2.64	4.13	2.64	0.00	CMS
Runoff	20.02	51.57	78.96	96.39	261.49	561.47	470.27	143.75	24.65	18.46	12.18	14.31	1753.50	MCM
Momentary Peak	658.60 CMS. at 68.81 m. (MSL.) at 21.00 Hours , on Sep 23, 2021													
Runoff Yield	4.58	Liters/Second/Square KM.			Momentary Peak Yield			54.25	Liters/Second/Square KM.					

WATER YEAR : 2021

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	Staff gage		
Zero Gage at Bottom	+35.320 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	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic mean of 5 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 very good. Stage-discharge relation defined by 8 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	35.32	37.67	35.87	38.64	39.20	41.54	44.06	43.31	39.58	38.95	36.86	36.35	
2	35.32	37.68	36.07	38.66	39.73	41.58	44.06	43.26	38.84	38.82	36.83	36.48	
3	35.32	37.66	36.25	38.68	40.17	41.60	44.04	43.21	38.99	38.70	36.82	36.72	
4	35.32	37.61	36.32	38.68	40.39	41.61	44.02	43.17	39.79	38.57	36.82	36.92	
5	35.32	37.54	36.32	38.66	40.38	41.63	43.98	43.12	40.52	38.43	36.82	37.15	
6	36.41	37.46	36.30	38.62	40.32	41.64	43.93	43.08	40.80	38.31	36.84	37.26	
7	36.61	37.38	36.27	38.59	40.28	41.66	43.88	43.04	40.85	38.25	36.84	37.50	
8	36.82	37.33	36.21	38.57	40.21	41.66	43.81	43.00	40.84	38.13	36.84	37.69	
9	36.80	37.30	36.23	38.57	40.13	41.65	43.73	42.95	40.81	38.05	36.84	37.82	
10	36.78	37.29	36.30	38.58	40.09	41.46	43.67	42.90	40.72	37.91	36.83	37.99	
11	36.77	37.28	36.37	38.64	40.13	41.70	43.63	42.85	40.76	37.77	36.82	38.08	
12	36.75	37.24	36.43	38.68	40.12	41.89	43.58	42.80	40.79	37.65	36.82	38.11	
13	36.73	37.21	36.62	38.70	40.13	42.10	43.54	42.75	40.74	37.51	36.82	38.16	
14	36.73	37.12	36.93	38.70	40.12	42.33	43.48	42.69	40.64	37.40	36.82	38.22	
15	36.73	36.98	37.18	38.70	40.27	42.49	43.43	42.63	40.61	37.25	36.81	38.32	
16	36.73	36.83	37.39	38.72	40.46	42.65	43.39	42.54	40.57	37.13	36.81	38.37	
17	36.76	36.70	37.73	38.87	40.23	42.69	43.35	42.44	40.54	37.05	36.81	38.39	
18	36.90	36.60	38.16	39.65	40.46	42.74	43.31	42.36	40.48	36.96	36.82	38.40	
19	37.11	36.53	38.42	39.25	40.93	42.76	43.30	42.28	40.42	36.85	36.84	38.38	
20	37.24	36.42	38.62	39.02	41.13	42.79	43.27	42.19	40.35	36.71	36.85	38.35	
21	37.36	36.26	38.76	39.27	41.31	42.86	43.23	42.10	40.24	36.66	36.95	38.32	
22	37.54	36.13	38.83	39.57	41.28	42.91	43.21	42.00	40.10	36.58	37.15	38.28	
23	37.71	35.97	38.87	39.65	41.31	42.97	43.18	41.89	39.96	36.54	37.35	38.24	
24	37.83	35.89	38.89	39.66	41.37	43.04	43.16	41.78	39.85	36.49	37.30	38.24	
25	37.87	35.87	38.84	39.65	41.33	43.17	43.14	41.65	39.76	36.46	37.20	38.23	
26	37.87	35.84	38.71	39.69	41.34	43.36	43.17	41.48	39.69	36.40	37.09	38.27	
27	37.82	35.83	38.63	39.68	41.33	43.58	43.24	41.31	39.63	36.35	37.14	38.30	
28	37.79	35.81	38.59	39.63	41.33	43.75	43.33	41.09	39.56	36.27	37.16	38.31	
29	37.69	35.80	38.56	39.63	41.38	43.87	43.37	40.81	39.48	36.12		38.33	
30	37.68	35.80	38.56	39.44	41.46	44.04	43.38	40.43	39.37	35.98		38.31	
31		35.81		39.23	41.50		43.34		39.25	35.90		38.26	
Mean	36.85	36.74	37.44	39.04	40.64	42.46	43.52	42.37	40.15	37.30	36.93	37.93	
Max	37.87	37.68	38.89	39.69	41.50	44.04	44.06	43.31	40.85	38.95	37.35	38.40	44.06
Min	35.32	35.80	35.87	38.57	39.20	41.46	43.14	40.43	38.84	35.90	36.81	36.35	35.32
Annual Max Momentary Gage Height	44.07		m. (MSL.) ,			at 05.00 Hours ,	on Oct 1, 2021						
Zero Gage at Bottom Elevation		35.32	m. (MSL.) ,			River Bed	33.30	m. (MSL.)					
Left Bank Elevation		46.11	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	0.00	0.00	84.85	327.83	212.55	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	4.11	86.95	327.83	207.30	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	20.93	88.00	322.62	202.05	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	29.97	88.55	317.41	198.24	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	29.54	89.65	308.62	193.64	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	26.96	90.20	299.67	189.96	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	25.30	91.30	290.72	186.28	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	22.50	91.30	278.19	182.60	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	19.37	90.75	265.48	178.40	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	17.81	80.65	256.12	174.20	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	19.37	93.50	249.88	170.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	18.98	104.40	242.88	165.80	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	19.37	117.30	238.24	162.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	18.98	132.18	231.28	157.44	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	24.90	143.01	225.48	152.88	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	32.98	154.40	220.95	146.46	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	23.30	157.44	216.75	139.56	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	1.50	32.98	161.24	212.55	134.16	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	54.11	162.76	211.50	128.88	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	63.90	165.04	208.35	122.97	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	72.96	170.84	204.15	117.30	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	71.44	175.04	202.05	111.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	1.50	72.96	180.08	199.16	104.40	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	1.80	75.99	186.28	197.32	97.90	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	1.50	73.97	198.24	195.48	90.75	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	2.70	74.47	217.80	198.24	81.70	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	2.40	73.97	242.88	205.20	72.96	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.90	73.97	268.60	214.65	61.90	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.90	76.49	288.93	218.85	48.47	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	80.65	322.62	219.90	31.69	0.00	0.00	0.00	0.00	
31		0.00		0.00	82.75		215.70		0.00	0.00		0.00	
Total	0.00	0.00	0.00										

WATER YEAR : 2021**YOM RIVER BASIN****Yom River at Ban Bang Rakam , Phitsanulok (Y.16)**

Lat 16 - 45 - 29 N Long 100 - 06 - 56 E

Location : on right bank about 58 meters upstream from the old staff gage.

	Ban	Bang Rakam	Amphoe	Bang Rakam	Changwat	Phitsanulok
Drainage Area	19,536	sq.km.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+31.630	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 13 meters from the top staff gage.				Elevation	+43.630 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1967 to date					
Rating Operation						
Period of Rating	1967 , 1995 to date					
Rated by Float	-					
Rated by Current Meter	1967 , 1995 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +38.860 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 10 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	31.70	31.73	31.75	31.87	34.99	36.89	40.44	40.81	36.35	33.71	31.71	31.95	
2	31.70	31.73	31.75	31.99	34.70	36.97	40.69	40.81	36.00	33.49	31.71	31.95	
3	31.71	31.73	31.75	32.11	33.98	37.00	40.98	40.79	35.55	33.22	31.69	31.94	
4	31.71	31.72	31.76	32.19	33.43	37.01	41.19	40.75	35.06	33.10	31.69	31.93	
5	31.73	31.72	31.76	32.20	33.31	37.04	41.44	40.70	34.75	33.04	31.69	31.92	
6	31.74	31.72	31.75	32.21	33.23	36.94	41.64	40.65	34.69	32.97	31.68	31.85	
7	31.75	31.73	31.75	32.36	33.14	36.65	41.74	40.59	34.72	32.84	31.68	31.85	
8	31.75	31.73	31.74	32.48	33.10	36.50	41.74	40.52	34.74	32.83	31.65	31.81	
9	31.72	31.75	31.74	32.59	33.05	36.75	41.67	40.44	34.75	32.78	31.65	31.81	
10	31.72	31.75	31.73	32.65	33.00	37.50	41.58	40.34	34.76	32.70	31.64	31.79	
11	31.73	31.76	31.72	32.68	32.97	37.76	41.51	40.22	34.74	32.60	31.62	31.75	
12	31.73	31.76	31.72	32.73	32.93	37.95	41.51	40.09	34.72	32.49	31.62	31.75	
13	31.71	31.75	31.74	32.75	32.90	37.99	41.44	39.95	34.68	32.33	31.61	31.75	
14	31.71	31.75	31.74	32.76	32.85	37.84	41.35	39.79	34.62	32.25	31.61	31.71	
15	31.69	31.75	31.75	33.10	32.80	37.95	41.25	39.60	34.55	32.22	31.61	31.71	
16	31.69	31.74	31.75	33.19	32.86	38.10	41.15	39.41	34.52	32.00	31.73	31.71	
17	31.67	31.74	31.77	33.41	33.99	38.17	41.07	39.22	34.54	31.82	31.77	31.71	
18	31.67	31.73	31.77	33.49	35.15	38.37	40.99	39.03	34.56	31.77	31.88	31.73	
19	31.67	31.73	31.78	34.92	35.51	38.50	40.94	38.83	34.50	31.72	31.91	31.73	
20	31.67	31.73	31.78	35.23	35.78	38.66	40.88	38.64	34.42	31.70	31.93	31.73	
21	31.67	31.75	31.78	35.28	35.82	38.77	40.82	38.46	34.37	31.69	31.95	31.72	
22	31.69	31.75	31.78	35.28	35.64	38.85	40.82	38.32	34.33	31.69	31.95	31.72	
23	31.69	31.77	31.78	35.35	35.13	38.92	40.89	38.17	34.26	31.70	31.95	31.72	
24	31.69	31.77	31.79	35.37	34.86	39.03	40.84	37.96	34.18	31.70	31.83	31.72	
25	31.70	31.78	31.79	35.48	34.85	39.18	40.79	37.87	34.11	31.70	31.78	31.73	
26	31.70	31.78	31.80	35.57	34.92	39.33	40.75	37.77	34.02	31.71	31.78	31.73	
27	31.71	31.78	31.80	35.39	34.92	39.52	40.70	37.58	33.94	31.72	31.78	31.73	
28	31.71	31.76	31.81	35.32	34.82	39.74	40.69	37.21	33.85	31.73	31.78	31.85	
29	31.73	31.75	31.81	35.26	35.00	40.00	40.73	36.79	33.75	31.75		32.03	
30	31.73	31.74	31.81	35.23	35.97	40.24	40.77	36.51	33.67	31.77		32.03	
31		31.74		35.07	36.69		40.79		33.56	31.77		32.03	
Mean	31.71	31.75	31.76	33.73	34.27	38.14	41.09	39.26	34.56	32.27	31.75	31.81	
Max	31.75	31.78	31.81	35.57	36.69	40.24	41.74	40.81	36.35	33.71	31.95	32.03	41.74
Min	31.67	31.72	31.72	31.87	32.80	36.50	40.44	36.51	33.56	31.69	31.61	31.71	31.61
Annual Max Momentary Gage Height	41.76		m. (MSL.) ,			at 14.00 Hours ,	on Oct 7, 2021						
Zero Gage at Bottom Elevation	31.63		m. (MSL.) ,			River Bed	30.86	m. (MSL.)					
Left Bank Elevation		38.85		m. (MSL.) ,									
Right Bank Elevation		42.99		m. (MSL.) ,		Drainage Are	19,536	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	36.52	111.69	337.40	365.57	86.23	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	28.80	115.77	356.33	365.57	71.50	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	14.36	117.30	378.66	364.03	54.18	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	7.30	117.81	394.83	360.95	38.54	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	6.10	119.34	414.16	357.10	30.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	5.44	114.24	429.96	353.25	28.56	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.18	4.72	99.68	437.86	348.65	29.28	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.62	4.40	92.80	437.86	343.40	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	1.06	4.00	104.63	432.33	337.40	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	1.35	3.60	144.00	425.22	329.90	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	1.50	3.36	158.46	419.69	320.90	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	1.78	3.04	169.70	419.69	311.27	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	1.90	2.80	172.10	414.16	301.05	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	1.96	2.50	163.10	407.15	289.40	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	4.40	2.20	169.70	399.45	276.10	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	5.12	2.56	178.70	391.75	262.80	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	7.10	14.53	182.90	385.59	249.86	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	7.90	41.15	195.04	379.43	236.94	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	34.56	52.80	203.10	375.58	223.68	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	43.56	62.56	213.02	370.96	211.78	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	45.16	64.12	219.84	366.34	200.62	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	45.16	57.38	225.00	366.34	191.94	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	47.40	40.57	229.62	371.73	182.90	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	48.04	32.88	236.94	367.88	170.30	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	51.76	32.60	247.14	364.03	164.90	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	54.87	34.56	257.34	360.95	159.02	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	48.68	34.56	270.50	357.10	148.40	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	46.44	31.76	285.90	356.33	128.23	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	44.52	36.80	304.70	359.41	106.61	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	43.56	70.27	322.40	362.49	93.24	0.00	0.00	0.00	0.00	
31		0.00		38.83	101.66		364.03		0.00	0.00		0.00	
Total	0												

WATER YEAR : 2021**YOM RIVER BASIN****Yom River at Ban Sam Ngam , Phichit (Y.17)**

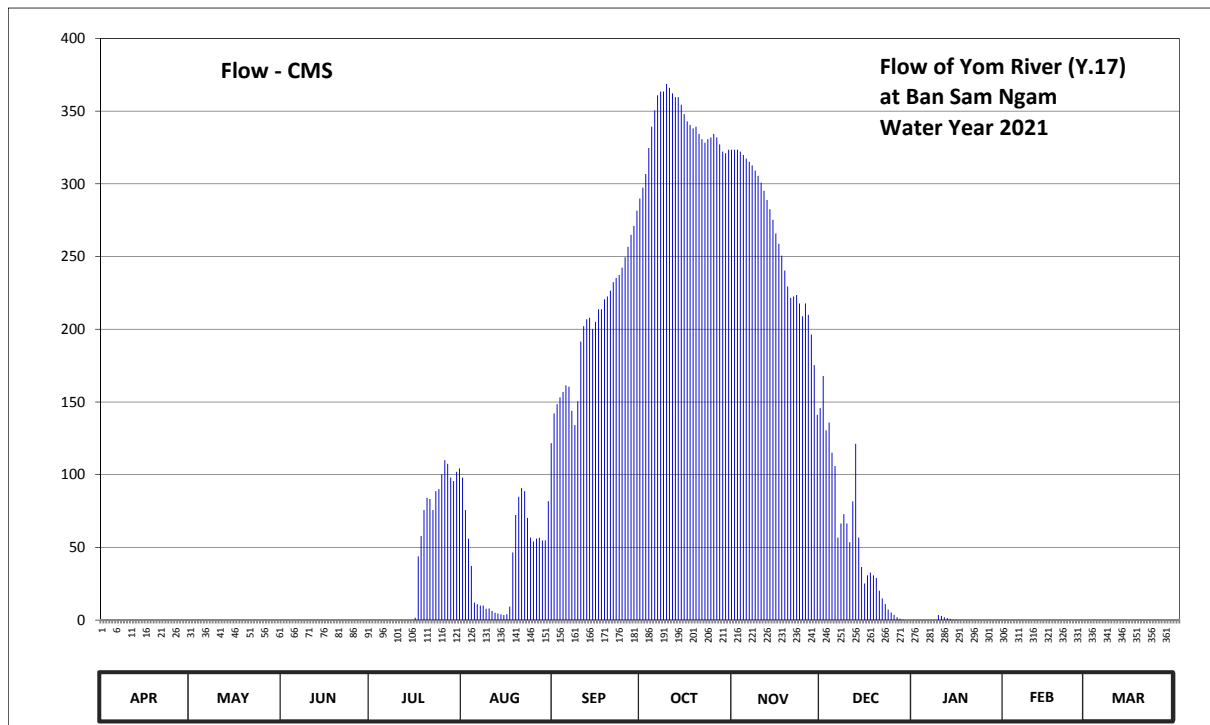
Lat 16 - 30 - 27 N Long 100 - 12 - 15 E

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	Staff gage		
Zero Gage at Bottom	+31.490 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 50 meters from Amphoe Sam Ngam Office.	Elevation	+41.843 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings		
Period of Available Gage Records	1967 to date		
Rating Operation			
Period of Rating	1967 , 1990 to date		
Rated by Float	-		
Rated by Current Meter	1967 , 1990 to date		
Stability of Channel Regimes	Rather unstable because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 15 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	31.29	31.29	31.29	31.54	34.69	35.21	36.79	37.01	35.49	33.73	30.49	30.49	
2	31.29	31.29	31.29	31.54	34.40	35.28	36.87	37.01	35.08	33.65	30.50	30.49	
3	31.29	31.29	31.29	31.54	34.10	35.33	37.02	37.00	35.14	33.54	30.50	30.49	
4	31.29	31.29	31.29	31.54	33.77	35.37	37.14	36.98	34.90	33.44	30.51	30.49	
5	31.29	31.29	31.29	31.54	33.22	35.42	37.23	36.96	34.79	33.32	30.52	30.49	
6	31.29	31.29	31.29	31.54	33.19	35.41	37.31	36.94	34.94	33.20	30.53	30.49	
7	31.29	31.29	31.29	31.54	33.16	35.23	37.33	36.92	34.97	33.07	30.53	30.49	
8	31.29	31.29	31.29	31.54	33.16	35.12	37.33	36.89	34.99	32.95	30.54	30.49	
9	31.29	31.29	31.29	31.54	33.09	35.30	37.37	36.86	34.97	32.82	30.54	30.49	
10	31.29	31.29	31.29	31.54	33.10	35.74	37.35	36.82	34.93	32.70	30.55	30.49	
11	31.29	31.29	31.29	31.54	33.03	35.85	37.32	36.77	35.01	32.56	30.55	30.49	
12	31.29	31.29	31.29	31.54	32.97	35.90	37.30	36.71	35.08	32.42	30.55	30.49	
13	31.29	31.29	31.29	31.54	32.93	35.91	37.30	36.65	34.94	32.26	30.56	30.49	
14	31.29	31.29	31.29	31.54	32.88	35.83	37.26	36.58	34.86	32.04	30.56	30.49	
15	31.29	31.29	31.29	31.54	32.81	35.88	37.21	36.49	34.80	32.00	30.56	30.49	
16	31.29	31.29	31.29	32.48	32.89	35.97	37.17	36.42	34.83	31.88	30.57	30.49	
17	31.29	31.29	31.29	33.89	33.14	35.97	37.15	36.34	34.84	31.73	30.58	30.49	
18	31.29	31.29	31.29	34.13	33.94	36.04	37.13	36.24	34.83	31.50	30.58	30.49	
19	31.29	31.29	31.29	34.40	34.35	36.06	37.14	36.13	34.82	31.28	30.58	30.49	
20	31.29	31.29	31.29	34.51	34.52	36.10	37.10	36.05	34.74	31.15	30.58	30.49	
21	31.29	31.29	31.29	34.50	34.60	36.16	37.07	36.06	34.66	30.96	30.59	30.49	
22	31.29	31.29	31.29	34.40	34.57	36.19	37.05	36.07	34.58	30.73	30.59	30.49	
23	31.29	31.29	31.29	34.57	34.32	36.21	37.07	36.01	34.49	30.45	30.59	30.49	
24	31.29	31.29	31.29	34.59	34.11	36.26	37.08	35.92	34.42	30.36	30.59	30.49	
25	31.29	31.29	31.29	34.72	34.07	36.33	37.10	36.01	34.35	30.40	30.59	30.49	
26	31.29	31.29	31.29	34.84	34.10	36.40	37.08	35.93	34.26	30.42	30.58	30.49	
27	31.29	31.29	31.29	34.81	34.11	36.48	37.04	35.79	34.18	30.43	30.58	30.49	
28	31.29	31.29	31.29	34.69	34.08	36.54	37.00	35.57	34.09	30.45	30.58	30.49	
29	31.29	31.29	31.29	34.66	34.08	36.64	36.99	35.20	33.99	30.46		30.49	
30	31.29	31.29	31.29	34.74	34.48	36.72	37.01	35.25	33.89	30.47		30.49	
31		31.29		34.77	34.98		37.01		33.80	30.48		30.49	
Mean	31.29	31.29	31.29	33.03	33.77	35.90	37.14	36.39	34.70	31.83	30.56	30.49	
Max	31.29	31.29	31.29	34.84	34.98	36.72	37.37	37.01	35.49	33.73	30.59	30.49	37.37
Min	31.29	31.29	31.29	31.54	32.81	35.12	36.79	35.20	33.80	30.36	30.49	30.49	30.36
Annual Max Momentary Gage Height	37.38		m. (MSL.) ,			at 21.00 Hours , on Oct 8, 2021							
Zero Gage at Bottom Elevation	31.49		m. (MSL.) ,			River Bed 29.74	m. (MSL.)						
Left Bank Elevation	38.06		m. (MSL.) ,										
Right Bank Elevation	38.03		m. (MSL.) ,			Drainage Are 21,717	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	98.01	142.12	297.35	323.42	167.93	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	75.70	148.56	306.73	323.42	130.52	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	56.00	153.16	324.64	322.20	135.86	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	37.30	156.84	339.28	319.82	115.05	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	12.11	161.45	350.50	317.44	105.91	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	10.97	160.53	360.90	315.06	56.80	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	9.98	143.96	363.50	312.68	66.40	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	9.98	134.08	363.50	309.11	72.80	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	7.75	150.40	368.70	305.54	66.40	3.54	0.00	0.00	
10	0.00	0.00	0.00	0.00	8.00	191.54	366.10	300.78	53.60	2.80	0.00	0.00	
11	0.00	0.00	0.00	0.00	6.25	202.15	362.20	295.24	81.66	2.02	0.00	0.00	
12	0.00	0.00	0.00	0.00	5.08	207.00	359.60	288.91	121.28	1.39	0.00	0.00	
13	0.00	0.00	0.00	0.00	4.52	207.97	359.60	282.58	56.80	0.88	0.00	0.00	
14	0.00	0.00	0.00	0.00	3.96	200.21	354.40	275.24	36.48	0.28	0.00	0.00	
15	0.00	0.00	0.00	0.00	3.47	205.06	347.90	265.97	25.20	0.20	0.00	0.00	
16	0.00	0.00	0.00	1.66	4.03	213.79	342.94	258.76	30.84	0.00	0.00	0.00	
17	0.00	0.00	0.00	43.75	9.32	213.79	340.50	250.58	32.72	0.00	0.00	0.00	
18	0.00	0.00	0.00	57.86	46.50	220.62	338.06	240.38	30.84	0.00	0.00	0.00	
19	0.00	0.00	0.00	75.70	72.33	222.58	339.28	229.44	28.96	0.00	0.00	0.00	
20	0.00	0.00	0.00	84.06	84.82	226.50	334.40	221.60	20.28	0.00	0.00	0.00	
21	0.00	0.00	0.00	83.30	90.90	232.38	330.74	222.58	14.92	0.00	0.00	0.00	
22	0.00	0.00	0.00	75.70	88.62	235.32	328.30	223.56	10.94	0.00	0.00	0.00	
23	0.00	0.00	0.00	88.62	70.30	237.32	330.74	217.68	7.22	0.00	0.00	0.00	
24	0.00	0.00	0.00	90.14	56.62	242.42	331.96	208.94	5.26	0.00	0.00	0.00	
25	0.00	0.00	0.00	100.38	54.14	249.56	334.40	217.68	3.65	0.00	0.00	0.00	
26	0.00	0.00	0.00	110.04	56.00	256.70	331.96	209.91	2.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	107.54	56.62	264.94	327.08	196.34	0.94	0.00	0.00	0.00	
28	0.00	0.00	0.00	98.01	54.76	271.12	322.20	175.33	0.27	0.00	0.00	0.00	
29	0.00	0.00	0.00	95.64	54.76	281.52	321.01	141.20	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	101.96	81.78	289.96	323.42	145.80	0.00	0.00	0.00	0.00	
31	0.00	0.00	0.00	104.33	121.73		323.42		0.00	0.00	0.00	0.00	
Total	0.00	0.00	0.00	1318.69	1352.31	6223.55	10525.31	7717.19	1481.53	11.11	0.00	0.00	28629.69 CMSDAY
Mean	0.00	0.00	0.00	42.54	43.62	207.45	339.53	257.24	47.79	0.36	0.00	0.00	78.44 CMS
Max	0.00	0.00	0.00	110.04	121.73	289.96	368.70	323.42	167.93	3.54	0.00	0.00	368.70 CMS
Min	0.00	0.00	0.00	0.00	3.47	134.08	297.35	141.20	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	0.00	0.00	113.93	116.84	537.71	909.39	666.77	128.00	0.96	0.00	0.00	2473.61 MCM
Momentary Peak	370.00	CMS. at 37.38 m. (MSL.) at 21.00 Hours , on Oct 8, 2021											
Runoff Yield	3.61	Liters/Second/Square KM.		Momentary Peak Yield		17.04	Liters/Second/Square KM.						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.93	39.27	11.33	9.20	32.52	28.00	65.00	116.90	9.80	4.42	3.88	3.22		
2	0.86	26.40	7.75	13.97	27.60	63.00	98.00	75.80	9.20	4.42	3.22	2.90		
3	0.72	18.80	6.25	13.97	26.40	55.50	105.00	60.00	8.90	4.42	2.58	2.90		
4	0.65	20.40	5.32	15.04	36.96	42.56	104.30	50.00	8.90	4.42	2.58	2.74		
5	0.72	14.30	8.60	10.10	54.50	37.42	99.40	42.09	8.60	4.42	2.58	2.58		
6	0.93	8.90	13.31	10.70	48.00	31.26	70.00	36.50	8.30	4.24	2.74	2.42		
7	0.86	25.60	15.41	9.80	35.58	37.88	74.65	32.94	7.50	3.88	2.90	3.22		
8	1.55	27.60	13.97	15.78	28.00	46.50	56.50	29.60	6.75	3.70	2.90	6.25		
9	6.75	10.40	11.99	46.00	23.20	59.50	41.15	28.00	6.75	3.54	2.74	4.96		
10	5.14	7.75	19.60	60.00	20.00	65.50	36.50	26.40	6.75	3.38	2.74	3.70		
11	4.06	6.50	30.84	45.00	22.80	68.50	75.80	24.80	6.75	3.38	2.58	4.06		
12	3.38	5.50	14.30	36.96	21.60	50.50	110.60	24.00	6.50	3.38	2.42	3.88		
13	2.90	5.14	13.31	30.00	39.74	36.96	88.25	23.20	6.25	3.38	2.26	3.70		
14	3.38	5.32	41.62	21.60	82.13	36.96	63.00	22.00	6.00	3.38	2.10	2.90		
15	5.32	10.10	118.30	21.20	110.60	41.15	47.00	20.80	5.75	3.38	2.10	2.74		
16	4.96	5.32	194.95	21.60	87.60	38.80	41.15	19.60	6.00	3.22	2.26	2.58		
17	4.60	4.42	76.38	22.80	59.00	43.03	39.27	18.40	5.50	3.38	2.10	2.42		
18	14.30	4.60	46.00	23.60	55.00	43.50	36.50	17.26	4.96	3.38	2.10	5.32		
19	24.80	4.06	32.94	18.40	43.03	35.12	33.78	16.89	4.42	4.42	2.42	7.50		
20	11.99	3.70	24.80	36.96	93.45	32.94	29.20	15.78	4.60	5.14	2.74	8.90		
21	8.90	5.50	19.20	35.12	70.00	70.50	30.42	15.41	4.42	8.30	3.70	6.00		
22	7.50	4.96	15.78	24.40	55.00	61.50	121.10	15.04	4.42	10.70	4.60	4.78		
23	5.50	5.50	12.98	18.80	43.03	109.90	472.00	15.04	4.42	8.90	6.25	3.88		
24	4.78	4.60	11.33	16.89	32.10	76.95	351.00	14.30	4.60	7.50	5.14	4.78		
25	4.42	7.00	11.00	24.00	111.30	60.50	142.60	14.30	4.42	6.25	4.24	4.24		
26	4.24	17.63	10.10	51.00	97.35	57.50	79.25	13.64	4.42	5.50	3.88	4.24		
27	6.50	16.15	8.90	36.96	53.50	62.50	59.50	13.31	4.60	5.32	3.54	4.42		
28	7.25	15.78	8.00	53.50	43.03	145.00	50.00	11.99	4.60	4.78	3.22	4.24		
29	8.90	39.74	10.40	38.34	36.04	92.15	51.50	11.66	4.78	4.42		10.40		
30	20.00	20.00	11.00	30.00	31.26	80.40	47.00	11.00	4.60	4.42		58.00		
3														

WATER YEAR : 2021**YOM RIVER BASIN****Yom River at Ban Na Pla Kang , Sukhothai (Y.21)**

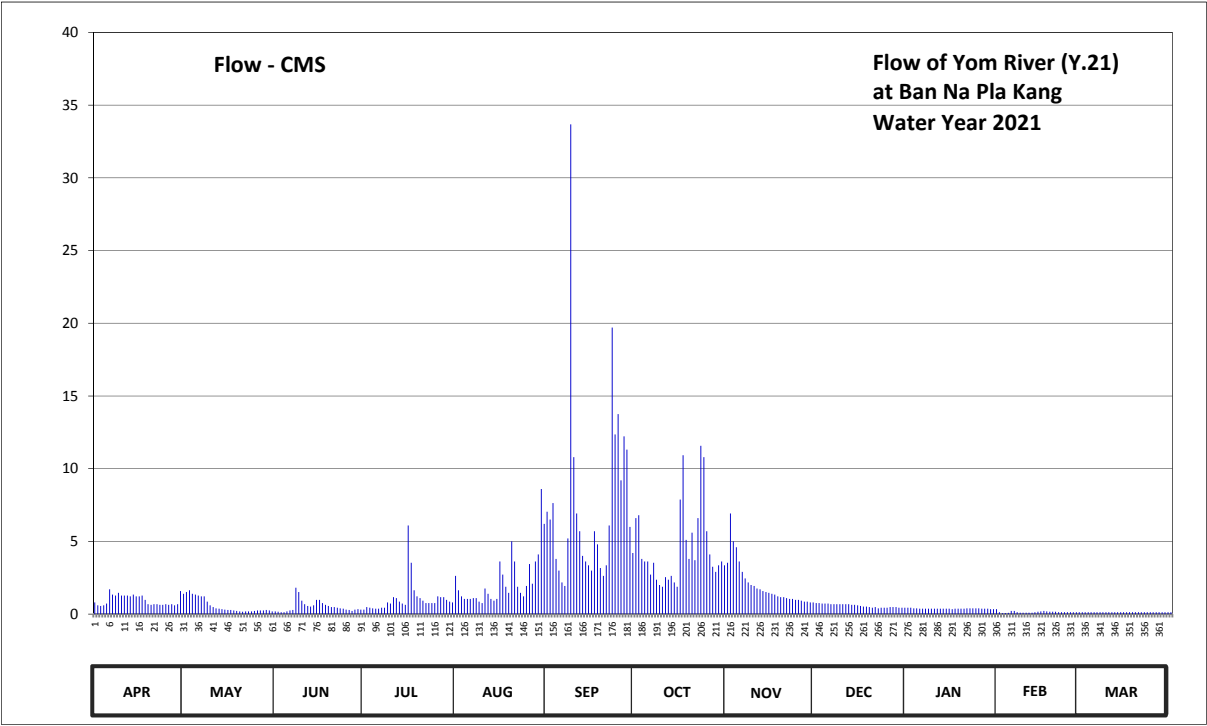
Lat 17 - 47 - 32 N Long 99 - 47 - 13 E

Location : on right bank at Ban Na Pla Kang.

	Ban	Na Pla Kang	Amphoe	Si Satchanalai	Changwat	Sukhothai
Drainage Area	309	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+114.456 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+121.709 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	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 5 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	114.80	114.90	114.63	114.67	115.07	115.52	115.48	115.17	114.79	114.71	114.61	114.61	
2	114.75	114.92	114.62	114.72	114.94	115.47	115.50	115.51	114.79	114.71	114.57	114.61	
3	114.74	114.94	114.61	114.71	114.87	115.57	115.20	115.32	114.78	114.70	114.58	114.61	
4	114.75	114.90	114.61	114.70	114.84	115.20	115.18	115.28	114.78	114.70	114.59	114.61	
5	114.78	114.89	114.63	114.69	114.84	115.11	115.18	115.18	114.78	114.69	114.64	114.61	
6	114.95	114.88	114.65	114.69	114.84	115.02	115.08	115.10	114.77	114.69	114.64	114.61	
7	114.89	114.87	114.66	114.71	114.85	114.99	115.17	115.05	114.77	114.69	114.61	114.61	
8	114.88	114.87	114.97	114.71	114.85	115.34	115.04	115.02	114.77	114.69	114.60	114.61	
9	114.91	114.81	114.92	114.80	114.81	116.92	115.00	115.00	114.77	114.69	114.60	114.61	
10	114.88	114.75	114.82	114.78	114.79	115.83	114.98	114.99	114.77	114.69	114.60	114.61	
11	114.88	114.72	114.77	114.86	114.96	115.51	115.06	114.96	114.77	114.69	114.60	114.61	
12	114.88	114.70	114.74	114.85	114.90	115.39	115.04	114.95	114.77	114.69	114.60	114.61	
13	114.87	114.69	114.73	114.81	114.84	115.22	115.07	114.93	114.76	114.69	114.61	114.61	
14	114.89	114.68	114.75	114.78	114.82	115.18	115.02	114.92	114.76	114.69	114.62	114.61	
15	114.87	114.67	114.83	114.76	114.84	115.15	114.98	114.91	114.75	114.69	114.63	114.61	
16	114.87	114.66	114.83	115.43	115.18	115.11	115.59	114.90	114.74	114.68	114.64	114.61	
17	114.88	114.66	114.79	115.17	115.08	115.39	115.84	114.89	114.73	114.69	114.63	114.61	
18	114.83	114.65	114.76	114.94	114.98	115.30	115.33	114.87	114.73	114.69	114.62	114.61	
19	114.77	114.64	114.74	114.87	114.91	115.13	115.20	114.86	114.72	114.69	114.62	114.61	
20	114.76	114.63	114.72	114.85	115.32	115.07	115.38	114.86	114.71	114.69	114.62	114.61	
21	114.77	114.62	114.72	114.82	115.18	115.15	115.19	114.85	114.72	114.70	114.61	114.61	
22	114.77	114.63	114.71	114.79	114.98	115.43	115.48	114.84	114.70	114.70	114.61	114.61	
23	114.76	114.63	114.70	114.79	114.91	116.40	115.89	114.84	114.71	114.70	114.61	114.61	
24	114.76	114.63	114.69	114.79	114.87	115.95	115.83	114.83	114.71	114.70	114.61	114.61	
25	114.77	114.64	114.67	114.79	114.99	116.05	115.39	114.83	114.71	114.70	114.61	114.61	
26	114.76	114.65	114.66	114.87	115.16	115.70	115.23	114.82	114.72	114.69	114.61	114.61	
27	114.77	114.65	114.64	114.86	115.01	115.94	115.14	114.81	114.72	114.69	114.61	114.61	
28	114.75	114.65	114.67	114.86	115.18	115.87	115.10	114.81	114.72	114.69	114.61	114.61	
29	114.77	114.66	114.68	114.83	115.23	115.42	115.15	114.80	114.71	114.68		114.61	
30	114.93	114.65	114.67	114.81	115.65	115.24	115.18	114.80	114.71	114.68		114.61	
31		114.63		114.80	115.44		115.15		114.71	114.68		114.61	
Mean	114.82	114.72	114.72	114.82	115.00	115.49	115.26	114.96	114.74	114.69	114.61	114.61	
Max	114.95	114.94	114.97	115.43	115.65	116.92	115.89	115.51	114.79	114.71	114.64	114.61	116.92
Min	114.74	114.62	114.61	114.67	114.79	114.99	114.98	114.80	114.70	114.68	114.57	114.61	114.57
Annual Max Momentary Gage Height	118.44		m. (MSL.) ,			at 08.00 Hours ,	on Sep 9, 2021						
Zero Gage at Bottom Elevation	114.46		m. (MSL.) ,			River Bed	113.63	m. (MSL.)					
Left Bank Elevation		121.71		m. (MSL.) ,									
Right Bank Elevation		121.65		m. (MSL.) ,		Drainage Are	309	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.80	1.40	0.19	0.31	2.63	7.04	6.60	3.53	0.76	0.44	0.13	0.13		
2	0.60	1.52	0.16	0.48	1.64	6.50	6.80	6.92	0.76	0.44	0.07	0.13		
3	0.56	1.64	0.13	0.44	1.22	7.64	3.80	5.00	0.72	0.40	0.08	0.13		
4	0.60	1.40	0.13	0.40	1.04	3.80	3.62	4.60	0.72	0.40	0.09	0.13		
5	0.72	1.34	0.19	0.37	1.04	2.99	3.62	3.62	0.72	0.37	0.22	0.13		
6	1.70	1.28	0.25	0.37	1.04	2.18	2.72	2.90	0.68	0.37	0.22	0.13		
7	1.34	1.22	0.28	0.44	1.10	1.94	3.53	2.45	0.68	0.37	0.13	0.13		
8	1.28	1.22	1.82	0.44	1.10	5.20	2.36	2.18	0.68	0.37	0.10	0.13		
9	1.46	0.86	1.52	0.80	0.86	33.68	2.00	2.00	0.68	0.37	0.10	0.13		
10	1.28	0.60	0.92	0.72	0.76	10.79	1.88	1.94	0.68	0.37	0.10	0.13		
11	1.28	0.48	0.68	1.16	1.76	6.92	2.54	1.76	0.68	0.37	0.10	0.13		
12	1.28	0.40	0.56	1.10	1.40	5.70	2.36	1.70	0.68	0.37	0.10	0.13		
13	1.22	0.37	0.52	0.86	1.04	4.00	2.63	1.58	0.64	0.37	0.13	0.13		
14	1.34	0.34	0.60	0.72	0.92	3.62	2.18	1.52	0.64	0.37	0.16	0.13		
15	1.22	0.31	0.98	0.64	1.04	3.35	1.88	1.46	0.60	0.37	0.19	0.13		
16	1.22	0.28	0.98	6.10	3.62	2.99	7.88	1.40	0.56	0.34	0.22	0.13		
17	1.28	0.28	0.76	3.53	2.72	5.70	10.92	1.34	0.52	0.37	0.19	0.13		
18	0.98	0.25	0.64	1.64	1.88	4.80	5.10	1.22	0.52	0.37	0.16	0.13		
19	0.68	0.22	0.56	1.22	1.46	3.17	3.80	1.16	0.48	0.37	0.16	0.13		
20	0.64	0.19	0.48	1.10	5.00	2.63	5.60	1.16	0.44	0.37	0.16	0.13		
21	0.68	0.16	0.48	0.92	3.62	3.35	3.71	1.10	0.48	0.40	0.13	0.13		
22	0.68	0.19	0.44	0.76	1.88	6.10	6.60	1.04	0.40	0.40	0.13	0.13		
23	0.64	0.19	0.40	0.76	1.46	19.70	11.57	1.04	0.44	0.40	0.13	0.13		
24	0.64	0.19	0.37	0.76	1.22	12.35	10.79	0.98	0.44	0.40	0.13	0.13		
25	0.68	0.22	0.31	0.76	1.94	13.75	5.70	0.98	0.44	0.40	0.13	0.13		
26	0.64	0.25	0.28	1.22	3.44	9.20	4.10	0.92	0.48	0.37	0.13	0.13		
27	0.68	0.25	0.22	1.16	2.09	12.22	3.26	0.86	0.48	0.37	0.13	0.13		
28	0.60	0.25	0.31	1.16	3.62	11.31	2.90	0.86	0.48	0.37	0.13	0.13		
29	0.68	0.28	0.34	0.98	4.10	6.00	3.35	0.80	0.44	0.34		0.13		
30	1.58	0.25	0.31	0.86	8.60	4.20	3.62	0.80	0.44	0.34		0.13		
31		0.19		0.80	6.20		3.35		0.44	0.34		0.13		
Total	28.98	18.02	15.81	32.98	71.44	222.82	140.77	58.82	17.80	11.70	3.85	4.03	627.02	CMSDAY
Mean	0.97	0.58	0.53	1.06	2.30	7.43	4.54	1.96	0.57	0.38	0.14	0.13	1.72	CMS
Max	1.70	1.64	1.82	6.10	8.60	33.68	11.57	6.92	0.76	0.44	0.22	0.13	33.68	CMS
Min	0.56	0.16	0.13	0.31	0.76	1.94	1.88	0.80	0.40	0.34	0.07	0.13	0.07	CMS
Runoff	2.50	1.56	1.37	2.85	6.17	19.25	12.16	5.08	1.54	1.01	0.33	0.35	54.17	MCM
Momentary Peak	106.44 CMS. at 118.44 m. (MSL.) at 08.00 Hours , on Sep 9, 2021													
Runoff Yield	5.56 Liters/Second/Square KM.					Momentary Peak Yield 344.47 Liters/Second/Square KM.								

WATER YEAR : 2021**YOM RIVER BASIN****Nam Pi at Ban Mang , Phayao (Y.24)**

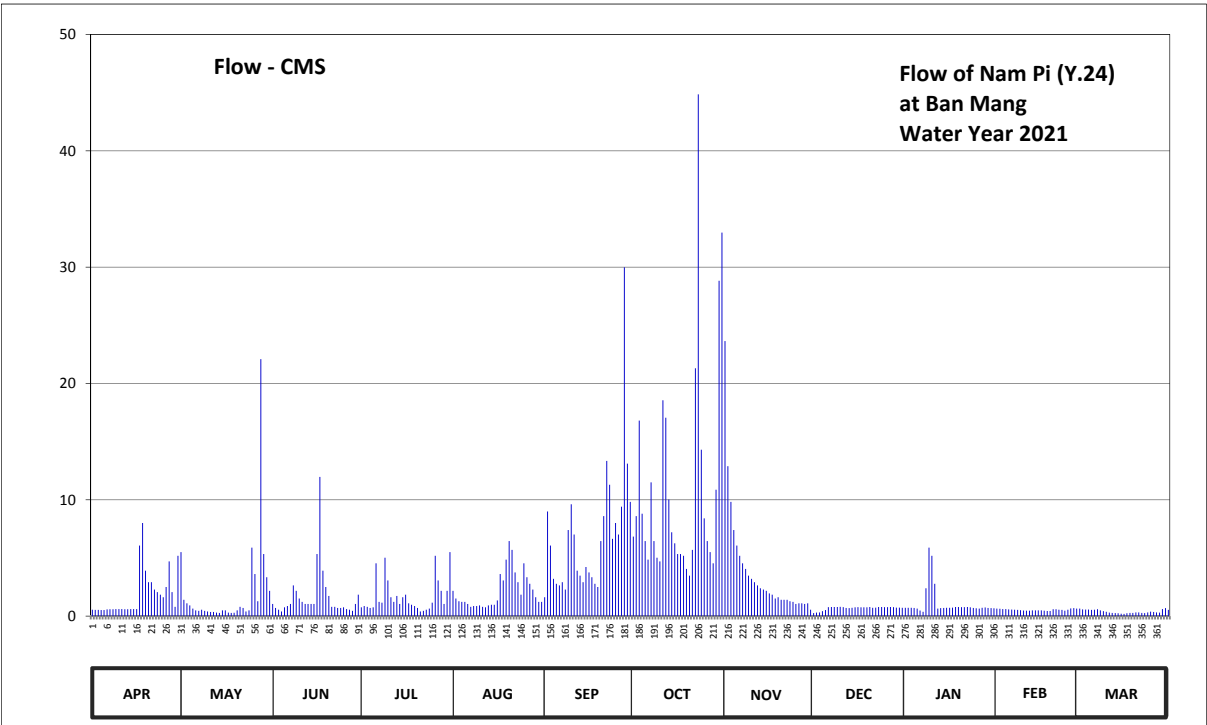
Lat 18 - 52 - 55 N Long 100 - 16 - 58 E

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

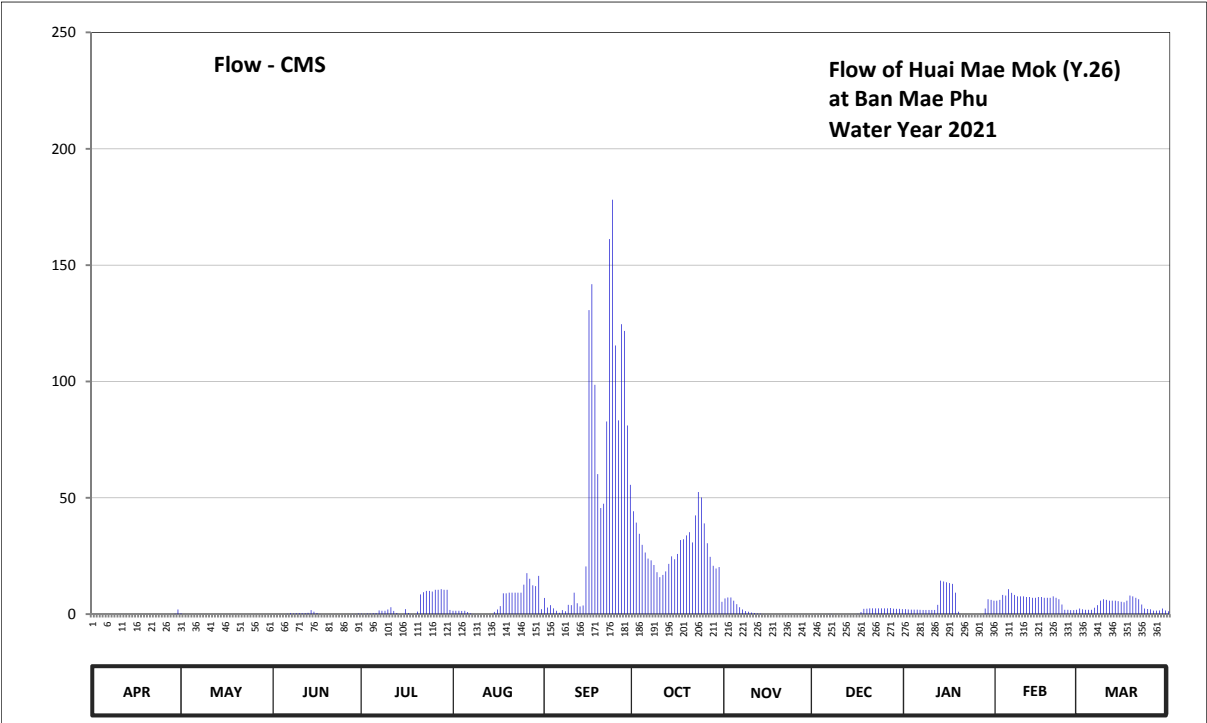
	Ban Mang	Amphoe Chiang Muan	Changwat Phayao
Drainage Area	621 sq.km.		
Type of Gage	Water - stage recorder.		
Zero Gage at Bottom	+257.765 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On right bank at the abutment of the bridge.	Elevation	+264.800 m. (MSL.)
Gage Reading Frequency	Recording		
Basis 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 33 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	259.15	259.30	258.94	258.89	259.07	259.02	259.37	260.09	258.86	259.31	259.25	259.24	
2	259.14	259.00	258.88	258.91	259.01	259.48	259.46	259.66	258.90	259.31	259.23	259.17	
3	259.13	258.95	258.85	258.90	258.98	259.33	259.82	259.52	258.91	259.31	259.21	259.16	
4	259.12	258.92	258.82	258.88	258.97	259.15	259.47	259.40	259.02	259.30	259.20	259.16	
5	259.12	258.87	258.89	258.89	258.97	259.12	259.35	259.33	259.12	259.24	259.18	259.14	
6	259.18	258.84	258.91	259.24	258.94	259.11	259.26	259.28	259.37	259.08	259.16	259.15	
7	259.19	258.83	258.94	258.97	258.90	259.13	259.60	259.24	259.38	258.97	259.15	259.19	
8	259.19	258.85	259.11	258.96	258.91	259.08	259.35	259.21	259.38	259.09	259.13	259.09	
9	259.20	258.83	259.07	259.27	258.91	259.40	259.27	259.17	259.38	259.32	259.11	259.02	
10	259.20	258.82	259.01	259.14	258.92	259.51	259.25	259.15	259.39	259.28	259.08	258.97	
11	259.20	258.81	258.97	259.02	258.90	259.38	259.89	259.13	259.37	259.12	259.06	258.90	
12	259.19	258.81	258.94	258.97	258.89	259.20	259.83	259.11	259.30	259.24	259.07	258.87	
13	259.19	258.80	258.94	259.03	258.92	259.17	259.53	259.09	259.29	259.29	259.09	258.86	
14	259.20	258.78	258.94	258.94	258.93	259.13	259.39	259.08	259.32	259.30	259.10	258.84	
15	259.20	258.84	258.94	259.02	258.93	259.22	259.34	259.07	259.35	259.31	259.10	258.79	
16	259.21	258.84	259.29	259.04	258.99	259.19	259.29	259.05	259.37	259.32	259.09	258.78	
17	259.33	258.80	259.62	258.95	259.18	259.16	259.29	259.04	259.36	259.33	259.07	258.85	
18	259.43	258.78	259.20	258.93	259.14	259.12	259.28	259.01	259.35	259.38	259.04	258.88	
19	259.20	258.79	259.10	258.91	259.26	259.10	259.21	259.02	259.36	259.38	259.04	258.88	
20	259.13	258.84	259.03	258.88	259.35	259.35	259.17	259.00	259.38	259.37	259.19	258.91	
21	259.13	258.90	258.90	258.82	259.31	259.46	259.31	259.00	259.31	259.37	259.19	258.91	
22	259.08	258.88	258.90	258.83	259.19	259.68	260.00	259.00	259.33	259.38	259.15	258.88	
23	259.06	258.82	258.88	258.85	259.13	259.59	260.73	258.98	259.38	259.36	259.13	258.86	
24	259.04	258.84	258.88	258.87	259.04	259.36	259.72	258.97	259.38	259.30	259.07	258.92	
25	259.02	259.32	258.89	258.96	259.24	259.43	259.45	258.94	259.37	259.27	259.15	258.99	
26	259.10	259.18	258.86	259.28	259.16	259.38	259.35	258.95	259.37	259.25	259.26	258.95	
27	259.25	258.98	258.85	259.14	259.12	259.50	259.30	258.95	259.38	259.31	259.28	258.91	
28	259.06	260.03	258.83	259.07	259.08	260.32	259.24	258.94	259.37	259.34	259.24	258.90	
29	258.90	259.29	258.94	258.94	259.02	259.67	259.57	258.95	259.33	259.30		259.21	
30	259.28	259.16	259.04	259.07	258.97	259.52	260.28	258.85	259.33	259.29		259.28	
31		259.07		259.30	258.97		260.42		259.32	259.27		259.14	
Mean	259.16	258.96	258.98	259.00	259.04	259.34	259.54	259.14	259.29	259.28	259.14	258.99	
Max	259.43	260.03	259.62	259.30	259.35	260.32	260.73	260.09	259.39	259.38	259.28	259.28	260.73
Min	258.90	258.78	258.82	258.82	258.89	259.02	259.17	258.85	258.86	258.97	259.04	258.78	258.78
Annual Max Momentary Gage Height	261.96		m. (MSL.) ,				at 04.00 Hours , on Oct 23, 2021						
Zero Gage at Bottom Elevation	257.76		m. (MSL.) ,			River Bed	255.86	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, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.55	5.50	1.04	0.75	2.17	1.62	6.83	23.64	0.26	0.71	0.65	0.64	
2	0.54	1.40	0.70	0.86	1.51	9.00	8.60	12.88	0.30	0.71	0.63	0.57	
3	0.53	1.10	0.55	0.80	1.28	6.07	16.80	9.82	0.31	0.71	0.61	0.56	
4	0.52	0.92	0.40	0.70	1.22	3.20	8.80	7.40	0.42	0.70	0.60	0.56	
5	0.52	0.65	0.75	0.75	1.22	2.78	6.45	6.07	0.52	0.64	0.58	0.54	
6	0.58	0.50	0.86	4.54	1.04	2.64	4.86	5.18	0.77	0.48	0.56	0.55	
7	0.59	0.45	1.04	1.22	0.80	2.92	11.50	4.54	0.78	0.37	0.55	0.59	
8	0.59	0.55	2.64	1.16	0.86	2.28	6.45	4.06	0.78	2.39	0.53	0.49	
9	0.60	0.45	2.17	5.02	0.86	7.40	5.02	3.48	0.78	5.88	0.51	0.42	
10	0.60	0.40	1.51	3.06	0.92	9.61	4.70	3.20	0.79	5.18	0.48	0.37	
11	0.60	0.35	1.22	1.62	0.80	7.02	18.55	2.92	0.77	2.78	0.46	0.30	
12	0.59	0.35	1.04	1.22	0.75	3.90	17.05	2.64	0.70	0.64	0.47	0.27	
13	0.59	0.30	1.04	1.73	0.92	3.48	10.03	2.39	0.69	0.69	0.49	0.26	
14	0.60	0.27	1.04	1.04	0.98	2.92	7.21	2.28	0.72	0.70	0.50	0.24	
15	0.60	0.50	1.04	1.62	0.98	4.22	6.26	2.17	0.75	0.71	0.50	0.20	
16	0.61	0.50	5.34	1.84	1.34	3.76	5.34	1.95	0.77	0.72	0.49	0.19	
17	6.07	0.30	11.96	1.10	3.62	3.34	5.34	1.84	0.76	0.73	0.47	0.25	
18	8.00	0.27	3.90	0.98	3.06	2.78	5.18	1.51	0.75	0.78	0.44	0.28	
19	3.90	0.29	2.50	0.86	4.86	2.50	4.06	1.62	0.76	0.78	0.44	0.28	
20	2.92	0.50	1.73	0.70	6.45	6.45	3.48	1.40	0.78	0.77	0.59	0.31	
21	2.92	0.80	0.80	0.40	5.69	8.60	5.69	1.40	0.71	0.77	0.59	0.31	
22	2.28	0.70	0.80	0.45	3.76	13.34	21.30	1.40	0.73	0.78	0.55	0.28	
23	2.06	0.40	0.70	0.55	2.92	11.29	44.85	1.28	0.78	0.76	0.53	0.26	
24	1.84	0.50	0.70	0.65	1.84	6.64	14.30	1.22	0.78	0.70	0.47	0.32	
25	1.62	5.88	0.75	1.16	4.54	8.00	8.40	1.04	0.77	0.67	0.55	0.39	
26	2.50	3.62	0.60	5.18	3.34	7.02	6.45	1.10	0.77	0.65	0.66	0.35	
27	4.70	1.28	0.55	3.06	2.78	9.40	5.50	1.10	0.78	0.71	0.68	0.31	
28	2.06	22.08	0.45	2.17	2.28	29.98	4.54	1.04	0.77	0.74	0.64	0.30	
29	0.80	5.34	1.04	1.04	1.62	13.11	10.87	1.10	0.73	0.70		0.61	
30	5.18	3.34	1.84	2.17	1.22	9.82	28.82	0.55	0.73	0.69		0.68	
31		2.17		5.50	1.22		32.97		0.72	0.67		0.54	
Total	56.06	61.66	50.70	53.90	66.85	205.09	346.20	112.22	21.43	34.91	15.22	12.22	1036.46 CMSDAY
Mean	1.87	1.99	1.69	1.74	2.16	6.84	11.17	3.74	0.69	1.13	0.54	0.39	2.84 CMS
Max	8.00	22.08	11.96	5.50	6.45	29.98	44.85	23.64	0.79	5.88	0.68	0.68	44.85 CMS
Min	0.52	0.27	0.40	0.40	0.75	1.62	3.48	0.55	0.26	0.37	0.44	0.19	0.19 CMS
Runoff	4.84	5.33	4.38	4.66	5.78	17.72	29.91	9.70	1.85	3.02	1.32	1.06	89.55 MCM
Momentary Peak	105.60 CMS. at 261.96 m. (MSL.) at 04.00 Hours , on Oct 23, 2021												
Runoff Yield	4.57	Liters/Second/Square KM.			Momentary Peak Yield			170.05	Liters/Second/Square KM.				



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.34	0.00	0.18	1.44	6.94	44.20	6.73	0.00	2.12	5.80	2.38		
2	0.00	0.00	0.00	0.15	1.44	2.84	39.30	7.15	0.00	2.00	6.11	2.04		
3	0.00	0.00	0.00	0.24	1.44	3.85	34.52	7.15	0.00	1.92	8.25	1.87		
4	0.00	0.00	0.00	0.27	1.36	2.48	29.80	5.78	0.00	1.92	7.94	1.87		
5	0.00	0.00	0.00	0.42	1.44	1.44	26.44	4.24	0.00	1.92	10.70	1.87		
6	0.00	0.00	0.12	0.46	0.90	0.54	23.85	2.96	0.03	1.84	9.17	2.72		
7	0.00	0.00	0.42	1.60	0.34	1.68	23.10	2.00	0.03	1.76	8.25	3.88		
8	0.00	0.00	0.30	1.44	0.03	1.20	21.10	1.28	0.00	1.76	7.64	5.80		
9	0.00	0.00	0.38	1.44	0.00	3.98	18.04	1.00	0.00	1.76	7.64	6.41		
10	0.00	0.00	0.42	2.00	0.00	3.85	15.90	0.70	0.00	1.76	7.64	6.11		
11	0.00	0.00	0.42	2.96	0.00	9.20	16.82	0.46	0.00	1.76	7.33	5.80		
12	0.00	0.00	0.42	1.36	0.00	4.66	18.35	0.30	0.00	3.98	7.33	5.80		
13	0.00	0.00	0.54	0.46	0.00	3.33	21.60	0.18	0.00	14.40	7.02	5.80		
14	0.00	0.00	1.68	0.09	0.00	3.72	24.85	0.06	0.00	14.00	7.02	5.56		
15	0.00	0.00	1.05	0.03	0.95	20.49	23.60	0.00	0.00	13.67	7.33	5.32		
16	0.00	0.00	0.46	2.12	2.00	130.66	25.85	0.00	0.15	13.34	7.33	5.08		
17	0.00	0.00	0.09	0.50	3.46	141.77	31.82	0.00	0.90	13.01	7.02	5.80		
18	0.00	0.00	0.00	0.09	8.95	98.55	32.16	0.00	2.24	9.20	7.02	7.94		
19	0.00	0.00	0.00	0.00	8.95	60.16	33.84	0.00	2.36	1.00	7.02	7.64		
20	0.00	0.00	0.00	1.10	9.20	45.60	35.19	0.00	2.48	0.00	7.64	7.02		
21	0.00	0.00	0.00	8.45	9.20	47.46	30.81	0.00	2.48	0.00	7.02	6.41		
22	0.00	0.00	0.00	9.45	9.20	82.80	42.45	0.00	2.48	0.00	6.41	4.12		
23	0.00	0.00	0.00	9.95	9.20	161.20	52.46	0.00	2.48	0.00	4.12	2.38		
24	0.00	0.00	0.00	9.95	9.20	178.12	50.15	0.00	2.48	0.00	1.87	2.21		
25	0.00	0.00	0.00	9.70	12.68	115.48	38.99	0.00	2.48	0.00	1.87	2.04		
26	0.00	0.00	0.00	10.45	17.60	83.24	30.48	0.00	2.48	0.00	1.70	1.50		
27	0.00	0.00	0.00	10.45	15.20	124.60	24.60	0.00	2.60	0.00	1.70	1.50		
28	0.00	0.00	0.03	10.70	12.35	121.72	20.79	0.00	2.36	2.38	1.87	1.60		
29	0.18	0.00	0.06	10.45	12.02	81.04	19.57	0.00	2.24	6.41		2.38		
30	2.00	0.00	0.24	10.45	16.40	55.54	20.18	0.00	2.24	6.11		1.60		
31		0.00		1.76	2.12		5.30		2.12	5.80		1.20		
Total	2.18	0.34	6.63	118.67	167.07	1598.14	876.11	39.99	34.63	123.82	177.76	123.65	3268.99	CMSDAY
Mean	0.07	0.01	0.22	3.83	5.39	53.27	28.26	1.33	1.12	3.99	6.35	3.99	8.96	CMS
Max	2.00	0.34	1.68	10.70	17.60	178.12	52.46	7.15	2.60	14.40	10.70	7.94	178.12	CMS
Min	0.00	0.00	0.00	0.00	0.00	0.54	5.30	0.00	0.00	0.00	1.70	1.20	0.00	CMS
Runoff	0.19	0.03	0.57	10.25	14.43	138.08	75.70	3.46	2.99	10.70	15.36	10.68	282.44	MCM
Momentary Peak	199.90 CMS. at 105.93 m. (MSL.) at 04.00 Hours , on Sep 24, 2021													
Runoff Yield	11.39 Liters/Second/Square KM.				Momentary Peak Yield 254.33				Liters/Second/Square KM.					

WATER YEAR : 2021**Yom RIVER BASIN****Huai Mae Hu at Ban Mae Hu , Sukhothai (Y.29)**

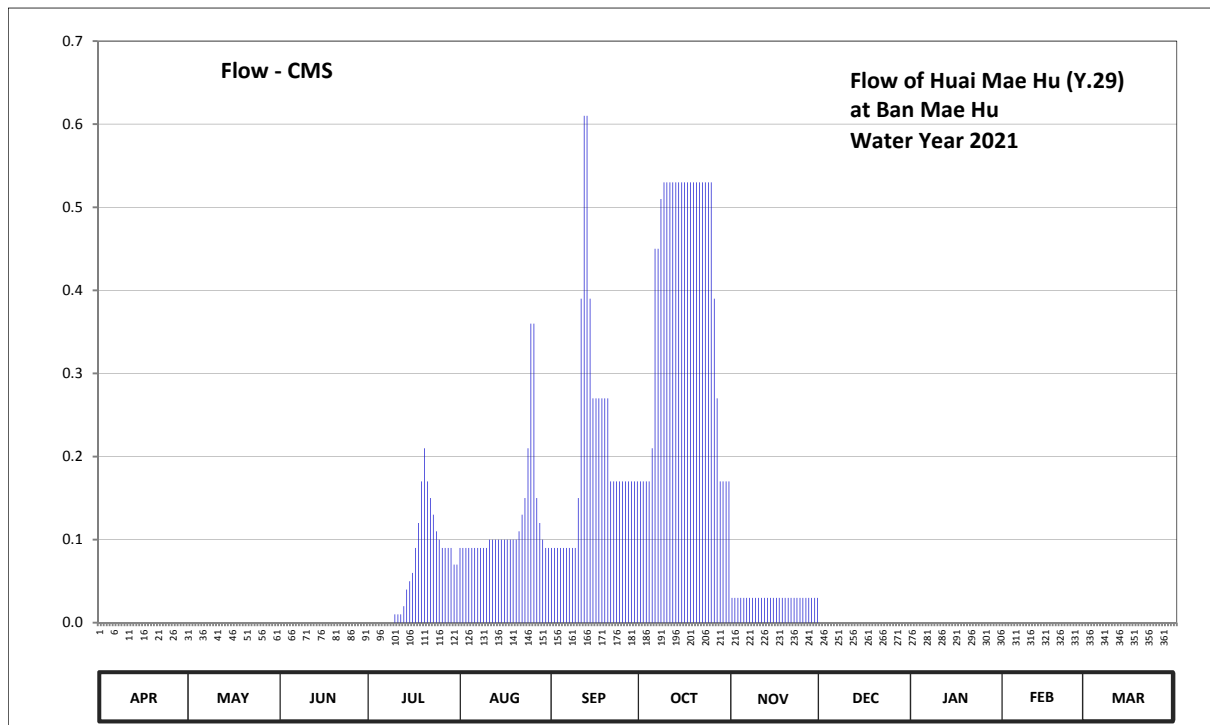
Lat 17 - 42 - 16 N Long 99 - 44 - 16 E

Location : on left bank at Ban Mae Hu.

	Ban	Mae Hu	Amphoe	Si Satchanalai	Changwat	Sukhothai
Drainage 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 3 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	93.45	93.45	93.45	93.50	93.65	93.65	93.75	93.55	93.45	93.45	93.45	93.45	
2	93.45	93.45	93.45	93.50	93.65	93.65	93.75	93.55	93.45	93.45	93.45	93.45	
3	93.45	93.45	93.45	93.50	93.65	93.65	93.75	93.55	93.45	93.45	93.45	93.45	
4	93.45	93.45	93.45	93.50	93.65	93.65	93.75	93.55	93.45	93.45	93.45	93.45	
5	93.45	93.45	93.45	93.50	93.65	93.65	93.80	93.55	93.45	93.45	93.45	93.45	
6	93.45	93.45	93.45	93.50	93.65	93.65	94.00	93.55	93.45	93.45	93.45	93.45	
7	93.45	93.45	93.45	93.50	93.65	93.65	94.00	93.55	93.45	93.45	93.45	93.45	
8	93.45	93.45	93.45	93.50	93.65	93.65	94.04	93.55	93.45	93.45	93.45	93.45	
9	93.45	93.45	93.45	93.50	93.65	93.65	94.05	93.55	93.45	93.45	93.45	93.45	
10	93.45	93.45	93.45	93.51	93.65	93.73	94.05	93.55	93.45	93.45	93.45	93.45	
11	93.45	93.45	93.45	93.51	93.67	93.95	94.05	93.55	93.45	93.45	93.45	93.45	
12	93.45	93.45	93.45	93.52	93.67	94.10	94.05	93.55	93.45	93.45	93.45	93.45	
13	93.45	93.45	93.45	93.54	93.67	94.10	94.05	93.55	93.45	93.45	93.45	93.45	
14	93.45	93.45	93.45	93.57	93.67	93.95	94.05	93.55	93.45	93.45	93.45	93.45	
15	93.45	93.45	93.45	93.59	93.67	93.85	94.05	93.55	93.45	93.45	93.45	93.45	
16	93.45	93.45	93.45	93.61	93.67	93.85	94.05	93.55	93.45	93.45	93.45	93.45	
17	93.45	93.45	93.45	93.65	93.67	93.85	94.05	93.55	93.45	93.45	93.45	93.45	
18	93.45	93.45	93.45	93.70	93.67	93.85	94.05	93.55	93.45	93.45	93.45	93.45	
19	93.45	93.45	93.45	93.75	93.67	93.85	94.05	93.55	93.45	93.45	93.45	93.45	
20	93.45	93.45	93.45	93.80	93.67	93.85	94.05	93.55	93.45	93.45	93.45	93.45	
21	93.45	93.45	93.45	93.75	93.69	93.75	94.05	93.55	93.45	93.45	93.45	93.45	
22	93.45	93.45	93.45	93.73	93.71	93.75	94.05	93.55	93.45	93.45	93.45	93.45	
23	93.45	93.45	93.45	93.71	93.73	93.75	94.05	93.55	93.45	93.45	93.45	93.45	
24	93.45	93.45	93.45	93.69	93.80	93.75	94.05	93.55	93.45	93.45	93.45	93.45	
25	93.45	93.45	93.45	93.67	93.93	93.75	94.05	93.55	93.45	93.45	93.45	93.45	
26	93.45	93.45	93.45	93.65	93.93	93.75	93.95	93.55	93.45	93.45	93.45	93.45	
27	93.45	93.45	93.45	93.65	93.73	93.75	93.85	93.55	93.45	93.45	93.45	93.45	
28	93.45	93.45	93.45	93.65	93.70	93.75	93.75	93.55	93.45	93.45	93.45	93.45	
29	93.45	93.45	93.45	93.65	93.67	93.75	93.75	93.55	93.45	93.45		93.45	
30	93.45	93.45	93.45	93.63	93.65	93.75	93.75	93.55	93.45	93.45		93.45	
31		93.45		93.63	93.65		93.75		93.45	93.45		93.45	
Mean	93.45	93.45	93.45	93.60	93.69	93.78	93.95	93.55	93.45	93.45	93.45	93.45	
Max	93.45	93.45	93.45	93.80	93.93	94.10	94.05	93.55	93.45	93.45	93.45	93.45	94.10
Min	93.45	93.45	93.45	93.50	93.65	93.65	93.75	93.55	93.45	93.45	93.45	93.45	93.45
Annual Max Momentary Gage Height	94.10		m. (MSL.) ,			at 06.00 Hours , on Sep 12 , 2021							
Zero Gage at Bottom Elevation		93.44	m. (MSL.) ,			River Bed	93.11	m. (MSL.)					
Left Bank Elevation		97.75	m. (MSL.) ,										
Right Bank Elevation		97.71	m. (MSL.) ,			Drainage Are	57	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	0.09	0.09	0.17	0.03	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.09	0.09	0.17	0.03	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.09	0.09	0.17	0.03	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.09	0.09	0.17	0.03	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.09	0.09	0.21	0.03	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.09	0.09	0.45	0.03	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.09	0.09	0.45	0.03	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.09	0.09	0.51	0.03	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.09	0.09	0.53	0.03	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.01	0.09	0.15	0.53	0.03	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.01	0.10	0.39	0.53	0.03	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.01	0.10	0.61	0.53	0.03	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.02	0.10	0.61	0.53	0.03	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.04	0.10	0.39	0.53	0.03	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.05	0.10	0.27	0.53	0.03	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.06	0.10	0.27	0.53	0.03	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.09	0.10	0.27	0.53	0.03	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.12	0.10	0.27	0.53	0.03	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.17	0.10	0.27	0.53	0.03	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.21	0.10	0.27	0.53	0.03	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.17	0.11	0.17	0.53	0.03	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.15	0.13	0.17	0.53	0.03	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.13	0.15	0.17	0.53	0.03	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.11	0.21	0.17	0.53	0.03	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.10	0.36	0.17	0.53	0.03	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.09	0.36	0.17	0.39	0.03	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.09	0.15	0.17	0.27	0.03	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.09	0.12	0.17	0.17	0.03	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.09	0.10	0.17	0.17	0.03	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.07	0.09	0.17	0.17	0.03	0.00	0.00		0.00	
31		0.00		0.07	0.09		0.17		0.00	0.00		0.00	
Total	0.00	0.00	0.00	1.95	3.77	6.28	12.65	0.90	0.00	0.00	0.00	0.00	25.55
Mean	0.00	0.00	0.00	0.06	0.12	0.21	0.41	0.03	0.00	0.00	0.00	0.00	0.07
Max	0.00	0.00	0.00	0.21	0.36	0.61	0.53	0.03	0.00	0.00	0.00	0.00	0.61
Min	0.00	0.00	0.00	0.00	0.09	0.09	0.17	0.03	0.00	0.00	0.00	0.00	0.00
Runoff	0.00	0.00	0.00	0.17	0.33	0.54	1.09	0.08	0.00	0.00	0.00	0.00	2.21
Momentary Peak	0.61 CMS. at 94.10 m. (MSL.) at 06.00 Hours , on Sep 12 , 2021												
Runoff Yield	1.23	Liters/Second/Square KM.					Momentary Peak Yield	10.70	Liters/Second/Square KM.				

WATER YEAR : 2021**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
Drainage 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 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	265.87	266.08	265.98	265.96	266.00	266.14	266.36	266.28	266.02	266.01	265.92	266.07	
2	265.87	266.28	265.96	265.96	266.04	266.17	266.42	266.29	266.01	265.97	265.91	266.36	
3	265.86	266.12	265.94	265.93	266.03	266.13	266.40	266.25	266.02	266.01	265.91	266.37	
4	265.86	266.01	265.93	265.92	266.01	266.08	266.36	266.22	265.98	266.01	265.94	266.39	
5	265.88	265.98	265.93	265.92	266.01	266.06	266.32	266.22	266.00	265.99	265.94	266.39	
6	265.98	265.97	265.95	265.92	266.02	266.13	266.28	266.21	266.03	265.96	265.99	266.37	
7	265.93	265.97	266.05	265.95	266.01	266.18	266.33	266.19	266.03	265.97	265.95	266.36	
8	265.94	265.96	266.04	266.00	266.00	266.15	266.29	266.17	266.03	266.00	265.93	266.37	
9	265.94	266.01	266.10	266.08	265.98	266.24	266.26	266.16	266.03	265.99	265.94	266.38	
10	265.93	265.95	266.06	266.54	266.00	266.34	266.25	266.15	266.03	266.00	265.93	266.38	
11	265.91	265.94	266.06	266.39	266.00	266.39	266.26	266.13	266.04	265.99	265.92	266.36	
12	265.92	265.88	266.03	266.44	266.02	266.32	266.33	266.14	266.03	265.98	265.92	266.31	
13	265.96	265.88	265.98	266.24	266.06	266.28	266.29	266.13	266.01	265.98	265.92	266.25	
14	265.93	265.88	266.10	266.17	266.31	266.26	266.25	266.13	266.01	265.98	265.93	266.19	
15	266.01	265.89	266.17	266.21	267.20	266.26	266.25	266.12	266.02	265.98	265.93	266.12	
16	265.98	265.90	266.22	266.33	266.45	266.24	266.27	266.12	266.02	265.98	265.93	266.13	
17	266.33	265.88	266.20	266.24	266.38	266.37	266.26	266.11	266.01	265.99	265.94	266.23	
18	266.17	265.91	266.18	266.12	266.24	266.38	266.26	266.09	266.02	265.98	265.94	266.28	
19	266.15	265.89	266.14	266.09	266.15	266.33	266.25	266.09	266.02	265.98	265.95	266.16	
20	266.10	265.88	266.10	266.55	266.21	266.38	266.28	266.08	266.01	265.98	266.01	266.17	
21	266.00	265.88	266.02	266.35	266.37	266.39	266.25	266.07	266.01	266.00	266.00	266.16	
22	265.96	265.88	265.94	266.19	266.24	266.36	266.27	266.07	266.01	266.01	266.00	266.12	
23	265.92	265.89	265.91	266.13	266.14	266.59	266.54	266.06	266.02	266.00	265.99	266.13	
24	265.92	265.88	265.91	266.11	266.12	266.43	266.66	266.08	266.01	265.99	265.99	266.12	
25	265.94	266.10	265.97	266.07	266.49	266.49	266.42	266.07	266.02	265.98	265.96	266.12	
26	265.94	266.08	265.97	266.04	266.18	266.47	266.41	266.08	266.02	265.96	265.95	266.11	
27	265.94	266.07	265.96	266.02	266.14	266.44	266.35	266.06	266.02	265.95	265.95	266.08	
28	265.98	266.08	265.96	266.01	266.12	266.45	266.32	266.05	266.01	265.93	265.92	266.07	
29	265.94	266.02	265.94	266.00	266.08	266.39	266.31	266.05	265.97	265.93		266.09	
30	265.94	266.01	265.94	266.01	266.13	266.35	266.28	266.03	265.99	265.91		266.14	
31		265.99		266.00	266.08		266.28		266.01	265.90		266.12	
Mean	265.97	265.97	266.02	266.13	266.17	266.31	266.32	266.13	266.01	265.98	265.95	266.22	
Max	266.33	266.28	266.22	266.55	267.20	266.59	266.66	266.29	266.04	266.01	266.01	266.39	267.20
Min	265.86	265.88	265.91	265.92	265.98	266.06	266.25	266.03	265.97	265.90	265.91	266.07	265.86
Annual Max Momentary Gage Height	267.24		m. (MSL.) ,			at 14.00 Hours , on Aug 15, 2021							
Zero Gage at Bottom Elevation	265.63		m. (MSL.) ,			River Bed	265.29	m. (MSL.)					
Left Bank Elevation	273.94		m. (MSL.) ,										
Right Bank Elevation	273.87		m. (MSL.) ,			Drainage Are	326	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.17	0.90	0.44	0.38	0.50	1.24	2.78	2.16	0.60	0.55	0.26	0.37		
2	0.17	2.16	0.38	0.38	0.70	1.42	3.30	2.23	0.55	0.41	0.23	0.66		
3	0.16	1.12	0.32	0.29	0.65	1.18	3.10	1.95	0.60	0.55	0.23	0.67		
4	0.16	0.55	0.29	0.26	0.55	0.90	2.78	1.74	0.44	0.55	0.32	0.69		
5	0.18	0.44	0.29	0.26	0.55	0.80	2.46	1.74	0.50	0.47	0.32	0.69		
6	0.44	0.41	0.35	0.26	0.60	1.18	2.16	1.67	0.65	0.38	0.47	0.67		
7	0.29	0.41	0.75	0.35	0.55	1.48	2.54	1.54	0.65	0.41	0.35	0.66		
8	0.32	0.38	0.70	0.50	0.50	1.30	2.23	1.42	0.65	0.50	0.29	0.67		
9	0.32	0.55	1.00	0.90	0.44	1.88	2.02	1.36	0.65	0.47	0.32	0.68		
10	0.29	0.35	0.80	4.54	0.50	2.62	1.95	1.30	0.65	0.50	0.29	0.68		
11	0.23	0.32	0.80	3.02	0.50	3.02	2.02	1.18	0.70	0.47	0.26	0.66		
12	0.26	0.18	0.65	3.50	0.60	2.46	2.54	1.24	0.65	0.44	0.26	0.61		
13	0.38	0.18	0.44	1.88	0.80	2.16	2.23	1.18	0.55	0.44	0.26	0.55		
14	0.29	0.18	1.00	1.42	2.38	2.02	1.95	1.18	0.55	0.44	0.29	0.49		
15	0.55	0.19	1.42	1.67	13.70	2.02	1.95	1.12	0.60	0.44	0.29	0.42		
16	0.44	0.20	1.74	2.54	3.60	1.88	2.09	1.12	0.60	0.44	0.29	0.43		
17	2.54	0.18	1.60	1.88	2.94	2.86	2.02	1.06	0.55	0.47	0.32	0.53		
18	1.42	0.23	1.48	1.12	1.88	2.94	2.02	0.95	0.60	0.44	0.32	0.58		
19	1.30	0.19	1.24	0.95	1.30	2.54	1.95	0.95	0.60	0.44	0.35	0.46		
20	1.00	0.18	1.00	4.65	1.67	2.94	2.16	0.90	0.55	0.44	0.55	0.47		
21	0.50	0.18	0.60	2.70	2.86	3.02	1.95	0.85	0.55	0.50	0.50	0.46		
22	0.38	0.18	0.32	1.54	1.88	2.78	2.09	0.85	0.55	0.55	0.50	0.42		
23	0.26	0.19	0.23	1.18	1.24	5.09	4.54	0.80	0.60	0.50	0.47	0.43		
24	0.26	0.18	0.23	1.06	1.12	3.40	5.86	0.90	0.55	0.47	0.47	0.42		
25	0.32	1.00	0.41	0.85	4.00	4.00	3.30	0.85	0.60	0.44	0.38	0.42		
26	0.32	0.90	0.41	0.70	1.48	3.80	3.20	0.90	0.60	0.38	0.35	0.41		
27	0.32	0.85	0.38	0.60	1.24	3.50	2.70	0.80	0.60	0.35	0.35	0.38		
28	0.44	0.90	0.38	0.55	1.12	3.60	2.46	0.75	0.55	0.29	0.26	0.37		
29	0.32	0.60	0.32	0.50	0.90	3.02	2.38	0.75	0.41	0.29		0.39		
30	0.32	0.55	0.32	0.55	1.18	2.70	2.16	0.65	0.47	0.23		0.44		
31		0.47		0.50	0.90		2.16		0.55	0.20		0.42		
Total	14.35	15.30	20.29	41.48	52.83	73.75	79.05	36.09	17.92	13.45	9.55	16.20	390.26	CMSDAY
Mean	0.48	0.49	0.68	1.34	1.70	2.46	2.55	1.20	0.58					

WATER YEAR : 2021**YOM RIVER BASIN****Yom River at Ban Thung Nong , Phayao (Y.31)**

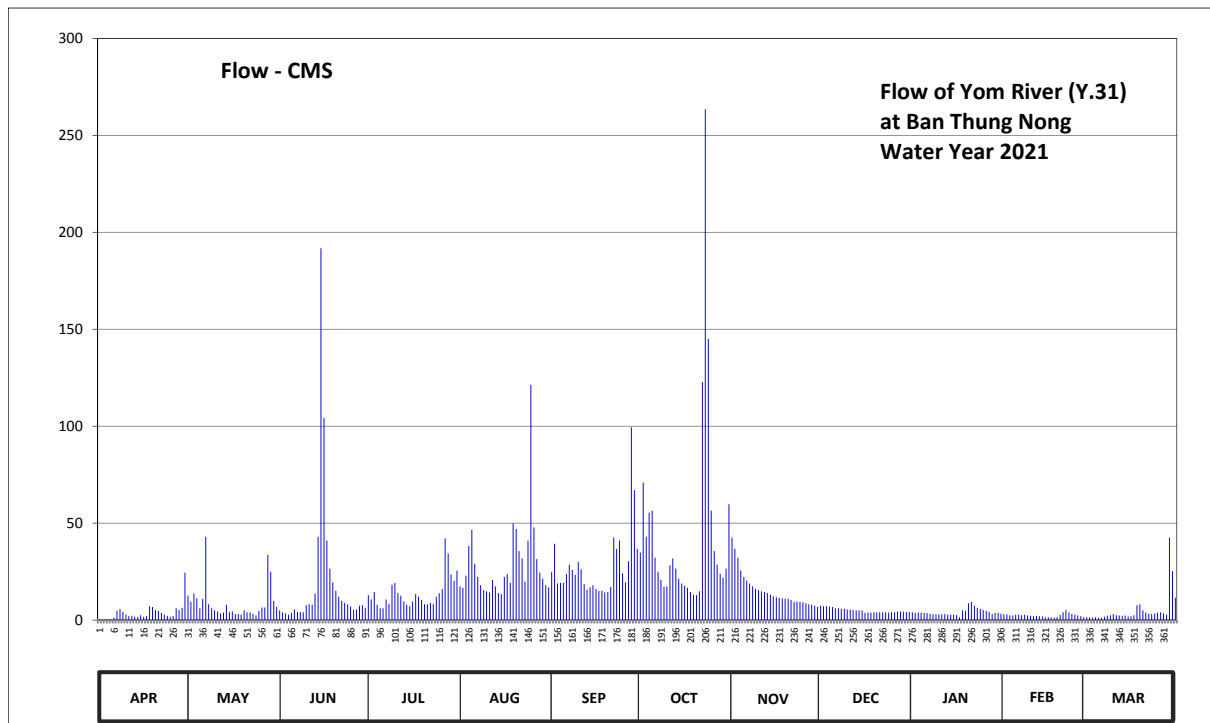
Lat 18 - 56 - 47 N Long 100 - 15 - 32 E

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

	Ban Thung Nong	Amphoe Chiang Muan	Changwat Phayao
Drainage 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 33 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	257.51	258.21	257.90	258.22	258.38	258.62	258.90	259.10	258.01	257.85	257.79	257.69	
2	257.50	258.09	257.85	258.14	258.35	259.02	259.73	258.95	258.00	257.83	257.79	257.68	
3	257.49	258.25	257.82	258.28	258.56	258.43	259.11	258.83	258.00	257.84	257.76	257.66	
4	257.49	258.16	257.78	258.03	258.99	258.44	259.41	258.64	257.99	257.84	257.75	257.68	
5	257.49	257.95	257.83	257.95	259.20	258.44	259.43	258.54	257.98	257.83	257.78	257.66	
6	257.65	258.15	257.92	257.95	258.74	258.59	258.83	258.48	257.95	257.83	257.78	257.65	
7	257.89	259.11	257.86	258.14	258.54	258.73	258.62	258.43	257.95	257.80	257.76	257.71	
8	257.93	258.04	257.85	258.05	258.40	258.65	258.49	258.38	257.94	257.79	257.78	257.74	
9	257.86	257.95	257.85	258.41	258.31	258.57	258.37	258.33	257.94	257.79	257.75	257.76	
10	257.78	257.90	258.02	258.44	258.29	258.77	258.38	258.31	257.92	257.79	257.74	257.80	
11	257.73	257.87	258.04	258.26	258.27	258.66	258.72	258.29	257.92	257.79	257.73	257.76	
12	257.74	257.82	258.03	258.21	258.49	258.42	258.82	258.28	257.91	257.80	257.74	257.75	
13	257.71	257.84	258.25	258.10	258.38	258.32	258.67	258.26	257.90	257.78	257.73	257.74	
14	257.71	258.03	259.11	258.03	258.26	258.36	258.51	258.23	257.90	257.78	257.72	257.75	
15	257.76	257.85	261.44	258.00	258.24	258.40	258.43	258.20	257.90	257.78	257.69	257.72	
16	257.71	257.87	260.32	258.10	258.54	258.33	258.39	258.18	257.83	257.77	257.69	257.73	
17	257.73	257.80	259.06	258.24	258.59	258.30	258.35	258.17	257.84	257.69	257.67	257.76	
18	258.00	257.80	258.67	258.19	258.44	258.30	258.28	258.16	257.84	257.90	257.66	258.02	
19	257.98	257.78	258.45	258.13	259.28	258.27	258.23	258.15	257.85	257.89	257.70	258.04	
20	257.91	257.90	258.30	258.04	259.21	258.28	258.22	258.15	257.85	258.06	257.77	257.90	
21	257.89	257.85	258.19	258.04	258.92	258.37	258.29	258.13	257.85	258.09	257.85	257.84	
22	257.83	257.85	258.11	258.07	258.82	259.10	260.61	258.09	257.85	258.01	257.91	257.81	
23	257.78	257.81	258.07	258.05	258.46	258.95	262.12	258.10	257.85	257.96	257.85	257.80	
24	257.74	257.76	258.04	258.19	259.06	259.06	260.90	258.09	257.84	257.93	257.80	257.82	
25	257.71	257.89	257.99	258.26	260.59	258.60	259.43	258.08	257.85	257.91	257.78	257.84	
26	257.73	257.97	257.92	258.33	259.23	258.45	258.92	258.06	257.85	257.89	257.75	257.85	
27	257.95	257.97	257.92	259.09	258.81	258.78	258.73	258.04	257.87	257.86	257.73	257.82	
28	257.91	258.87	258.01	258.89	258.61	260.24	258.59	258.03	257.87	257.80	257.69	257.78	
29	257.96	258.62	258.02	258.58	258.51	259.65	258.53	258.01	257.87	257.83		259.10	
30	258.61	258.11	257.96	258.48	258.40	258.95	258.67	257.98	257.86	257.83		258.63	
31		257.98		258.64	258.36		259.50		257.86	257.81		258.17	
Mean	257.79	258.03	258.29	258.24	258.68	258.67	258.97	258.29	257.90	257.85	257.75	257.86	
Max	258.61	259.11	261.44	259.09	260.59	260.24	262.12	259.10	258.01	258.09	257.91	259.10	262.12
Min	257.49	257.76	257.78	257.95	258.24	258.27	258.22	257.98	257.83	257.69	257.66	257.65	257.49
Annual Max Momentary Gage Height	262.59		m. (MSL.) ,			at 18.00 Hours ,	on Oct 22, 2021						
Zero Gage at Bottom Elevation	257.00		m. (MSL.) ,			River Bed	254.13	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.44	12.58	5.00	12.86	17.42	24.88	34.80	42.55	7.44	4.05	2.95	1.52		
2	0.40	9.36	4.05	10.68	16.55	39.39	71.00	36.70	7.20	3.67	2.95	1.44		
3	0.38	13.70	3.48	14.54	22.92	18.90	42.95	32.21	7.20	3.86	2.50	1.28		
4	0.38	11.22	2.80	7.92	38.22	19.20	55.48	25.56	6.98	3.86	2.35	1.44		
5	0.38	6.10	3.67	6.10	46.50	19.20	56.43	22.28	6.76	3.67	2.80	1.28		
6	1.20	10.95	5.44	6.10	29.00	23.88	32.21	20.40	6.10	3.67	2.80	1.20		
7	4.81	42.95	4.24	10.68	22.28	28.65	24.88	18.90	6.10	3.10	2.50	1.75		
8	5.66	8.16	4.05	8.40	18.00	25.90	20.70	17.42	5.88	2.95	2.80	2.20		
9	4.24	6.10	4.05	18.30	15.39	23.24	17.13	15.97	5.88	2.95	2.35	2.50		
10	2.80	5.00	7.68	19.20	14.82	30.05	17.42	15.39	5.44	2.95	2.20	3.10		
11	2.05	4.43	8.16	13.98	14.26	26.24	28.30	14.82	5.44	2.95	2.05	2.50		
12	2.20	3.48	7.92	12.58	20.70	18.60	31.84	14.54	5.22	3.10	2.20	2.35		
13	1.75	3.86	13.70	9.60	17.42	15.68	26.58	13.98	5.00	2.80	2.05	2.20		
14	1.75	7.92	42.95	7.92	13.98	16.84	21.32	13.14	5.00	2.80	1.90	2.35		
15	2.50	4.05	191.80	7.20	13.42	18.00	18.90	12.30	5.00	2.80	1.52	1.90		
16	1.75	4.43	104.20	9.60	22.28	15.97	17.71	11.76	3.67	2.65	1.52	2.05		
17	2.05	3.10	40.97	13.42	23.88	15.10	16.55	11.49	3.86	1.52	1.36	2.50		
18	7.20	3.10	26.58	12.03	19.20	15.10	14.54	11.22	3.86	5.00	1.28	7.68		
19	6.76	2.80	19.50	10.41	49.90	14.26	13.14	10.95	4.05	4.81	1.60	8.16		
20	5.22	5.00	15.10	8.16	46.93	14.54	12.86	10.95	4.05	8.64	2.65	5.00		
21	4.81	4.05	12.03	8.16	35.56	17.13	14.82	10.41	4.05	9.36	4.05	3.86		
22	3.67	4.05	9.87	8.88	31.84	42.55	122.75	9.36	4.05	7.44	5.22	3.29		
23	2.80	3.29	8.88	8.40	19.80	36.70	263.40	9.60	4.05	6.32	4.05	3.10		
24	2.20	2.50	8.16	12.03	40.97	40.97	145.00	9.36	3.86	5.66	3.10	3.48		
25	1.75	4.81	6.98	13.98	121.35	24.20	56.43	9.12	4.05	5.22	2.80	3.86		
26	2.05	6.54	5.44	15.97	47.78	19.50	35.56	8.64	4.05	4.81	2.35	4.05		
27	6.10	6.54	5.44	42.16	31.47	30.40	28.65	8.16	4.43	4.24	2.05	3.48		
28	5.22	33.69	7.44	34.43	24.54	99.40	23.88	7.92	4.43	3.10	1.52	2.80		
29	6.32	24.88	7.68	23.56	21.32	67.00	21.96	7.44	4.43	3.67		42.55		
30	24.54	9.87	6.32	20.40	18.00	36.70	26.58	6.76	4.24	3.67		25.22		
31		6.76		25.56	16.84		59.75		4.24	3.29		11.49		
Total	113.38	275.27	593.58	433.21	892.54	838.17	1373.52	459.30	156.01	128.58	69.47	161.58	5494.61	CMSDAY
Mean	3.78	8.88	19.79	13.97	28.79	27.94	44.31	15.31	5.03	4.15	2.48	5.21	15.05	CMS
Max	24.54	42.95	191.80	42.16	121.35	99.40	263.40	42.55	7.44	9.36	5.22	42.55	263.40	CMS
Min	0.38	2.50	2.80	6.10	13.42	14.26	12.86	6.76	3.67	1.52	1.28	1.20	0.38	CMS
Runoff	9.80	23.78	51.29	37.43	77.12	72.42	118.67	39.68	13.48	11.11	6.00	13.96	474.73	MCM
Momentary Peak	322.70 CMS. at 262.59 m. (MSL.) at 18.00 Hours , on Oct 22, 2021													
Runoff Yield	7.43	Liters/Second/Square KM.			Momentary Peak Yield			159.20	Liters/Second/Square KM.					

WATER YEAR : 2021**YOM RIVER BASIN****Yom River at Ban Khlong Tan , Sukhothai (Y.33)**

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

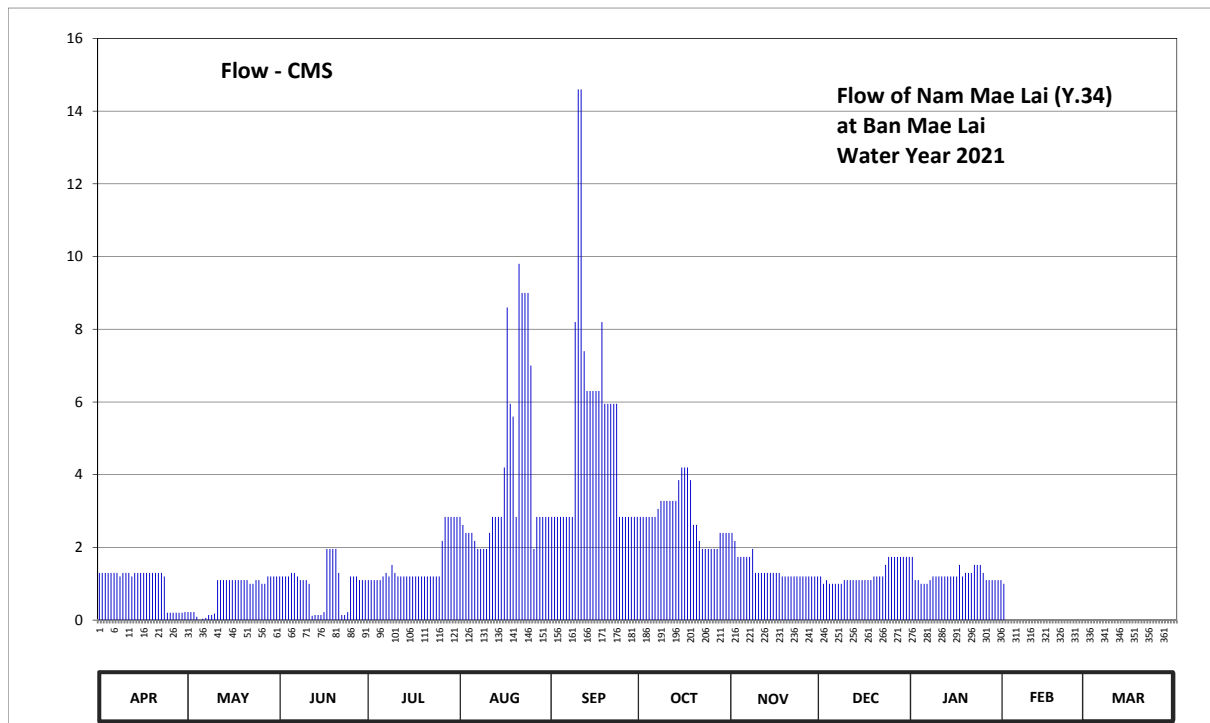
Location : on left bank at the bridge on road from Tambon Khlong Tan.

	Ban Khlong Tan	Amphoe Si Samrong	Changwat Sukhothai
Drainage Area	12,778 sq.km.		
Type of Gage	Staff gage		
Zero Gage at Bottom	+45.820 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 20.30 meters from the top staff gage.	Elevation	+55.420 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings		
Period of Available Gage Records	1990 to date		
Rating Operation			
Period of Rating	1990 to date		
Rated by Float	-		
Rated by Current Meter	1990 to date		
Stability of Channel Regimes	Stable because of back water effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Flow effected by the temporary weir about 500 meters downstream from the gage site. Stage-discharge relation defined by 14 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	45.92	47.27	46.46	47.11	47.68	49.03	48.77	47.87	47.92	46.92	46.10	46.83	
2	45.92	47.27	46.61	47.18	47.57	48.78	48.74	47.88	48.00	46.71	45.96	46.82	
3	45.92	46.93	46.99	46.80	47.47	48.77	48.77	48.47	48.08	46.36	46.25	46.76	
4	45.92	47.06	47.29	46.69	47.19	48.76	48.63	49.29	48.02	46.35	46.20	46.76	
5	45.94	47.44	47.28	46.95	46.93	48.66	48.87	48.90	47.92	46.27	46.15	46.80	
6	46.03	47.57	47.22	46.74	46.75	48.60	49.16	48.72	47.79	46.15	46.22	46.83	
7	46.14	47.61	47.13	46.57	46.85	48.51	49.58	48.34	47.65	46.10	46.19	46.83	
8	46.14	47.55	46.88	46.43	46.95	48.49	49.87	48.25	47.53	46.08	46.26	46.84	
9	46.15	47.09	46.83	46.43	46.93	48.65	49.62	47.82	47.39	46.06	46.75	46.82	
10	46.15	47.11	46.82	46.47	46.97	53.77	49.25	47.71	47.17	46.03	47.03	46.75	
11	46.15	47.12	46.79	46.65	47.06	54.70	49.14	47.91	46.94	46.04	47.00	46.65	
12	46.16	47.10	46.63	46.68	47.07	53.66	48.74	48.29	46.69	46.74	47.04	46.56	
13	46.17	47.04	46.44	46.90	46.91	52.49	48.92	48.41	46.45	46.82	46.99	46.50	
14	46.17	46.84	46.58	47.18	46.96	51.27	49.04	48.61	46.38	47.13	46.96	46.50	
15	46.17	46.75	46.83	47.23	46.98	50.14	49.27	48.67	46.33	47.14	47.12	46.51	
16	46.22	46.78	46.80	46.93	47.06	49.91	49.22	48.74	46.29	47.06	47.14	46.52	
17	46.39	46.77	46.78	46.90	47.51	49.17	48.94	48.70	46.27	46.91	47.09	46.76	
18	46.37	46.72	46.74	47.14	49.23	48.93	49.58	48.78	46.17	46.79	47.05	47.05	
19	46.35	46.73	46.98	47.14	50.13	49.96	48.98	48.66	46.07	46.60	47.04	47.15	
20	46.34	47.01	47.72	47.14	49.49	49.95	48.16	48.32	46.14	46.45	47.06	47.13	
21	46.33	47.16	47.17	47.14	48.58	49.03	48.04	48.27	46.20	46.35	47.03	47.10	
22	46.33	46.71	46.79	47.08	49.03	48.94	48.29	48.65	46.32	46.30	46.94	47.07	
23	46.33	46.51	46.71	47.05	49.43	50.19	49.27	48.75	46.49	46.58	46.88	47.06	
24	46.32	46.43	46.66	47.01	48.81	54.13	51.16	48.20	46.40	47.07	46.86	47.03	
25	46.32	46.63	46.62	47.12	48.21	53.20	53.34	48.07	46.53	47.31	46.89	46.97	
26	46.33	46.76	46.55	47.41	48.12	51.60	54.71	48.24	46.57	47.24	46.89	46.93	
27	46.34	46.73	46.49	47.65	48.33	50.67	52.62	48.36	46.55	47.00	46.86	46.90	
28	46.90	46.80	46.47	47.83	48.54	50.03	49.71	48.24	46.96	46.80	46.84	46.90	
29	47.06	46.68	46.85	47.87	49.07	49.58	48.27	48.18	47.29	46.67		47.07	
30	47.21	46.53	46.91	47.84	48.99	48.89	47.85	48.06	47.04	46.48		47.14	
31		46.51		47.77	49.14		47.86		46.88	46.29		47.12	
Mean	46.27	46.94	46.83	47.07	47.93	50.28	49.43	48.38	46.92	46.61	46.74	46.86	
Max	47.21	47.61	47.72	47.87	50.13	54.70	54.71	49.29	48.08	47.31	47.14	47.15	54.71
Min	45.92	46.43	46.44	46.43	46.75	48.49	47.85	47.71	46.07	46.03	45.96	46.50	45.92
Annual Max Momentary Gage Height	55.12	m. (MSL.) ,		at 24.00 Hours , on Sep 10, 2021									
Zero Gage at Bottom Elevation	45.82	m. (MSL.) ,		River Bed		43.83	m. (MSL.)						
Left Bank Elevation	56.31	m. (MSL.) ,											
Right Bank Elevation	56.97	m. (MSL.) ,		Drainage Are		12,778	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	14.88	0.00	11.31	25.36	73.49	62.54	30.63	6.02	0.00	0.00	0.00	
2	0.00	14.88	1.78	12.78	22.42	62.96	61.28	5.40	7.30	0.00	0.00	0.00	
3	0.00	7.67	8.81	5.20	19.82	62.54	62.54	17.82	8.58	0.00	0.00	0.00	
4	0.00	10.26	15.36	3.22	12.99	62.12	56.66	53.96	7.62	0.00	0.00	0.00	
5	0.00	19.04	15.12	8.05	7.67	57.92	66.74	33.00	6.02	0.00	0.00	0.00	
6	0.00	22.42	13.68	4.12	4.30	55.40	79.08	25.96	4.06	0.00	0.00	0.00	
7	0.00	23.47	11.73	1.12	6.15	52.07	98.91	14.44	2.10	0.00	0.00	0.00	
8	0.00	21.90	6.72	0.00	8.05	51.33	113.54	12.25	0.42	0.00	0.00	0.00	
9	0.00	10.89	5.77	0.00	7.67	57.50	85.30	4.50	0.00	0.00	0.00	0.00	
10	0.00	11.31	5.58	0.00	8.43	382.39	51.00	2.94	0.00	0.00	0.00	0.00	
11	0.00	11.52	5.02	2.50	10.26	467.30	44.18	5.86	0.00	0.00	0.00	0.00	
12	0.00	11.10	2.14	3.04	10.47	372.82	26.72	13.17	0.00	0.00	0.00	0.00	
13	0.00	9.84	0.00	7.10	7.29	280.01	33.82	16.26	0.00	0.00	0.00	0.00	
14	0.00	5.96	1.28	12.78	8.24	196.31	39.10	21.78	0.00	0.00	0.00	0.00	
15	0.00	4.30	5.77	13.92	8.62	128.00	52.48	24.06	0.00	0.00	0.00	0.00	
16	0.00	4.84	5.20	7.67	10.26	115.62	48.78	26.72	0.00	0.00	0.00	0.00	
17	0.00	4.66	4.84	7.10	20.86	79.51	34.64	25.20	0.00	0.00	0.00	0.00	
18	0.00	3.76	4.12	11.94	82.18	69.26	80.90	28.24	0.00	0.00	0.00	0.00	
19	0.00	3.94	8.62	11.94	127.45	118.22	36.28	23.68	0.00	0.00	0.00	0.00	
20	0.00	9.21	26.44	11.94	94.46	117.70	10.22	13.92	0.00	0.00	0.00	0.00	
21	0.00	12.36	12.57	11.94	54.66	73.49	7.94	12.71	0.00	0.00	0.00	0.00	
22	0.00	3.58	5.02	10.68	73.49	69.68	44.26	23.30	0.00	0.00	0.00	0.00	
23	0.00	0.16	3.58	10.05	91.49	130.75	84.02	27.10	0.00	1.28	0.00	0.00	
24	0.00	0.00	2.68	9.21	64.22	414.04	189.38	11.10	0.00	10.47	0.00	0.00	
25	0.00	2.14	1.96	11.52	41.54	334.20	345.68	8.42	0.00	15.84	0.00	0.00	
26	0.00	4.48	0.80	18.26	38.48	217.10	468.35	12.02	0.00	14.16	0.00	0.00	
27	0.00	3.94	0.00	24.55	45.62	158.77	289.69	14.96	0.00	9.00	0.00	0.00	
28	7.10	5.20	0.00	29.47	53.18	121.95	105.40	12.02	0.00	5.20	0.00	0.00	
29	10.26	3.04	6.15	30.63	75.21	98.91	43.58	10.66	0.00	2.86		0.00	
30	13.44	0.48	7.29	29.76	71.78	67.58	30.05	8.26	0.00	0.00		0.00	
31		0.16		27.79	78.22		30.34		0.00	0.00		0.00	
Total	30.80	261.39	188.03	349.59	1190.84	4548.9							



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.30	0.22	1.20	1.10	2.84	2.84	2.84	2.40	1.20	1.74	1.00	0.00	
2	1.30	0.22	1.20	1.10	2.62	2.84	2.84	2.18	1.00	1.10	0.00	0.00	
3	1.30	0.22	1.20	1.10	2.40	2.84	2.84	1.74	1.10	1.10	0.00	0.00	
4	1.30	0.09	1.20	1.10	2.40	2.84	2.84	1.74	1.00	1.00	0.00	0.00	
5	1.30	0.01	1.30	1.10	2.40	2.84	2.84	1.74	1.00	1.00	0.00	0.00	
6	1.30	0.04	1.30	1.20	2.18	2.84	2.84	1.74	1.00	1.00	0.00	0.00	
7	1.30	0.06	1.20	1.30	1.96	2.84	3.06	1.74	1.00	1.10	0.00	0.00	
8	1.20	0.14	1.10	1.20	1.96	2.84	3.28	1.96	1.00	1.20	0.00	0.00	
9	1.30	0.14	1.10	1.52	1.96	8.20	3.28	1.30	1.10	1.20	0.00	0.00	
10	1.30	0.18	1.10	1.30	1.96	14.60	3.28	1.30	1.10	1.20	0.00	0.00	
11	1.30	1.10	1.00	1.20	2.40	14.60	3.28	1.30	1.10	1.20	0.00	0.00	
12	1.20	1.10	0.12	1.20	2.84	7.40	3.28	1.30	1.10	1.20	0.00	0.00	
13	1.30	1.10	0.14	1.20	2.84	6.30	3.28	1.30	1.10	1.20	0.00	0.00	
14	1.30	1.10	0.14	1.20	2.84	6.30	3.85	1.30	1.10	1.20	0.00	0.00	
15	1.30	1.10	0.14	1.20	2.84	6.30	4.20	1.30	1.10	1.20	0.00	0.00	
16	1.30	1.10	0.22	1.20	4.20	6.30	4.20	1.30	1.10	1.20	0.00	0.00	
17	1.30	1.10	1.96	1.20	8.60	6.30	4.20	1.30	1.10	1.52	0.00	0.00	
18	1.30	1.10	1.96	1.20	5.95	8.20	3.85	1.20	1.10	1.20	0.00	0.00	
19	1.30	1.10	1.96	1.20	5.60	5.95	2.62	1.20	1.20	1.30	0.00	0.00	
20	1.30	1.10	1.96	1.20	2.84	5.95	2.62	1.20	1.20	1.30	0.00	0.00	
21	1.30	1.10	1.30	1.20	9.80	5.95	2.18	1.20	1.20	1.30	0.00	0.00	
22	1.30	1.00	0.14	1.20	9.00	5.95	1.96	1.20	1.20	1.52	0.00	0.00	
23	1.20	1.00	0.14	1.20	9.00	5.95	1.96	1.20	1.52	1.52	0.00	0.00	
24	0.20	1.10	0.22	1.20	9.00	2.84	1.96	1.20	1.74	1.52	0.00	0.00	
25	0.20	1.10	1.20	1.20	7.00	2.84	1.96	1.20	1.74	1.30	0.00	0.00	
26	0.20	1.00	1.20	2.18	1.96	2.84	1.96	1.20	1.74	1.10	0.00	0.00	
27	0.20	1.00	1.20	2.84	2.84	2.84	1.96	1.20	1.74	1.10	0.00	0.00	
28	0.20	1.20	1.10	2.84	2.84	2.84	2.40	1.20	1.74	1.10	0.00	0.00	
29	0.20	1.20	1.10	2.84	2.84	2.84	2.40	1.20	1.74	1.10	0.00	0.00	
30	0.22	1.20	1.10	2.84	2.84	2.84	2.40	1.20	1.74	1.10	0.00	0.00	
31		1.20		2.84	2.84		2.40		1.74	1.10		0.00	
<hr/>													
Total	31.02	24.42	30.20	46.40	123.59	156.85	88.86	42.54	39.54	37.92	1.00	0.00	622.34 CMSDAY
Mean	1.03	0.79	1.01	1.50	3.99	5.23	2.87	1.42	1.28	1.22	0.04	0.00	1.71 CMS
Max	1.30	1.20	1.96	2.84	9.80	14.60	4.20	2.40	1.74	1.74	1.00	0.00	14.60 CMS
Min	0.20	0.01	0.12	1.10	1.96	2.84	1.96	1.20	1.00	1.00	0.00	0.00	0.00 CMS
Runoff	2.68	2.11	2.61	4.01	10.68	13.55	7.68	3.68	3.42	3.28	0.09	0.00	53.77 MCM
<hr/>													
Momentary Peak	15.05 CMS. at 159.59 m. (MSL.) at 15.00 Hours , on Sep 9, 2021												
Runoff Yield	4.86	Liters/Second/Square KM.			Momentary Peak Yield			42.88	Liters/Second/Square KM.				

WATER YEAR : 2021

YOM RIVER BASIN

Nam Khuan at Ban Pa Kha , Phayao (Y.36)

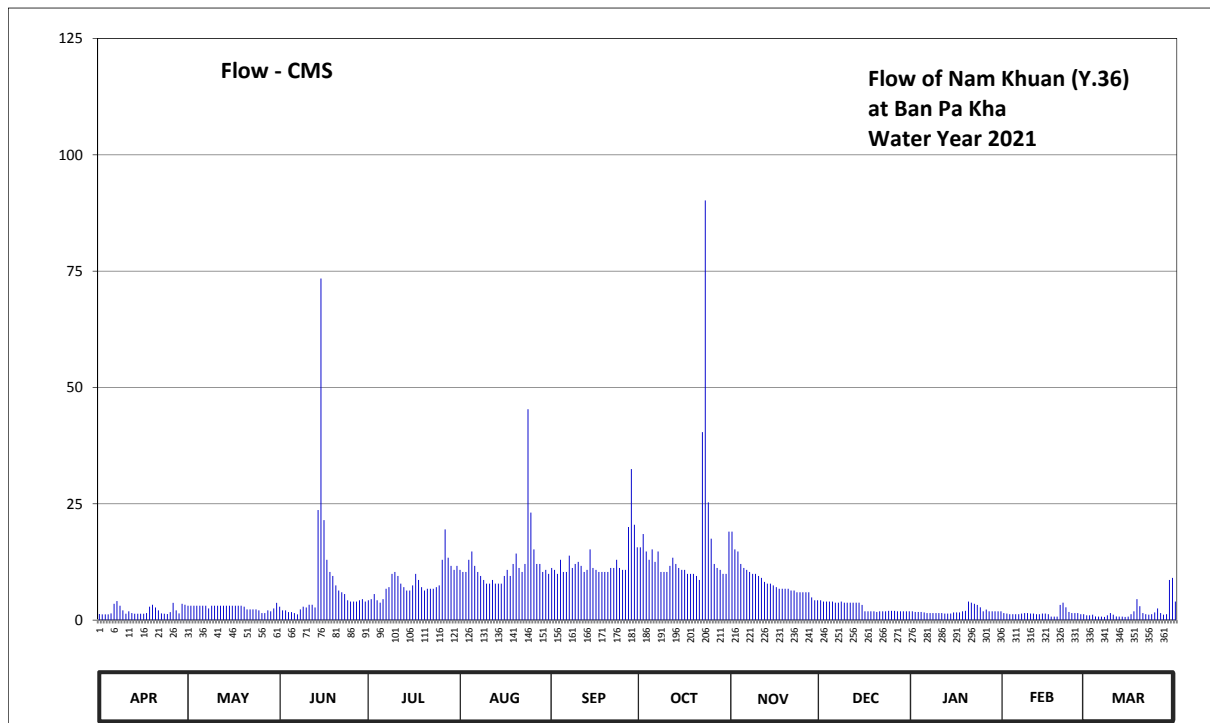
Lat 19 - 09 - 31 N Long 100 - 19 - 40 E

Location : on left bank at the bridge.

	Ban Pa Kha	Amphoe Pong	Changwat Phayao
Drainge Area	851 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+298.586 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 20 meters from the abutment of the bridge.	Elevation	+307.764 m. (MSL.)
Gage Reading Frequency	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 because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Flow effected by the islet at the gage site. Stage-discharge relation defined by 26 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	301.17	301.28	301.27	301.09	301.26	301.27	301.37	301.44	301.09	300.99	300.96	300.92	
2	301.16	301.28	301.23	301.10	301.25	301.26	301.43	301.36	301.08	300.98	300.95	300.92	
3	301.16	301.28	301.23	301.13	301.25	301.24	301.35	301.35	301.08	300.98	300.94	300.93	
4	301.16	301.28	301.21	301.09	301.31	301.31	301.31	301.29	301.08	300.98	300.94	300.90	
5	301.19	301.28	301.21	301.07	301.35	301.25	301.36	301.27	301.08	300.97	300.94	300.89	
6	301.30	301.28	301.20	301.10	301.28	301.25	301.30	301.26	301.07	300.96	300.94	300.89	
7	301.33	301.28	301.16	301.16	301.25	301.33	301.35	301.25	301.07	300.96	300.95	300.88	
8	301.28	301.25	301.24	301.17	301.23	301.27	301.25	301.24	301.08	300.96	300.96	300.92	
9	301.23	301.28	301.27	301.24	301.21	301.29	301.25	301.24	301.07	300.96	300.96	300.96	
10	301.18	301.28	301.26	301.25	301.19	301.30	301.25	301.23	301.07	300.96	300.95	300.93	
11	301.22	301.28	301.29	301.23	301.19	301.28	301.28	301.22	301.07	300.96	300.95	300.90	
12	301.20	301.28	301.29	301.19	301.21	301.25	301.32	301.20	301.07	300.95	300.94	300.89	
13	301.18	301.28	301.26	301.17	301.19	301.26	301.29	301.19	301.07	300.95	300.94	300.89	
14	301.18	301.28	301.53	301.15	301.19	301.36	301.27	301.19	301.07	300.95	300.95	300.88	
15	301.18	301.28	302.28	301.15	301.19	301.27	301.26	301.18	301.05	300.97	300.95	300.89	
16	301.18	301.28	301.49	301.18	301.23	301.26	301.26	301.17	300.99	300.97	300.94	300.94	
17	301.20	301.28	301.31	301.24	301.26	301.25	301.24	301.16	300.99	300.97	300.89	300.99	
18	301.27	301.28	301.25	301.21	301.23	301.25	301.24	301.16	300.99	300.99	300.89	301.10	
19	301.29	301.28	301.23	301.17	301.29	301.25	301.24	301.16	300.99	301.00	300.89	301.04	
20	301.26	301.27	301.18	301.15	301.34	301.25	301.23	301.16	300.98	301.08	301.05	300.96	
21	301.23	301.24	301.15	301.16	301.27	301.27	301.21	301.15	300.99	301.07	301.07	300.94	
22	301.19	301.24	301.14	301.16	301.25	301.27	301.82	301.15	300.99	301.06	301.03	300.93	
23	301.18	301.24	301.13	301.16	301.29	301.31	302.48	301.14	300.99	301.05	300.98	300.94	
24	301.17	301.24	301.09	301.17	301.89	301.27	301.56	301.14	301.00	301.03	300.96	300.97	
25	301.21	301.23	301.08	301.18	301.52	301.26	301.41	301.14	301.00	300.99	300.96	301.02	
26	301.31	301.20	301.08	301.31	301.36	301.26	301.29	301.14	301.00	301.01	300.96	300.96	
27	301.23	301.20	301.08	301.45	301.29	301.46	301.27	301.14	300.99	300.99	300.94	300.93	
28	301.19	301.23	301.09	301.32	301.29	301.69	301.26	301.11	300.99	300.99	300.94	300.94	
29	301.30	301.22	301.10	301.28	301.25	301.47	301.24	301.09	300.99	300.99		301.21	
30	301.29	301.25	301.08	301.26	301.26	301.37	301.24	301.09	300.99	300.99		301.22	
31		301.31		301.28	301.24		301.44		300.99	300.99		301.08	
Mean	301.22	301.26	301.25	301.19	301.28	301.30	301.36	301.20	301.03	300.99	300.95	300.96	
Max	301.33	301.31	302.28	301.45	301.89	301.69	302.48	301.44	301.09	301.08	301.07	301.22	302.48
Min	301.16	301.20	301.08	301.07	301.19	301.24	301.21	301.09	300.98	300.95	300.89	300.88	300.88
Annual Max Momentary Gage Height	302.94		m. (MSL.) ,			at 06.00 Hours ,	on Oct 23, 2021						
Zero Gage at Bottom Elevation	298.59		m. (MSL.) ,			River Bed	300.65	m. (MSL.)					
Left Bank Elevation	307.46		m. (MSL.) ,										
Right Bank Elevation	307.72		m. (MSL.) ,			Drainage Are	851	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.29	3.10	2.90	4.25	10.78	11.21	15.65	19.00	4.25	1.88	1.52	1.04	
2	1.22	3.10	2.10	4.50	10.35	10.78	18.50	15.20	4.00	1.76	1.40	1.04	
3	1.22	3.10	2.10	5.61	10.35	9.92	14.75	14.75	4.00	1.76	1.28	1.16	
4	1.22	3.10	1.70	4.25	12.95	12.95	12.95	12.07	4.00	1.76	1.28	0.80	
5	1.43	3.10	1.70	3.75	14.75	10.35	15.20	11.21	4.00	1.64	1.28	0.74	
6	3.50	3.10	1.50	4.50	11.64	10.35	12.50	10.78	3.75	1.52	1.28	0.74	
7	4.10	3.10	1.22	6.72	10.35	13.85	14.75	10.35	3.75	1.52	1.40	0.68	
8	3.10	2.50	2.30	7.09	9.49	11.21	10.35	9.92	4.00	1.52	1.52	1.04	
9	2.10	3.10	2.90	9.92	8.63	12.07	10.35	9.92	3.75	1.52	1.52	1.52	
10	1.36	3.10	2.70	10.35	7.83	12.50	10.35	9.49	3.75	1.52	1.40	1.16	
11	1.90	3.10	3.30	9.49	7.83	11.64	11.64	9.06	3.75	1.52	1.40	0.80	
12	1.50	3.10	3.30	7.83	8.63	10.35	13.40	8.20	3.75	1.40	1.28	0.74	
13	1.36	3.10	2.70	7.09	7.83	10.78	12.07	7.83	3.75	1.40	1.28	0.74	
14	1.36	3.10	23.65	6.35	7.83	15.20	11.21	7.83	3.75	1.40	1.40	0.68	
15	1.36	3.10	73.40	6.35	7.83	11.21	10.78	7.46	3.25	1.64	1.40	0.74	
16	1.36	3.10	21.50	7.46	9.49	10.78	10.78	7.09	1.88	1.64	1.28	1.28	
17	1.50	3.10	12.95	9.92	10.78	10.35	9.92	6.72	1.88	1.64	0.74	1.88	
18	2.90	3.10	10.35	8.63	9.49	10.35	9.92	6.72	1.88	1.88	0.74	4.50	
19	3.30	3.10	9.49	7.09	12.07	10.35	9.92	6.72	1.88	2.00	0.74	3.00	
20	2.70	2.90	7.46	6.35	14.30	10.35	9.49	6.72	1.76	4.00	3.25	1.52	
21	2.10	2.30	6.35	6.72	11.21	11.21	8.63	6.35	1.88	3.75	3.75	1.28	
22	1.43	2.30	5.98	6.72	10.35	11.21	40.40	6.35	1.88	3.50	2.75	1.16	
23	1.36	2.30	5.61	6.72	12.07	12.95	90.20	5.98	1.88	3.25	1.76	1.28	
24	1.29	2.30	4.25	7.09	45.30	11.21	25.30	5.98	2.00	2.75	1.52	1.64	
25	1.70	2.10	4.00	7.46	23.10	10.78	17.50	5.98	2.00	1.88	1.52	2.50	
26	3.70	1.50	4.00	12.95	15.20	10.78	12.07	5.98	2.00	2.25	1.52	1.52	
27	2.10	1.50	4.00	19.50	12.07	20.00	11.21	5.98	1.88	1.88	1.28	1.16	
28	1.43	2.10	4.25	13.40	12.07	32.45	10.78	4.87	1.88	1.88	1.28	1.28	
29	3.50	1.90	4.50	11.64	10.35	20.50	9.92	4.25	1.88	1.88		8.63	
30	3.30	2.50	4.00	10.78	10.78	15.65	9.92	4.25	1.88	1.88		9.06	
31		3.70		11.64	9.92		19.00		1.88	1.88		4.00	
Total	61.69	85.70	236.16	252.12	375.62	383.29	499.41	253.01	87.82	61.70	42.77	59.31	2398.60 CMSDAY
Mean	2.06	2.76	7.87	8.13	12.12	12.78	16.11	8.43	2.83	1.99	1.53	1.91	6.57 CMS
Max	4.10	3.70	73.40	19.50	45.30	32.45	90.20	19.00	4.25	4.00	3.75	9.06	90.20 CMS
Min	1.22	1.50	1.22	3.75	7.83	9.92	8.63	4.25	1.76	1.40	0.74	0.68	0.68 CMS
Runoff	5.33	7.40	20.40	21.78	32.45	33.12	43.15	21.86	7.59	5.33	3.70	5.12	207.24 MCM
Momentary Peak	135.70	CMS.	at 302.94 m. (MSL.)	at 06.00 Hours	on Oct 23, 2021								
Runoff Yield	7.72	Liters/Second/Square KM.			Momentary Peak Yield	159.46	Liters/Second/Square KM.						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.30	20.70	29.90	10.60	43.30	68.90	176.20	97.25	17.88	3.02	3.80	2.32	
2	0.24	29.90	26.60	11.30	38.89	66.80	166.30	136.60	16.00	3.19	3.32	2.21	
3	0.24	23.58	20.23	9.90	32.20	59.80	143.80	136.60	12.00	3.19	2.98	2.10	
4	0.15	34.60	15.20	8.00	29.35	54.20	116.35	106.25	9.55	3.36	2.43	1.83	
5	0.15	32.20	12.80	8.00	29.35	61.90	124.90	86.40	9.20	3.53	2.76	1.74	
6	0.18	26.05	16.00	6.75	29.35	65.40	120.60	73.10	11.65	3.36	2.87	1.65	
7	0.21	24.06	17.41	7.75	39.52	58.40	128.50	62.60	13.20	3.36	2.87	1.65	
8	0.15	22.62	11.65	10.60	47.32	69.60	91.30	55.60	10.95	3.36	2.87	1.47	
9	0.09	17.88	9.20	26.05	37.63	289.90	90.60	50.70	8.00	7.00	2.65	1.14	
10	8.25	28.80	7.75	26.60	33.40	433.20	75.90	46.65	7.25	16.88	2.98	2.76	
11	8.85	30.45	8.50	62.60	33.40	296.50	78.70	44.64	7.25	19.36	2.98	7.40	
12	6.25	20.23	14.80	59.80	32.80	191.50	90.60	40.78	6.50	21.18	3.09	5.70	
13	6.00	14.40	22.14	61.20	30.45	131.20	101.75	37.00	6.75	21.44	3.09	5.05	
14	7.00	12.40	17.88	35.20	29.35	85.70	157.30	42.67	6.25	21.70	2.87	4.40	
15	7.25	10.95	14.40	32.20	29.90	76.60	119.75	32.80	4.85	21.96	2.65	3.80	
16	6.75	7.75	18.35	26.05	117.20	89.90	119.75	30.45	3.93	21.70	2.43	3.44	
17	7.25	7.00	47.32	32.80	213.10	114.65	153.70	30.45	5.08	20.66	1.83	3.56	
18	7.50	6.75	133.00	27.15	200.50	195.10	106.25	29.90	4.85	20.14	1.74	3.44	
19	7.50	6.50	86.40	21.18	124.00	131.20	80.10	27.70	5.54	20.40	2.01	3.20	
20	7.00	8.00	45.98	20.23	125.80	98.00	63.30	26.60	5.31	20.66	2.32	2.54	
21	8.50	7.00	27.15	17.88	162.70	85.00	68.90	25.02	5.08	21.96	2.54	2.21	
22	21.18	6.25	27.15	20.23	169.00	87.80	96.50	25.50	4.16	22.48	2.21	1.74	
23	18.35	5.54	22.14	33.40	104.00	199.60	165.40	25.02	3.53	22.48	2.54	1.14	
24	13.60	5.54	16.94	40.78	69.60	179.80	381.60	22.14	4.39	23.00	2.10	0.90	
25	10.95	5.31	14.40	47.99	95.75	210.40	537.60	20.23	3.19	11.73	2.21	0.90	
26	9.55	7.75	11.65	45.98	96.50	189.70	362.40	14.80	3.53	3.68	2.87	1.14	
27	8.25	9.20	9.90	43.97	125.80	157.30	178.00	13.60	4.62	4.53	2.76	0.96	
28	8.00	10.95	7.50	44.64	121.45	165.40	112.95	18.82	4.16	4.92	2.54	1.92	
29	7.25	18.82	6.75	47.99	92.00	153.70	94.25	20.70	3.93	4.79		2.32	
30	9.90	17.88	7.50	52.80	82.90	176.20	86.40	19.29	3.02	4.40		2.32	
31		26.05		47.32	74.50		91.30		3.19				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.03	0.07	0.04	0.44	2.30	1.44	4.10	1.10	0.26	0.12	0.09	0.09	
2	0.03	0.07	0.03	0.42	1.58	2.10	2.30	1.15	0.26	0.11	0.09	0.08	
3	0.02	0.08	0.30	0.40	1.51	2.00	2.00	1.05	0.26	0.09	0.10	0.11	
4	0.02	0.08	0.30	0.40	1.58	1.93	2.00	0.85	0.26	0.09	0.10	0.12	
5	0.02	0.08	0.34	0.53	1.30	1.86	1.93	0.85	0.21	0.09	0.10	0.12	
6	0.02	0.08	0.40	0.59	1.37	1.72	1.79	0.71	0.21	0.09	0.09	0.09	
7	0.04	0.08	0.77	0.46	1.15	1.79	2.30	0.65	0.18	0.17	0.09	0.10	
8	0.05	0.08	0.62	0.48	1.25	3.00	1.72	0.48	0.18	0.20	0.09	0.14	
9	0.04	0.07	0.90	0.59	1.20	16.16	1.58	0.44	0.21	0.20	0.09	0.13	
10	0.04	0.04	0.90	1.00	0.95	11.27	1.65	0.46	0.21	0.20	0.09	0.10	
11	0.04	0.03	0.95	1.10	0.74	15.60	1.93	0.46	0.18	0.20	0.09	0.09	
12	0.04	0.03	0.95	0.95	0.74	12.31	3.55	0.48	0.20	0.09	0.09	0.11	
13	0.04	0.03	1.00	0.80	0.59	8.60	6.18	0.50	0.18	0.09	0.09	0.11	
14	0.04	0.03	4.24	1.00	0.59	8.80	2.60	0.44	0.20	0.09	0.09	0.11	
15	0.04	0.03	2.90	0.74	2.10	4.66	1.93	0.42	0.18	0.09	0.09	0.13	
16	0.04	0.02	3.55	0.85	20.50	3.66	2.00	0.36	0.18	0.09	0.09	0.13	
17	0.04	0.02	2.50	0.68	31.79	3.77	1.79	0.38	0.18	0.09	0.09	0.13	
18	0.04	0.03	2.10	0.62	16.16	3.77	1.44	0.38	0.18	0.09	0.09	0.12	
19	0.04	0.03	1.00	0.53	7.40	2.70	1.44	0.34	0.18	0.09	0.09	0.12	
20	0.04	0.03	0.80	0.59	7.60	3.66	1.25	0.34	0.18	0.10	0.09	0.12	
21	0.04	0.03	0.77	0.50	8.40	2.90	1.25	0.34	0.18	0.10	0.09	0.10	
22	0.04	0.03	0.62	0.59	4.80	2.40	1.58	0.36	0.18	0.18	0.07	0.09	
23	0.05	0.03	0.62	1.00	6.35	2.40	1.58	0.30	0.17	0.18	0.07	0.13	
24	0.05	0.03	0.50	1.58	2.80	3.00	1.51	0.27	0.13	0.18	0.07	0.12	
25	0.05	0.03	0.50	1.44	2.60	4.52	1.20	0.27	0.12	0.18	0.07	0.12	
26	0.06	0.03	0.46	2.40	2.60	3.22	0.53	0.27	0.11	0.15	0.07	0.12	
27	0.06	0.03	0.38	2.80	2.30	2.40	0.53	0.27	0.11	0.15	0.07	0.12	
28	0.07	0.03	0.40	2.80	2.90	4.94	0.68	0.27	0.10	0.14	0.07	0.10	
29	0.07	0.03	0.38	1.65	3.11	9.00	0.68	0.24	0.11	0.12		0.12	
30	0.07	0.04	0.44	1.79	2.90	5.22	0.62	0.26	0.11	0.11		0.12	
31		0.04		4.80	3.11		0.77		0.10	0.09		0.12	
Total	1.27	1.36	29.66	34.52	144.27	150.80	56.41	14.69	5.50	3.96	2.41	3.51	448.36
Mean	0.04	0.04	0.99	1.11	4.65	5.03	1.82	0.49	0.18	0.13			

WATER YEAR : 2021**YOM RIVER BASIN****Yom River at Ban Tha Tako , Phichit (Y.42)**

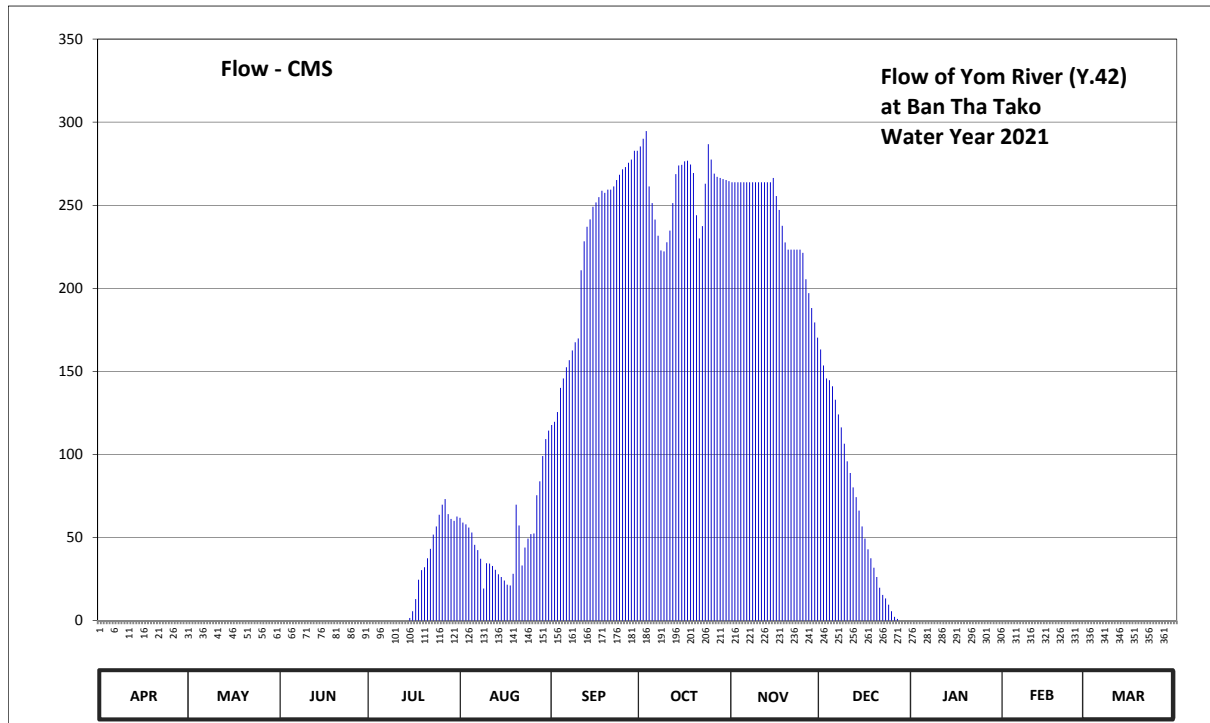
Lat 16 - 18 - 39 N Long 100 - 16 - 18 E

Location : on left bank at Ban Tha Tako

	Ban	Tha Tako	Amphoe	Pho Prathap Chang	Changwat	Phichit
Drainage 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	Fairly stable because of backwater effect.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good.Stage-discharge relation defined by 13 discharge measurements made in 2021.					

Gage Height in Meter (A.D.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.09	0.09	0.09	0.08	3.51	4.84	7.72	7.39	5.73	0.44	0.17	0.85	
2	0.09	0.09	0.09	0.08	3.43	4.88	7.79	7.39	5.55	0.24	0.17	0.80	
3	0.09	0.09	0.09	0.08	3.40	5.00	7.86	7.39	5.40	0.21	0.17	0.80	
4	0.09	0.09	0.09	0.08	3.34	5.29	7.92	7.39	5.38	0.21	0.17	0.80	
5	0.09	0.09	0.09	0.08	3.25	5.40	7.98	7.39	5.31	0.21	0.17	0.75	
6	0.09	0.09	0.09	0.08	3.00	5.53	8.05	7.39	5.15	0.21	0.17	0.75	
7	0.09	0.09	0.09	0.08	2.88	5.61	8.14	7.39	4.97	0.21	0.17	0.75	
8	0.09	0.09	0.09	0.08	2.69	5.72	8.27	7.39	4.81	0.21	0.17	0.75	
9	0.09	0.09	0.09	0.08	1.96	5.81	8.28	7.39	4.60	0.21	0.17	0.60	
10	0.09	0.09	0.09	0.08	2.59	5.85	8.19	7.39	4.37	0.21	0.17	0.49	
11	0.09	0.09	0.09	0.08	2.58	6.55	8.10	7.39	4.21	0.21	0.17	0.39	
12	0.09	0.09	0.09	0.08	2.53	6.83	7.98	7.39	4.00	0.21	0.17	0.39	
13	0.09	0.09	0.09	0.08	2.44	6.97	7.84	7.39	3.85	0.21	0.17	0.39	
14	0.09	0.09	0.09	0.09	2.33	7.04	7.74	7.39	3.63	0.21	0.17	0.39	
15	0.09	0.09	0.09	1.01	2.26	7.16	7.73	7.43	3.36	0.21	0.17	0.39	
16	0.09	0.09	0.09	1.25	2.17	7.20	7.63	7.26	3.13	0.21	0.17	0.39	
17	0.09	0.09	0.09	1.65	2.06	7.25	7.60	7.13	2.90	0.21	0.17	0.39	
18	0.09	0.09	0.09	2.19	2.04	7.31	7.56	6.98	2.70	0.21	0.17	0.39	
19	0.09	0.09	0.09	2.43	2.34	7.29	7.83	6.82	2.49	0.21	0.17	0.39	
20	0.09	0.09	0.09	2.50	3.73	7.32	8.03	6.75	2.26	0.17	0.17	0.39	
21	0.09	0.09	0.09	2.70	3.38	7.32	8.16	6.75	1.98	0.17	0.17	0.35	
22	0.09	0.09	0.09	2.91	2.54	7.35	8.08	6.75	1.78	0.17	0.17	0.31	
23	0.09	0.09	0.09	3.21	2.94	7.41	7.91	6.75	1.67	0.17	0.17	0.30	
24	0.09	0.09	0.09	3.36	3.13	7.46	7.74	6.75	1.47	0.17	0.17	0.30	
25	0.09	0.09	0.09	3.56	3.22	7.51	7.60	6.72	1.25	0.17	0.17	0.30	
26	0.09	0.09	0.09	3.73	3.23	7.53	7.47	6.46	1.05	0.17	0.17	0.30	
27	0.09	0.09	0.09	3.82	3.88	7.57	7.44	6.32	0.97	0.17	0.17	0.30	
28	0.09	0.09	0.09	3.57	4.09	7.60	7.43	6.17	0.90	0.17	0.17	0.30	
29	0.09	0.09	0.09	3.49	4.44	7.68	7.42	6.02	0.72	0.17		0.30	
30	0.09	0.09	0.09	3.46	4.66	7.68	7.41	5.86	0.54	0.17		0.30	
31		0.09		3.53	4.77		7.40		0.51	0.17		0.30	
Mean	0.09	0.09	0.09	1.60	3.06	6.67	7.82	7.01	3.12	0.20	0.17	0.47	
Max	0.09	0.09	0.09	3.82	4.77	7.68	8.28	7.43	5.73	0.44	0.17	0.85	8.28
Min	0.09	0.09	0.09	0.08	1.96	4.84	7.40	5.86	0.51	0.17	0.17	0.30	0.08
Annual Max Momentary Gage Height	8.32			m. (A.D.) ,			at 18.00 Hours , on Oct 8, 2021						
Zero Gage at Bottom Elevation		0.00		m. (A.D.) ,		River Bed	0.71	m. (A.D.)					
Left Bank Elevation		8.82		m. (A.D.) ,									
Right Bank Elevation		9.38		m. (A.D.) ,		Drainage Are	22,808	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	61.96	117.76	285.42	263.86	163.22	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	59.08	119.72	290.04	263.86	153.60	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	58.00	125.60	294.66	263.86	145.80	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	56.05	140.08	261.28	263.86	144.76	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	53.13	145.80	251.32	263.86	141.12	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	45.70	152.56	241.40	263.86	132.95	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	42.46	156.74	231.64	263.86	124.13	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	37.33	162.68	222.84	263.86	116.29	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	19.42	167.57	222.26	263.86	106.50	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	34.63	169.83	227.69	263.86	95.90	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	34.36	210.90	234.80	263.86	88.94	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	33.01	228.28	251.32	263.86	80.20	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	30.70	237.03	268.74	263.86	74.35	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	27.95	241.46	273.90	263.86	66.28	0.00	0.00	0.00	
15	0.00	0.00	0.00	1.67	26.28	249.14	274.30	266.45	56.70	0.00	0.00	0.00	
16	0.00	0.00	0.00	5.68	24.21	251.70	276.41	255.54	49.47	0.00	0.00	0.00	
17	0.00	0.00	0.00	13.05	21.68	254.90	276.80	247.22	43.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	24.67	21.22	258.74	274.48	237.65	37.60	0.00	0.00	0.00	
19	0.00	0.00	0.00	30.45	28.20	257.46	269.43	227.65	31.95	0.00	0.00	0.00	
20	0.00	0.00	0.00	32.20	69.88	259.38	244.04	223.28	26.28	0.00	0.00	0.00	
21	0.00	0.00	0.00	37.60	57.35	259.38	230.06	223.28	19.86	0.00	0.00	0.00	
22	0.00	0.00	0.00	43.27	33.28	261.30	237.44	223.28	15.52	0.00	0.00	0.00	
23	0.00	0.00	0.00	51.83	44.08	265.15	262.94	223.28	13.43	0.00	0.00	0.00	
24	0.00	0.00	0.00	56.70	49.47	268.40	286.74	223.28	9.63	0.00	0.00	0.00	
25	0.00	0.00	0.00	63.76	52.15	271.65	277.50	221.40	5.68	0.00	0.00	0.00	
26	0.00	0.00	0.00	69.88	52.48	272.95	269.05	205.50	2.33	0.00	0.00	0.00	
27	0.00	0.00	0.00	73.18	75.52	275.55	267.10	197.10	1.05	0.00	0.00	0.00	
28	0.00	0.00	0.00	64.12	83.94	277.50	266.45	188.16	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	61.24	99.06	282.78	265.80	179.46	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	60.16	109.29	282.78	265.15	170.39	0.00	0.00	0.00	0.00	
31	0.00	0.00	0.00	62.68	114.41	282.78	264.50	168.18	0.00	0.00	0.00	0.00	
Total	0.00	0.00	0.00	752.14	1556.28	6624.77	8065.50	7206.96	1946.54	0.00	0.00	0.00	26152.19 CMSDAY
Mean	0.00	0.00	0.00	24.26	50.20	220.83	260.18	240.23	62.79	0.00	0.00	0.00	71.65 CMS
Max	0.00	0.00	0.00	73.18	114.41	282.78	294.66	266.45	163.22	0.00	0.00	0.00	294.66 CMS
Min	0.00	0.00	0.00	0.00	19.42	117.76	222.26	170.39	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	0.00	0.00	64.98	134.46	572.38	696.86	622.68	168.18	0.00	0.00	0.00	2259.55 MCM
Momentary Peak	219.88	CMS.	at 8.32 m. (A.D.)	at 18.00 Hours	on Oct 8, 2021								
Runoff Yield	3.14	Liters/Second/Square KM.			Momentary Peak Yield	9.64	Liters/Second/Square KM.						

WATER YEAR : 2021

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
Drainage Area	20,822	sq.km.				
Type of Gage	Staff	gage				
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	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 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.					
Overbank Flow Conditions	Overbank flow starts at elevation +38.860 m.(MSL.), records are channel flow only.					
General Description	Records very good.Stage-discharge relation defined by 18 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	31.48	31.61	31.69	31.93	34.84	36.81	40.32	40.70	36.44	33.77	31.16	31.18	
2	31.48	31.61	31.69	31.95	34.55	36.88	40.56	40.70	35.99	33.60	31.26	31.18	
3	31.49	31.59	31.69	31.97	33.78	36.92	40.84	40.68	35.56	33.31	31.16	31.18	
4	31.49	31.59	31.68	32.01	33.37	36.94	41.04	40.65	35.07	33.11	31.19	31.18	
5	31.51	31.58	31.68	32.03	33.26	36.97	41.27	40.61	34.80	33.06	31.19	31.16	
6	31.51	31.59	31.68	32.07	33.20	36.86	41.46	40.56	34.85	32.99	31.19	31.16	
7	31.51	31.60	31.68	32.11	33.12	36.58	41.56	40.50	34.90	32.65	31.19	31.16	
8	31.51	31.60	31.67	32.15	33.05	36.42	41.56	40.43	34.92	32.57	31.18	31.19	
9	31.51	31.62	31.67	32.20	33.02	36.69	41.50	40.35	34.89	32.48	31.18	31.19	
10	31.51	31.62	31.67	32.27	33.00	37.43	41.41	40.25	34.84	32.43	31.18	31.19	
11	31.53	31.65	31.66	32.39	32.98	37.68	41.34	40.14	35.04	32.36	31.18	31.20	
12	31.53	31.68	31.66	32.46	32.94	37.86	41.36	40.01	35.04	32.25	31.19	31.20	
13	31.53	31.69	31.66	32.58	32.87	37.90	41.30	39.86	34.83	32.17	31.19	31.20	
14	31.55	31.69	31.66	32.60	32.80	37.75	41.21	39.71	34.74	32.13	31.19	31.20	
15	31.55	31.70	31.65	32.73	32.75	37.86	41.12	39.54	34.72	32.07	31.17	31.19	
16	31.55	31.70	31.65	32.85	32.73	38.01	41.03	39.38	34.71	31.85	31.17	31.19	
17	31.56	31.70	31.65	32.89	33.82	38.08	40.95	39.20	34.71	31.76	31.17	31.19	
18	31.56	31.71	31.64	33.08	35.09	38.28	40.87	39.00	34.71	31.71	31.17	31.19	
19	31.57	31.71	31.64	33.21	35.44	38.40	40.83	38.80	34.71	31.65	31.17	31.19	
20	31.57	31.71	31.64	34.67	35.70	38.56	40.77	38.61	34.70	31.60	31.17	31.19	
21	31.57	31.71	31.63	34.77	35.73	38.66	40.71	38.47	34.69	31.57	31.19	31.19	
22	31.58	31.73	31.63	34.79	35.52	38.74	40.71	38.33	34.69	31.53	31.19	31.20	
23	31.58	31.73	31.63	34.88	34.99	38.81	40.78	38.16	34.69	31.19	31.19	31.20	
24	31.58	31.74	31.63	34.93	34.72	38.93	40.74	37.95	34.69	31.26	31.19	31.20	
25	31.59	31.74	31.62	35.26	34.71	39.08	40.69	37.95	34.69	31.27	31.19	31.20	
26	31.59	31.76	31.62	35.36	34.78	39.23	40.65	37.77	34.69	31.23	31.18	31.20	
27	31.61	31.76	31.78	35.23	34.78	39.41	40.60	37.58	34.68	31.23	31.18	31.20	
28	31.61	31.73	31.78	34.95	34.69	39.63	40.59	37.21	33.99	31.23	31.18	31.24	
29	31.61	31.71	31.79	35.03	34.93	39.89	40.62	36.77	33.99	31.23		31.24	
30	31.61	31.69	31.79	35.18	35.92	40.12	40.66	36.51	33.99	31.23		31.24	
31		31.70		35.17	36.62		40.69		33.99	31.19		31.24	
Mean	31.55	31.68	31.67	33.41	34.18	38.05	40.96	39.21	34.80	32.05	31.18	31.20	
Max	31.61	31.76	31.79	35.36	36.62	40.12	41.56	40.70	36.44	33.77	31.26	31.24	41.56
Min	31.48	31.58	31.62	31.93	32.73	36.42	40.32	36.51	33.99	31.19	31.16	31.16	31.16
Annual Max Momentary Gage Height	41.57		m. (MSL.) ,			at 14.00 Hours ,	on Oct 7, 2021						
Zero Gage at Bottom Elevation		32.51	m. (MSL.) ,			River Bed	30.44	m. (MSL.)					
Left Bank Elevation		40.18	m. (MSL.) ,										
Right Bank Elevation		38.85	m. (MSL.) ,			Drainage Are	20,822	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	2.02	51.56	149.64	489.10	545.80	127.04	0.00	0.24	0.27	
2	0.00	0.00	0.00	2.10	41.90	154.08	524.66	545.80	102.11	0.00	0.43	0.27	
3	0.00	0.00	0.00	2.18	21.68	156.62	567.04	542.78	81.76	0.00	0.24	0.27	
4	0.00	0.00	0.00	2.34	13.72	157.89	598.00	538.25	60.53	0.00	0.29	0.27	
5	0.00	0.00	0.00	2.42	12.04	159.80	634.94	532.21	50.00	0.00	0.29	0.24	
6	0.00	0.00	0.00	2.58	11.20	152.81	665.72	524.66	51.95	0.00	0.29	0.24	
7	0.00	0.00	0.00	2.74	10.32	135.58	681.92	515.60	53.90	0.00	0.29	0.24	
8	0.00	0.00	0.00	2.90	9.55	125.82	681.92	505.03	54.68	0.00	0.27	0.29	
9	0.00	0.00	0.00	3.10	9.22	142.29	672.20	493.38	53.51	0.00	0.27	0.29	
10	0.00	0.00	0.00	3.52	9.00	191.66	657.62	479.13	51.56	0.00	0.27	0.29	
11	0.00	0.00	0.00	4.24	8.78	210.10	646.28	463.54	59.36	0.00	0.27	0.30	
12	0.00	0.00	0.00	4.66	8.34	224.17	649.52	445.21	59.36	0.00	0.29	0.30	
13	0.00	0.00	0.00	5.42	7.65	227.35	639.80	425.39	51.17	0.00	0.29	0.30	
14	0.00	0.00	0.00	5.55	7.05	215.53	625.22	406.34	48.02	0.00	0.29	0.30	
15	0.00	0.00	0.00	6.46	6.63	224.17	610.80	385.62	47.36	0.00	0.26	0.29	
16	0.00	0.00	0.00	7.48	6.46	236.12	596.40	366.87	47.03	0.00	0.26	0.29	
17	0.00	0.00	0.00	7.82	22.52	241.86	583.93	346.80	47.03	0.00	0.26	0.29	
18	0.00	0.00	0.00	9.88	61.31	258.46	571.65	325.60	47.03	0.00	0.26	0.29	
19	0.00	0.00	0.00	11.34	76.24	268.60	565.51	306.20	47.03	0.00	0.26	0.29	
20	0.00	0.00	0.00	45.71	88.20	283.16	556.37	287.77	46.70	0.00	0.26	0.29	
21	0.00	0.00	0.00	49.01	89.58	292.62	547.31	274.97	46.37	0.00	0.29	0.29	
22	0.00	0.00	0.00	49.67	79.92	300.38	547.31	262.69	46.37	0.00	0.29	0.30	
23	0.00	0.00	0.00	53.12	57.41	307.17	557.88	248.42	46.37	0.00	0.29	0.30	
24	0.00	0.00	0.00	55.07	47.36	318.81	551.84	231.33	46.37	0.43	0.29	0.30	
25	0.00	0.00	0.00	68.24	47.03	334.08	544.29	231.33	46.37	0.45	0.29	0.30	
26	0.00	0.00	0.00	72.64	49.34	350.15	538.25	217.08	46.37	0.36	0.27	0.30	
27	0.00	0.00	0.00	66.92	49.34	370.28	530.70	202.46	46.04	0.36	0.27	0.30	
28	0.00	0.00	0.00	55.85	46.37	396.42	529.19	175.82	0.00	0.36	0.27	0.39	
29	0.00	0.00	1.60	58.97	55.07	429.34	533.72	147.17	0.00	0.36		0.39	
30	0.00	0.00	1.60	64.82	98.68	460.72	539.76	131.31	0.00	0.36		0.39	
31		0.00		64.43	138.02		544.29		0.00	0.29		0.39	

WATER YEAR : 2021

YOM RIVER BASIN

Nam Pi at Ban Phi Tai , Nan (Y.65)

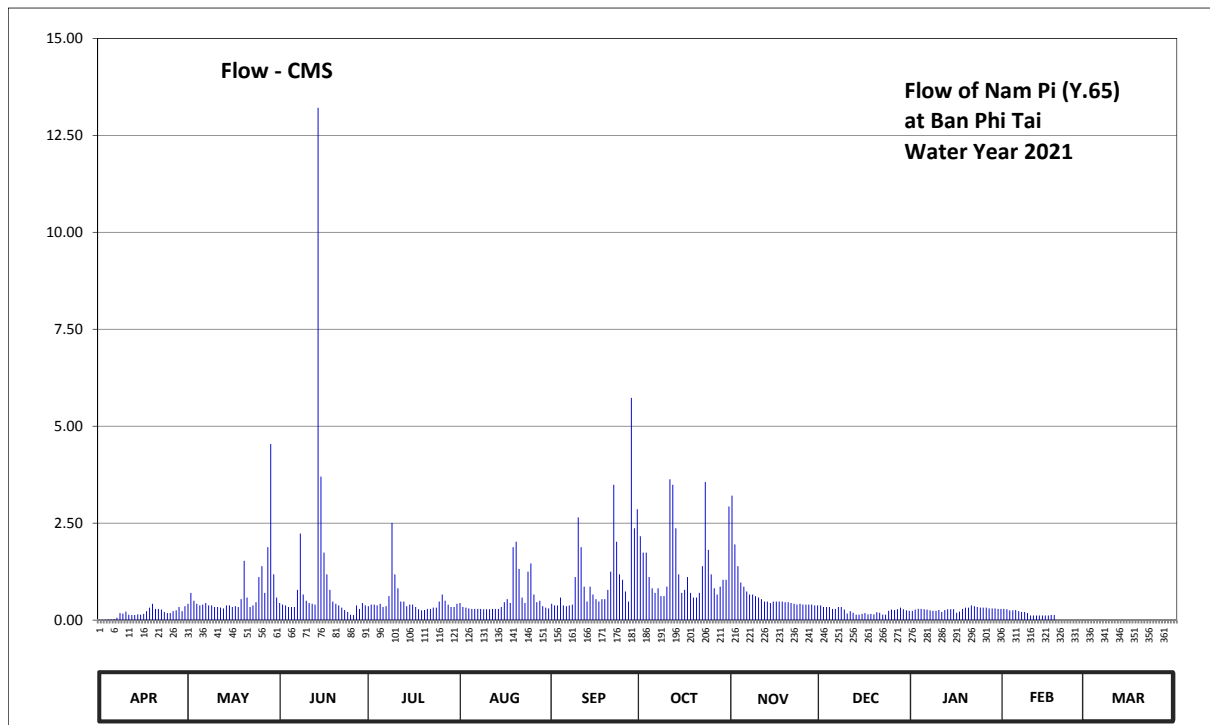
Lat 18 - 52 - 38 N Long 100 - 26 - 20 E

Location : on right bank at the bridge on road.

	Ban Phi Tai	Amphoe Ban Luang	Changwat Nan
Drainage Area	129 sq.km.		
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 31 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	343.67	344.16	344.17	344.13	344.17	344.16	344.48	344.63	344.14	344.03	344.09	344.09	
2	343.67	344.25	344.15	344.15	344.12	344.14	344.42	344.45	344.12	344.06	344.07	344.04	
3	343.67	344.20	344.14	344.15	344.11	344.14	344.42	344.37	344.12	344.09	344.04	343.94	
4	343.69	344.16	344.12	344.14	344.10	344.22	344.33	344.31	344.12	344.09	344.04	344.05	
5	343.69	344.14	344.12	344.16	344.09	344.14	344.28	344.29	344.09	344.08	344.05	344.07	
6	343.74	344.15	344.12	344.12	344.09	344.13	344.25	344.26	344.09	344.06	344.01	344.07	
7	343.81	344.17	344.27	344.13	344.09	344.14	344.28	344.24	344.12	344.04	343.99	344.07	
8	343.95	344.14	344.49	344.23	344.09	344.15	344.23	344.24	344.12	344.03	343.99	344.27	
9	343.94	344.14	344.24	344.53	344.08	344.33	344.23	344.23	344.06	344.03	343.96	344.17	
10	344.00	344.12	344.20	344.34	344.08	344.55	344.29	344.22	343.94	344.05	343.88	344.11	
11	343.91	344.12	344.17	344.28	344.08	344.44	344.69	344.21	344.01	343.99	343.88	344.08	
12	343.89	344.11	344.16	344.19	344.09	344.29	344.67	344.19	343.97	344.05	343.88	344.09	
13	343.89	344.10	344.15	344.19	344.09	344.19	344.51	344.19	343.91	344.07	343.88	344.09	
14	343.92	344.14	345.81	344.13	344.09	344.29	344.34	344.17	343.91	344.07	343.88	344.09	
15	343.91	344.14	344.70	344.15	344.12	344.24	344.25	344.19	343.93	344.07	343.88	344.09	
16	343.93	344.12	344.42	344.15	344.18	344.21	344.27	344.19	343.95	343.97	343.88	344.09	
17	344.01	344.13	344.34	344.12	344.21	344.19	344.33	344.19	343.92	344.00	343.89	344.09	
18	344.11	344.12	344.27	344.07	344.17	344.21	344.25	344.19	343.93	344.09	343.89	344.11	
19	344.16	344.21	344.19	344.04	344.44	344.21	344.22	344.18	343.92	344.11	343.92	344.11	
20	344.09	344.39	344.16	344.05	344.46	344.27	344.22	344.18	343.98	344.11	344.02	344.10	
21	344.09	344.22	344.14	344.09	344.36	344.35	344.25	344.17	343.97	344.14	344.11	344.10	
22	344.06	344.12	344.11	344.09	344.22	344.67	344.37	344.16	343.91	344.13	344.09	344.10	
23	343.99	344.14	344.05	344.11	344.17	344.46	344.68	344.15	343.91	344.12	344.09	344.10	
24	343.96	344.18	343.99	344.11	344.35	344.34	344.43	344.16	344.03	344.11	344.08	344.12	
25	343.96	344.33	343.91	344.19	344.38	344.32	344.34	344.15	344.06	344.11	344.08	344.18	
26	344.01	344.37	343.89	344.24	344.24	344.26	344.28	344.15	344.05	344.11	344.08	344.14	
27	344.04	344.25	344.14	344.20	344.18	344.19	344.24	344.15	344.08	344.10	344.08	344.12	
28	344.12	344.44	344.09	344.15	344.20	344.99	344.29	344.15	344.11	344.10	344.09	344.11	
29	344.01	344.82	344.17	344.12	344.13	344.51	344.32	344.14	344.08	344.10		344.14	
30	344.13	344.34	344.14	344.12	344.11	344.58	344.32	344.14	344.04	344.09		344.33	
31		344.22		344.16	344.10		344.59		344.03	344.09		344.29	
Mean	343.93	344.21	344.23	344.16	344.17	344.31	344.36	344.22	344.02	344.07	343.99	344.11	
Max	344.16	344.82	345.81	344.53	344.46	344.99	344.69	344.63	344.14	344.14	344.11	344.33	345.81
Min	343.67	344.10	343.89	344.04	344.08	344.13	344.22	344.14	343.91	343.97	343.88	343.94	343.67
Annual Max Momentary Gage Height	346.23		m. (MSL.) ,				at 06.00 Hours , on Jun 14, 2021						
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					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.01	0.42	0.44	0.36	0.44	0.42	2.16	3.21	0.38	0.24	0.29	0.00	
2	0.01	0.70	0.40	0.40	0.34	0.38	1.74	1.95	0.34	0.27	0.28	0.00	
3	0.01	0.50	0.38	0.40	0.32	0.38	1.74	1.39	0.34	0.29	0.25	0.00	
4	0.02	0.42	0.34	0.38	0.30	0.58	1.11	0.97	0.34	0.29	0.25	0.00	
5	0.02	0.38	0.34	0.42	0.29	0.38	0.82	0.86	0.29	0.28	0.26	0.00	
6	0.03	0.40	0.34	0.34	0.29	0.36	0.70	0.74	0.29	0.27	0.23	0.00	
7	0.06	0.44	0.78	0.36	0.29	0.38	0.82	0.66	0.34	0.25	0.21	0.00	
8	0.18	0.38	2.23	0.62	0.29	0.40	0.62	0.66	0.34	0.24	0.21	0.00	
9	0.17	0.38	0.66	2.51	0.28	1.11	0.62	0.62	0.27	0.24	0.18	0.00	
10	0.22	0.34	0.50	1.18	0.28	2.65	0.86	0.58	0.17	0.26	0.12	0.00	
11	0.14	0.34	0.44	0.82	0.28	1.88	3.63	0.54	0.23	0.21	0.12	0.00	
12	0.13	0.32	0.42	0.48	0.29	0.86	3.49	0.48	0.19	0.26	0.12	0.00	
13	0.13	0.30	0.40	0.48	0.29	0.48	2.37	0.48	0.14	0.28	0.12	0.00	
14	0.15	0.38	13.21	0.36	0.29	0.86	1.18	0.44	0.14	0.28	0.12	0.00	
15	0.14	0.38	3.70	0.40	0.34	0.66	0.70	0.48	0.16	0.28	0.12	0.00	
16	0.16	0.34	1.74	0.40	0.46	0.54	0.78	0.48	0.18	0.19	0.12	0.00	
17	0.23	0.36	1.18	0.34	0.54	0.48	1.11	0.48	0.15	0.22	0.13	0.00	
18	0.32	0.34	0.78	0.28	0.44	0.54	0.70	0.48	0.16	0.29	0.13	0.00	
19	0.42	0.54	0.48	0.25	1.88	0.54	0.58	0.46	0.15	0.32	0.00	0.00	
20	0.29	1.53	0.42	0.26	2.02	0.78	0.58	0.46	0.20	0.32	0.00	0.00	
21	0.29	0.58	0.38	0.29	1.32	1.25	0.70	0.44	0.19	0.38	0.00	0.00	
22	0.27	0.34	0.32	0.29	0.58	3.49	1.39	0.42	0.14	0.36	0.00	0.00	
23	0.21	0.38	0.26	0.32	0.44	2.02	3.56	0.40	0.14	0.34	0.00	0.00	
24	0.18	0.46	0.21	0.32	1.25	1.18	1.81	0.42	0.24	0.32	0.00	0.00	
25	0.18	1.11	0.14	0.48	1.46	1.04	1.18	0.40	0.27	0.32	0.00	0.00	
26	0.23	1.39	0.13	0.66	0.66	0.74	0.82	0.40	0.26	0.32	0.00	0.00	
27	0.25	0.70	0.38	0.50	0.46	0.48	0.66	0.40	0.28	0.30	0.00	0.00	
28	0.34	1.88	0.29	0.40	0.50	5.73	0.86	0.40	0.32	0.30	0.00	0.00	
29	0.23	4.54	0.44	0.34	0.36	2.37	1.04	0.38	0.28	0.30		0.00	
30	0.36	1.18	0.38	0.34	0.32	2.86	1.04	0.38	0.25	0.29		0.00	
31		0.58		0.42	0.30		2.93		0.24	0.29		0.00	
Total	5.38	22.33	32.11	15.40	17.60	35.82	42.30	20.46	7.41	8.80	3.26	0.00	210.87 CMSDAY
Mean	0.18	0.72	1.07	0.50	0.57	1.19	1.36	0.68	0.24	0.28	0.12	0.00	0.58 CMS
Max	0.42	4.54	13.21	2.51	2.02	5.73	3.63	3.21	0.38	0.38	0.29	0.00	13.21 CMS
Min	0.01	0.30	0.13	0.25	0.28	0.36	0.58	0.38	0.14	0.19	0.00	0.00	0.00 CMS
Runoff	0.46	1.93	2.77	1.33	1.52	3.09	3.65	1.77	0.64	0.76	0.28	0.00	18.22 MCM
Momentary Peak	17.63 CMS. at 346.23 m. (MSL.) at 06.00 Hours , on Jun 14, 2021												
Runoff Yield	4.48	Liters/Second/Square KM.			Momentary Peak Yield			136.67	Liters/Second/Square KM.				

WATER YEAR : 2021**NAN RIVER BASIN****Nan River at Forestry Office , Nan (N.1)**

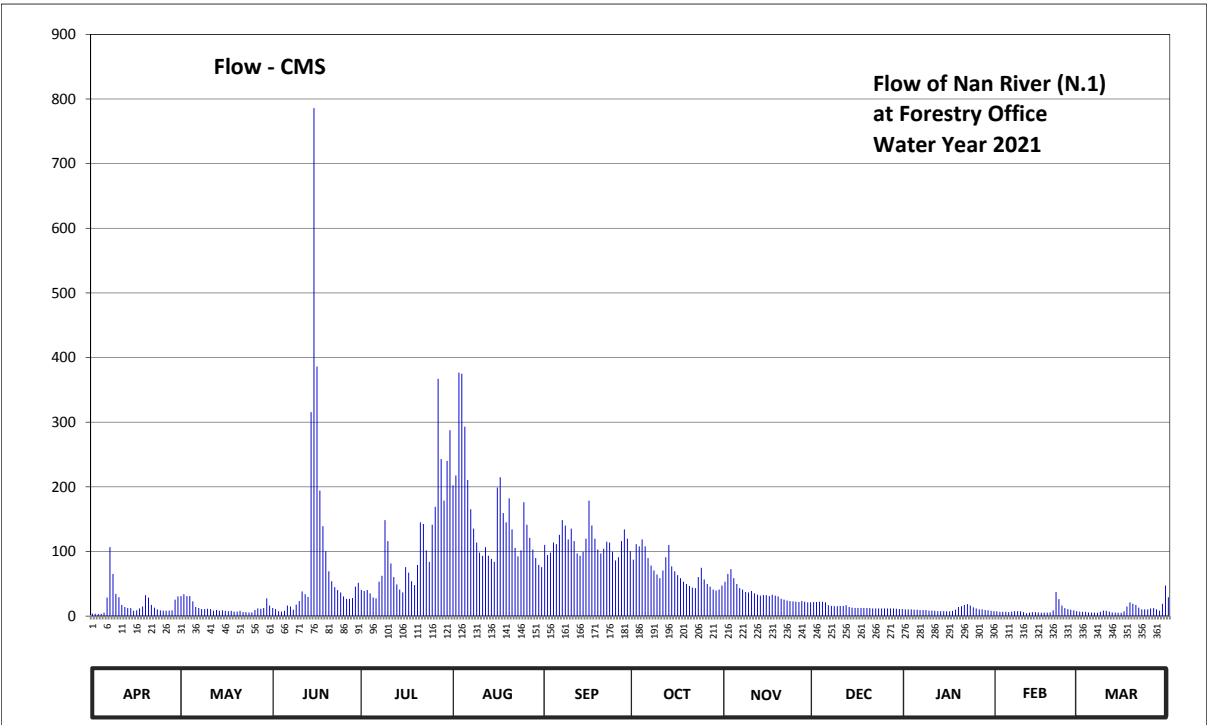
Lat 18 - 46 - 30 N Long 100 - 46 - 47 E

Location : on right bank in front of Forestry Office.

	Ban	Forestry Office	Amphoe	Mueang	Changwat	Nan
Drainage Area	4,570	sq.km.				
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 35 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

	Gage Height in Meter (MSL) Water Year April 1, 2021 to March 31, 2021												
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	191.85	192.40	192.07	192.53	193.98	193.21	193.02	192.69	192.24	192.02	191.95	191.94	
2	191.84	192.44	192.03	192.51	194.09	193.08	193.22	192.82	192.24	192.02	191.93	191.93	
3	191.83	192.40	191.96	192.53	195.20	193.11	193.19	192.89	192.25	192.02	191.93	191.93	
4	191.84	192.40	191.94	192.46	195.19	193.24	193.28	192.75	192.25	192.01	191.93	191.91	
5	191.90	192.26	191.97	192.36	194.63	193.22	193.19	192.65	192.23	192.01	191.92	191.90	
6	192.36	192.10	192.14	192.34	194.04	193.34	193.04	192.57	192.15	192.00	191.94	191.90	
7	193.18	192.07	192.11	192.69	193.67	193.53	192.94	192.54	192.13	192.00	191.96	191.89	
8	192.82	192.03	192.01	192.79	193.42	193.46	192.87	192.49	192.12	192.00	191.96	191.93	
9	192.45	192.03	192.17	193.53	193.24	193.28	192.81	192.48	192.12	191.98	191.95	191.98	
10	192.37	192.04	192.27	193.26	193.11	193.42	192.75	192.51	192.13	191.98	191.92	191.97	
11	192.16	192.03	192.50	192.97	193.07	193.26	192.87	192.46	192.13	191.97	191.86	191.94	
12	192.10	191.98	192.44	192.77	193.18	193.10	193.05	192.43	192.15	191.96	191.90	191.91	
13	192.06	192.00	192.38	192.64	193.07	193.07	193.21	192.41	192.10	191.96	191.92	191.90	
14	192.06	191.98	194.79	192.54	193.03	193.12	192.93	192.42	192.08	191.96	191.92	191.89	
15	191.97	191.99	197.65	192.48	192.99	193.29	192.86	192.42	192.07	191.95	191.91	191.89	
16	191.99	191.97	195.26	192.92	193.95	193.78	192.80	192.40	192.07	191.95	191.89	191.95	
17	192.05	191.96	193.91	192.84	194.07	193.46	192.75	192.43	192.07	191.97	191.90	192.11	
18	192.11	191.97	193.45	192.70	193.62	193.29	192.69	192.41	192.07	192.01	191.90	192.23	
19	192.42	191.94	193.13	192.63	193.50	193.15	192.65	192.39	192.07	192.10	191.91	192.19	
20	192.36	191.94	192.86	192.95	193.81	193.10	192.61	192.33	192.06	192.12	191.99	192.16	
21	192.16	191.97	192.70	193.50	193.41	193.16	192.58	192.31	192.05	192.16	192.49	192.08	
22	192.08	191.92	192.59	193.48	193.17	193.25	192.57	192.28	192.05	192.18	192.32	192.02	
23	192.02	191.92	192.53	193.14	193.06	193.24	192.77	192.27	192.05	192.14	192.14	192.02	
24	191.99	191.91	192.48	192.99	193.14	193.12	192.91	192.26	192.05	192.09	192.06	192.02	
25	191.98	191.91	192.39	193.47	193.76	193.01	192.73	192.25	192.05	192.05	192.03	192.05	
26	191.97	192.00	192.33	193.70	193.47	193.05	192.65	192.24	192.05	192.02	192.01	192.06	
27	191.98	192.05	192.33	195.14	193.30	193.26	192.60	192.27	192.05	192.02	191.99	192.02	
28	191.99	192.04	192.35	194.27	193.15	193.41	192.54	192.25	192.05	192.00	191.96	191.98	
29	192.31	192.07	192.60	193.78	193.04	193.29	192.52	192.23	192.04	191.99		192.19	
30	192.39	192.34	192.67	194.25	192.95	193.13	192.54	192.23	192.03	191.97		192.62	
31		192.14		194.59	192.92		192.62		192.03	191.96		192.37	
Mean	192.15	192.07	192.80	193.12	193.56	193.25	192.83	192.44	192.10	192.02	191.98	192.03	
Max	193.18	192.44	197.65	195.14	195.20	193.78	193.28	192.89	192.25	192.18	192.49	192.62	197.65
Min	191.83	191.91	191.94	192.34	192.92	193.01	192.52	192.23	192.03	191.95	191.86	191.89	191.83
Annual Max Momentary Gage Height	197.79	m. (MSL.) ,		at 13.00 Hours , on Jun 15, 2021									
Zero Gage at Bottom Elevation	192.20	m. (MSL.) ,		River Bed		188.73	m. (MSL.)						
Left Bank Elevation	204.23	m. (MSL.) ,											
Right Bank Elevation	204.15	m. (MSL.) ,		Drainage Are		4,570	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	4.05	31.00	12.73	40.28	202.60	110.20	87.40	53.16	21.70	10.28	7.35	6.96		
2	3.78	33.80	10.77	38.76	217.60	94.60	111.40	65.34	21.70	10.28	6.57	6.57		
3	3.51	31.00	7.74	40.28	376.67	98.20	107.80	72.48	22.25	10.28	6.57	6.57		
4	3.78	31.00	6.96	35.20	375.08	113.80	118.60	58.65	22.25	9.79	6.57	5.79		
5	5.40	22.80	8.13	28.60	293.20	111.40	107.80	49.80	21.15	9.79	6.18	5.40		
6	28.60	14.20	16.32	27.40	210.60	125.80	89.80	43.32	16.85	9.30	6.96	5.40		
7	106.60	12.73	14.73	53.16	165.40	148.60	78.10	41.04	15.79	9.30	7.74	5.13		
8	65.34	10.77	9.79	62.37	135.40	140.20	70.44	37.30	15.26	9.30	7.74	6.57		
9	34.50	10.77	17.91	148.60	113.80	118.60	64.32	36.60	15.26	8.52	7.35	8.52		
10	29.20	11.26	23.35	116.20	98.20	135.40	58.65	38.76	15.79	8.52	6.18	8.13		
11	17.38	10.77	38.00	81.55	93.40	116.20	70.44	35.20	15.79	8.13	4.32	6.96		
12	14.20	8.52	33.80	60.51	106.60	97.00	91.00	33.10	16.85	7.74	5.40	5.79		
13	12.24	9.30	29.80	48.96	93.40	93.40	110.20	31.70	14.20	7.74	6.18	5.40		
14	12.24	8.52	315.60	41.04	88.60	99.40	76.95	32.40	13.22	7.74	6.18	5.13		
15	8.13	8.91	786.00	36.60	83.85	119.80	69.42	32.40	12.73	7.35	5.79	5.13		
16	8.91	8.13	386.17	75.80	199.00	178.60	63.30	31.00	12.73	7.35	5.13	7.35		
17	11.75	7.74	194.20	67.38	214.80	140.20	58.65	33.10	12.73	8.13	5.40	14.73		
18	14.73	8.13	139.00	54.00	159.40	119.80	53.16	31.70	12.73	9.79	5.40	21.15		
19	32.40	6.96	100.60	48.12	145.00	103.00	49.80	30.40	12.73	14.20	5.79	18.97		
20	28.60	6.96	69.42	79.25	182.20	97.00	46.44	26.80	12.24	15.26	8.91	17.38		
21	17.38	8.13	54.00	145.00	134.20	104.20	44.08	25.60	11.75	17.38	37.30	13.22		
22	13.22	6.18	44.84	142.60	105.40	115.00	43.32	23.90	11.75	18.44	26.20	10.28		
23	10.28	6.18	40.28	101.80	92.20	113.80	60.51	23.35	11.75	16.32	16.32	10.28		
24	8.91	5.79	36.60	83.85	101.80	99.40	74.65	22.80	11.75	13.71	12.24	10.28		
25	8.52	5.79	30.40	141.40	176.20	86.20	56.79	22.25	11.75	11.75	10.77	11.75		
26	8.13	9.30	26.80	169.00	141.40	91.00	49.80	21.70	11.75	10.28	9.79	12.24		
27	8.52	11.75	26.80	367.17	121.00	116.20	45.60	23.35	11.75	10.28	8.91	10.28		
28	8.91	11.26	28.00	242.80	103.00	134.20	41.04	22.25	11.75	9.30	7.74	8.52		
29	25.60	12.73	45.60	178.60	89.80	119.80	39.52	21.15	11.26	8.91		18.97		
30	30.40	27.40	51.48	240.00	79.25	100.60	41.04	21.15	10.77	8.13		47.28		
31		16.32		287.60	75.80		47.28		10.77	7.74		29.20		
Total	585.21	414.10	2605.82	3283.88	4774.85	3441.60	2127.30	1041.75	450.75	321.03	256.98	355.33	19658.60	CMSDAY
Mean	19.51	13.36	86.86	105.93	154.03	114.72	68.62	34.73	14.54	10.36	9.18	11.46	53.86	CMS
Max	106.60	33.80	786.00	367.17	376.67	178.60	118.60	72.48	22.25	18.44	37.30	47.28	786.00	CMS
Min	3.51	5.79	6.96	27.40	75.80	86.20	39.52	21.15	10.77	7.35	4.32	5.13	3.51	CMS
Runoff	50.56	35.78	225.14	283.73	412.55	297.35	183.80	90.01	38.94	27.74	22.20	30.70	1698.50	MCM
Momentary Peak	811.20 CMS. at 197.79 m. (MSL.) at 13.00 Hours , on Jun 15, 2021													
Runoff Yield	11.79	Liters/Second/Square KM.		Momentary Peak Yield		177.51	Liters/Second/Square KM.							

WATER YEAR : 2021**NAN RIVER BASIN****Nan River at Nai Mueang , Uttaradit (N.2B)**

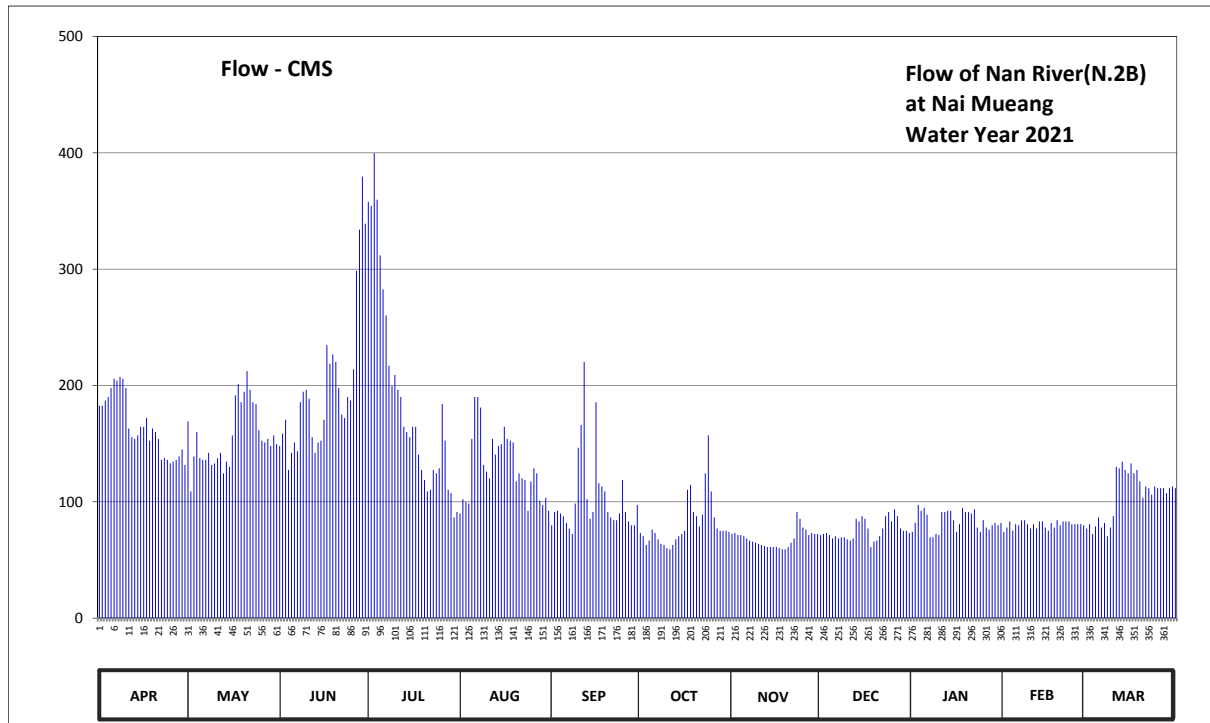
Lat 17 - 36 - 36 N Long 100 - 05 - 59 E

Location : on right bank at Mueang, Uttaradit.

	Ban	Nai Mueang	Amphoe	Mueang	Changwat	Uttaradit
Drainage Area	16,744	sq.km.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+52.300	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the gage site.				Elevation	+63.138 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1993 to date					
Rating Operation						
Period of Rating	1993 to date					
Rated by 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 21 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	53.23	53.14	53.00	54.31	52.58	52.49	52.42	52.41	52.40	52.43	52.43	52.46	
2	53.23	52.73	53.07	54.29	52.68	52.59	52.39	52.42	52.41	52.51	52.47	52.50	
3	53.26	52.94	53.15	54.54	52.66	52.60	52.31	52.40	52.42	52.64	52.52	52.41	
4	53.28	53.08	52.86	54.32	52.65	52.58	52.35	52.40	52.40	52.60	52.44	52.48	
5	53.33	52.93	52.96	54.04	53.04	52.56	52.45	52.39	52.37	52.62	52.50	52.55	
6	53.38	52.92	53.02	53.86	53.28	52.51	52.42	52.37	52.39	52.57	52.49	52.47	
7	53.37	52.92	52.97	53.72	53.28	52.46	52.36	52.35	52.37	52.38	52.53	52.51	
8	53.39	52.96	53.25	53.45	53.22	52.41	52.32	52.34	52.38	52.38	52.53	52.39	
9	53.38	52.89	53.31	53.34	52.89	52.65	52.31	52.33	52.38	52.41	52.50	52.47	
10	53.33	52.90	53.32	53.40	52.85	52.99	52.28	52.32	52.36	52.40	52.46	52.56	
11	53.10	52.93	53.27	53.32	52.81	53.12	52.27	52.31	52.35	52.59	52.50	52.88	
12	53.05	52.96	53.05	53.28	53.04	53.47	52.31	52.30	52.37	52.59	52.46	52.87	
13	53.04	52.84	52.96	53.11	52.95	52.68	52.36	52.29	52.54	52.60	52.52	52.91	
14	53.06	52.91	53.02	53.08	53.00	52.54	52.39	52.29	52.52	52.60	52.52	52.86	
15	53.11	52.88	53.03	53.05	53.01	52.59	52.41	52.29	52.56	52.53	52.47	52.84	
16	53.11	53.06	53.15	53.11	53.11	53.25	52.44	52.29	52.54	52.43	52.44	52.90	
17	53.16	53.29	53.56	53.11	53.04	52.78	52.74	52.28	52.46	52.50	52.51	52.84	
18	53.03	53.35	53.46	52.95	53.03	52.76	52.77	52.27	52.29	52.62	52.47	52.86	
19	53.10	53.25	53.51	52.86	53.02	52.73	52.59	52.27	52.34	52.59	52.53	52.79	
20	53.08	53.31	53.47	52.80	52.79	52.59	52.56	52.29	52.35	52.59	52.49	52.69	
21	53.04	53.42	53.33	52.73	52.84	52.55	52.48	52.33	52.39	52.58	52.52	52.76	
22	52.92	53.32	53.18	52.74	52.81	52.53	52.57	52.37	52.46	52.61	52.52	52.75	
23	52.93	53.25	53.16	52.86	52.80	52.53	52.84	52.59	52.56	52.47	52.52	52.71	
24	52.92	53.24	53.28	52.84	52.60	52.58	53.06	52.54	52.59	52.43	52.50	52.76	
25	52.90	53.09	53.26	52.87	52.79	52.80	52.73	52.47	52.52	52.53	52.50	52.75	
26	52.91	53.03	53.43	53.24	52.87	52.59	52.55	52.45	52.61	52.47	52.50	52.75	
27	52.92	53.02	53.96	53.03	52.84	52.52	52.46	52.40	52.56	52.45	52.50	52.75	
28	52.94	53.04	54.17	52.74	52.67	52.49	52.44	52.42	52.46	52.49	52.49	52.72	
29	52.98	53.00	54.43	52.72	52.64	52.49	52.44	52.41	52.44	52.51		52.75	
30	52.89	53.06	54.20	52.55	52.69	52.64	52.44	52.41	52.44	52.49		52.76	
31		53.01		52.59	52.60		52.43		52.42	52.51		52.75	
Mean	53.11	53.05	53.33	53.25	52.87	52.67	52.48	52.37	52.44	52.52	52.49	52.69	
Max	53.39	53.42	54.43	54.54	53.28	53.47	53.06	52.59	52.61	52.64	52.53	52.91	54.54
Min	52.89	52.73	52.86	52.55	52.58	52.41	52.27	52.29	52.38	52.43	52.39	52.27	
Annual Max Momentary Gage Height	55.09		m. (MSL.) ,				at 09.00 Hours , on Jul 3, 2021						
Zero Gage at Bottom Elevation		52.30	m. (MSL.) ,			River Bed	47.80	m. (MSL.)					
Left Bank Elevation		60.59	m. (MSL.) ,										
Right Bank Elevation		60.48	m. (MSL.) ,			Drainage Are	16,744	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	182.50	169.00	148.00	357.80	89.98	79.76	73.21	72.27	71.33	74.14	74.14	76.95		
	2	182.50	108.86	158.50	354.30	102.14	91.14	70.40	73.21	72.27	81.86	77.89	80.70		
	3	187.00	139.00	170.50	399.60	99.68	92.30	62.90	71.33	73.21	97.22	83.02	72.27		
	4	190.00	160.00	127.32	359.60	98.45	89.98	66.65	71.33	71.33	92.30	75.08	78.83		
	5	197.80	137.50	142.00	311.80	154.00	87.66	76.02	70.40	68.52	94.76	80.70	86.50		
	6	205.80	136.00	151.00	282.60	190.00	81.86	73.21	68.52	70.40	88.82	79.76	77.89		
	7	204.20	136.00	143.50	260.20	190.00	76.95	67.59	66.65	68.52	69.46	84.18	81.86		
	8	207.40	142.00	185.50	217.00	181.00	72.27	63.84	65.71	69.46	69.46	84.18	70.40		
	9	205.80	131.58	194.60	199.40	131.58	98.45	62.90	64.78	69.46	72.27	80.70	77.89		
	10	197.80	133.00	196.20	209.00	125.90	146.50	60.09	63.84	67.59	71.33	76.95	87.66		
	11	163.00	137.50	188.50	196.20	120.22	166.00	59.16	62.90	66.65	91.14	80.70	130.16		
	12	155.50	142.00	155.50	190.00	154.00	220.20	62.90	61.97	68.52	91.14	76.95	128.74		
	13	154.00	124.48	142.00	164.50	140.50	102.14	67.59	61.03	85.34	92.30	83.02	134.50		
	14	157.00	134.50	151.00	160.00	148.00	85.34	70.40	61.03	83.02	92.30	83.02	127.32		
	15	164.50	130.16	152.50	155.50	149.50	91.14	72.27	61.03	87.66	84.18	77.89	124.48		
	16	164.50	157.00	170.50	164.50	164.50	185.50	75.08	61.03	85.34	74.14	75.08	133.00		
	17	172.00	191.50	234.60	164.50	154.00	115.96	110.28	60.09	76.95	80.70	81.86	124.48		
	18	152.50	201.00	218.60	140.50	152.50	113.12	114.54	59.16	61.03	94.76	77.89	127.32		
	19	163.00	185.50	226.60	127.32	151.00	108.86	91.14	59.16	65.71	91.14	84.18	117.38		
	20	160.00	194.60	220.20	118.80	117.38	91.14	87.66	61.03	66.65	91.14	79.76	103.37		
	21	154.00	212.20	197.80	108.86	124.48	86.50	78.83	64.78	70.40	89.98	83.02	113.12		
	22	136.00	196.20	175.00	110.28	120.22	84.18	88.82	68.52	76.95	93.53	83.02	111.70		
	23	137.50	185.50	172.00	127.32	118.80	84.18	124.48	91.14	87.66	77.89	83.02	106.02		
	24	136.00	184.00	190.00	124.48	92.30	89.98	157.00	85.34	91.14	74.14	80.70	113.12		
	25	133.00	161.50	187.00	128.74	117.38	118.80	108.86	77.89	83.02	84.18	80.70	111.70		
	26	134.50	152.50	213.80	184.00	128.74	91.14	86.50	76.02	93.53	77.89	80.70	111.70		
	27	136.00	151.00	298.60	152.50	124.48	83.02	76.95	71.33	87.66	76.02	80.70	111.70		
	28	139.00	154.00	333.90	110.28	100.91	79.76	75.08	73.21	76.95	79.76	79.76	107.44		
	29	145.00	148.00	379.40	107.44	97.22	79.76	75.08	72.27	75.08	81.86		111.70		
	30	131.58	157.00	339.00	86.50	103.37	97.22	75.08	72.27	75.08	79.76		113.12		
	31		149.50		91.14	92.30		74.14		73.21	81.86		111.70		
Total		4949.38	4842.58	5963.62	5864.66	4034.53	3090.81	2508.65	2049.24	2339.64	2591.43	2248.57	3264.72	43747.83	CMSDAY
Mean		164.98	156.21	198.79	189.18	130.15	103.03	80.92	68.31	75.47	83.59	80.31	105.31	119.86	CMS
Max		207.40	212.20	379.40	399.60	190.00	220.20	157.00	91.14	93.53	97.22	84.18	134.50	399.60	CMS
Min		131.58	108.86	127.32	86.50	89.98	72.27	59.16	59.16	61.03	69.46	74.14	70.40	59.16	CMS
Runoff		427.63	418.40	515.26	506.71	348.58	267.05	216.75	177.05	202.14	223.90	194.28	282.07	3779.81	MCM
Momentary Peak			504.10	CMS. at 55.09 m. (MSL.) at 09.00 Hours , on Jul 3, 2021											
Runoff Yield		7.16		Liters/Second/Square KM.				Momentary Peak Yield		30.11	Liters/Second/Square KM.				

WATER YEAR : 2021**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.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+34.500	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the automatic gage building.				Elevation	+46.153 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	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 very good. Flow effected by Naresuan Dam.					
	Stage-discharge relation defined by 30 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	36.01	35.89	36.03	37.69	36.01	36.45	38.11	37.47	35.46	35.42	35.39	35.42	
2	36.10	36.12	36.07	37.91	35.81	36.59	38.15	37.46	35.46	35.44	35.40	35.38	
3	36.04	36.13	36.19	37.77	35.69	36.36	38.36	37.37	35.44	35.41	35.41	35.39	
4	36.19	35.87	36.06	38.03	35.85	36.22	38.57	37.09	35.45	35.37	35.44	35.42	
5	36.34	36.00	36.08	38.20	35.79	35.98	38.61	37.02	35.43	35.35	35.46	35.31	
6	36.37	35.93	36.01	37.89	35.71	35.68	38.42	36.92	35.43	35.39	35.49	35.50	
7	36.91	35.67	36.12	37.59	36.14	35.48	37.98	36.82	35.43	35.39	35.46	35.36	
8	36.68	35.60	36.23	37.51	36.34	35.37	37.61	36.62	35.45	35.50	35.46	35.40	
9	36.79	35.80	36.28	37.22	36.35	35.82	37.22	36.11	35.46	35.62	35.50	35.40	
10	36.94	35.86	36.44	36.88	36.11	37.42	36.94	35.90	35.46	35.52	35.46	35.41	
11	36.92	35.79	36.54	36.72	36.03	38.82	36.74	35.95	35.45	35.50	35.46	35.39	
12	36.63	35.75	36.55	37.02	35.67	39.35	36.93	35.91	35.44	35.44	35.45	35.38	
13	36.33	35.76	36.37	37.01	35.90	38.91	37.33	35.70	35.42	35.47	35.41	35.34	
14	36.21	35.50	36.15	36.82	35.93	38.04	37.45	35.65	35.40	35.43	35.38	35.34	
15	36.20	35.49	36.11	36.47	36.20	37.20	37.88	35.53	35.39	35.34	35.40	35.46	
16	36.32	35.94	36.27	36.25	36.38	37.03	37.35	35.45	35.39	35.34	35.53	35.48	
17	36.52	36.08	36.48	36.26	36.24	37.66	37.45	35.42	35.43	35.36	35.51	35.59	
18	36.63	36.16	36.83	36.32	36.33	38.09	38.31	35.36	35.47	35.44	35.43	35.70	
19	36.59	36.29	36.86	36.05	36.21	37.94	38.66	35.28	35.44	35.43	35.43	35.87	
20	36.54	36.18	36.80	36.05	36.36	37.74	38.57	35.37	35.42	35.44	35.50	36.25	
21	36.50	36.21	36.79	36.00	36.15	37.39	38.29	35.36	35.41	35.48	35.59	36.23	
22	36.20	36.49	36.61	35.80	35.98	37.37	37.99	35.55	35.35	35.64	35.55	36.27	
23	36.02	36.46	36.46	36.13	36.05	36.99	38.38	35.63	35.35	35.53	35.70	36.27	
24	35.84	36.36	36.35	36.38	35.97	37.50	39.05	35.51	35.37	35.40	35.62	36.18	
25	35.89	36.23	36.41	36.41	35.68	38.28	39.39	35.53	35.39	35.40	35.63	35.85	
26	35.74	36.61	36.40	36.54	35.62	38.67	39.16	35.59	35.38	35.41	35.62	35.71	
27	35.90	36.36	36.56	37.18	35.79	38.54	38.68	35.54	35.44	35.43	35.55	35.65	
28	35.85	36.12	37.01	37.24	36.25	38.30	38.51	35.47	35.49	35.38	35.48	35.62	
29	35.98	35.99	37.52	36.57	36.49	38.23	38.38	35.51	35.45	35.39		35.63	
30	35.95	36.13	37.49	36.09	36.71	38.15	38.23	35.47	35.41	35.46		35.66	
31		36.10		35.97	36.62		37.81		35.43	35.40		35.81	
Mean	36.30	36.03	36.47	36.84	36.08	37.39	38.08	35.99	35.43	35.44	35.49	35.63	
Max	36.94	36.61	37.52	38.20	36.71	39.35	39.39	37.47	35.49	35.64	35.70	36.27	39.39
Min	35.74	35.49	36.01	35.80	35.62	35.37	36.74	35.28	35.35	35.34	35.38	35.31	35.28
Annual Max Momentary Gage Height	39.47		m. (MSL.) ,			at 04.00 Hours , on Sep 12, 2021							
Zero Gage at Bottom Elevation		34.50	m. (MSL.) ,			River Bed	30.98	m. (MSL.)					
Left Bank Elevation		44.94	m. (MSL.) ,										
Right Bank Elevation		49.79	m. (MSL.) ,			Drainage Are	24,876	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	123.69	114.82	125.26	271.55	123.69	159.25	312.00	250.65	85.78	83.26	81.43	83.26	
2	130.75	132.32	128.40	292.45	108.94	171.15	316.00	249.70	85.78	84.52	82.00	80.86	
3	126.04	133.11	137.82	279.15	100.72	151.72	337.00	241.15	84.52	82.63	82.63	81.43	
4	137.82	113.35	127.61	304.00	111.88	140.24	358.00	215.10	85.15	80.29	84.52	83.26	
5	150.08	122.90	129.18	321.00	107.52	121.43	362.00	208.80	83.89	79.15	85.78	76.87	
6	152.54	117.76	123.69	290.55	102.08	100.04	343.00	199.80	83.89	81.43	87.67	88.30	
7	198.90	99.36	132.32	262.05	133.89	87.04	299.10	190.80	83.89	81.43	85.78	79.72	
8	178.80	94.60	141.06	254.45	150.08	80.29	263.95	173.70	85.15	88.30	85.78	82.00	
9	188.15	108.20	145.16	226.90	150.90	109.67	226.90	131.54	85.78	95.96	88.30	82.00	
10	201.60	112.61	158.40	196.20	131.54	245.90	201.60	115.55	85.78	89.56	85.78	82.63	
11	199.80	107.52	166.90	182.20	125.26	383.00	183.90	119.23	85.15	88.30	85.78	81.43	
12	174.55	104.80	167.75	208.80	99.36	436.00	200.70	116.29	84.52	84.52	85.15	80.86	
13	149.26	105.48	152.54	207.90	115.55	392.00	237.35	101.40	83.26	86.41	82.63	78.58	
14	139.42	88.30	134.68	190.80	117.76	305.00	248.75	98.00	82.00	83.89	80.86	78.58	
15	138.60	87.67	131.54	160.95	138.60	225.00	289.60	90.19	81.43	78.58	82.00	85.78	
16	148.44	118.49	144.34	142.70	153.36	209.70	239.25	85.15	81.43	78.58	90.19	87.04	
17	165.20	129.18	161.80	143.52	141.88	268.70	248.75	83.26	83.89	79.72	88.93	93.97	
18	174.55	135.46	191.70	148.44	149.26	310.00	332.00	79.72	86.41	84.52	83.89	101.40	
19	171.15	145.98	194.40	126.83	139.42	295.30	367.00	75.16	84.52	83.89	83.89	113.35	
20	166.90	137.03	189.00	126.83	151.72	276.30	358.00	80.29	83.26	84.52	88.30	142.70	
21	163.50	139.42	188.15	122.90	134.68	243.05	330.00	79.72	82.63	87.04	93.97	141.06	
22	138.60	162.65	172.85	108.20	121.43	241.15	300.05	91.45	79.15	97.32	91.45	144.34	
23	124.47	160.10	160.10	133.11	126.83	206.10	339.00	96.64	79.15	90.19	101.40	144.34	
24	111.14	151.72	150.90	153.36	120.70	253.50	406.00	88.93	80.29	82.00	95.96	137.03	
25	114.82	141.06	155.85	155.85	100.04	329.00	440.00	90.19	81.43	82.00	96.64	111.88	
26	104.12	172.85	155.00	166.90	95.96	368.00	417.00	93.97	80.86	82.63	95.96	102.08	
27	115.55	151.72	168.60	223.20	107.52	355.00	369.00	90.82	84.52	83.89	91.45	98.00	
28	111.88	132.32	207.90	228.80	142.70	331.00	352.00	86.41	87.67	80.86	87.04	95.96	
29	121.43	122											

WATER YEAR : 2021**NAN RIVER BASIN****Nan River at Ban Rat Chang Khwan , Phichit (N.7A)**

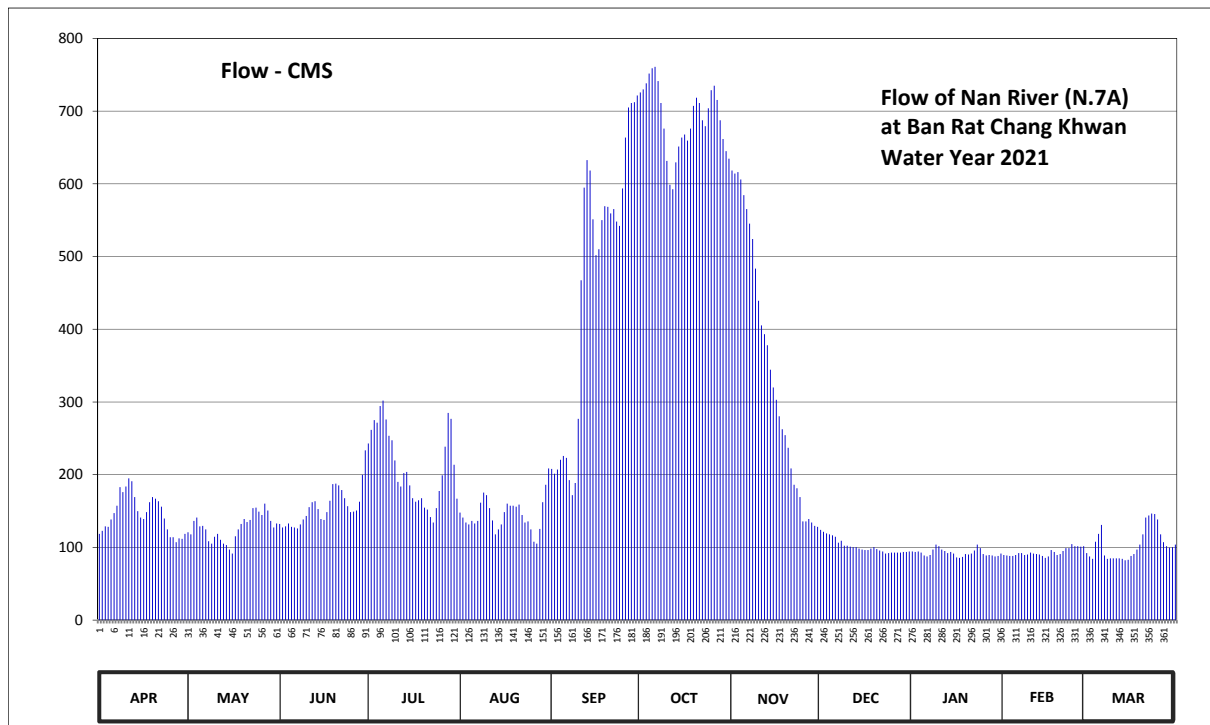
Lat 16 - 28 - 10 N Long 100 - 19 - 51 E

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.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+26.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	In front of Phichit Phitthaya Khom School.				Elevation	+37.143 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	2000 to date					
Rating Operation						
Period of Rating	2000 to date					
Rated by Float	-					
Rated by Current Meter	2000 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow effected by Naresuan Dam.					
	Stage-discharge relation defined by 26 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	27.72	27.75	27.92	29.37	28.15	28.96	34.33	33.29	27.80	27.36	27.29	27.33	
2	27.78	27.71	27.85	29.58	28.05	28.88	34.37	33.25	27.76	27.35	27.28	27.26	
3	27.87	27.98	27.87	29.73	27.95	28.95	34.45	33.27	27.73	27.36	27.27	27.21	
4	27.86	28.05	27.93	29.69	27.91	29.11	34.58	33.17	27.71	27.34	27.27	27.56	
5	28.01	27.87	27.86	29.94	27.98	29.17	34.65	32.96	27.69	27.28	27.29	27.72	
6	28.14	27.88	27.85	30.02	27.93	29.14	34.67	32.77	27.66	27.26	27.33	27.90	
7	28.29	27.81	27.83	29.74	27.98	28.77	34.48	32.57	27.54	27.29	27.33	27.28	
8	28.65	27.57	27.91	29.49	28.35	28.50	34.19	32.36	27.58	27.40	27.29	27.21	
9	28.56	27.52	28.01	29.42	28.55	28.72	33.85	31.95	27.48	27.50	27.30	27.22	
10	28.66	27.66	28.08	29.10	28.50	29.75	33.42	31.48	27.48	27.47	27.34	27.22	
11	28.80	27.72	28.26	28.74	28.24	31.78	33.10	31.12	27.46	27.40	27.32	27.22	
12	28.75	27.60	28.36	28.66	27.99	33.06	33.04	30.99	27.45	27.37	27.31	27.22	
13	28.46	27.52	28.38	28.89	27.71	33.43	33.40	30.83	27.45	27.33	27.30	27.21	
14	28.18	27.49	28.22	28.91	27.81	33.29	33.61	30.47	27.42	27.35	27.27	27.18	
15	28.05	27.40	28.02	28.68	27.91	32.63	33.73	30.21	27.40	27.32	27.23	27.19	
16	28.02	27.32	28.00	28.44	28.16	32.14	33.77	30.03	27.39	27.24	27.26	27.27	
17	28.16	27.67	28.16	28.37	28.33	32.22	33.69	29.79	27.39	27.23	27.39	27.31	
18	28.36	27.81	28.39	28.40	28.29	32.62	33.85	29.59	27.42	27.25	27.35	27.40	
19	28.46	27.92	28.70	28.44	28.29	32.81	34.15	29.50	27.45	27.31	27.29	27.50	
20	28.43	28.02	28.71	28.25	28.27	32.80	34.26	29.30	27.41	27.30	27.31	27.71	
21	28.38	27.96	28.68	28.21	28.31	32.71	34.19	28.97	27.38	27.32	27.37	28.05	
22	28.27	28.00	28.60	28.06	28.10	32.77	33.96	28.69	27.36	27.38	27.43	28.09	
23	28.03	28.24	28.44	27.95	27.95	32.60	33.88	28.63	27.32	27.50	27.43	28.13	
24	27.81	28.25	28.28	28.24	27.97	32.54	34.12	28.46	27.33	27.43	27.51	28.12	
25	27.65	28.17	28.16	28.58	27.81	33.05	34.36	27.97	27.34	27.31	27.47	28.01	
26	27.65	28.10	28.17	28.85	27.56	33.73	34.42	27.97	27.34	27.28	27.47	27.71	
27	27.55	28.33	28.19	29.32	27.52	34.13	34.23	28.02	27.34	27.29	27.46	27.55	
28	27.63	28.19	28.37	29.84	27.82	34.19	33.96	27.95	27.34	27.28	27.47	27.47	
29	27.62	27.98	28.86	29.75	28.36	34.20	33.71	27.88	27.35	27.26		27.44	
30	27.72	27.85	29.26	29.03	28.69	34.29	33.55	27.86	27.35	27.27		27.45	
31		27.93		28.43	28.97		33.45		27.36	27.32		27.50	
Mean	28.12	27.85	28.24	28.97	28.11	31.70	33.98	30.38	27.47	27.33	27.34	27.50	
Max	28.80	28.33	29.26	30.02	28.97	34.29	34.67	33.29	27.80	27.50	27.51	28.13	34.67
Min	27.55	27.32	27.83	27.95	27.52	28.50	33.04	27.86	27.32	27.23	27.23	27.18	27.18
Annual Max Momentary Gage Height	34.69		m. (MSL.) ,			at 09.00 Hours , on Oct 6, 2021							
Zero Gage at Bottom Elevation	26.00		m. (MSL.) ,			River Bed	24.44	m. (MSL.)					
Left Bank Elevation	37.31		m. (MSL.) ,										
Right Bank Elevation	37.45		m. (MSL.) ,			Drainage Are	27,969	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	118.66	120.70	132.26	242.92	147.90	207.88	725.76	618.23	124.10	94.30	89.58	92.28		
2	122.74	117.98	127.50	261.61	141.10	201.44	729.90	614.13	121.38	93.63	88.90	87.55		
3	128.86	136.34	128.86	275.04	134.30	207.08	738.18	616.18	119.34	94.30	88.23	84.18		
4	128.18	141.10	132.94	271.46	131.58	220.56	751.63	605.94	117.98	92.95	88.23	107.80		
5	138.38	128.86	128.18	294.46	136.34	225.72	758.88	584.54	116.62	88.90	89.58	118.66		
6	147.22	129.54	127.50	301.98	132.94	223.14	760.95	565.29	114.58	87.55	92.28	130.90		
7	157.42	124.78	126.14	275.93	136.34	192.59	741.28	545.19	106.45	89.58	92.28	88.90		
8	182.93	108.48	131.58	253.56	161.50	171.90	711.27	524.08	109.15	97.00	89.58	84.18		
9	176.10	105.10	138.38	247.29	175.40	188.56	676.08	483.40	102.40	103.75	90.25	84.85		
10	183.73	114.58	143.14	219.70	171.90	276.83	631.57	439.22	102.40	101.73	92.95	84.85		
11	195.00	118.66	155.38	190.17	154.02	467.42	598.80	405.38	101.05	97.00	91.60	84.85		
12	190.98	110.50	162.18	183.73	137.02	594.72	592.68	393.16	100.38	94.98	90.93	84.85		
13	169.10	105.10	163.54	202.25	117.98	632.61	629.50	378.12	100.38	92.28	90.25	84.18		
14	149.94	103.08	152.66	203.86	124.78	618.23	651.24	344.28	98.35	93.63	88.23	82.27		
15	141.10	97.00	139.06	185.34	131.58	551.22	663.66	319.84	97.00	91.60	85.53	82.89		
16	139.06	91.60	137.70	167.70	148.58	502.03	667.80	302.92	96.33	86.20	87.55	88.23		
17	148.58	115.26	148.58	162.86	160.14	510.01	659.52	280.41	96.33	85.53	96.33	90.93		
18	162.18	124.78	164.22	164.90	157.42	550.21	676.08	262.51	98.35	86.88	93.63	97.00		
19	169.10	132.26	186.95	167.70	157.42	569.32	707.13	254.45	100.38	90.93	89.58	103.75		
20	167.00	139.06	187.76	154.70	156.06	568.30	718.51	236.90	97.68	90.25	90.93	117.98		
21	163.54	134.98	185.34	151.98	158.78	559.26	711.27	208.69	95.65	91.60	94.98	141.10		
22	156.06	137.70	178.90	141.78	144.50	565.29	687.46	186.15	94.30	95.65	99.03	143.82		
23	139.74	154.02	167.70	134.30	134.30	548.20	679.18	181.32	91.60	103.75	99.03	146.54		
24	124.78	154.70	156.74	154.02	135.66	542.17	704.02	169.10	92.28	99.03	104.43	145.86		
25	113.90	149.26	148.58	177.50	124.78	593.70	728.86	135.66	92.95	90.93	101.73	138.38		
26	113.90	144.50	149.26	199.03	107.80	663.66	735.07	135.66	92.95	88.90	101.73	117.98		
27	107.13	160.14	150.62	238.62	105.10	705.06	715.41	139.06	92.95	89.58	101.05	107.13		
28	112.54	150.62	162.86	285.06	125.46	711.27	687.46	134.30	92.95	88.90	101.73	101.73		
29	111.86	136.34	199.83	276.83	162.18	712.30	661.59	129.54	93.63	87.55		99.70		
30	118.66	127.50	233.46	213.68	186.15	721.62	645.03	128.18	93.63	88.23		100.38		
31		132.94		167.00	208.69		634.68		94.30	91.60		103.75		
Total	4378.37	3947.46	4647.80	6566.96	4507.70	14002.30	21380.45	10321.83	3147.82	2868.69	2610.13	3227.45	81606.96	CMSDAY
Mean	145.95	127.34	154.93	211.84	145.41	466.74	689.69	344.06	101.54	92.54	93.22	104.11	223.58	CMS
Max	195.00	160.14	233.46	301.98	208.69	721.62	760.95	618.23	124.10	103.75	104.43	146.54	760.95	CMS
Min	107.13	91.60	126.14	134.30	105.10	171.90	592.68	128.18	91.60	85.53	85.53	82.27	82.27	CMS
Runoff	378.29	341.06	401.57	567.39	389.47	1209.80	1847.27	891.81	271.97	247.85	225.52	278.85	7050.84	MCM
Momentary Peak	763.02 CMS. at 34.69 m. (MSL.) at 09:00 Hours , on Oct 6, 2021													
Runoff Yield	8.01	Liters/Second/Square KM.			Momentary Peak Yield			27.35	Liters/Second/Square KM.					

WATER YEAR : 2021**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.				
Type of Gage	Staff gage					
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	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1951 to date					
Rating Operation						
Period of Rating	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	No overbank flow.					
General Description	Records good. Flow effected by Naresuan Dam.					
	Stage-discharge relation defined by 26 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	20.98	21.72	21.65	23.14	22.41	23.09	29.76	29.11	21.92	20.95	20.83	21.01	
2	20.98	21.83	21.62	23.32	22.08	23.21	29.82	29.14	21.84	20.94	20.80	20.94	
3	21.04	21.77	21.54	23.56	21.92	23.45	29.85	29.21	21.75	20.92	20.81	20.84	
4	21.08	21.96	21.60	23.62	21.82	23.70	29.93	29.21	21.68	20.90	20.80	20.79	
5	21.03	21.83	21.64	23.67	21.80	23.91	29.95	29.14	21.53	20.89	20.81	20.78	
6	20.90	21.67	21.59	23.92	21.81	23.99	29.94	29.03	21.42	20.84	20.82	20.79	
7	20.85	21.65	21.57	23.89	21.75	23.87	29.93	28.90	21.44	20.80	20.87	20.78	
8	20.84	21.52	21.54	23.63	21.88	23.50	29.76	28.75	21.37	20.84	20.85	20.85	
9	20.86	21.32	21.59	23.41	22.23	23.40	29.49	28.49	21.28	20.97	20.81	20.78	
10	20.95	21.27	21.66	23.25	22.41	23.91	29.22	28.14	21.26	21.09	20.82	20.78	
11	20.92	21.40	21.84	23.00	22.31	25.14	29.01	27.69	21.28	21.03	20.85	20.77	
12	20.83	21.43	22.02	22.73	22.07	26.92	28.94	27.26	21.40	21.02	20.86	20.79	
13	20.77	21.32	22.14	22.71	21.77	27.85	28.98	26.93	21.23	21.02	20.87	20.76	
14	20.92	21.27	22.17	22.84	21.55	28.01	29.08	26.46	21.19	21.01	20.87	20.75	
15	20.95	21.20	22.01	22.80	21.61	28.06	29.12	26.08	21.14	20.92	20.85	20.70	
16	20.90	20.95	21.86	22.58	21.77	27.69	28.99	25.78	21.09	20.87	20.84	20.72	
17	20.85	21.03	21.87	22.39	22.02	27.46	29.08	25.42	21.05	20.79	20.91	20.83	
18	20.86	21.37	22.02	22.36	22.16	27.55	29.22	25.10	21.07	20.81	21.03	20.86	
19	21.00	21.52	22.29	22.37	22.17	27.79	29.40	24.82	21.15	20.79	20.96	21.00	
20	21.00	21.65	22.53	22.38	22.13	27.93	29.56	24.58	21.08	20.84	20.94	21.12	
21	20.98	21.71	22.50	22.18	22.17	28.08	29.63	24.27	21.04	20.84	20.98	21.42	
22	20.93	21.68	22.54	22.12	22.16	28.29	29.59	23.89	21.01	20.88	21.07	21.71	
23	20.88	21.76	22.40	21.93	21.96	28.27	29.51	23.57	20.97	20.97	21.11	21.80	
24	20.85	21.96	22.22	21.92	21.83	28.26	29.53	23.49	20.93	21.08	21.14	21.88	
25	20.81	21.99	22.05	22.23	21.83	28.52	29.59	23.29	20.92	21.01	21.17	21.86	
26	20.90	21.95	21.94	22.57	21.66	29.08	29.64	22.87	20.93	20.87	21.14	21.70	
27	21.06	21.93	21.95	22.92	21.42	29.50	29.61	22.59	21.00	20.84	21.12	21.39	
28	21.10	22.02	21.99	23.48	21.38	29.73	29.49	22.51	20.94	20.84	21.09	21.20	
29	21.06	21.90	22.30	23.88	21.77	29.74	29.34	22.22	20.99	20.82		21.11	
30	20.90	21.66	22.82	23.68	22.34	29.74	29.22	22.04	20.99	20.76		21.10	
31		21.57		23.00	22.77		29.14		20.98	20.79		21.10	
Mean	20.93	21.61	21.98	22.95	21.97	26.65	29.46	26.00	21.22	20.90	20.93	21.06	
Max	21.10	22.02	22.82	23.92	22.77	29.74	29.95	29.21	21.92	21.09	21.17	21.88	29.95
Min	20.77	20.95	21.54	21.92	21.38	23.09	28.94	22.04	20.92	20.76	20.80	20.70	20.70
Annual Max Momentary Gage Height	29.95		m. (MSL.) ,			at 01.00 Hours ,		on Oct 5, 2021					
Zero Gage at Bottom Elevation	19.80		m. (MSL.) ,			River Bed	17.21	m. (MSL.)					
Left Bank Elevation	30.58		m. (MSL.) ,										
Right Bank Elevation	30.72		m. (MSL.) ,			Drainage Are	32,594	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	81.53	125.41	121.15	217.66	168.08	214.11	856.23	783.31	137.64	79.86	73.19	83.21	
2	81.53	132.12	119.32	230.51	147.47	222.64	863.18	766.03	132.73	79.30	71.52	79.30	
3	84.93	128.45	114.47	247.97	137.64	239.91	866.67	776.76	127.24	78.19	72.08	73.74	
4	87.22	140.09	118.10	252.37	131.51	258.25	875.97	776.76	122.97	77.08	71.52	71.00	
5	84.36	132.12	120.54	256.05	130.28	274.39	878.29	766.03	113.87	76.52	72.08	70.49	
6	77.08	122.36	117.50	275.19	130.89	280.78	877.13	749.15	107.21	73.74	72.63	71.00	
7	74.30	121.15	116.29	272.79	127.24	271.19	875.97	729.21	108.42	71.52	75.41	70.49	
8	73.74	113.26	114.47	253.11	135.18	243.57	856.23	708.17	104.22	73.74	74.30	74.30	
9	74.86	101.24	117.50	236.97	156.75	236.24	825.49	671.69	98.86	80.97	72.08	70.49	
10	79.86	98.27	121.75	225.50	168.08	274.39	795.52	623.24	97.67	87.80	72.63	70.49	
11	78.19	106.00	132.73	207.72	161.78	380.47	772.21	563.88	98.86	84.36	74.30	69.97	
12	73.19	107.82	143.77	188.90	146.85	552.85	764.52	510.59	106.00	83.79	74.86	71.00	
13	69.97	101.24	151.16	187.58	128.45	647.85	768.91	473.14	95.89	83.79	75.41	69.46	
14	78.19	98.27	153.01	196.36	115.08	664.28	779.98	424.22	93.53	83.21	75.41	68.94	
15	79.86	94.10	143.16	193.52	118.71	669.47	784.42	385.61	90.66	78.19	74.30	66.36	
16	77.08	79.86	133.96	179.03	128.45	631.69	770.00	355.97	87.80	75.41	73.74	67.39	
17	74.30	84.36	134.57	166.81	143.77	607.92	779.98	322.08	85.51	71.00	77.64	73.19	
18	74.86	104.22	143.77	164.92	152.40	617.40	795.52	295.05	86.65	72.08	84.36	74.86	
19	82.64	113.26	160.52	165.55	153.01	641.72	815.50	272.90	91.24	71.00	80.42	82.64	
20	82.64	121.15	175.81	166.18	150.55	656.06	833.26	254.49	87.22	73.74	79.30	89.52	
21	81.53	124.80	173.88	153.63	153.01	671.54	841.17	232.34	84.93	73.74	81.53	107.21	
22	78.75	122.97	176.46	149.93	152.40	693.65	836.59	208.33	83.21	75.97	86.65	124.80	
23	75.97	127.84	167.44	138.25	140.09	691.50	827.71	191.15	80.97	80.97	88.94	130.28	
24	74.30	140.09	156.12	137.64	132.12	690.43	829.93	187.16	78.75	87.22	90.66	135.18	
25	72.08	141.93	145.62	156.75	132.12	718.53	836.59	177.30	78.19	83.21	92.38	133.96	
26	77.08	139.48	138.86	178.39	121.75	779.98	842.33	158.32	78.75	75.41	90.66	124.19	
27	86.08	138.25	139.48	202.04	107.21	826.60	838.86	146.78	82.64	73.74	89.52	105.41	
28	88.37	143.77	141.93	242.10	104.81	852.75	825.49	143.55	79.30	73.74	87.80	94.10	
29	86.08	136.41											

WATER YEAR : 2021**NAN RIVER BASIN****Nan River at Ban Hat Phai , Uttaradit (N.12A)**

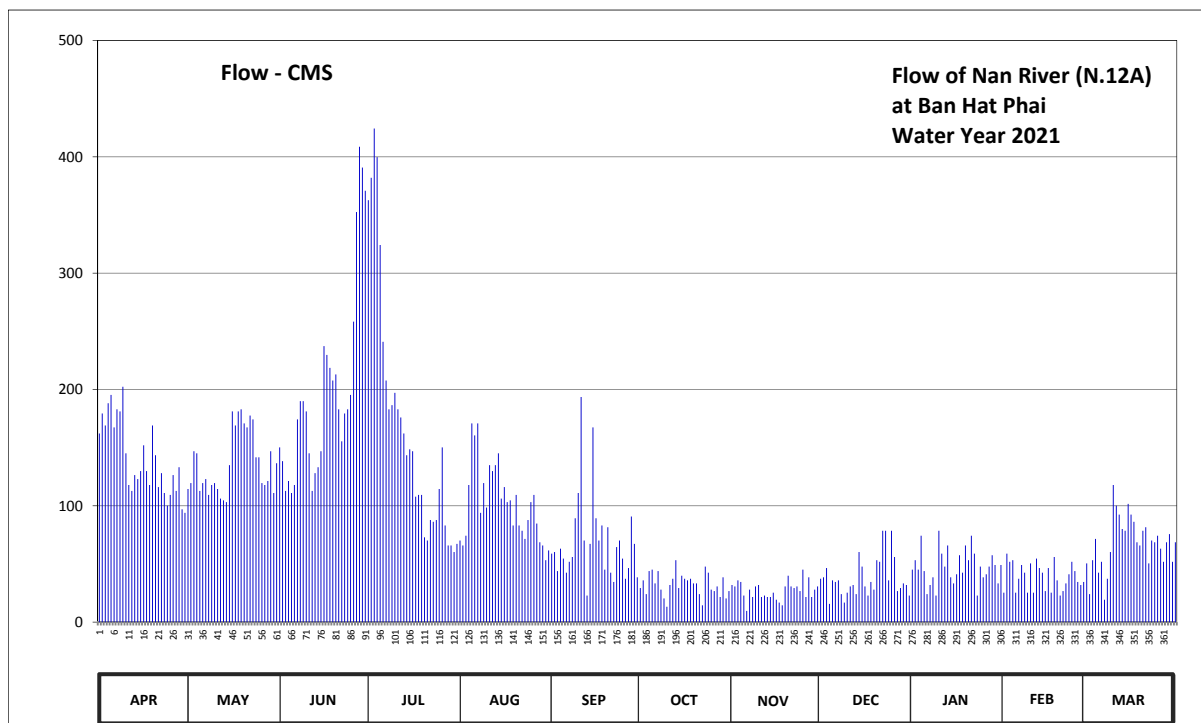
Lat 17 - 44 - 13 N Long 100 - 31 - 54 E

Location : on right bank about 4 kilometers downstream, Sirikit Dam Site, along Phasom - Silot road.

	Ban	Hat Phai	Amphoe	Tha Pla	Changwat	Uttaradit
Drainage 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	Rather unstable.					
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 14 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	71.51	71.23	71.44	72.56	70.94	70.86	70.64	70.66	70.70	70.76	70.61	70.80	
2	71.61	71.26	71.37	72.65	70.91	70.87	70.69	70.65	70.71	70.82	70.86	70.60	
3	71.55	71.42	71.22	72.84	70.97	70.75	70.60	70.69	70.77	70.76	70.81	70.82	
4	71.66	71.41	71.27	72.73	71.25	70.89	70.75	70.68	70.53	70.97	70.82	70.95	
5	71.70	71.22	71.21	72.37	71.56	70.83	70.76	70.59	70.69	70.75	70.61	70.74	
6	71.54	71.26	71.25	71.95	71.50	70.74	70.67	70.48	70.68	70.60	70.70	70.81	
7	71.63	71.28	71.58	71.77	71.56	70.81	70.75	70.63	70.69	70.66	70.79	70.56	
8	71.62	71.20	71.67	71.63	71.10	70.84	70.63	70.58	70.60	70.71	70.74	70.70	
9	71.74	71.25	71.67	71.65	71.26	71.07	70.57	70.65	70.54	70.59	70.61	70.87	
10	71.41	71.26	71.62	71.71	71.13	71.21	70.51	70.66	70.61	71.00	70.80	71.25	
11	71.25	71.23	71.41	71.63	71.35	71.69	70.66	70.58	70.65	70.86	70.61	71.14	
12	71.22	71.18	71.22	71.59	71.32	70.94	70.70	70.59	70.66	70.78	70.83	71.09	
13	71.30	71.17	71.31	71.51	71.35	70.59	70.82	70.58	70.60	70.91	70.77	71.01	
14	71.28	71.16	71.34	71.40	71.41	70.92	70.64	70.58	70.87	70.71	70.74	71.00	
15	71.32	71.35	71.42	71.43	71.18	71.54	70.72	70.61	70.78	70.67	70.62	71.15	
16	71.45	71.62	71.93	71.42	71.24	71.07	70.70	70.56	70.65	70.73	70.77	71.09	
17	71.32	71.55	71.89	71.19	71.16	70.94	70.69	70.54	70.59	70.85	70.61	71.05	
18	71.25	71.62	71.83	71.20	71.17	71.03	70.70	70.52	70.68	70.74	70.84	70.93	
19	71.55	71.63	71.77	71.20	71.03	70.76	70.67	70.65	70.63	70.91	70.69	70.91	
20	71.40	71.56	71.80	70.96	71.20	71.02	70.67	70.72	70.82	70.82	70.59	71.00	
21	71.24	71.54	71.63	70.94	71.03	70.74	70.60	70.65	70.81	70.97	70.62	71.02	
22	71.31	71.60	71.47	71.06	71.00	70.68	70.52	70.64	71.00	70.86	70.67	70.80	
23	71.21	71.58	71.61	71.05	70.95	70.90	70.78	70.65	71.00	70.59	70.73	70.94	
24	71.14	71.39	71.63	71.06	71.06	70.94	70.74	70.62	70.69	70.78	70.81	70.93	
25	71.20	71.39	71.70	71.23	71.16	70.83	70.63	70.76	71.00	70.71	70.75	70.97	
26	71.30	71.26	72.04	71.44	71.20	70.70	70.62	70.58	70.84	70.73	70.68	70.89	
27	71.22	71.25	72.51	71.03	71.04	70.77	70.65	70.71	70.62	70.78	70.66	70.81	
28	71.34	71.27	72.77	70.91	70.93	71.08	70.58	70.58	70.64	70.85	70.68	70.93	
29	71.12	71.42	72.69	70.91	70.91	70.92	70.71	70.63	70.67	70.79		70.98	
30	71.10	71.21	72.60	70.87	70.82	70.71	70.57	70.65	70.66	70.67		70.81	
31		71.36		70.92	70.88		70.62		70.59	70.79		70.93	
Mean	71.38	71.36	71.70	71.51	71.15	70.92	70.66	70.62	70.71	70.78	70.72	70.92	
Max	71.74	71.63	72.77	72.84	71.56	71.69	70.82	70.76	71.00	71.00	70.86	71.25	72.84
Min	71.10	71.16	71.21	70.87	70.82	70.59	70.51	70.48	70.53	70.59	70.59	70.56	70.48
Annual Max Momentary Gage Height	74.26		m. (MSL.) ,			at 21.00 Hours , on Jul 1, 2021							
Zero Gage at Bottom Elevation	69.00		m. (MSL.) ,			River Bed	67.50	m. (MSL.)					
Left Bank Elevation	82.50		m. (MSL.) ,										
Right Bank Elevation	81.42		m. (MSL.) ,			Drainage Are	15,562	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	162.21	114.42	150.24	362.66	70.07	58.83	29.28	31.92	37.20	45.12	25.32	50.40		
2	179.37	119.53	138.29	381.90	65.86	60.24	35.88	30.60	38.52	53.21	58.83	24.00		
3	169.05	146.82	112.71	424.34	74.29	43.80	24.00	35.88	46.44	45.12	51.81	53.21		
4	188.19	145.11	121.24	399.66	117.83	63.05	43.80	34.56	15.60	74.29	53.21	71.48		
5	195.25	112.71	111.01	324.09	170.76	54.62	45.12	22.80	35.88	43.80	25.32	42.48		
6	167.34	119.53	117.83	240.95	160.50	42.48	33.24	9.60	34.56	24.00	37.20	51.81		
7	182.90	122.94	174.18	207.61	170.76	51.81	43.80	27.96	35.88	31.92	49.08	19.20		
8	181.13	109.30	189.96	182.90	93.90	56.02	27.96	21.60	24.00	38.52	42.48	37.20		
9	202.31	117.83	189.96	186.43	119.53	89.28	20.40	30.60	16.80	22.80	25.32	60.24		
10	145.11	119.53	181.13	197.02	98.52	111.01	13.20	31.92	25.32	78.50	50.40	117.83		
11	117.83	114.42	145.11	182.90	134.88	193.49	31.92	21.60	30.60	58.83	25.32	100.06		
12	112.71	106.22	112.71	175.89	129.76	70.07	37.20	22.80	31.92	47.76	54.62	92.36		
13	126.35	104.68	128.06	162.21	134.88	22.80	53.21	21.60	24.00	65.86	46.44	80.04		
14	122.94	103.14	133.17	143.40	145.11	67.26	29.28	21.60	60.24	38.52	42.48	78.50		
15	129.76	134.88	146.82	148.53	106.22	167.34	39.84	25.32	47.76	33.24	26.64	101.60		
16	151.95	181.13	237.21	146.82	116.12	89.28	37.20	19.20	30.60	41.16	46.44	92.36		
17	129.76	169.05	229.73	107.76	103.14	70.07	35.88	16.80	22.80	57.43	25.32	86.20		
18	117.83	181.13	218.51	109.30	104.68	83.12	37.20	14.40	34.56	42.48	56.02	68.67		
19	169.05	182.90	207.61	109.30	83.12	45.12	33.24	30.60	27.96	65.86	35.88	65.86		
20	143.40	170.76	212.90	72.88	109.30	81.58	33.24	39.84	53.21	53.21	22.80	78.50		
21	116.12	167.34	182.90	70.07	83.12	42.48	24.00	30.60	51.81	74.29	26.64	81.58		
22	128.06	177.60	155.37	87.74	78.50	34.56	14.40	29.28	78.50	58.83	33.24	50.40		
23	111.01	174.18	179.37	86.20	71.48	64.45	47.76	30.60	78.50	22.80	41.16	70.07		
24	100.06	141.70	182.90	87.74	87.74	70.07	42.48	26.64	35.88	47.76	51.81	68.67		
25	109.30	141.70	195.25	114.42	103.14	54.62	27.96	45.12	78.50	38.52	43.80	74.29		
26	126.35	119.53	258.24	150.24	109.30	37.20	26.64	21.60	56.02	41.16	34.56	63.05		
27	112.71	117.83	352.49	83.12	84.66	46.44	30.60	38.52	26.64	47.76	31.92	51.81		
28	133.17	121.24	408.54	65.86	68.67	90.82	21.60	21.60	29.28	57.43	34.56	68.67		
29	96.98	146.82	390.78	65.86	65.86	67.26	38.52	27.96	33.24	49.08		75.69		
30	93.90	111.01	370.80	60.24	53.21	38.52	20.40	30.60	31.92	33.24		51.81		
31		136.58		67.26	61.64		26.64		22.80	49.08		68.67		
Total	4222.10	4231.56	5935.02	5205.30	3176.55	2067.69	1005.89	813.72	1196.94	1481.58	1098.62	2096.71	32531.68	CMSDAY
Mean	140.74	136.50	197.83	167.91	102.47	68.92	32.45	27.12	38.61	47.79	39.24	67.64	89.13	CMS
Max	202.31	182.90	408.54	424.34	170.76	193.49	53.21	45.12	78.50	78.50	58.83	117.83	424.34	CMS
Min	93.90	103.14	111.01	60.24	53.21	22.80	13.20	9.60	15.60	22.80	22.80	19.20	9.60	CMS
Runoff	364.79	365.61	512.79	449.74	274.45	178.65	86.91	70.31	103.42	128.01	94.92	181.16	2810.74	MCM
Momentary Peak		761.00	CMS. at 74.26 m. (MSL.) at 21:00 Hours , on Jul 1, 2021											
Runoff Yield	5.73		Liters/Second/Square KM.				Momentary Peak Yield		48.90	Liters/Second/Square KM.				

WATER YEAR : 2021**NAN RIVER BASIN****Nan River at Ban Bun Nak , Nan (N.13A)**

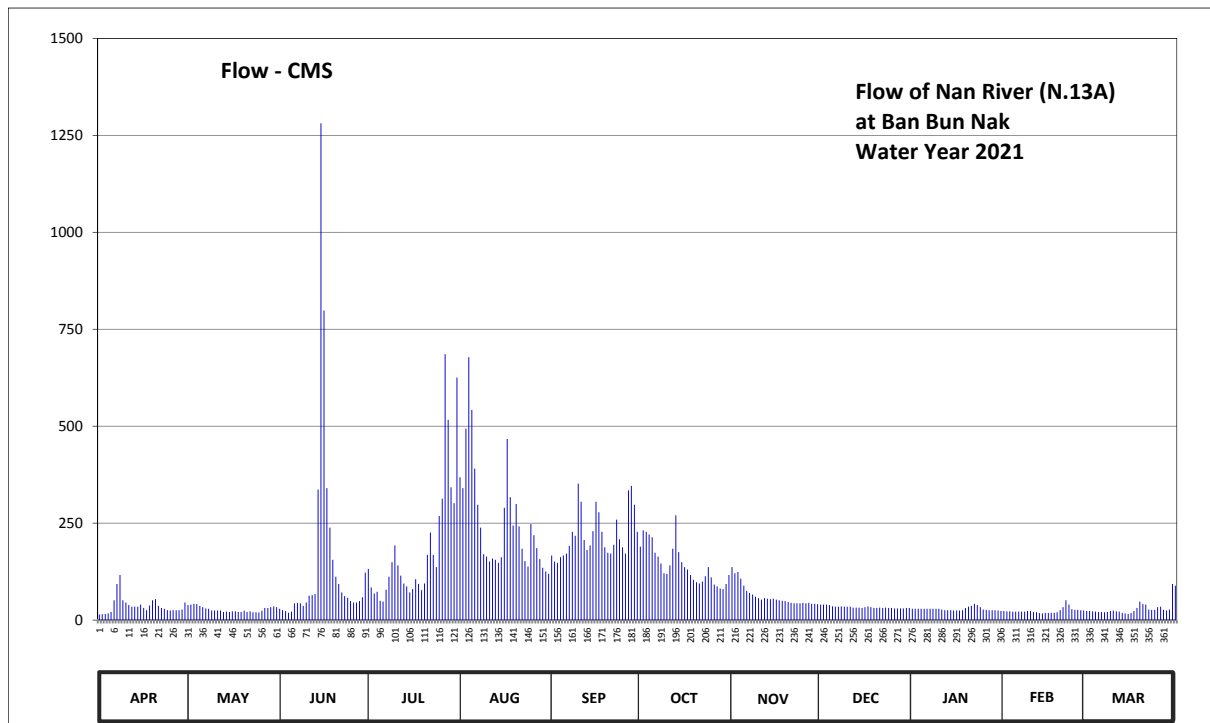
Lat 18 - 33 - 00 N Long 100 - 45 - 40 E

Location : on right bank about 2 kilometers upstream from Station N.13

	Ban	Bun Nak	Amphoe	Wiang Sa	Changwat	Nan
Drainage 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 33 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	177.20	177.50	177.41	178.16	179.46	178.38	178.51	178.19	177.51	177.41	177.34	177.34	
2	177.21	177.51	177.37	177.85	179.32	178.28	178.75	178.09	177.51	177.41	177.33	177.34	
3	177.22	177.53	177.34	177.74	180.04	178.26	178.73	178.11	177.51	177.41	177.33	177.33	
4	177.25	177.52	177.28	177.77	180.80	178.35	178.69	178.00	177.50	177.41	177.32	177.32	
5	177.31	177.48	177.32	177.60	180.25	178.38	178.65	177.88	177.47	177.41	177.32	177.31	
6	177.61	177.45	177.54	177.58	179.57	178.41	178.42	177.79	177.46	177.41	177.32	177.31	
7	177.91	177.42	177.55	177.81	179.10	178.52	178.36	177.75	177.46	177.41	177.32	177.30	
8	178.06	177.41	177.54	178.03	178.79	178.73	178.25	177.72	177.47	177.41	177.32	177.31	
9	177.61	177.36	177.48	178.27	178.40	178.67	178.09	177.68	177.46	177.41	177.34	177.34	
10	177.56	177.36	177.56	178.53	178.36	179.38	178.08	177.65	177.46	177.41	177.34	177.36	
11	177.50	177.36	177.70	178.22	178.28	179.14	178.22	177.62	177.46	177.39	177.31	177.33	
12	177.46	177.36	177.71	178.05	178.33	178.61	178.48	177.65	177.44	177.37	177.30	177.32	
13	177.46	177.31	177.73	177.92	178.31	178.46	178.96	177.64	177.44	177.37	177.26	177.27	
14	177.46	177.32	179.30	177.87	178.26	178.53	178.43	177.63	177.44	177.37	177.25	177.25	
15	177.51	177.31	183.00	177.76	178.35	178.74	178.27	177.64	177.43	177.36	177.27	177.23	
16	177.43	177.33	181.27	177.82	179.06	179.14	178.19	177.62	177.45	177.36	177.27	177.26	
17	177.37	177.33	179.32	177.99	179.92	179.00	178.15	177.61	177.47	177.36	177.28	177.34	
18	177.49	177.31	178.79	177.91	179.20	178.73	178.06	177.60	177.45	177.37	177.28	177.43	
19	177.61	177.31	178.31	177.80	178.82	178.50	177.98	177.59	177.43	177.43	177.30	177.58	
20	177.63	177.35	178.03	177.92	179.11	178.42	177.94	177.57	177.43	177.46	177.37	177.52	
21	177.48	177.31	177.91	178.39	178.81	178.41	177.92	177.55	177.44	177.48	177.45	177.51	
22	177.43	177.33	177.76	178.72	178.48	178.54	177.95	177.54	177.43	177.53	177.61	177.39	
23	177.41	177.30	177.69	178.39	178.29	178.90	178.04	177.54	177.44	177.50	177.51	177.38	
24	177.37	177.30	177.66	178.19	178.20	178.62	178.19	177.54	177.43	177.45	177.40	177.38	
25	177.36	177.29	177.59	178.95	178.84	178.50	178.02	177.55	177.43	177.39	177.38	177.45	
26	177.37	177.35	177.56	179.18	178.68	178.41	177.90	177.54	177.42	177.38	177.38	177.46	
27	177.37	177.43	177.56	180.83	178.49	179.29	177.87	177.55	177.42	177.37	177.37	177.38	
28	177.37	177.43	177.59	180.14	178.32	179.35	177.83	177.53	177.42	177.37	177.36	177.36	
29	177.39	177.45	177.67	179.33	178.18	179.10	177.82	177.53	177.42	177.37		177.39	
30	177.56	177.47	178.10	179.12	178.12	178.73	177.91	177.52	177.43	177.36		177.91	
31		177.45		180.59	178.08		178.06		177.43	177.34		177.88	
Mean	177.47	177.39	178.09	178.40	178.85	178.68	178.22	177.68	177.45	177.40	177.34	177.40	
Max	178.06	177.53	183.00	180.83	180.80	179.38	178.96	178.19	177.51	177.53	177.61	177.91	183.00
Min	177.20	177.29	177.28	177.58	178.08	178.26	177.82	177.52	177.42	177.34	177.25	177.23	177.20
Annual Max Momentary Gage Height	183.50		m. (MSL.) ,			at 06.00 Hours ,	on Jun 15, 2021						
Zero Gage at Bottom Elevation	177.40		m. (MSL.) ,			River Bed	175.10	m. (MSL.)					
Left Bank Elevation		190.26		m. (MSL.) ,									
Right Bank Elevation		192.61		m. (MSL.) ,		Drainage Are	8,719	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	14.50	38.80	29.08	131.80	368.30	166.80	189.25	136.45	39.92	29.08	23.38	23.38		
2	15.08	39.92	25.69	84.25	340.40	150.80	231.25	120.95	39.92	29.08	22.61	23.38		
3	15.66	42.16	23.38	68.60	494.00	147.60	227.75	124.05	39.92	29.08	22.61	22.61		
4	17.40	41.04	19.14	72.80	678.00	162.00	220.75	107.00	38.80	29.08	21.84	21.84		
5	21.07	36.64	21.84	50.00	542.00	166.80	213.75	88.60	35.56	29.08	21.84	21.07		
6	51.30	33.40	43.28	47.76	390.85	171.75	173.50	75.60	34.48	29.08	21.84	21.07		
7	93.05	30.16	44.40	78.45	297.50	191.00	163.60	70.00	34.48	29.08	21.84	20.30		
8	116.30	29.08	43.28	111.65	238.25	227.75	146.00	65.80	35.56	29.08	21.84	21.07		
9	51.30	24.92	36.64	149.20	170.00	217.25	120.95	60.40	34.48	29.08	23.38	23.38		
10	45.52	24.92	45.52	192.75	163.60	352.10	119.40	56.50	34.48	29.08	23.38	24.92		
11	38.80	24.92	63.00	141.20	150.80	305.30	141.20	52.60	34.48	27.23	21.07	22.61		
12	34.48	24.92	64.40	114.75	158.80	206.75	184.00	56.50	32.32	25.69	20.30	21.84		
13	34.48	21.07	67.20	94.60	155.60	180.50	270.40	55.20	32.32	25.69	17.98	18.56		
14	34.48	21.84	336.50	87.15	147.60	192.75	175.25	53.90	32.32	25.69	17.40	17.40		
15	39.92	21.07	1281.00	71.40	162.00	229.50	149.20	55.20	31.24	24.92	18.56	16.24		
16	31.24	22.61	798.55	79.90	289.70	305.30	136.45	52.60	33.40	24.92	18.56	17.98		
17	25.69	22.61	340.40	105.45	467.00	278.00	130.25	51.30	35.56	24.92	19.14	23.38		
18	37.72	21.07	238.25	93.05	317.00	227.75	116.30	50.00	33.40	25.69	19.14	31.24		
19	51.30	21.07	155.60	77.00	243.80	187.50	103.90	48.88	31.24	31.24	20.30	47.76		
20	53.90	24.15	111.65	94.60	299.45	173.50	97.70	46.64	31.24	34.48	25.69	41.04		
21	36.64	21.07	93.05	168.40	241.90	171.75	94.60	44.40	32.32	36.64	33.40	39.92		
22	31.24	22.61	71.40	226.00	184.00	194.50	99.25	43.28	31.24	42.16	51.30	27.23		
23	29.08	20.30	61.70	168.40	152.40	259.00	113.20	43.28	32.32	38.80	39.92	26.46		
24	25.69	20.30	57.80	136.45	138.00	208.50	136.45	43.28	31.24	33.40	28.00	26.46		
25	24.92	19.72	48.88	268.50	247.60	187.50	110.10	44.40	31.24	27.23	26.46	33.40		
26	25.69	24.15	45.52	313.10	219.00	171.75	91.50	43.28	30.16	26.46	26.46	34.48		
27	25.69	31.24	45.52	685.65	185.75	334.55	87.15	44.40	30.16	25.69	25.69	26.46		
28	25.69	31.24	48.88	516.50	157.20	346.25	81.35	42.16	30.16	25.69	24.92	24.92		
29	27.23	33.40	59.10	342.35	134.90	297.50	79.90	42.16	30.16	25.69		27.23		
30	45.52	35.56	122.50	301.40	125.60	227.75	93.05	41.04	31.24	24.92		93.05		
31		33.40		625.50	119.40		116.30		31.24	23.38		88.60		
Total	1120.58	859.36	4443.15	5698.61	7980.40	6639.75	4413.70	1859.85	1036.60	891.33	678.85	929.28	36551.46	CMSDAY
Mean	37.35	27.72	148.11	183.83	257.43	221.33	142.38	62.00	33.44	28.75	24.24	29.98	100.14	CMS
Max	116.30	42.16	1281.00	685.65	678.00	352.10	270.40	136.45	39.92	42.16	51.30	93.05	1281.00	CMS
Min	14.50	19.72	19.14	47.76	119.40	147.60	79.90	41.04	30.16	23.38	17.40	16.24	14.50	CMS
Runoff	96.82	74.25	383.89	492.36	689.51	573.67	381.34	160.69	89.56	77.01	58.65	80.29	3158.05	MCM
Momentary Peak	1430.00	CMS.	at 183.50 m. (MSL.) at 06.00 Hours , on Jun 15, 2021											
Runoff Yield	11.49	Liters/Second/Square KM.			Momentary Peak Yield			164.01	Liters/Second/Square KM.					

WATER YEAR : 2021**Nan RIVER BASIN****Nan River at Wat Luang Pho Kao , Nakhon Sawan (N.14A)**

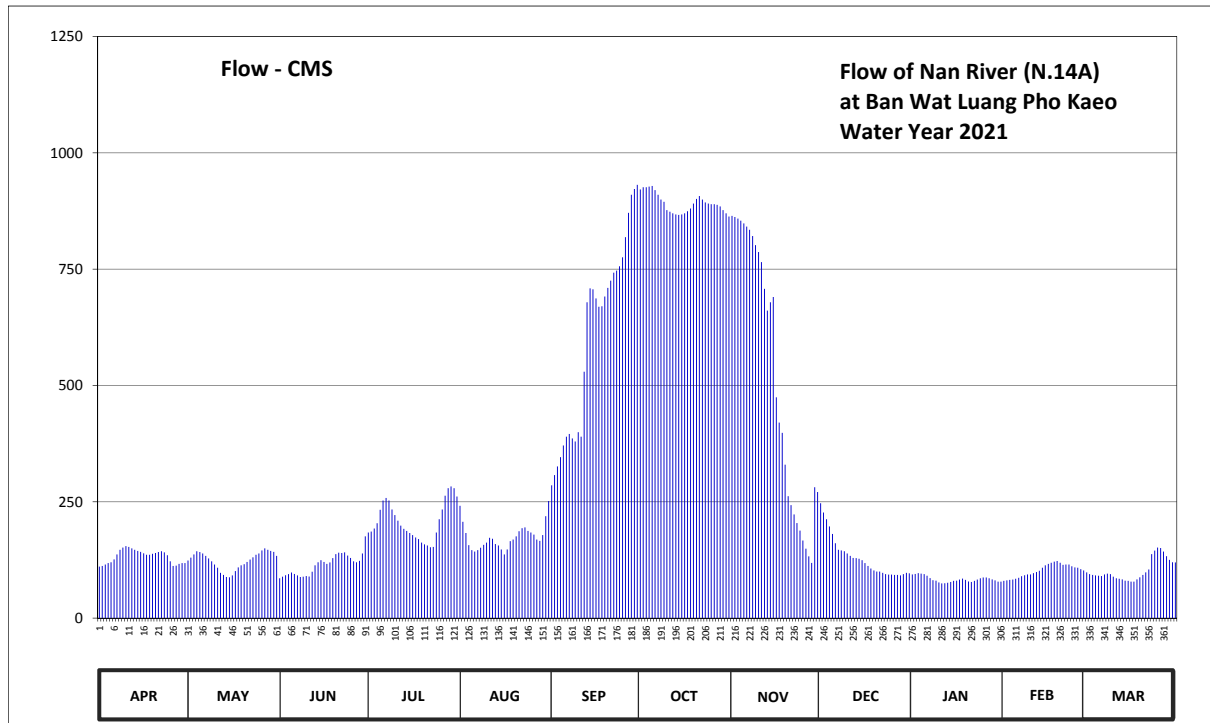
Lat 15 - 54 - 02 N Long 100 - 18 - 24 E

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 17 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.11	19.32	18.67	20.24	20.98	21.53	27.77	27.30	21.05	18.82	18.57	18.90	
2	19.13	19.42	18.73	20.27	20.55	21.79	27.81	27.28	20.80	18.84	18.59	18.83	
3	19.18	19.53	18.79	20.36	20.23	22.01	27.81	27.25	20.62	18.87	18.61	18.80	
4	19.23	19.64	18.83	20.51	19.85	22.25	27.82	27.21	20.42	18.85	18.62	18.78	
5	19.26	19.61	18.89	20.87	19.68	22.54	27.83	27.16	20.20	18.83	18.65	18.77	
6	19.36	19.56	18.84	21.12	19.63	22.74	27.76	27.10	19.92	18.77	18.69	18.76	
7	19.53	19.48	18.78	21.19	19.68	22.80	27.68	27.04	19.69	18.68	18.75	18.82	
8	19.69	19.39	18.72	21.12	19.76	22.70	27.60	26.92	19.67	18.60	18.79	18.85	
9	19.77	19.29	18.73	20.88	19.86	22.63	27.56	26.75	19.64	18.58	18.82	18.83	
10	19.82	19.18	18.76	20.73	19.94	22.84	27.41	26.62	19.56	18.51	18.82	18.73	
11	19.79	19.07	18.74	20.58	20.09	22.74	27.38	26.43	19.48	18.47	18.87	18.67	
12	19.74	18.88	18.92	20.44	20.06	24.18	27.35	25.92	19.41	18.48	18.91	18.65	
13	19.69	18.80	19.15	20.35	19.89	25.64	27.33	25.47	19.40	18.50	18.96	18.63	
14	19.65	18.72	19.26	20.29	19.84	25.93	27.32	25.64	19.38	18.53	19.07	18.58	
15	19.62	18.71	19.33	20.23	19.70	25.91	27.33	25.75	19.33	18.57	19.15	18.57	
16	19.57	18.78	19.27	20.17	19.53	25.72	27.35	24.67	19.23	18.58	19.20	18.54	
17	19.52	18.95	19.20	20.10	19.70	25.55	27.39	24.34	19.13	18.62	19.24	18.54	
18	19.52	19.08	19.25	20.05	19.99	25.56	27.44	24.20	19.04	18.66	19.28	18.63	
19	19.55	19.15	19.40	19.94	20.04	25.76	27.53	23.73	18.97	18.61	19.30	18.71	
20	19.58	19.19	19.54	19.88	20.13	25.94	27.61	23.20	18.93	18.55	19.24	18.80	
21	19.61	19.27	19.59	19.84	20.28	26.08	27.66	23.04	18.93	18.53	19.17	18.90	
22	19.64	19.35	19.58	19.78	20.37	26.23	27.60	22.85	18.88	18.57	19.18	19.01	
23	19.60	19.43	19.60	19.79	20.39	26.27	27.55	22.67	18.83	18.62	19.18	19.54	
24	19.50	19.52	19.49	20.24	20.29	26.35	27.53	22.51	18.81	18.67	19.12	19.66	
25	19.29	19.56	19.41	20.62	20.24	26.52	27.52	22.26	18.81	18.70	19.08	19.77	
26	19.13	19.67	19.29	20.88	20.18	26.90	27.52	22.05	18.80	18.70	19.07	19.75	
27	19.14	19.74	19.26	21.25	20.04	27.36	27.51	21.81	18.80	18.67	19.02	19.63	
28	19.20	19.69	19.31	21.45	20.00	27.68	27.48	21.59	18.78	18.63	18.97	19.47	
29	19.23	19.65	19.56	21.50	20.17	27.78	27.41	21.48	18.83	18.59		19.34	
30	19.23	19.62	20.13	21.45	20.70	27.85	27.35	21.35	18.88	18.54		19.26	
31		19.48		21.23	21.11		27.29		18.86	18.54		19.25	
Mean	19.46	19.31	19.17	20.56	20.09	24.86	27.53	24.72	19.39	18.63	18.96	18.97	
Max	19.82	19.74	20.13	21.50	21.11	27.85	27.83	27.30	21.05	18.87	19.30	19.77	27.85
Min	19.11	18.71	18.67	19.78	19.53	21.53	27.29	21.35	18.78	18.47	18.57	18.54	18.47
Annual Max Momentary Gage Height	27.86		m. (MSL.) ,			at 09.00 Hours , on Sep 30, 2021							
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	110.82	123.84	85.52	183.76	241.40	285.52	921.02	864.20	247.00	93.92	79.92	98.40		
2	112.06	130.04	88.88	185.98	207.00	307.36	926.06	861.92	227.00	95.04	81.04	94.48		
3	115.16	136.86	92.24	192.64	183.02	325.84	926.06	858.50	212.60	96.72	82.16	92.80		
4	118.26	143.68	94.48	203.80	156.70	346.00	927.32	853.94	197.08	95.60	82.72	91.68		
5	120.12	141.82	97.84	232.60	146.16	370.84	928.58	848.24	180.80	94.48	84.40	91.12		
6	126.32	138.72	95.04	252.60	143.06	390.04	919.76	841.40	161.04	91.12	86.64	90.56		
7	136.86	133.76	91.68	258.20	146.16	395.80	909.68	834.56	146.78	86.08	90.00	93.92		
8	146.78	128.18	88.32	252.60	151.12	386.20	899.60	820.88	145.54	81.60	92.24	95.60		
9	151.74	121.98	88.88	233.40	157.32	379.48	894.56	801.50	143.68	80.48	93.92	94.48		
10	154.84	115.16	90.56	221.40	162.28	399.64	876.74	786.68	138.72	76.56	93.92	88.88		
11	152.98	108.34	89.44	209.40	172.66	390.04	873.32	765.02	133.76	74.50	96.72	85.52		
12	149.88	97.28	99.52	198.56	170.44	529.36	869.90	707.68	129.42	75.00	98.96	84.40		
13	146.78	92.80	113.30	191.90	159.18	678.56	867.62	660.94	128.80	76.00	101.76	83.28		
14	144.30	88.32	120.12	187.46	156.08	708.72	866.48	678.56	127.56	77.68	108.34	80.48		
15	142.44	87.76	124.46	183.02	147.40	706.64	867.62	690.00	124.46	79.92	113.30	79.92		
16	139.34	91.68	120.74	178.58	136.86	686.88	869.90	474.58	118.26	80.48	116.40	78.24		
17	136.24	101.20	116.40	173.40	147.40	669.20	874.46	420.04	112.06	82.72	118.88	78.24		
18	136.24	108.96	119.50	169.70	165.38	670.24	880.16	398.20	106.48	84.96	121.36	83.28		
19	138.10	113.30	128.80	162.28	168.96	691.04	890.78	329.74	102.32	82.16	122.60	87.76		
20	139.96	115.78	137.48	158.56	175.62	709.76	900.86	262.00	100.08	78.80	118.88	92.80		
21	141.82	120.74	140.58	156.08	186.72	725.12	907.16	242.80	100.08	77.68	114.54	98.40		
22	143.68	125.70	139.96	152.36	193.38	742.22	899.60	222.70	97.28	79.92	115.16	104.62		
23	141.20	130.66	141.20	152.98	194.86	746.78	893.30	204.34	94.48	82.72	115.16	137.48		
24	135.00	136.24	134.38	183.76	187.46	755.90	890.78	188.02	93.36	85.52	111.44	144.92		
25	121.98	138.72	129.42	212.60	183.76	775.28	889.52	166.84	93.36	87.20	108.96	151.74		
26	112.06	145.54	121.98	233.40	179.32	818.60	889.52	149.20	92.80	87.20	108.34	150.50		
27	112.68	149.88	120.12	263.00	168.96	871.04	888.26	132.84	92.80	85.52	105.24	143.06		
28	116.40	146.78	123.22	279.00	166.00	909.68	884.72	118.76	91.68	83.28	102.32	133.14		
29	118.26	144.30	138.72	283.00	178.58	922.28	876.74	281.40	94.48	81.04		125.08		
30	118.26	142.44	175.62	279.00	219.00	931.10	869.90	271.00	97.28	78.24		120.12		
31		133.76		261.40	251.80		863.06		96.16	78.24		119.50		
Total	3980.56	3834.22	3448.40	6486.42	5404.04	18225.16	27643.04	15736.48	4027.20	2590.38	2865.32	3194.40	97435.62	CMSDAY
Mean	132.69	123.68	114.95	209.24	174.32	607.51	891.71	524.55	129.91	83.56	102.33	103.05	266.95	CMS
Max	154.84	149.88	175.62	283.00	251.80	931.10	928.58	864.20	247.00	96.72	122.60	151.74	931.10	CMS
Min	110.82	87.76	85.52	152.36	136.86	285.52	863.06	118.76	91.68	74.50	79.92	78.24	74.50	CMS
Runoff	343.92	331.28	297.94	560.43	466.91	1574.65	2388.36	1359.63	347.95	223.81	247.56	276.00	8418.44	MCM
Momentary Peak	932.36 CMS. at 27.86 m. (MSL.) at 09.00 Hours , on Sep 30, 2021													
Runoff Yield	8.18	Liters/Second/Square KM.			Momentary Peak Yield			28.57	Liters/Second/Square KM.					

WATER YEAR : 2021**NAN RIVER BASIN****Khek River at Ban Wang Nok Aen , Phitsanulok (N.24A)**

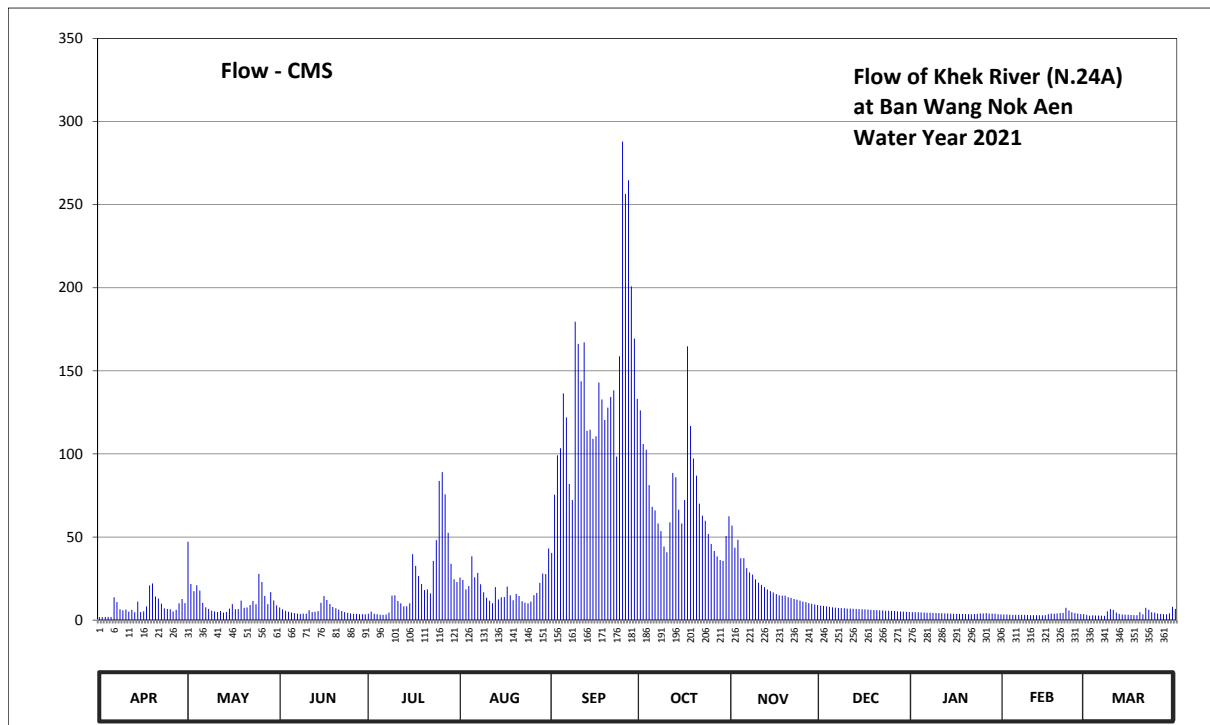
Lat 16 - 50 - 50 N Long 100 - 30 - 44 E

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.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+40.710	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	Near the gage site.					Elevation +54.258 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1965 to date					
Rating Operation						
Period of Rating	1965 - 1974 , 1980 to date					
Rated by Float	-					
Rated by Current Meter	1965 - 1974 , 1980 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 29 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	41.79	45.99	42.84	42.22	44.54	45.56	49.41	46.56	43.00	42.41	42.14	42.11	
2	41.79	44.26	42.67	42.45	44.44	47.55	48.77	45.77	42.98	42.39	42.13	42.00	
3	41.81	43.91	42.54	42.22	44.00	48.53	48.65	46.06	42.94	42.38	42.12	42.03	
4	41.80	44.20	42.44	42.17	44.16	48.68	47.82	45.35	42.90	42.37	42.10	42.01	
5	41.82	43.94	42.36	42.11	45.43	49.70	47.18	45.35	42.86	42.36	42.11	42.01	
6	43.58	43.21	42.30	42.10	44.56	49.28	47.07	44.94	42.83	42.34	42.11	42.00	
7	43.26	42.85	42.25	42.13	44.74	47.85	46.63	44.76	42.80	42.33	42.11	41.98	
8	42.68	42.71	42.21	42.36	44.24	47.39	46.37	44.67	42.78	42.31	42.10	42.49	
9	42.59	42.56	42.25	43.67	43.85	50.69	45.81	44.47	42.77	42.30	42.08	42.70	
10	42.65	42.47	42.23	43.69	43.55	50.42	45.59	44.32	42.75	42.29	42.06	42.62	
11	42.46	42.42	42.60	43.34	43.35	49.90	46.67	44.21	42.74	42.28	42.06	42.36	
12	42.63	42.53	42.41	43.17	43.19	50.44	48.13	44.11	42.73	42.27	42.05	42.21	
13	42.38	42.35	42.44	42.94	44.11	49.03	48.02	44.00	42.71	42.26	42.05	42.13	
14	43.30	42.43	42.51	42.95	43.43	49.05	47.09	43.91	42.70	42.24	42.04	42.12	
15	42.40	42.75	43.21	43.17	43.58	48.88	46.63	43.84	42.69	42.23	42.06	42.12	
16	42.49	43.11	43.65	45.51	43.59	48.93	47.39	43.76	42.67	42.21	42.18	42.09	
17	42.94	42.69	43.40	45.03	44.14	49.88	50.39	43.69	42.65	42.21	42.24	42.05	
18	44.19	42.70	43.13	44.61	43.69	49.60	49.12	43.67	42.63	42.20	42.23	42.05	
19	44.28	43.36	42.88	44.26	43.38	49.23	48.46	43.67	42.61	42.19	42.27	42.41	
20	43.62	42.82	42.77	43.97	43.77	49.46	48.06	43.58	42.60	42.17	42.30	42.15	
21	43.50	42.84	42.66	44.00	43.65	49.64	47.28	43.54	42.59	42.16	42.32	42.81	
22	43.15	43.04	42.52	43.79	43.32	49.75	46.89	43.47	42.58	42.19	42.81	42.64	
23	42.77	43.34	42.41	45.24	43.22	48.50	46.72	43.42	42.55	42.21	42.57	42.38	
24	42.72	43.10	42.33	46.05	43.17	50.26	46.27	43.36	42.55	42.26	42.39	42.36	
25	42.68	44.70	42.26	47.93	43.30	52.31	45.91	43.30	42.54	42.27	42.30	42.24	
26	42.48	44.35	42.23	48.15	43.70	51.90	45.64	43.25	42.52	42.29	42.24	42.20	
27	42.62	43.65	42.20	47.56	43.82	52.01	45.42	43.19	42.50	42.25	42.19	42.17	
28	43.18	43.11	42.18	46.31	44.31	51.06	45.27	43.14	42.48	42.24	42.18	42.15	
29	43.47	43.86	42.17	45.12	44.71	50.49	45.24	43.09	42.45	42.22		42.26	
30	43.19	43.37	42.15	44.47	44.69	49.61	46.20	43.04	42.44	42.18		42.90	
31		43.02		44.35	45.74		46.87		42.42	42.16		42.71	
Mean	42.81	43.28	42.54	44.10	43.98	49.52	47.13	44.12	42.68	42.26	42.20	42.27	
Max	44.28	45.99	43.65	48.15	45.74	52.31	50.39	46.56	43.00	42.41	42.81	42.90	52.31
Min	41.79	42.35	42.15	42.10	43.17	45.56	45.24	43.04	42.42	42.16	42.04	41.98	41.79
Annual Max Momentary Gage Height	53.16		m. (MSL.) ,			at 18.00 Hours , on Sep 25, 2021							
Zero Gage at Bottom Elevation	40.71		m. (MSL.) ,			River Bed	41.59	m. (MSL.)					
Left Bank Elevation	54.31		m. (MSL.) ,										
Right Bank Elevation	53.92		m. (MSL.) ,			Drainage Are	1,840	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.84	47.16	7.58	3.81	25.56	40.39	126.24	56.88	8.70	4.83	3.38	3.21		
2	1.84	21.78	6.44	5.05	24.16	75.50	105.96	43.63	8.56	4.73	3.32	2.72		
3	1.92	17.42	5.58	3.81	18.50	99.20	102.56	48.29	8.28	4.67	3.27	2.85		
4	1.88	21.00	5.00	3.54	20.48	103.40	81.24	37.23	8.00	4.62	3.16	2.76		
5	1.96	17.78	4.56	3.21	38.43	136.44	68.16	37.23	7.72	4.56	3.21	2.76		
6	13.80	10.39	4.24	3.16	25.84	122.01	66.06	31.30	7.51	4.46	3.21	2.72		
7	10.84	7.65	3.97	3.32	28.42	81.92	58.14	28.70	7.30	4.40	3.21	2.63		
8	6.51	6.71	3.75	4.56	21.52	72.30	53.55	27.41	7.17	4.29	3.16	5.27		
9	5.91	5.72	3.97	14.70	16.73	179.57	44.27	24.58	7.10	4.24	3.07	6.64		
10	6.31	5.16	3.86	14.90	13.50	166.14	40.85	22.56	6.97	4.19	2.98	6.11		
11	5.10	4.89	5.98	11.56	11.65	143.72	58.86	21.13	6.90	4.13	2.98	4.56		
12	6.18	5.52	4.83	10.06	10.22	167.09	88.58	19.83	6.84	4.08	2.94	3.75		
13	4.67	4.51	5.00	8.28	19.83	113.89	85.93	18.50	6.71	4.02	2.94	3.32		
14	11.20	4.94	5.39	8.35	12.37	114.54	66.42	17.42	6.64	3.92	2.90	3.27		
15	4.78	6.97	10.39	10.06	13.80	109.09	58.14	16.61	6.57	3.86	2.98	3.27		
16	5.27	9.58	14.50	39.63	13.90	110.64	72.30	15.69	6.44	3.75	3.59	3.12		
17	8.28	6.57	12.10	32.59	20.22	142.99	164.70	14.90	6.31	3.75	3.92	2.94		
18	20.87	6.64	9.74	26.54	14.90	132.80	116.81	14.70	6.18	3.70	3.86	2.94		
19	22.04	11.74	7.86	21.78	11.92	120.39	97.24	14.70	6.05	3.65	4.08	4.83		
20	14.20	7.44	7.10	18.14	15.81	127.86	86.88	13.80	5.98	3.54	4.24	3.43		
21	13.00	7.58	6.38	18.50	14.50	134.26	70.11	13.40	5.91	3.48	4.35	7.37		
22	9.90	9.02	5.45	16.04	11.38	138.26	62.82	12.73	5.85	3.65	7.37	6.24		
23	7.10	11.56	4.83	35.62	10.48	98.36	59.76	12.28	5.65	3.75	5.78	4.67		
24	6.77	9.50	4.40	48.13	10.06	158.70	51.83	11.74	5.65	4.02	4.73	4.56		
25	6.51	27.84	4.02	83.78	11.20	287.97	45.86	11.20	5.58	4.08	4.24	3.92		
26	5.21	22.95	3.86	89.07	15.00	256.38	41.61	10.75	5.45	4.19	3.92	3.70		
27	6.11	14.50	3.70	75.70	16.38	264.65	38.28	10.22	5.32	3.97	3.65	3.54		
28	10.14	9.58	3.59	52.51	22.43	200.78	36.05	9.82	5.21	3.92	3.59	3.43		
29	12.73	16.84	3.54	33.89	27.98	169.48	35.62	9.42	5.05	3.81		4.02		
30	10.22	11.83	3.43	24.58	27.70	133.16	50.64	9.02	5.00	3.59		8.00		
31		8.86		22.95	43.16		62.46		4.89	3.48		6.71		
Total	243.09	379.63	175.04	747.82	588.03	4201.88	2197.93	635.67	201.49	125.33	104.03	129.26	9729.20	CMSDAY
Mean	8.10	12.25	5.83	24.12	18.97	140.06	70.90	21.19	6.50	4.04	3.72	4.17	26.66	CMS
Max	22.04	47.16	14.50	89.07	43.16	287.97	164.70	56.88	8.70	4.83	7.37	8.00	287.97	CMS
Min	1.84	4.51	3.43	3.16	10.06	40.39	35.62	9.02	4.89	3.48	2.90	2.63	1.84	CMS
Runoff	21.00	32.80	15.12	64.61	50.81	363.04	189.90	54.92	17.41	10.83	8.99	11.17	840.60	MCM
Momentary Peak	358.36 CMS. at 53.16 m. (MSL.) at 18.00 Hours , on Sep 25, 2021													
Runoff Yield	14.49	Liters/Second/Square KM.			Momentary Peak Yield			194.76	Liters/Second/Square KM.					

WATER YEAR : 2021**NAN RIVER BASIN****Nan River at Ban Nong Kham , Phitsanulok (N.27A)**

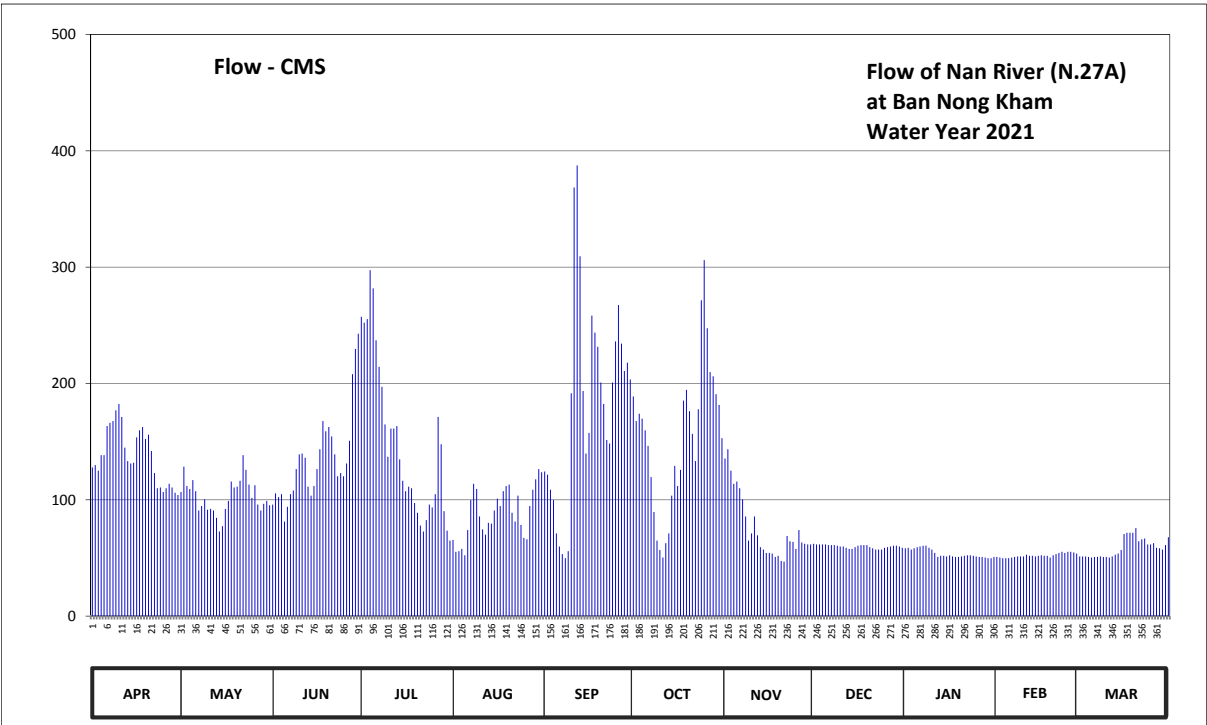
Lat 17 - 01 - 51 N Long 100 - 10 - 48 E

Location : on right bank about 1.8 kilometers downstream from Phrom Phiram Dam.

	Ban Nong Kham	Amphoe Phrom Phiram	Changwat Phitsanulok
Drainage Area	19,066 sq.km.		
Type of Gage	Staff gage.		
Zero Gage at Bottom	+38.430 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	About 10 meters from the top staff gage.	Elevation	+49.457 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings		
Period of Available Gage Records	1980 to date		
Rating Operation			
Period of Rating	1980 to date		
Rated by Float	-		
Rated by Current Meter	1980 to date		
Stability of Channel Regimes	Stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Flow regulated by Naresuan Dam about 2 kilometers above gage site. Stage-discharge relation defined by 25 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	39.92	39.60	39.43	41.47	38.92	39.87	40.73	40.03	38.86	38.79	38.64	38.65	
2	39.95	39.93	39.58	41.42	38.73	39.83	40.47	40.14	38.85	38.80	38.63	38.65	
3	39.88	39.68	39.53	41.45	38.74	39.63	40.56	39.88	38.85	38.77	38.62	38.65	
4	40.07	39.64	39.57	41.86	38.78	39.49	40.50	39.71	38.85	38.79	38.62	38.64	
5	40.07	39.76	39.20	41.71	38.67	39.02	40.36	39.74	38.85	38.81	38.62	38.63	
6	40.41	39.61	39.40	41.26	39.07	38.82	40.18	39.65	38.84	38.82	38.63	38.64	
7	40.45	39.35	39.57	41.01	39.49	38.69	39.80	39.50	38.84	38.83	38.64	38.64	
8	40.47	39.41	39.62	40.82	39.71	38.62	39.33	39.27	38.84	38.83	38.65	38.65	
9	40.60	39.50	39.90	40.43	39.64	38.74	38.91	38.91	38.83	38.80	38.65	38.64	
10	40.66	39.36	40.08	40.05	39.27	40.76	38.76	39.02	38.82	38.77	38.65	38.64	
11	40.52	39.37	40.09	40.38	39.08	42.47	38.63	39.27	38.82	38.71	38.68	38.63	
12	40.16	39.35	40.04	40.38	39.00	42.62	38.87	38.99	38.80	38.64	38.66	38.65	
13	40.00	39.25	39.67	40.41	39.18	41.97	39.02	38.81	38.78	38.66	38.66	38.68	
14	39.97	39.05	39.55	40.02	39.17	40.78	39.55	38.77	38.78	38.66	38.65	38.70	
15	39.98	39.13	39.68	39.75	39.35	40.09	39.94	38.71	38.81	38.65	38.66	38.76	
16	40.28	39.37	39.90	39.61	39.51	40.33	39.68	38.71	38.83	38.67	38.67	39.01	
17	40.36	39.48	40.14	39.67	39.41	41.48	39.89	38.70	38.84	38.65	38.66	39.03	
18	40.40	39.74	40.47	39.65	39.61	41.33	40.69	38.64	38.84	38.64	38.66	39.03	
19	40.26	39.66	40.35	39.45	39.68	41.20	40.79	38.66	38.84	38.64	38.63	39.03	
20	40.31	39.67	40.40	39.32	39.70	40.86	40.59	38.57	38.81	38.65	38.67	39.10	
21	40.12	39.75	40.29	39.14	39.32	40.66	40.32	38.56	38.79	38.66	38.69	38.90	
22	39.85	40.07	40.08	39.05	39.20	40.25	40.00	38.98	38.77	38.67	38.71	38.93	
23	39.65	39.89	39.81	39.22	39.55	40.21	40.61	38.90	38.77	38.67	38.73	38.94	
24	39.66	39.70	39.85	39.43	39.15	40.86	41.61	38.89	38.77	38.66	38.71	38.85	
25	39.60	39.52	39.81	39.39	38.95	41.25	41.94	38.78	38.80	38.65	38.73	38.85	
26	39.65	39.69	39.97	39.57	38.93	41.57	41.37	39.07	38.81	38.64	38.73	38.87	
27	39.71	39.43	40.24	40.52	39.41	41.23	40.96	38.88	38.82	38.64	38.72	38.80	
28	39.66	39.35	40.94	40.20	39.63	40.97	40.92	38.86	38.83	38.63	38.70	38.79	
29	39.59	39.44	41.18	39.34	39.77	41.05	40.75	38.85	38.83	38.62		38.77	
30	39.56	39.48	41.32	39.06	39.90	40.89	40.65	38.85	38.82	38.62		38.84	
31		39.42		38.91	39.86		40.27		38.80	38.64		38.96	
Mean	40.06	39.54	39.99	40.13	39.30	40.52	40.21	39.08	38.82	38.70	38.67	38.79	
Max	40.66	40.07	41.32	41.86	39.90	42.62	41.94	40.14	38.86	38.83	38.73	39.10	42.62
Min	39.56	39.05	39.20	38.91	38.67	38.62	38.63	38.56	38.77	38.62	38.62	38.63	38.56
Annual Max Momentary Gage Height	43.00		m. (MSL.) ,			at 14.00 Hours , on Sep 11, 2021							
Zero Gage at Bottom Elevation		38.43	m. (MSL.) ,			River Bed	34.50	m. (MSL.)					
Left Bank Elevation		49.44	m. (MSL.) ,										
Right Bank Elevation		48.79	m. (MSL.) ,			Drainage Are	19,066	Square Kilometers					

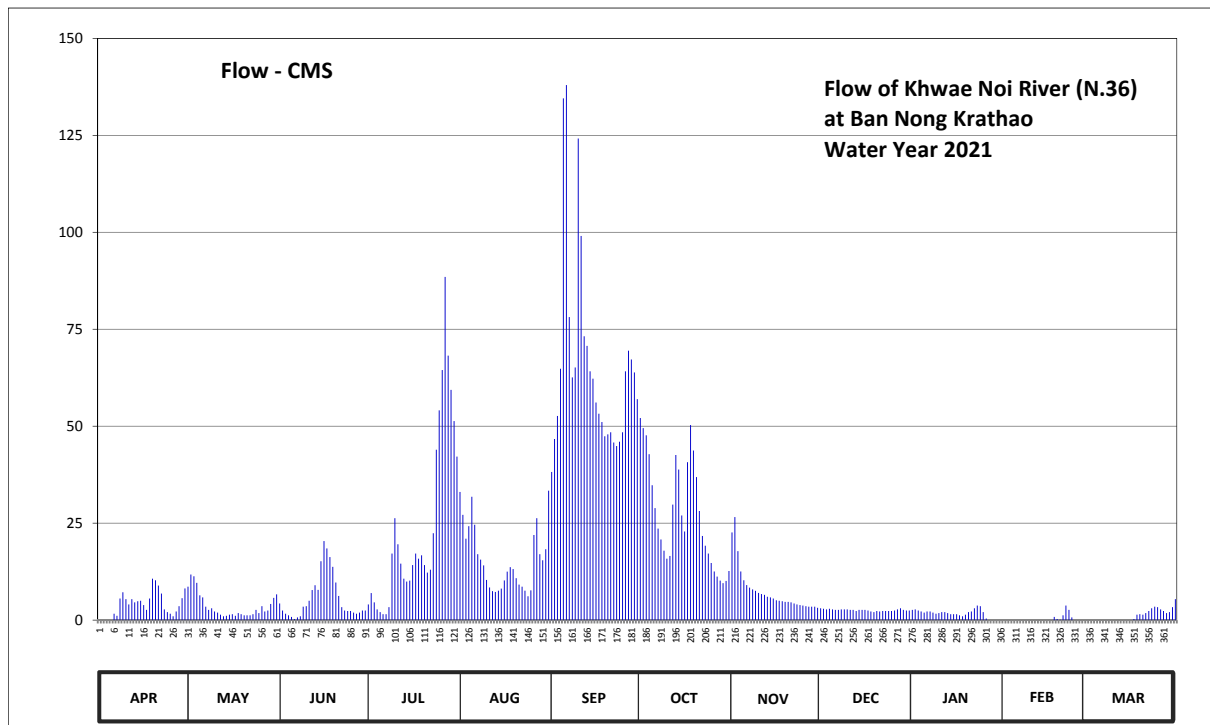


Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	127.78	106.72	95.89	257.30	65.50	124.32	188.87	135.48	62.13	58.26	50.81	51.31		
2	129.86	128.48	105.45	252.26	55.28	121.56	167.61	143.39	61.57	58.76	50.31	51.31		
3	125.02	111.82	102.26	255.28	55.78	108.63	174.03	125.02	61.57	57.27	49.81	51.31		
4	138.35	109.27	104.81	297.34	57.77	99.71	169.75	113.74	61.57	58.26	49.81	50.81		
5	138.35	116.93	81.24	281.62	52.30	71.12	159.64	115.65	61.57	59.32	49.81	50.31		
6	163.33	107.36	93.98	237.07	73.93	59.88	146.26	109.91	61.01	59.88	50.31	50.81		
7	166.19	90.80	104.81	214.26	99.71	53.29	119.48	100.35	61.01	60.45	50.81	50.81		
8	167.61	94.62	108.00	197.12	113.74	49.81	89.52	85.70	61.01	60.45	51.31	51.31		
9	176.88	100.35	126.40	164.76	109.27	55.78	64.94	64.94	60.45	58.76	51.31	50.81		
10	182.41	91.43	139.07	136.92	85.70	191.63	56.77	71.12	59.88	57.27	51.31	50.81		
11	171.18	92.07	139.79	161.13	74.50	368.42	50.31	85.70	59.88	54.29	52.80	50.31		
12	144.82	90.80	136.20	161.13	70.00	387.38	62.69	69.44	58.76	50.81	51.80	51.31		
13	133.32	84.43	111.19	163.33	80.12	309.33	71.12	59.32	57.77	51.80	51.80	52.80		
14	131.24	72.81	103.54	134.76	79.55	193.48	103.54	57.27	57.77	51.80	51.31	53.79		
15	131.94	77.31	111.82	116.29	90.80	139.79	129.17	54.29	59.32	51.31	51.80	56.77		
16	153.67	92.07	126.40	107.36	100.99	157.40	111.82	54.29	60.45	52.30	52.30	70.56		
17	159.64	99.08	143.39	111.19	94.62	258.30	125.71	53.79	61.01	51.31	51.80	71.69		
18	162.62	115.65	167.61	109.91	107.36	243.65	185.18	50.81	61.01	50.81	51.80	71.69		
19	152.18	110.55	158.89	97.17	111.82	231.42	194.40	51.80	61.01	50.81	50.31	71.69		
20	155.91	111.19	162.62	88.88	113.10	200.73	176.17	47.40	59.32	51.31	52.30	75.62		
21	141.95	116.29	154.41	77.87	88.88	182.41	156.65	46.93	58.26	51.80	53.29	64.38		
22	122.94	138.35	139.07	72.81	81.24	151.43	133.32	68.88	57.27	52.30	54.29	66.07		
23	109.91	125.71	120.17	82.51	103.54	148.45	177.80	64.38	57.27	52.30	55.28	66.63		
24	110.55	113.10	122.94	95.89	78.43	200.73	271.42	63.82	57.27	51.80	54.29	61.57		
25	106.72	101.62	120.17	93.34	67.19	236.13	306.06	57.77	58.76	51.31	55.28	61.57		
26	109.91	112.46	131.24	104.81	66.07	267.38	247.42	73.93	59.32	50.81	55.28	62.69		
27	113.74	95.89	150.68	171.18	94.62	234.24	209.75	63.26	59.88	50.81	54.78	58.76		
28	110.55	90.80	207.95	147.70	108.63	210.65	206.14	62.13	60.45	50.31	53.79	58.26		
29	106.08	96.53	229.61	90.16	117.57	217.88	190.71	61.57	60.45	49.81		57.27		
30	104.17	99.08	242.71	73.37	126.40	203.44	181.49	61.57	59.88	49.81		61.01		
31		95.25		64.94	123.63		152.92		58.76	50.81		67.75		
Total	4148.82	3188.82	4042.31	4619.66	2748.04	5478.37	4780.66	2273.65	1855.64	1667.10	1459.90	1821.79	38084.76	CMSDAY
Mean	138.29	102.87	134.74	149.02	88.65	182.61	154.21	75.79	59.86	53.78	52.14	58.77	104.34	CMS
Max	182.41	138.35	242.71	297.34	126.40	387.38	306.06	143.39	62.13	60.45	55.28	75.62	387.38	CMS
Min	104.17	72.81	81.24	64.94	52.30	49.81	50.31	46.93	57.27	49.81	49.81	50.31	46.93	CMS
Runoff	358.46	275.51	349.26	399.14	237.43	473.33	413.05	196.44	160.33	144.04	126.14	157.40	3290.52	MCM
Momentary Peak	440.68	CMS.	at 43.00 m. (MSL.)	at 14.00 Hours , on Sep 11, 2021										
Runoff Yield	5.47	Liters/Second/Square KM.			Momentary Peak Yield			23.11	Liters/Second/Square KM.					

Gage Height in Meter (MSL.)														Water Year April 1, 2021 to March 31, 2022	
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	122.27	122.14	122.14	122.17	122.30	122.48	122.40	122.26	121.96	121.93	122.28	122.25		
	2	122.25	122.13	122.01	122.19	122.25	122.52	122.59	122.17	121.90	121.97	122.28	122.25		
	3	122.23	122.17	122.13	122.18	122.25	122.43	122.48	122.14	121.92	122.03	122.28	122.25		
	4	122.28	122.15	122.16	122.17	122.22	122.46	122.43	122.14	121.92	122.07	122.26	122.26		
	5	122.30	122.11	122.15	122.16	122.39	122.44	122.39	122.18	121.92	122.12	122.28	122.27		
	6	122.33	122.16	122.15	122.17	122.53	121.75	122.41	122.21	121.92	122.17	122.28	122.26		
	7	122.33	122.11	122.32	122.18	122.57	122.44	122.47	122.09	121.93	122.27	122.28	122.26		
	8	122.25	122.09	122.29	122.22	122.57	122.40	122.41	122.17	121.93	122.27	122.28	122.26		
	9	122.25	122.16	122.25	122.20	122.37	122.88	122.42	122.05	121.93	122.27	122.26	122.28		
	10	122.28	122.10	122.22	122.21	122.22	122.68	122.43	122.16	121.93	122.28	122.27	122.27		
	11	122.25	122.19	122.22	122.20	122.45	122.46	122.42	122.19	121.92	122.28	122.27	122.26		
	12	122.34	122.12	122.19	122.17	122.57	122.49	122.59	122.02	121.92	122.28	122.26	122.23		
	13	122.44	122.17	122.19	122.17	122.48	122.40	123.01	122.00	121.92	122.28	122.26	122.26		
	14	122.41	122.09	122.31	122.17	122.54	122.40	122.58	121.99	121.89	122.28	122.26	122.23		
	15	122.37	122.20	122.30	122.17	122.55	122.59	122.51	121.98	121.89	122.28	122.26	122.25		
	16	122.29	122.19	122.27	122.19	122.52	122.55	122.57	121.98	121.89	122.28	122.26	122.24		
	17	122.11	122.19	122.30	122.19	122.51	122.32	122.75	121.97	121.92	122.28	122.27	122.27		
	18	122.13	122.19	122.30	122.17	122.44	122.32	122.59	121.97	121.92	122.28	122.26	122.25		
	19	122.25	122.20	122.27	122.17	122.48	122.43	122.49	121.97	121.91	122.28	122.26	122.26		
	20	122.12	122.20	122.23	122.17	122.47	122.44	122.34	121.97	121.91	122.28	122.26	122.24		
	21	122.33	122.20	122.20	122.20	122.48	122.40	122.41	121.97	121.91	122.28	122.27	122.25		
	22	122.09	122.20	122.20	122.25	122.41	122.38	122.42	121.98	121.93	122.28	122.27	122.27		
	23	122.22	122.20	122.19	122.27	122.43	122.48	122.62	121.97	121.93	122.28	122.27	122.25		
	24	122.22	122.21	122.17	122.27	122.42	122.55	122.49	121.98	121.93	122.28	122.27	122.26		
	25	122.19	122.24	122.17	122.28	122.74	122.49	122.44	121.98	121.93	122.28	122.26	122.25		
	26	122.17	122.21	122.18	122.34	122.55	122.49	122.41	121.97	121.94	122.28	122.27	122.26		
	27	122.16	122.22	122.19	122.30	122.47	122.70	122.41	121.95	121.94	122.28	122.27	122.26		
	28	122.16	122.23	122.19	122.27	122.58	122.72	122.39	121.94	121.94	122.28	122.27	122.27		
	29	122.19	122.25	122.19	122.24	122.58	122.48	122.40	121.94	121.93	122.28		122.27		
	30	122.19	122.28	122.22	122.24	122.52	122.39	122.17	122.01	121.93	122.28		122.27		
	31		122.23		122.27	122.46		122.17		121.93	122.28		122.29		
Mean		122.25	122.18	122.21	122.21	122.46	122.47	122.47	122.04	121.92	122.23	122.27	122.26		
Max		122.44	122.28	122.32	122.34	122.74	122.88	123.01	122.26	121.96	122.28	122.28	122.29	123.01	
Min		122.09	122.09	122.01	122.16	122.22	121.75	122.17	121.94	121.89	121.93	122.26	122.23	121.75	
Annual Max Momentary Gage Height			123.21	m. (MSL.) , at 06.00 Hours , on Oct 13, 2021											
Zero Gage at Bottom Elevation			120.27	m. (MSL.) , River Bed 120.20 m. (MSL.)											
Left Bank Elevation			127.13	m. (MSL.) ,											
Right Bank Elevation			127.24	m. (MSL.) , Drainage Are 362 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	0.00	7.20	5.44	3.62	0.88	0.72	3.88	3.49		
2	0.00	0.00	0.00	0.00	0.00	8.08	9.62	2.58	0.55	0.94	3.88	3.49		
3	0.00	0.00	0.00	0.00	3.49	6.10	7.20	2.32	0.66	1.36	3.88	3.49		
4	0.00	0.00	0.00	0.00	3.10	6.76	6.10	2.32	0.66	1.71	3.62	3.62		
5	0.00	0.00	0.00	0.00	5.31	6.32	5.31	2.67	0.66	2.14	3.88	3.75		
6	0.00	0.00	0.00	0.00	8.30	0.00	5.66	2.97	0.66	2.58	3.88	3.62		
7	0.00	0.00	0.00	0.00	9.18	6.32	6.98	1.88	0.72	3.75	3.88	3.62		
8	0.00	0.00	0.00	0.00	0.00	5.44	5.66	2.58	0.72	3.75	3.88	3.62		
9	0.00	0.00	0.00	0.00	0.00	17.86	5.88	1.54	0.72	3.75	3.62	3.88		
10	0.00	0.00	0.00	0.00	0.00	11.93	6.10	2.49	0.72	3.88	3.75	3.75		
11	0.00	0.00	0.00	0.00	0.00	6.76	5.88	2.75	0.66	3.88	3.75	3.62		
12	0.00	0.00	0.00	0.00	9.18	7.42	9.62	1.27	0.66	3.88	3.62	3.23		
13	0.00	0.00	0.00	0.00	7.20	5.44	22.54	1.10	0.66	3.88	3.62	3.62		
14	0.00	0.00	0.00	0.00	8.52	5.44	9.40	1.05	0.50	3.88	3.62	3.23		
15	0.00	0.00	0.00	0.00	8.74	9.62	7.86	0.99	0.50	3.88	3.62	3.49		
16	0.00	0.00	0.00	0.00	8.08	8.74	9.18	0.99	0.50	3.88	3.62	3.36		
17	0.00	0.00	0.00	0.00	7.86	4.40	13.76	0.94	0.66	3.88	3.75	3.75		
18	0.00	0.00	0.00	0.00	6.32	4.40	9.62	0.94	0.66	3.88	3.62	3.49		
19	0.00	0.00	0.00	0.00	7.20	6.10	7.42	0.94	0.61	3.88	3.62	3.62		
20	0.00	0.00	0.00	0.00	6.98	6.32	4.66	0.94	0.61	3.88	3.62	3.36		
21	0.00	0.00	0.00	0.00	7.20	5.44	5.66	0.94	0.61	3.88	3.75	3.49		
22	0.00	0.00	0.00	0.00	5.66	5.18	5.88	0.99	0.72	3.88	3.75	3.75		
23	0.00	0.00	0.00	0.00	6.10	7.20	10.36	0.94	0.72	3.88	3.75	3.49		
24	0.00	0.00	0.00	0.00	5.88	8.74	7.42	0.99	0.72	3.88	3.75	3.62		
25	0.00	0.00	0.00	0.00	13.49	7.42	6.32	0.99	0.72	3.88	3.62	3.49		
26	0.00	0.00	0.00	0.00	8.74	7.42	5.66	0.94	0.77	3.88	3.75	3.62		
27	0.00	0.00	0.00	0.00	6.98	12.45	5.66	0.83	0.77	3.88	3.75	3.62		
28	0.00	0.00	0.00	0.00	9.40	12.97	5.31	0.77	0.77	3.88	3.75	3.75		
29	0.00	0.00	0.00	0.00	9.40	7.20	5.44	0.77	0.72	3.88		3.75		
30	0.00	0.00	0.00	0.00	8.08	5.31	2.58	1.19	0.72	3.88		3.75		
31		0.00		0.00	6.76		2.58		0.72	3.88		4.01		
Total	0.00	0.00	0.00	0.00	187.15	219.98	226.76	46.23	20.93	106.06	104.48	111.44	1023.03	CMSDAY
Mean	0.00	0.00	0.00	0.00	6.04	7.33	7.31	1.54						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	8.60	4.30	4.02	33.03	38.22	52.12	22.62	3.05	2.63	0.00	0.00	
2	0.00	11.74	2.49	6.97	27.14	46.71	49.50	26.58	2.91	2.77	0.00	0.00	
3	0.00	11.32	1.66	4.58	21.01	52.64	47.66	17.79	2.77	2.49	0.00	0.00	
4	0.00	9.63	1.24	2.77	24.21	64.80	42.80	12.56	2.91	2.21	0.00	0.00	
5	0.00	6.41	0.83	2.08	31.82	134.53	34.76	10.29	2.77	1.94	0.00	0.00	
6	1.66	5.84	0.28	1.52	24.59	137.98	28.87	9.05	2.63	2.21	0.00	0.00	
7	1.10	3.47	0.69	1.52	16.98	78.14	23.59	8.39	2.63	2.21	0.00	0.00	
8	5.55	2.63	0.97	3.33	15.59	62.57	20.78	7.90	2.77	1.94	0.00	0.00	
9	7.19	3.05	3.47	17.16	14.09	65.14	17.89	7.54	2.77	1.66	0.00	0.00	
10	5.41	2.21	3.60	26.30	10.34	124.18	15.83	7.00	2.77	1.80	0.00	0.00	
11	4.02	1.94	4.99	19.57	8.43	99.05	16.53	6.74	2.63	2.08	0.00	0.00	
12	5.41	1.38	7.77	14.55	7.46	73.18	29.78	6.51	2.63	2.08	0.00	0.00	
13	4.58	0.97	9.00	10.68	7.27	70.70	42.59	6.03	2.35	1.80	0.00	0.00	
14	4.86	1.10	7.81	9.96	7.57	64.16	38.81	5.84	2.63	1.52	0.00	0.00	
15	4.99	1.38	15.19	10.18	8.14	62.26	27.00	5.55	2.63	1.52	0.00	0.00	
16	3.88	1.52	20.36	14.17	10.23	56.12	22.85	5.13	2.63	1.52	0.00	0.00	
17	2.63	1.10	18.48	17.16	12.49	53.22	40.70	4.99	2.49	1.24	0.00	0.28	
18	5.55	1.80	16.27	15.83	13.66	51.07	50.28	4.86	2.21	0.97	0.83	1.38	
19	10.68	1.52	13.73	16.71	13.16	47.40	43.72	4.72	2.08	1.38	0.28	1.52	
20	10.29	1.24	9.69	14.17	10.80	47.92	36.87	4.72	2.35	2.08	0.14	1.38	
21	8.92	1.24	6.22	12.24	9.14	48.45	28.12	4.58	2.21	2.21	1.24	1.80	
22	6.85	1.24	3.33	13.01	8.60	45.79	21.70	4.30	2.35	3.05	3.74	2.35	
23	2.77	1.52	2.49	22.39	7.57	44.87	19.18	4.02	2.35	3.74	2.63	3.05	
24	2.08	2.63	2.35	43.95	6.13	46.02	17.16	3.88	2.35	3.60	0.69	3.47	
25	1.66	1.80	2.35	54.09	7.69	48.45	14.71	3.74	2.35	2.08	0.00	3.33	
26	0.97	3.60	1.94	64.48	21.93	64.16	12.56	3.60	2.49	0.41	0.00	2.77	
27	2.21	2.21	1.66	88.52	26.30	69.46	11.20	3.47	2.77	0.00	0.00	2.35	
28	3.60	2.49	1.94	68.22	16.98	67.19	10.18	3.47	3.05	0.00	0.00	1.80	
29	5.65	4.16	2.49	59.39	15.43	63.85	9.52	3.47	2.63	0.00	0.00	2.08	
30	8.18	5.74	2.49	51.33	18.28	56.99	10.12	3.19	2.49	0.00	0.00	3.33	
31		6.66		42.17	33.38		12.68		2.49	0.00		5.41	
Total	120.69	112.14	170.08	733.02	489.44	1985.22	850.06	222.53	80.14	53.14	9.55	36.30	4862.31
Mean	4.02	3.62	5.67	23.65	15.79	66.17	27.42	7.42	2.59	1.71	0.34	1.17	13.32
Max	10.68	11.74	20.36	88.52	33.38	137.98	52.12	26.58	3.05	3.74	3.74	5.41	137.98
Min	0.00	0.97	0.28	1.52	6.13	38.22	9.52	3.19	2.08	0.00	0.00	0.00	0.00
Runoff	10.43	9.69	14.69	63.33	42.29	171.52	73.45	19.23	6.92	4.59	0.83	3.14	420.10
Momentary Peak Runoff Yield	123.71	CMS.	at 199.62 m. (MSL.)	at 02.00 Hours	, on Sep 6, 2021				74.39	Liters/Second/Square KM.			

WATER YEAR : 2021

NAN RIVER BASIN

Nan River at Ban Thap Krit , Nakhon Sawan (N.37)

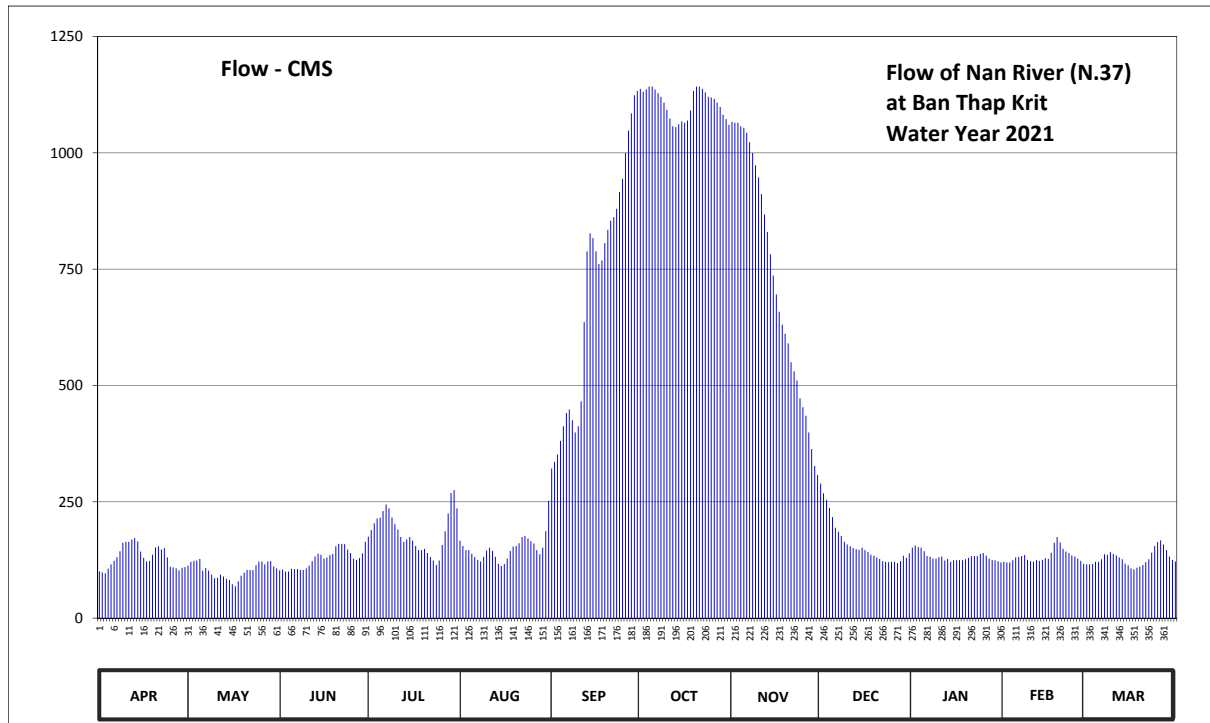
Lat 15 - 44 - 59 N Long 100 - 14 - 48 E

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 12 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	17.31	17.48	17.34	18.32	18.21	19.85	25.68	25.22	19.54	18.01	17.60	17.52	
2	17.27	17.60	17.36	18.49	18.06	19.98	25.64	25.21	19.33	18.07	17.58	17.52	
3	17.24	17.63	17.30	18.66	17.94	20.12	25.67	25.21	19.19	18.03	17.58	17.53	
4	17.39	17.64	17.30	18.78	17.94	20.37	25.71	25.16	19.02	18.01	17.65	17.60	
5	17.52	17.69	17.39	18.80	17.84	20.63	25.71	25.14	18.81	17.91	17.73	17.60	
6	17.63	17.33	17.38	18.95	17.74	20.87	25.67	25.07	18.55	17.77	17.75	17.68	
7	17.74	17.41	17.38	19.09	17.66	20.93	25.62	24.94	18.45	17.75	17.77	17.82	
8	17.91	17.33	17.35	19.01	17.61	20.74	25.57	24.79	18.34	17.70	17.80	17.81	
9	18.15	17.19	17.35	18.80	17.75	20.52	25.49	24.62	18.18	17.70	17.66	17.88	
10	18.18	17.06	17.40	18.64	17.93	20.63	25.39	24.45	18.10	17.74	17.62	17.83	
11	18.18	17.08	17.48	18.50	18.01	21.07	25.27	24.22	18.05	17.76	17.61	17.79	
12	18.24	17.19	17.62	18.31	17.92	22.35	25.16	23.93	18.00	17.64	17.65	17.73	
13	18.28	17.12	17.76	18.18	17.75	23.40	25.15	23.68	17.97	17.69	17.63	17.68	
14	18.19	17.04	17.84	18.24	17.54	23.66	25.19	23.36	17.95	17.60	17.66	17.54	
15	17.90	17.00	17.81	18.31	17.47	23.59	25.23	23.05	18.01	17.65	17.71	17.49	
16	17.72	16.84	17.70	18.21	17.53	23.40	25.21	22.77	17.94	17.65	17.69	17.40	
17	17.61	16.75	17.73	18.06	17.70	23.22	25.24	22.51	17.89	17.65	17.87	17.37	
18	17.63	16.95	17.80	17.94	17.92	23.27	25.38	22.31	17.81	17.65	18.15	17.42	
19	17.81	17.15	17.83	17.94	18.04	23.52	25.65	22.17	17.78	17.68	18.31	17.45	
20	18.02	17.26	18.05	17.98	18.06	23.71	25.71	22.02	17.73	17.72	18.16	17.50	
21	18.05	17.35	18.12	17.86	18.14	23.84	25.71	21.72	17.69	17.77	17.98	17.59	
22	17.96	17.35	18.12	17.74	18.31	23.89	25.68	21.57	17.62	17.77	17.90	17.68	
23	18.00	17.35	18.11	17.64	18.34	24.01	25.63	21.42	17.60	17.77	17.86	17.87	
24	17.73	17.49	17.96	17.50	18.27	24.25	25.57	21.12	17.59	17.83	17.79	18.06	
25	17.45	17.61	17.86	17.64	18.20	24.43	25.56	20.97	17.60	17.86	17.76	18.17	
26	17.43	17.61	17.70	18.09	18.13	24.79	25.54	20.82	17.60	17.78	17.70	18.22	
27	17.40	17.52	17.66	18.46	17.94	25.10	25.49	20.52	17.56	17.70	17.63	18.10	
28	17.34	17.61	17.71	18.90	17.82	25.34	25.43	20.22	17.62	17.66	17.54	17.94	
29	17.42	17.62	17.85	19.34	18.01	25.59	25.32	19.90	17.78	17.65		17.76	
30	17.44	17.46	18.18	19.40	18.46	25.65	25.26	19.72	17.72	17.62		17.66	
31		17.40		19.01	19.17		25.18		17.85	17.58		17.61	
Mean	17.74	17.33	17.68	18.41	17.98	22.76	25.47	22.93	18.09	17.75	17.76	17.70	
Max	18.28	17.69	18.18	19.40	19.17	25.65	25.71	25.22	19.54	18.07	18.31	18.22	25.71
Min	17.24	16.75	17.30	17.50	17.47	19.85	25.15	19.72	17.56	17.58	17.54	17.37	16.75
Annual Max Momentary Gage Height	25.74		m. (MSL.) ,			at 18.00 Hours , on Oct 20, 2021							
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	100.70	112.60	102.80	175.10	166.30	321.50	1137.40	1066.10	289.00	151.25	121.00	115.40		
2	98.20	121.00	104.20	189.15	155.00	335.80	1131.20	1064.55	268.00	155.75	119.60	115.40		
3	96.40	123.10	100.00	203.60	146.00	351.80	1135.85	1064.55	254.00	152.75	119.60	116.10		
4	106.30	123.80	100.00	214.20	146.00	380.90	1142.05	1056.80	237.00	151.25	124.50	121.00		
5	115.40	127.30	106.30	216.00	138.50	412.10	1142.05	1053.70	216.90	143.75	130.25	121.00		
6	123.10	102.10	105.60	230.00	131.00	440.90	1135.85	1042.85	194.25	133.25	131.75	126.60		
7	131.00	107.70	105.60	244.00	125.20	448.25	1128.10	1022.70	185.75	131.75	133.25	137.00		
8	143.75	102.10	103.50	236.00	121.70	425.30	1120.35	999.45	176.70	128.00	135.50	136.25		
9	161.75	93.40	103.50	216.00	131.75	398.90	1107.95	973.10	164.00	128.00	125.20	141.50		
10	164.00	85.60	107.00	201.90	145.25	412.10	1092.45	946.75	158.00	131.00	122.40	137.75		
11	164.00	86.80	112.60	190.00	151.25	465.75	1073.85	911.10	154.25	132.50	121.70	134.75		
12	168.70	93.40	122.40	174.30	144.50	636.00	1056.80	867.50	150.50	123.80	124.50	130.25		
13	171.90	89.20	132.50	164.00	131.75	788.00	1055.25	830.00	148.25	127.30	123.10	126.60		
14	164.75	84.40	138.50	168.70	116.80	827.00	1061.45	782.00	146.75	121.00	125.20	116.80		
15	143.00	82.00	136.25	174.30	111.90	816.50	1067.65	736.25	151.25	124.50	128.75	113.30		
16	129.50	73.00	128.00	166.30	116.10	788.00	1064.55	695.65	146.00	124.50	127.30	107.00		
17	121.70	68.50	130.25	155.00	128.00	761.00	1069.20	658.40	142.25	124.50	140.75	104.90		
18	123.10	79.00	135.50	146.00	144.50	768.50	1090.90	630.40	136.25	124.50	161.75	108.40		
19	136.25	91.00	137.75	146.00	153.50	806.00	1132.75	610.80	134.00	126.60	174.30	110.50		
20	152.00	97.60	154.25	149.00	155.00	834.50	1142.05	590.20	130.25	129.50	162.50	114.00		
21	154.25	103.50	159.50	140.00	161.00	854.00	1142.05	549.70	127.30	133.25	149.00	120.30		
22	147.50	103.50	159.50	131.00	174.30	861.50	1137.40	530.10	122.40	133.25	143.00	126.60		
23	150.50	103.50	158.75	123.80	176.70	879.50	1129.65	510.60	121.00	133.25	140.00	140.75		
24	130.25	113.30	147.50	114.00	171.10	915.75	1120.35	472.00	120.30	137.75	134.75	155.00		
25	110.50	121.70	140.00	123.80	165.50	943.65	1118.80	453.25	121.00	140.00	132.50	163.25		
26	109.10	121.70	128.00	157.25	160.25	999.45	1115.70	434.90	121.00	134.00	128.00	167.10		
27	107.00	115.40	125.20	186.60	146.00	1047.50	1107.95	398.90	118.20	128.00	123.10	158.00		
28	102.80	121.70	128.75	225.00	137.00	1084.70	1098.65	363.30	122.40	125.20	116.80	146.00		
29	108.40	122.40	139.25	269.00	151.25	1123.45	1081.60	327.00	134.00	124.50		132.50		
30	109.80	111.20	164.00	275.00	186.60	1132.75	1072.30	307.20	129.50	122.40		125.20		
31		107.00		236.00	252.00		1059.90		139.25	119.60		121.70		
Total	3945.60	3188.50	3816.95	5741.00	4641.70	21261.05	34272.05	21949.80	4959.70	4096.65	3720.05	3990.90	115583.95	CMSDAY
Mean	131.52	102.85	127.23	185.19	149.73	708.70	1105.55	731.66	159.99	132.15	132.86	128.74	316.67	CMS
Max	171.90	127.30	164.00	275.00	252.00	1132.75	1142.05	1066.10	289.00	155.75	174.30	167.10	1142.05	CMS
Min	96.40	68.50	100.00	114.00	111.90	321.50	1055.25	307.20	118.20	119.60	116.80	104.90	68.50	CMS
Runoff	340.90	275.49	329.78	496.02	401.04	1836.95	2961.11	1896.46	428.52	353.95	321.41	344.81	9986.45	MCM
Momentary Peak	1146.70		CMS.	at 25.74 m. (MSL.)										on Oct 20, 2021
Runoff Yield	5.55		Liters/Second/Square KM.											Momentary Peak Yield 20.11 Liters/Second/Square KM.

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.00	0.00	0.00	8.50	21.65	10.50	2.83	1.52	0.00	0.00		
2	0.00	0.00	0.00	0.00	0.00	7.65	17.62	10.24	2.78	1.52	0.00	0.00		
3	0.00	0.00	0.00	0.00	0.00	13.80	18.20	9.72	2.69	1.48	0.00	0.00		
4	0.00	0.00	0.00	0.00	0.00	15.38	17.78	9.33	2.69	1.48	0.00	0.00		
5	0.00	0.00	0.00	0.00	5.73	16.13	12.23	8.95	2.65	0.00	0.00	0.00		
6	0.00	0.00	0.00	0.00	8.25	10.88	10.24	8.65	2.56	0.00	0.00	0.00		
7	0.00	0.00	0.00	0.00	7.60	9.46	9.66	8.40	2.47	0.00	0.00	0.00		
8	0.00	0.00	0.00	0.00	7.27	14.55	9.20	8.20	2.42	0.00	0.00	0.00		
9	0.00	0.00	0.00	0.00	7.22	62.19	8.85	7.90	2.38	0.00	0.00	0.00		
10	0.00	0.00	0.00	0.00	7.22	37.96	8.75	7.65	2.33	0.00	0.00	0.00		
11	0.00	0.00	0.00	0.00	7.17	70.05	28.04	7.36	2.24	0.00	0.00	0.00		
12	0.00	0.00	0.00	0.00	7.17	28.21	22.99	6.88	2.15	0.00	0.00	0.00		
13	0.00	0.00	0.00	0.00	7.12	16.66	29.21	6.45	2.11	0.00	0.00	0.00		
14	0.00	0.00	0.00	0.00	7.12	13.80	26.21	6.16	2.06	0.00	0.00	0.00		
15	0.00	0.00	0.00	0.00	7.08	10.95	26.48	5.78	2.02	0.00	0.00	0.00		
16	0.00	0.00	0.00	0.00	7.03	15.00	25.55	5.40	1.97	0.00	0.00	0.00		
17	0.00	0.00	0.00	0.00	6.98	17.62	20.47	5.03	1.97	0.00	0.00	0.00		
18	0.00	0.00	0.00	0.00	6.88	13.13	19.72	4.54	1.93	0.00	0.00	0.00		
19	0.00	0.00	0.00	0.00	6.79	22.74	18.58	4.18	1.88	0.00	0.00	0.00		
20	0.00	0.00	0.00	0.00	6.69	25.41	11.25	3.77	1.84	0.00	0.00	0.00		
21	0.00	0.00	0.00	0.00	6.60	17.54	9.66	3.50	1.79	0.00	0.00	0.00		
22	0.00	0.00	0.00	0.00	6.45	16.43	9.27	3.28	1.79	0.00	0.00	0.00		
23	0.00	0.00	0.00	0.00	6.31	20.71	10.80	3.10	1.75	0.00	0.00	0.00		
24	0.00	0.00	0.00	0.00	6.16	44.56	9.15	3.01	1.70	0.00	0.00	0.00		
25	0.00	0.00	0.00	4.18	6.12	224.86	9.05	3.01	1.66	0.00	0.00	0.00		
26	0.00	0.00	0.00	6.07	6.12	74.61	9.05	2.96	1.61	0.00	0.00	0.00		
27	0.00	0.00	0.00	4.58	6.07	45.70	9.00	2.92	1.61	0.00	0.00	0.00		
28	0.00	0.00	0.00	0.00	6.07	35.41	8.85	2.87	1.57	0.00	0.00	0.00		
29	0.00	0.00	0.00	0.00	6.12	24.88	8.65	2.87	1.57	0.00		0.00		
30	0.00	0.00	0.00	0.00	6.02	20.35	8.45	2.87	1.52	0.00		0.00		
31		0.00		0.00	5.92		8.30		1.52	0.00		0.00		
Total	0.00	0.00	0.00	14.83	181.28	955.12	462.91	175.48	64.06	6.00	0.00	0.00	1859.68	CMSDAY
Mean	0.00	0.00	0.00	0.48										

WATER YEAR : 2021**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
Drainage 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 32 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	265.21	265.29	265.14	265.23	265.73	265.24	265.23	265.05	265.00	265.56	265.32	265.01	
2	265.21	265.24	265.12	265.26	265.70	265.25	265.24	265.05	265.00	265.54	265.32	265.01	
3	265.21	265.22	265.10	265.17	266.07	265.26	265.23	265.06	264.98	265.53	265.32	265.00	
4	265.27	265.23	265.10	265.14	265.83	265.31	265.22	265.05	264.98	265.49	265.32	265.00	
5	265.33	265.20	265.10	265.14	265.67	265.29	265.20	265.04	264.97	265.49	265.30	265.02	
6	265.64	265.16	265.15	265.15	265.64	265.25	265.17	265.05	264.97	265.48	265.33	265.06	
7	265.48	265.16	265.13	265.14	265.53	265.22	265.14	265.03	264.97	265.47	265.33	265.08	
8	265.36	265.14	265.32	265.17	265.45	265.24	265.13	265.03	264.97	265.48	265.33	265.11	
9	265.30	265.14	265.52	265.21	265.39	265.25	265.12	265.03	264.97	265.48	265.32	265.08	
10	265.24	265.14	265.42	265.16	265.34	265.25	265.12	265.03	265.12	265.48	265.29	265.05	
11	265.23	265.14	265.44	265.14	265.29	265.23	265.16	265.03	265.62	265.47	265.28	265.04	
12	265.23	265.12	265.42	265.14	265.31	265.21	265.28	265.02	265.63	265.42	265.27	265.04	
13	265.21	265.12	265.75	265.14	265.25	265.21	265.18	265.02	265.63	265.42	265.27	265.04	
14	265.20	265.13	267.11	265.14	265.37	265.31	265.17	265.01	265.61	265.42	265.27	265.03	
15	265.20	265.13	265.82	265.14	265.38	265.30	265.15	265.01	265.61	265.42	265.27	265.13	
16	265.21	265.12	265.53	265.12	265.67	265.30	265.12	265.01	265.61	265.41	265.27	265.31	
17	265.28	265.10	265.36	265.13	265.61	265.28	265.11	265.01	265.61	265.41	265.27	265.38	
18	265.29	265.10	265.28	265.14	265.52	265.24	265.11	265.01	265.61	265.40	265.27	265.46	
19	265.30	265.12	265.23	265.16	265.47	265.23	265.09	265.01	265.61	265.40	265.31	265.38	
20	265.24	265.17	265.21	265.27	265.43	265.22	265.08	265.01	265.59	265.41	265.47	265.36	
21	265.23	265.12	265.18	265.34	265.39	265.22	265.09	265.00	265.58	265.48	265.14	265.36	
22	265.21	265.11	265.16	265.34	265.34	265.20	265.08	265.00	265.58	265.49	265.07	265.36	
23	265.18	265.11	265.15	265.28	265.32	265.18	265.09	265.00	265.58	265.44	265.06	265.38	
24	265.18	265.10	265.14	265.39	265.61	265.17	265.08	265.00	265.58	265.42	265.06	265.40	
25	265.18	265.20	265.13	265.42	265.47	265.16	265.07	265.00	265.58	265.38	265.05	265.39	
26	265.18	265.20	265.13	265.91	265.47	265.16	265.06	265.00	265.58	265.37	265.05	265.36	
27	265.21	265.14	265.12	265.77	265.39	265.18	265.06	265.00	265.56	265.36	265.03	265.36	
28	265.52	265.21	265.12	265.60	265.32	265.21	265.06	265.01	265.56	265.36	265.02	265.41	
29	265.56	265.20	265.17	265.51	265.28	265.19	265.06	265.00	265.56	265.34		265.56	
30	265.38	265.16	265.17	266.24	265.25	265.20	265.08	265.00	265.56	265.34		265.50	
31		265.16		265.87	265.27		265.08		265.56	265.32		265.44	
Mean	265.28	265.16	265.32	265.32	265.48	265.23	265.13	265.02	265.40	265.43	265.24	265.23	
Max	265.64	265.29	267.11	266.24	266.07	265.31	265.28	265.06	265.63	265.56	265.47	265.56	267.11
Min	265.18	265.10	265.10	265.12	265.25	265.16	265.06	265.00	264.97	265.32	265.02	265.00	264.97
Annual Max Momentary Gage Height	268.17		m. (MSL.) ,				at 01.00 Hours , on Jun 14, 2021						
Zero Gage at Bottom Elevation		263.98		m. (MSL.) ,			River Bed 264.27		m. (MSL.)				
Left Bank Elevation			273.21		m. (MSL.) ,								
Right Bank Elevation			275.27		m. (MSL.) ,		Drainage Are	153	Square Kilometers				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.42	7.31	3.44	5.57	28.30	5.86	5.57	1.90	1.20	1.12	0.64	0.21		
2	0.42	5.86	3.02	6.44	26.50	6.15	5.86	1.90	1.20	1.08	0.64	0.21		
3	0.42	5.28	2.60	4.07	51.96	6.44	5.57	2.04	1.06	1.06	0.64	0.20		
4	6.73	5.57	2.60	3.44	34.39	8.02	5.28	1.90	1.06	0.98	0.64	0.20		
5	8.86	4.70	2.60	3.44	24.85	7.31	4.70	1.76	0.99	0.98	0.60	0.22		
6	23.20	3.86	3.65	3.65	23.20	6.15	4.07	1.90	0.99	0.96	0.66	0.26		
7	15.32	3.86	3.23	3.44	17.64	5.28	3.44	1.62	0.99	0.94	0.66	0.28		
8	10.12	3.44	8.44	4.07	14.00	5.86	3.23	1.62	0.99	0.96	0.66	0.31		
9	7.60	3.44	17.16	4.99	11.38	6.15	3.02	1.62	0.99	0.96	0.64	0.28		
10	5.86	3.44	12.68	3.86	9.28	6.15	3.02	1.62	0.32	0.96	0.58	0.25		
11	5.57	3.44	13.56	3.44	7.31	5.57	3.86	1.62	1.26	0.94	0.56	0.24		
12	5.57	3.02	12.68	3.44	8.02	4.99	7.02	1.48	1.29	0.84	0.54	0.24		
13	4.99	3.02	29.50	3.44	6.15	4.99	4.28	1.48	1.29	0.84	0.54	0.24		
14	4.70	3.23	156.20	3.44	10.54	8.02	4.07	1.34	1.23	0.84	0.54	0.23		
15	4.70	3.23	33.76	3.44	10.96	7.60	3.65	1.34	1.23	0.84	0.54	0.33		
16	4.99	3.02	17.64	3.02	24.85	7.60	3.02	1.34	1.23	0.82	0.54	0.62		
17	7.02	2.60	10.12	3.23	21.55	7.02	2.81	1.34	1.23	0.82	0.54	0.76		
18	7.31	2.60	7.02	3.44	17.16	5.86	2.81	1.34	1.23	0.80	0.54	0.92		
19	7.60	3.02	5.57	3.86	14.88	5.57	2.46	1.34	1.23	0.80	0.62	0.76		
20	5.86	4.07	4.99	6.73	13.12	5.28	2.32	1.34	1.18	0.82	0.94	0.72		
21	5.57	3.02	4.28	9.28	11.38	5.28	2.46	1.20	1.16	0.96	0.34	0.72		
22	4.99	2.81	3.86	9.28	9.28	4.70	2.32	1.20	1.16	0.98	0.27	0.72		
23	4.28	2.81	3.65	7.02	8.44	4.28	2.46	1.20	1.16	0.88	0.26	0.76		
24	4.28	2.60	3.44	11.38	21.55	4.07	2.32	1.20	1.16	0.84	0.26	0.80		
25	4.28	4.70	3.23	12.68	14.88	3.86	2.18	1.20	1.16	0.76	0.25	0.78		
26	4.28	4.70	3.23	39.57	14.88	3.86	2.04	1.20	1.16	0.74	0.25	0.72		
27	4.99	3.44	3.02	30.70	11.38	4.28	2.04	1.20	1.12	0.72	0.23	0.72		
28	17.16	4.99	3.02	21.00	8.44	4.99	2.04	1.34	1.12	0.72	0.22	0.82		
29	19.08	4.70	4.07	16.68	7.02	4.49	2.04	1.20	1.12	0.68		1.12		
30	10.96	3.86	4.07	65.48	6.15	4.70	2.32	1.20	1.12	0.68		1.00		
31		3.86		36.91	6.73		2.32		1.12	0.64		0.88		
Total	217.13	119.50	386.33	340.43	496.17	170.38	104.60	43.98	34.75	26.96	14.34	16.52	1971.09	CMSDAY
Mean	7.24	3.85	12.88											

WATER YEAR : 2021**NAN RIVER BASIN****Klong Wang Pong at Ban Wang Pong , Phetchabun (N.54)**

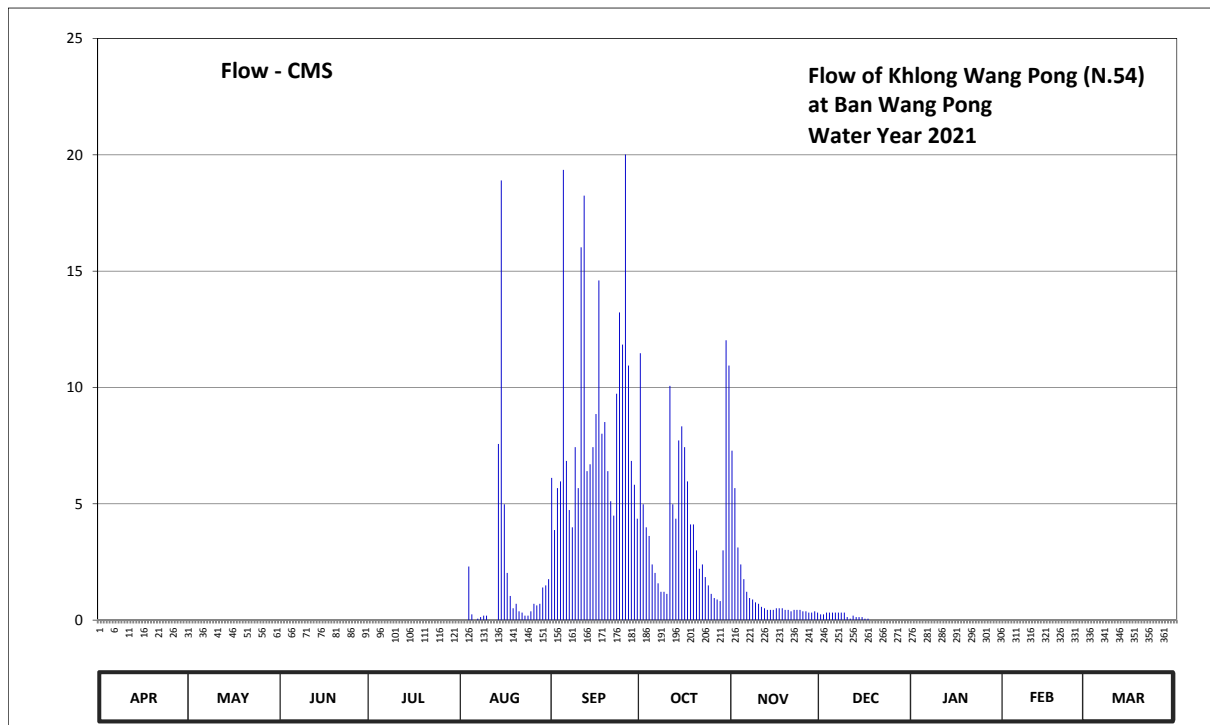
Lat 16 - 19 - 39 N Long 100 - 48 - 06 E

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	Staff gage					
Zero Gage at Bottom	+104.350 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the abutment of the bridge.				Elevation	+108.350 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	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 6 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	104.25	104.00	104.16	104.16	104.28	104.96	105.29	105.04	104.39	104.29	104.12	104.32	
	2	104.25	104.00	104.16	104.16	104.27	104.79	104.88	104.93	104.39	104.26	104.12	104.32	
	3	104.25	103.99	104.16	104.16	104.29	104.93	104.80	104.73	104.40	104.21	104.11	104.32	
	4	104.25	103.99	104.16	104.16	104.65	104.95	104.77	104.66	104.40	104.21	104.10	104.32	
	5	104.25	103.99	104.16	104.16	104.39	105.67	104.66	104.59	104.40	104.23	104.13	104.32	
	6	104.25	103.99	104.16	104.17	104.34	105.01	104.62	104.53	104.40	104.23	104.13	104.32	
	7	104.25	103.99	104.16	104.18	104.36	104.86	104.57	104.50	104.40	104.22	104.10	104.32	
	8	104.25	103.99	104.16	104.19	104.37	104.80	104.53	104.49	104.40	104.20	104.10	104.32	
	9	104.25	103.99	104.16	104.20	104.38	105.05	104.53	104.47	104.40	104.18	104.14	104.32	
	10	104.25	103.99	104.16	104.21	104.38	104.93	104.52	104.46	104.37	104.17	104.11	104.32	
	11	104.25	103.99	104.16	104.21	104.35	105.52	105.21	104.44	104.36	104.17	104.03	104.32	
	12	104.25	103.99	104.16	104.20	104.33	105.62	104.88	104.43	104.38	104.17	104.06	104.32	
	13	104.25	103.99	104.16	104.18	104.35	104.98	104.83	104.42	104.37	104.17	104.10	104.32	
	14	104.25	103.99	104.16	104.18	105.06	105.00	105.07	104.42	104.37	104.16	104.09	104.32	
	15	104.25	103.98	104.16	104.18	105.65	105.05	105.11	104.42	104.37	104.16	104.12	104.32	
	16	104.25	103.98	104.16	104.18	104.88	105.14	105.05	104.43	104.36	104.17	104.13	104.32	
	17	104.25	103.98	104.16	104.18	104.62	105.45	104.95	104.43	104.36	104.17	104.22	104.32	
	18	104.25	103.98	104.16	104.18	104.51	105.09	104.81	104.43	104.35	104.15	104.29	104.32	
	19	104.25	103.98	104.16	104.18	104.43	105.12	104.81	104.42	104.35	104.15	104.33	104.32	
	20	104.25	103.99	104.16	104.18	104.46	104.98	104.72	104.42	104.35	104.16	104.33	104.32	
	21	104.25	103.99	104.16	104.25	104.41	104.89	104.64	104.41	104.34	104.16	104.33	104.32	
	22	104.25	103.99	104.16	104.29	104.40	104.84	104.66	104.42	104.34	104.17	104.32	104.32	
	23	104.25	103.98	104.16	104.29	104.38	105.19	104.60	104.42	104.33	104.18	104.32	104.32	
	24	104.25	103.99	104.16	104.29	104.38	105.38	104.56	104.42	104.33	104.17	104.32	104.32	
	25	104.25	103.99	104.16	104.29	104.41	105.31	104.52	104.41	104.33	104.17	104.28	104.32	
	26	104.25	103.99	104.16	104.29	104.46	105.70	104.50	104.41	104.32	104.16	104.23	104.32	
	27	104.25	103.99	104.16	104.29	104.45	105.26	104.49	104.40	104.30	104.16	104.17	104.32	
	28	104.25	103.99	104.16	104.29	104.46	105.01	104.48	104.40	104.28	104.14	104.17	104.32	
	29	104.25	103.99	104.16	104.29	104.55	104.94	104.72	104.41	104.29	104.13		104.32	
	30	104.25	103.99	104.16	104.29	104.56	104.83	105.32	104.40	104.32	104.13		104.32	
	31		103.99		104.29	104.59		105.26		104.30	104.12		104.32	
Mean		104.25	103.99	104.16	104.22	104.50	105.11	104.79	104.49	104.36	104.18	104.18	104.32	
Max		104.25	104.00	104.16	104.29	105.65	105.70	105.32	105.04	104.40	104.29	104.33	104.32	105.70
Min		104.25	103.98	104.16	104.16	104.27	104.79	104.48	104.40	104.28	104.12	104.03	104.32	103.98
Annual Max Momentary Gage Height			106.48		m. (MSL.) ,	at 09.00 Hours , on Sep 5, 2021								
Zero Gage at Bottom Elevation			104.35		m. (MSL.) ,	River Bed	103.19	m. (MSL.)						
Left Bank Elevation			109.15		m. (MSL.) ,									
Right Bank Elevation			109.12		m. (MSL.) ,	Drainage Are	176	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	0.00	6.11	11.47	7.28	0.25	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	3.87	4.98	5.67	0.25	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	5.67	3.99	3.12	0.32	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	2.30	5.96	3.62	2.39	0.32	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.25	19.35	2.39	1.76	0.32	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	6.84	2.03	1.22	0.32	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.06	4.73	1.58	0.95	0.32	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.13	3.99	1.22	0.89	0.32	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.19	7.43	1.22	0.76	0.32	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.19	5.67	1.13	0.70	0.13	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	16.02	10.07	0.57	0.06	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	18.24	4.98	0.51	0.19	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.00	6.40	4.36	0.44	0.13	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	7.57	6.70	7.72	0.44	0.13	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	18.90	7.43	8.33	0.44	0.13	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	4.98	8.86	7.43	0.51	0.06	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	2.03	14.60	5.96	0.51	0.06	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	1.04	8.01	4.11	0.51	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.51	8.51	4.11	0.44	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.70	6.40	3.00	0.44	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.38	5.11	2.21	0.38	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.32	4.49	2.39	0.44	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.19	9.73	1.85	0.44	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.19	13.22	1.49	0.44	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.38	11.84	1.13	0.38	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.70	20.01	0.95	0.38	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.63	10.94	0.89	0.32	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.70	6.84	0.82	0.32	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	1.40	5.82	3.00	0.38	0.00	0.00		0.00	
30	0.00	0.00	0.00	0.00	1.49	4.36	12.03	0.32	0.00	0.00		0.00	
31		0.00		0.00	1.76		10.94		0.00	0.00		0.00	
Total	0.00	0.00	0.00	0.00	46.99	263.15	131.40	33.35	3.63	0.00	0.00	0.00	478.52 CMSDAY
Mean	0.00	0.00	0.00	0.00	1.52	8.77	4.24	1.11	0.12	0.00	0.00	0.00	1.31 CMS
Max	0.00	0.00	0.00	0.00	18.90	20.01	12.03	7.28	0.32	0.00	0.00	0.00	20.01 CMS
Min	0.00	0.00	0.00	0.00	0.00	3.87	0.82	0.32	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	0.00	0.00	0.00	4.06	22.74	11.35	2.88	0.31	0.00	0.00	0.00	41.34 MCM
Momentary Peak	40.72 CMS. at 106.48 m. (MSL.) at 09.00 Hours , on Sep 5, 2021												
Runoff Yield	7.45	Liters/Second/Square KM.			Momentary Peak Yield			231.36 Liters/Second/Square KM.					

WATER YEAR : 2021

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
Drainage Area	972 sq.km.		
Type of Gage	Staff gage		
Zero Gage at Bottom	+182.830 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 13 meters from the top staff gage.	Elevation	+191.446 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.		
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings		
Period of Available Gage Records	1983 to date		
Rating Operation			
Period of Rating	1994 to date		
Rated by Float	-		
Rated by Current Meter	1994 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 12 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	185.71	186.39	185.91	186.14	187.48	187.85	187.89	186.63	186.01	185.88	185.81	185.83	
2	185.72	186.38	185.87	186.03	187.26	187.83	187.94	186.65	186.01	185.88	185.81	185.82	
3	185.71	186.12	185.84	185.97	187.13	187.88	188.03	186.50	186.00	185.87	185.80	185.81	
4	185.71	186.21	185.81	185.94	187.18	188.05	187.92	186.42	185.99	185.86	185.81	185.81	
5	185.75	186.09	185.80	185.92	186.81	188.46	187.69	186.39	185.98	185.87	185.85	185.81	
6	185.83	186.01	185.83	185.91	186.43	188.76	187.40	186.44	185.97	185.87	185.93	185.81	
7	186.17	185.97	186.02	186.00	186.30	188.59	187.25	186.41	185.97	185.86	185.95	185.81	
8	186.11	185.95	186.19	186.30	186.23	188.23	187.23	186.38	185.97	185.86	185.90	185.88	
9	185.97	185.99	186.39	186.32	186.15	188.36	187.23	186.35	185.96	185.86	185.87	185.90	
10	185.91	185.97	186.44	186.14	186.08	188.92	186.99	186.32	185.96	185.86	185.85	185.84	
11	185.91	185.92	186.49	186.08	186.04	189.10	186.95	186.33	185.96	185.86	185.84	185.83	
12	185.91	185.90	186.18	186.03	186.02	189.22	187.50	186.33	185.95	185.85	185.83	185.82	
13	185.95	185.88	186.01	185.97	186.01	189.06	188.03	186.30	185.95	185.84	185.83	185.81	
14	185.95	185.87	186.26	186.04	186.03	188.78	187.97	186.23	185.95	185.84	185.81	185.81	
15	185.96	185.86	186.68	186.22	186.33	188.61	187.62	186.20	185.95	185.84	185.87	185.80	
16	185.95	185.84	186.61	186.21	186.66	188.53	187.49	186.19	185.94	185.83	185.90	185.82	
17	186.07	185.83	186.27	186.75	186.46	188.61	188.27	186.18	185.93	185.83	185.86	185.80	
18	186.33	185.84	186.06	186.45	186.31	188.68	188.13	186.16	185.93	185.83	185.85	185.80	
19	186.48	185.84	185.87	186.22	186.19	188.85	187.79	186.15	185.92	185.82	185.85	185.90	
20	186.25	185.84	185.70	186.33	186.13	189.00	187.48	186.15	185.92	185.82	186.06	185.86	
21	186.05	185.83	185.69	186.45	186.10	188.96	187.24	186.15	185.92	185.84	186.48	185.85	
22	185.98	185.84	185.71	186.84	186.06	188.78	187.30	186.14	185.92	185.87	186.23	185.86	
23	185.92	185.83	185.67	187.36	186.02	188.76	187.38	186.13	185.93	185.93	185.99	185.92	
24	185.89	185.82	185.80	187.52	185.97	188.66	187.16	186.13	185.92	185.90	185.94	185.88	
25	185.86	185.82	185.97	187.49	186.58	188.87	186.97	186.11	185.92	185.87	185.92	185.99	
26	185.86	185.91	185.95	188.10	187.15	188.94	186.83	186.10	185.91	185.85	185.91	185.91	
27	186.20	185.93	185.94	188.52	187.03	188.71	186.72	186.09	185.92	185.85	185.91	185.87	
28	186.02	185.91	185.94	188.17	186.79	188.53	186.63	186.07	185.90	185.84	185.90	185.84	
29	186.14	186.03	185.95	187.77	186.69	188.37	186.57	186.04	185.90	185.83		185.85	
30	186.20	186.06	186.08	187.68	187.40	188.13	186.54	186.02	185.89	185.83		185.86	
31		185.96		187.53	187.80		186.51		185.89	185.82		185.84	
Mean	185.98	185.96	186.03	186.66	186.54	188.60	187.38	186.26	185.94	185.85	185.91	185.85	
Max	186.48	186.39	186.68	188.52	187.80	189.22	188.27	186.65	186.01	185.93	186.48	185.99	189.22
Min	185.71	185.82	185.67	185.91	185.97	187.83	186.51	186.02	185.89	185.82	185.80	185.80	185.67
Annual Max Momentary Gage Height	189.23		m. (MSL.) ,			at 15.00 Hours , on Sep 12, 2021							
Zero Gage at Bottom Elevation		182.83	m. (MSL.) ,			River Bed	183.03	m. (MSL.)					
Left Bank Elevation		190.12	m. (MSL.) ,										
Right Bank Elevation		191.18	m. (MSL.) ,			Drainage Are	972	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	33.01	41.22	42.12	15.90	5.00	2.90	0.00	2.09	
2	0.00	0.00	0.00	0.00	28.31	40.77	43.29	16.28	5.00	2.90	0.00	1.93	
3	0.00	0.00	0.00	0.00	25.62	41.89	45.42	13.40	4.84	2.74	0.00	1.77	
4	0.00	0.00	0.00	0.00	26.66	45.90	42.81	11.97	4.68	2.58	0.00	1.77	
5	0.00	0.00	0.00	0.00	19.36	55.77	37.64	11.43	4.52	2.74	0.00	1.77	
6	0.00	0.00	0.00	3.38	12.15	63.33	31.29	12.33	4.35	2.74	0.00	1.77	
7	0.00	0.00	0.00	4.84	9.82	59.01	28.11	11.79	4.35	2.58	0.00	1.77	
8	0.00	0.00	0.00	9.82	8.64	50.21	27.69	11.25	4.35	2.58	0.00	2.90	
9	0.00	0.00	11.43	10.18	7.30	53.35	27.69	10.72	4.19	2.58	0.00	3.22	
10	0.00	0.00	12.33	7.13	6.14	67.49	22.86	10.18	4.19	2.58	2.42	2.25	
11	0.00	0.00	13.22	6.14	5.49	72.22	22.08	10.36	4.19	2.58	2.25	2.09	
12	0.00	0.00	7.80	5.33	5.16	75.36	33.44	10.36	4.03	2.42	2.09	1.93	
13	0.00	0.00	5.00	4.35	5.00	71.17	45.42	9.82	4.03	2.25	2.09	1.77	
14	0.00	0.00	9.15	5.49	5.33	63.85	44.00	8.64	4.03	2.25	1.77	1.77	
15	0.00	0.00	16.86	8.48	10.36	59.51	36.09	8.14	4.03	2.25	2.74	1.61	
16	0.00	0.00	15.51	8.31	16.47	57.50	33.23	7.97	3.87	2.09	3.22	1.93	
17	0.00	0.00	9.32	18.21	12.68	59.51	51.18	7.80	3.71	2.09	2.58	1.61	
18	0.00	0.00	5.81	12.51	10.00	61.28	47.80	7.47	3.71	2.09	2.42	1.61	
19	0.00	0.00	0.00	8.48	7.97	65.67	39.88	7.30	3.54	1.93	2.42	3.22	
20	0.00	0.00	0.00	10.36	6.96	69.59	33.01	7.30	3.54	0.00	5.81	2.58	
21	0.00	0.00	0.00	12.51	6.46	68.54	27.90	7.30	3.54	0.00	13.04	2.42	
22	0.00	0.00	0.00	19.94	5.81	63.85	29.14	7.13	3.54	0.00	8.64	2.58	
23	0.00	0.00	0.00	30.43	5.16	63.33	30.86	6.96	3.71	0.00	4.68	3.54	
24	0.00	0.00	0.00	33.88	4.35	60.77	26.24	6.96	3.54	0.00	3.87	2.90	
25	0.00	0.00	0.00	33.23	14.94	66.18	22.47	6.63	3.54	0.00	3.54	4.68	
26	0.00	0.00	0.00	47.08	26.04	68.01	19.75	6.46	3.38	0.00	3.38	3.38	
27	0.00	0.00	0.00	57.24	23.64	62.04	17.63	6.30	3.54	0.00	3.38	2.74	
28	0.00	0.00	0.00	48.77	18.98	57.50	15.90	5.97	3.22	0.00	3.22	2.25	
29	0.00	0.00	0.00	39.43	17.05	53.59	14.74	5.49	3.22	0.00		2.42	
30	0.00	0.00	0.00	37.42	31.29	47.80	14.17	5.16	3.06	0.00		2.58	
31		0.00		34.10	40.10		13.59		3.06	0.00		2.25	
Total	0.00	0.00	106.43	517.04	456.25	1786.21	967.44	274.77	121.50	46.87	73.56	73	

WATER YEAR : 2021

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
Drainage 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	Stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 21 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	209.63	209.68	210.07	209.68	210.76	211.93	211.72	210.72	209.95	209.95	209.83	209.92	
2	209.63	209.68	210.01	209.67	210.64	211.88	211.73	210.68	209.95	209.95	209.83	209.92	
3	209.63	209.67	209.95	209.67	210.61	212.09	211.36	210.66	209.95	209.95	209.83	209.92	
4	209.63	209.67	209.88	209.67	210.45	212.10	211.26	210.62	209.97	209.94	209.85	209.93	
5	209.63	209.67	209.84	209.67	210.31	211.84	211.10	210.59	210.00	209.94	209.90	209.94	
6	209.63	209.66	209.83	209.66	210.36	211.82	211.06	210.54	210.02	209.94	209.92	209.95	
7	209.63	209.66	210.21	209.66	210.28	211.95	211.00	210.51	210.01	209.94	209.92	209.95	
8	209.63	209.66	210.76	210.20	210.27	211.85	211.00	210.47	210.01	209.94	209.93	209.95	
9	209.63	209.66	210.39	210.50	210.18	211.76	211.00	210.41	210.01	209.93	209.93	209.94	
10	209.63	209.65	210.20	210.11	210.09	211.67	211.00	210.38	210.00	209.93	209.93	209.94	
11	209.63	209.65	210.09	210.17	210.07	211.63	211.13	210.34	210.00	209.93	209.92	209.93	
12	209.63	209.65	209.97	210.17	210.10	211.80	211.04	210.29	210.02	209.93	209.92	209.93	
13	209.64	209.65	209.92	210.10	210.09	211.71	211.03	210.25	210.01	209.93	209.91	209.93	
14	209.65	209.65	209.85	210.13	210.11	211.64	211.03	210.21	210.01	209.92	209.91	209.93	
15	209.65	209.66	209.82	210.04	210.96	211.57	211.03	210.18	210.01	209.92	209.91	209.93	
16	209.64	209.66	209.77	210.16	210.53	211.65	211.29	210.13	210.00	209.92	209.94	209.93	
17	209.64	209.66	209.73	209.62	210.35	211.72	211.39	210.12	210.00	209.91	210.21	209.94	
18	209.66	209.65	209.72	209.93	210.07	211.69	211.02	210.10	210.00	209.91	210.12	209.94	
19	209.68	209.65	209.71	209.50	210.06	211.67	210.93	210.09	210.01	209.91	210.16	209.94	
20	209.67	209.65	209.71	209.88	210.01	211.69	211.03	210.08	210.01	209.90	210.10	209.97	
21	209.66	209.65	209.69	209.81	209.99	211.62	211.03	210.07	210.01	209.89	210.11	210.15	
22	209.65	209.64	209.68	209.77	209.93	211.62	211.03	210.05	210.00	209.88	210.07	210.20	
23	209.65	209.64	209.67	209.71	209.90	211.58	211.02	210.03	210.00	209.87	210.04	210.18	
24	209.70	209.66	209.67	209.61	209.94	211.54	211.02	210.01	209.99	209.87	210.02	210.16	
25	209.67	209.76	209.66	209.47	210.06	211.53	211.02	210.00	209.98	209.86	209.98	210.15	
26	209.67	209.76	209.66	211.64	210.21	211.71	211.02	209.98	209.98	209.85	209.93	210.14	
27	209.66	209.96	209.67	210.61	210.39	211.76	211.01	209.98	209.97	209.84	209.93	210.14	
28	209.65	210.29	209.67	211.18	210.50	211.68	211.01	209.97	209.97	209.84	209.92	210.13	
29	209.74	210.26	209.67	210.91	210.48	211.63	211.00	209.96	209.96	209.83		210.13	
30	209.75	210.16	209.66	210.69	214.17	211.48	210.99	209.96	209.96	209.83		210.14	
31		210.12		210.70	211.60		210.98		209.95	209.83		210.14	
Mean	209.65	209.74	209.87	210.07	210.43	211.73	211.11	210.25	209.99	209.90	209.96	210.01	
Max	209.75	210.29	210.76	211.64	214.17	212.10	211.73	210.72	210.02	209.95	210.21	210.20	214.17
Min	209.63	209.64	209.66	209.47	209.90	211.48	210.93	209.96	209.95	209.83	209.83	209.92	209.47
Annual Max Momentary Gage Height	214.70		m. (MSL.) ,			at 06.00 Hours ,	on Aug 30, 2021						
Zero Gage at Bottom Elevation		208.36	m. (MSL.) ,			River Bed	209.49	m. (MSL.)					
Left Bank Elevation		214.95	m. (MSL.) ,										
Right Bank Elevation		214.99	m. (MSL.) ,			Drainage Are	316	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.03	0.08	0.91	0.08	3.44	13.60	10.90	3.26	0.58	0.58	0.28	0.50		
2	0.03	0.08	0.73	0.07	2.90	12.90	11.01	3.08	0.58	0.58	0.28	0.50		
3	0.03	0.07	0.58	0.07	2.77	16.21	7.23	2.99	0.58	0.58	0.28	0.50		
4	0.03	0.07	0.40	0.07	2.14	16.39	6.35	2.81	0.63	0.55	0.33	0.53		
5	0.03	0.07	0.30	0.07	1.65	12.34	5.19	2.68	0.70	0.55	0.45	0.55		
6	0.03	0.06	0.28	0.06	1.81	12.06	4.94	2.49	0.76	0.55	0.50	0.58		
7	0.03	0.06	1.33	0.06	1.56	13.88	4.56	2.37	0.73	0.55	0.50	0.58		
8	0.03	0.06	3.44	1.30	1.52	12.48	4.56	2.21	0.73	0.55	0.53	0.58		
9	0.03	0.06	1.91	2.33	1.24	11.34	4.56	1.98	0.73	0.53	0.53	0.55		
10	0.03	0.05	1.30	1.03	0.97	10.35	4.56	1.88	0.70	0.53	0.53	0.55		
11	0.03	0.05	0.97	1.21	0.91	9.91	5.38	1.75	0.70	0.53	0.50	0.53		
12	0.03	0.05	0.63	1.21	1.00	11.78	4.81	1.59	0.76	0.53	0.50	0.53		
13	0.04	0.05	0.50	1.00	0.97	10.79	4.75	1.46	0.73	0.53	0.48	0.53		
14	0.05	0.05	0.33	1.09	1.03	10.02	4.75	1.33	0.73	0.50	0.48	0.53		
15	0.05	0.06	0.25	0.82	4.37	9.28	4.75	1.24	0.73	0.50	0.48	0.53		
16	0.04	0.06	0.17	1.18	2.45	10.13	6.61	1.09	0.70	0.50	0.55	0.53		
17	0.04	0.06	0.13	0.02	1.78	10.90	7.49	1.06	0.70	0.48	1.33	0.55		
18	0.06	0.05	0.12	0.53	0.91	10.57	4.69	1.00	0.70	0.48	1.06	0.55		
19	0.08	0.05	0.11	0.00	0.88	10.35	4.23	0.97	0.73	0.48	1.18	0.55		
20	0.07	0.05	0.11	0.40	0.73	10.57	4.75	0.94	0.73	0.45	1.00	0.63		
21	0.06	0.05	0.09	0.23	0.68	9.80	4.75	0.91	0.73	0.43	1.03	1.15		
22	0.05	0.04	0.08	0.17	0.53	9.80	4.75	0.85	0.70	0.40	0.91	1.30		
23	0.05	0.04	0.07	0.11	0.45	9.38	4.69	0.79	0.70	0.38	0.82	1.24		
24	0.10	0.06	0.07	0.01	0.55	8.98	4.69	0.73	0.68	0.38	0.76	1.18		
25	0.07	0.16	0.06	0.00	0.88	8.88	4.69	0.70	0.65	0.35	0.65	1.15		
26	0.07	0.16	0.06	10.02	1.33	10.79	4.69	0.65	0.65	0.33	0.53	1.12		
27	0.06	0.60	0.07	2.77	1.91	11.34	4.62	0.65	0.63	0.30	0.53	1.12		
28	0.05	1.59	0.07	5.69	2.33	10.46	4.62	0.63	0.63	0.30	0.50	1.09		
29	0.14	1.49	0.07	4.14	2.25	9.91	4.56	0.60	0.60	0.28		1.09		
30	0.15	1.18	0.06	3.13	72.14	8.38	4.51	0.60	0.60	0.28		1.12		
31		1.06		3.17	9.58		4.47		0.58	0.28		1.12		
Total	1.59	7.62	15.20	42.04	127.66	333.57	167.11	45.29	21.08	14.24	17.50	23.56	816.46	CMSDAY
Mean	0.05	0.25	0.51	1.36	4.12	11.12								

WATER YEAR : 2021**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
Drainage 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 16 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	201.14	202.23	201.52	202.09	202.87	202.71	204.37	204.03	201.56	201.07	201.48	201.40	
2	201.08	202.16	201.48	201.98	202.47	203.33	203.77	203.35	201.53	201.05	201.49	201.40	
3	201.05	202.05	201.45	201.69	202.29	204.76	203.90	202.45	201.52	201.01	201.58	201.40	
4	201.02	201.93	201.44	201.54	203.81	205.14	203.29	202.25	201.51	200.98	201.50	201.29	
5	200.99	201.83	201.43	201.47	202.84	205.87	202.95	202.13	201.49	201.01	201.50	201.26	
6	200.98	201.70	201.42	201.83	202.36	205.14	202.97	202.06	201.42	200.99	201.50	201.37	
7	200.98	201.65	201.41	201.40	202.14	204.30	202.81	202.01	201.41	200.99	201.53	201.54	
8	200.97	201.60	201.41	202.76	202.65	204.21	202.95	201.96	201.38	201.02	201.52	201.63	
9	200.97	201.59	201.40	203.99	202.17	206.16	202.58	201.91	201.36	201.18	201.50	201.59	
10	200.97	201.55	201.40	203.19	201.97	205.43	202.41	201.87	201.33	201.18	201.41	201.48	
11	200.97	201.52	201.42	202.44	201.88	204.46	203.27	201.84	201.19	201.18	201.46	201.43	
12	200.96	201.49	201.44	202.03	201.82	205.11	205.05	201.82	201.27	201.18	201.51	201.39	
13	200.96	201.47	201.43	201.84	201.86	204.03	204.91	201.80	201.24	201.17	201.52	201.30	
14	200.95	201.46	201.42	202.85	201.84	204.82	203.40	201.78	201.23	201.16	201.52	201.32	
15	200.95	201.45	201.42	202.42	201.85	204.03	202.96	201.76	201.20	201.17	201.55	201.35	
16	200.95	201.48	201.43	202.77	201.80	203.76	203.10	201.74	201.19	201.16	201.52	201.31	
17	200.98	201.55	201.45	203.25	201.77	204.07	205.26	201.72	201.18	201.27	201.58	201.28	
18	201.06	201.56	201.45	203.33	201.73	203.43	204.12	201.71	201.17	201.60	201.59	201.28	
19	201.32	201.57	201.44	202.96	201.68	204.16	203.49	201.71	201.15	201.63	201.61	201.27	
20	201.40	201.58	201.43	202.62	201.84	204.78	203.12	201.70	201.14	201.65	201.59	201.24	
21	201.35	201.57	201.44	202.53	201.75	203.56	202.90	201.68	201.12	201.64	201.62	201.27	
22	201.37	201.56	201.46	202.65	202.53	203.54	202.84	201.66	201.12	201.64	201.64	201.30	
23	201.60	201.56	201.43	205.58	201.72	203.77	202.78	201.65	201.11	201.77	201.56	201.46	
24	201.57	201.57	201.50	205.42	201.61	204.25	202.54	201.64	201.11	201.72	201.50	201.42	
25	201.62	201.61	201.47	205.55	202.02	205.25	202.44	201.62	201.11	201.66	201.49	201.38	
26	201.57	201.58	201.45	205.70	204.92	205.39	202.31	201.61	201.10	201.59	201.49	201.33	
27	201.56	201.57	201.45	205.32	203.16	205.15	202.24	201.60	201.10	201.55	201.48	201.29	
28	201.55	201.56	201.44	204.12	202.59	205.57	202.20	201.59	201.10	201.52	201.50	201.27	
29	202.06	201.56	201.44	203.34	203.02	204.87	202.14	201.59	201.10	201.49		201.27	
30	202.45	201.58	201.46	202.91	203.02	203.94	202.11	201.58	201.09	201.47		201.26	
31		201.57		202.65	203.88		202.08		201.09	201.44		201.27	
Mean	201.25	201.64	201.44	203.04	202.38	204.50	203.14	201.93	201.25	201.33	201.53	201.36	
Max	202.45	202.23	201.52	205.70	204.92	206.16	205.26	204.03	201.56	201.77	201.64	201.63	206.16
Min	200.95	201.45	201.40	201.40	201.61	202.71	202.08	201.58	201.09	200.98	201.41	201.24	200.95
Annual Max Momentary Gage Height	206.35		m. (MSL.) ,			at 15.00 Hours ,	on Sep 9, 2021						
Zero Gage at Bottom Elevation		197.68	m. (MSL.) ,			River Bed	199.96	m. (MSL.)					
Left Bank Elevation		206.53	m. (MSL.) ,										
Right Bank Elevation		206.68	m. (MSL.) ,			Drainage Are	420	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	1.98	0.00	1.66	4.17	3.55	14.86	11.39	0.74	0.17	0.62	0.00		
2	0.00	1.81	0.00	1.43	2.66	6.45	9.18	6.56	0.70	0.15	0.64	0.00		
3	0.00	1.57	0.00	0.94	2.13	20.05	10.25	2.59	0.68	0.11	0.77	0.00		
4	0.00	1.34	0.00	0.71	9.49	26.80	6.24	2.03	0.67	0.08	0.65	0.00		
5	0.00	1.17	0.00	0.61	4.04	49.97	4.50	1.75	0.64	0.11	0.65	0.00		
6	0.00	0.00	0.00	1.17	2.30	26.80	4.58	1.59	0.53	0.09	0.65	0.47		
7	0.00	0.00	0.00	0.50	1.77	14.12	3.92	1.48	0.52	0.09	0.70	0.71		
8	0.00	0.00	0.00	3.73	3.33	13.17	4.50	1.39	0.48	0.12	0.68	0.85		
9	0.00	0.00	0.00	11.02	1.83	67.75	3.07	1.31	0.46	0.28	0.65	0.79		
10	0.00	0.00	0.00	5.71	1.41	32.90	2.44	1.24	0.43	0.28	0.00	0.62		
11	0.00	0.00	0.00	2.55	1.26	15.98	6.13	1.19	0.29	0.28	0.00	0.55		
12	0.00	0.00	0.00	1.53	1.15	26.20	25.00	1.15	0.37	0.28	0.00	0.49		
13	0.00	0.00	0.00	1.19	1.22	11.39	22.47	1.12	0.34	0.27	0.00	0.40		
14	0.00	0.00	0.00	4.09	1.19	20.94	6.82	1.09	0.33	0.26	0.00	0.42		
15	0.00	0.00	0.00	2.47	1.21	11.39	4.54	1.05	0.30	0.27	0.00	0.45		
16	0.00	0.00	0.00	3.77	1.12	9.10	5.23	1.02	0.29	0.26	0.00	0.41		
17	0.00	0.00	0.00	6.03	1.07	11.79	29.20	0.98	0.28	0.37	0.00	0.38		
18	0.00	0.00	0.00	6.45	1.00	6.99	12.28	0.97	0.27	0.80	0.00	0.38		
19	0.00	0.00	0.00	4.54	0.92	12.67	7.32	0.97	0.25	0.85	0.00	0.37		
20	0.00	0.00	0.00	3.21	1.19	20.32	5.34	0.95	0.24	0.88	0.00	0.34		
21	0.00	0.00	0.00	2.88	1.04	7.70	4.29	0.92	0.22	0.86	0.00	0.37		
22	0.00	0.00	0.00	3.33	2.88	7.59	4.04	0.89	0.22	0.86	0.00	0.40		
23	0.00	0.00	0.00	37.40	0.98	9.18	3.81	0.88	0.21	1.07	0.00	0.59		
24	0.00	0.00	0.00	32.60	0.82	13.59	2.92	0.86	0.21	0.98	0.00	0.53		
25	0.00	0.00	0.00	36.50	1.50	29.00	2.55	0.83	0.21	0.89	0.00	0.48		
26	0.00	0.00	0.00	42.03	22.64	31.80	2.18	0.82	0.20	0.79	0.00	0.43		
27	0.00	0.00	0.00	30.40	5.55	27.00	2.00	0.80	0.20	0.73	0.00	0.39		
28	0.00	0.00	0.00	12.28	3.10	37.10	1.90	0.79	0.20	0.68	0.00	0.37		
29	1.59	0.00	0.00	6.50	4.81	21.79	1.77	0.79	0.20	0.64		0.37		
30	2.59	0.00	0.00	4.33	4.81	10.59	1.70	0.77	0.19	0.61		0.36		
31		0.00		3.33	10.08		1.64		0.19	0.56		0.37		
Total	4.18	7.87	0.00	274.89	102.67	603.67	216.67	50.17	11.06	14.67	6.01	12.29	1304.15	CMSDAY
Mean	0.14	0.25	0.00	8.87	3.31</									

WATER YEAR : 2021**NAN RIVER BASIN****Nan River at Ban Hat Song Khwae , Uttaradit (N.60)**

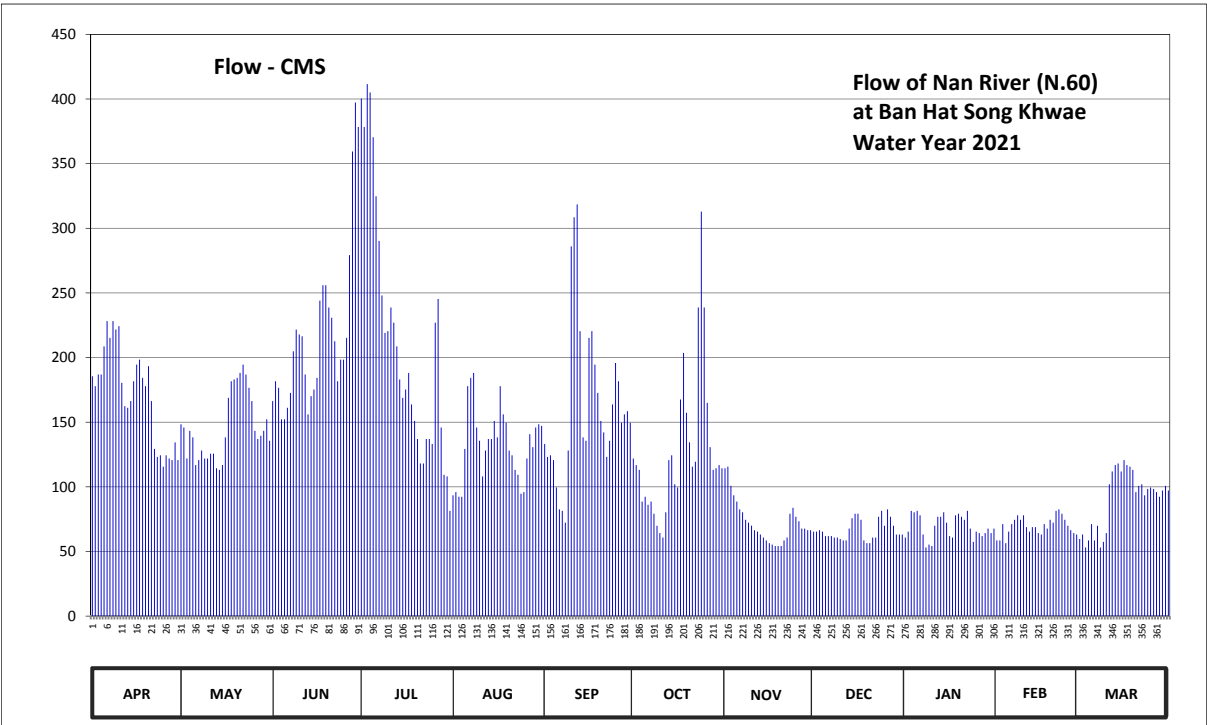
Lat 17 - 25 - 06 N Long 100 - 07 - 51 E

Location : on right bank about 1 kilometer downstream from Wat Hat Song Khwae.

	Ban	Hat Song Khwae	Amphoe	Tron	Changwat	Uttaradit
Drainage Area	18,232	sq.km.				
Type of Gage	Staff	gage				
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	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1986 to date					
Rating Operation						
Period of Rating	1986 to date					
Rated by 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 20 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	49.81	49.52	49.66	51.32	49.08	49.40	49.31	49.25	48.84	48.80	48.78	48.79	
2	49.75	49.50	49.78	51.18	49.10	49.32	49.27	49.26	48.84	48.84	48.78	48.82	
3	49.82	49.31	49.74	51.39	49.07	49.33	49.24	49.14	48.85	48.98	48.89	48.73	
4	49.82	49.48	49.55	51.35	49.07	49.30	49.04	49.08	48.84	48.97	48.76	48.78	
5	49.99	49.44	49.55	51.13	49.37	49.13	49.07	49.04	48.81	48.98	48.84	48.89	
6	50.14	49.27	49.62	50.84	49.75	48.99	49.02	48.99	48.81	48.95	48.89	48.78	
7	50.04	49.30	49.71	50.60	49.80	48.98	49.04	48.97	48.81	48.82	48.92	48.88	
8	50.14	49.36	49.96	50.29	49.83	48.90	48.96	48.92	48.80	48.73	48.95	48.73	
9	50.09	49.31	50.09	50.07	49.50	49.36	48.88	48.90	48.80	48.75	48.92	48.77	
10	50.11	49.31	50.06	50.08	49.42	50.57	48.83	48.88	48.79	48.74	48.95	48.83	
11	49.77	49.34	50.05	50.22	49.20	50.73	48.80	48.85	48.78	48.88	48.87	49.15	
12	49.63	49.34	49.82	50.13	49.36	50.80	48.97	48.84	48.78	48.94	48.84	49.23	
13	49.62	49.25	49.58	49.99	49.43	50.08	49.30	48.82	48.86	48.94	48.87	49.27	
14	49.66	49.24	49.69	49.79	49.43	49.44	49.33	48.80	48.93	48.97	48.87	49.28	
15	49.78	49.27	49.73	49.68	49.54	49.42	49.15	48.78	48.96	48.90	48.83	49.23	
16	49.88	49.44	49.80	49.73	49.44	50.04	49.13	48.76	48.96	48.81	48.82	49.30	
17	49.91	49.68	50.26	49.83	49.75	50.08	49.67	48.75	48.92	48.80	48.89	49.27	
18	49.80	49.78	50.35	49.64	49.58	49.88	49.95	48.74	48.78	48.95	48.86	49.26	
19	49.75	49.79	50.35	49.54	49.53	49.71	49.59	48.74	48.76	48.96	48.92	49.24	
20	49.87	49.80	50.22	49.43	49.36	49.54	49.41	48.74	48.76	48.94	48.90	49.10	
21	49.66	49.83	50.16	49.28	49.33	49.47	49.26	48.78	48.80	48.92	48.98	49.14	
22	49.37	49.88	50.02	49.28	49.24	49.32	49.29	48.80	48.80	48.98	48.99	49.15	
23	49.32	49.82	49.78	49.43	49.21	49.42	50.22	48.96	48.94	48.86	48.96	49.08	
24	49.33	49.74	49.91	49.43	49.09	49.64	50.76	49.00	48.98	48.77	48.92	49.12	
25	49.26	49.66	49.91	49.40	49.10	49.89	50.22	48.94	48.88	48.84	48.88	49.13	
26	49.33	49.48	50.04	50.13	49.31	49.78	49.65	48.91	48.99	48.83	48.85	49.12	
27	49.31	49.43	50.52	50.27	49.46	49.53	49.38	48.86	48.94	48.81	48.83	49.10	
28	49.30	49.45	51.06	49.50	49.38	49.58	49.24	48.86	48.88	48.83	48.82	49.07	
29	49.41	49.48	51.30	49.21	49.50	49.60	49.25	48.85	48.82	48.86		49.11	
30	49.30	49.55	51.18	49.20	49.52	49.53	49.27	48.85	48.82	48.83		49.14	
31		49.42		48.98	49.51		49.25		48.82	48.86		49.11	
Mean	49.70	49.50	50.05	50.01	49.40	49.63	49.35	48.90	48.85	48.87	48.88	49.05	
Max	50.14	49.88	51.30	51.39	49.83	50.80	50.76	49.26	48.99	48.98	48.99	49.30	51.39
Min	49.26	49.24	49.55	48.98	49.07	48.90	48.80	48.74	48.76	48.73	48.76	48.73	48.73
Annual Max Momentary Gage Height	51.77		m. (MSL.) ,			at 15.00 Hours ,	on Jul 3, 2021						
Zero Gage at Bottom Elevation	48.50		m. (MSL.) ,			River Bed	44.13	m. (MSL.)					
Left Bank Elevation	58.58		m. (MSL.) ,										
Right Bank Elevation	56.52		m. (MSL.) ,			Drainage Are	18,232	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	185.57	148.41	166.29	400.44	93.48	133.16	121.88	114.37	65.37	60.78	58.58	59.68		
2	177.86	145.87	181.71	378.33	95.92	123.14	116.87	115.62	65.37	65.37	58.58	63.08		
3	186.85	121.88	176.57	411.50	92.27	124.39	113.11	100.79	66.52	81.44	71.11	53.09		
4	186.85	143.33	152.23	405.18	92.27	120.63	88.61	93.48	65.37	80.30	56.38	58.58		
5	208.70	138.24	152.23	370.46	129.40	99.57	92.27	88.61	61.93	81.44	65.37	71.11		
6	228.25	116.87	161.15	324.82	177.86	82.59	86.18	82.59	61.93	78.00	71.11	58.58		
7	215.20	120.63	172.72	290.22	184.28	81.44	88.61	80.30	61.93	63.08	74.56	69.96		
8	228.25	128.15	204.84	248.02	188.14	72.26	79.15	74.56	60.78	53.09	78.00	53.09		
9	221.73	121.88	221.73	219.12	145.87	128.15	69.96	72.26	60.78	55.29	74.56	57.48		
10	224.34	121.88	217.81	220.42	135.70	286.08	64.22	69.96	59.68	54.19	78.00	64.22		
11	180.43	125.64	216.51	238.73	108.10	308.62	60.78	66.52	58.58	69.96	68.82	102.01		
12	162.44	125.64	186.85	226.95	128.15	318.52	80.30	65.37	58.58	76.85	65.37	111.86		
13	161.15	114.37	156.04	208.70	136.97	220.42	120.63	63.08	67.67	76.85	68.82	116.87		
14	166.29	113.11	170.15	183.00	136.97	138.24	124.39	60.78	75.70	80.30	68.82	118.12		
15	181.71	116.87	175.29	168.86	150.95	135.70	102.01	58.58	79.15	72.26	64.22	111.86		
16	194.56	138.24	184.28	175.29	138.24	215.20	99.57	56.38	79.15	61.93	63.08	120.63		
17	198.42	168.86	244.04	188.14	177.86	220.42	167.58	55.29	74.56	60.78	71.11	116.87		
18	184.28	181.71	255.99	163.72	156.04	194.56	203.56	54.19	58.58	78.00	67.67	115.62		
19	177.86	183.00	255.99	150.95	149.68	172.72	157.31	54.19	56.38	79.15	74.56	113.11		
20	193.28	184.28	238.73	136.97	128.15	150.95	134.43	54.19	56.38	76.85	72.26	95.92		
21	166.29	188.14	230.86	118.12	124.39	142.06	115.62	58.58	60.78	74.56	81.44	100.79		
22	129.40	194.56	212.59	118.12	113.11	123.14	119.38	60.78	60.78	81.44	82.59	102.01		
23	123.14	186.85	181.71	136.97	109.35	135.70	238.73	79.15	76.85	67.67	79.15	93.48		
24	124.39	176.57	198.42	136.97	94.70	163.72	312.86	83.74	81.44	57.48	74.56	98.36		
25	115.62	166.29	198.42	133.16	95.92	195.85	238.73	76.85	69.96	65.37	69.96	99.57		
26	124.39	143.33	215.20	226.95	121.88	181.71	165.01	73.41	82.59	64.22	66.52	98.36		
27	121.88	136.97	279.18	245.37	140.79	149.68	130.65	67.67	76.85	61.93	64.22	95.92		
28	120.63	139.52	359.44	145.87	130.65	156.04	113.11	67.67	69.96	64.22	63.08	92.27		
29	134.43	143.33	397.28	109.35	145.87	158.58	114.37	66.52	63.08	67.67		97.14		
30	120.63	152.23	378.33	108.10	148.41	149.68	116.87	66.52	63.08	64.22		100.79		
31		135.70		81.44	147.14		114.37		63.08	67.67		97.14		
Total	5144.82	4522.35	6542.58	6670.24	4118.51	4882.92	3951.12	2182.00	2062.84	2142.36	1952.50	2807.57	46979.81	CMSDAY
Mean	171.49	145.88	218.09	215.17	132.86	162.76	127.46	72.73	66.54	69.11	69.73	90.57	128.71	CMS
Max	228.25	194.56	397.28	411.50	188.14	318.52	312.86	115.62	82.59	81.44	82.59	120.63	411.50	CMS
Min	115.62	113.11	152.23	81.44	92.27	72.26	60.78	54.19	56.38	53.09	56.38	53.09	53.09	CMS
Runoff	444.51	390.73	565.28	576.31	355.84	421.88	341.38	188.52	178.23	185.10	168.70	242.57	4059.06	MCM
Momentary Peak	471.88 CMS. at 51.77 m. (MSL.) at 15.00 Hours , on Jul 3, 2021													
Runoff Yield	7.06	Liters/Second/Square KM.			Momentary Peak Yield			25.88	Liters/Second/Square KM.					

WATER YEAR : 2021**NAN RIVER BASIN****Huai Nam Khlung at Ban Huai Tha Nua , Phitsanulok (N.62)**

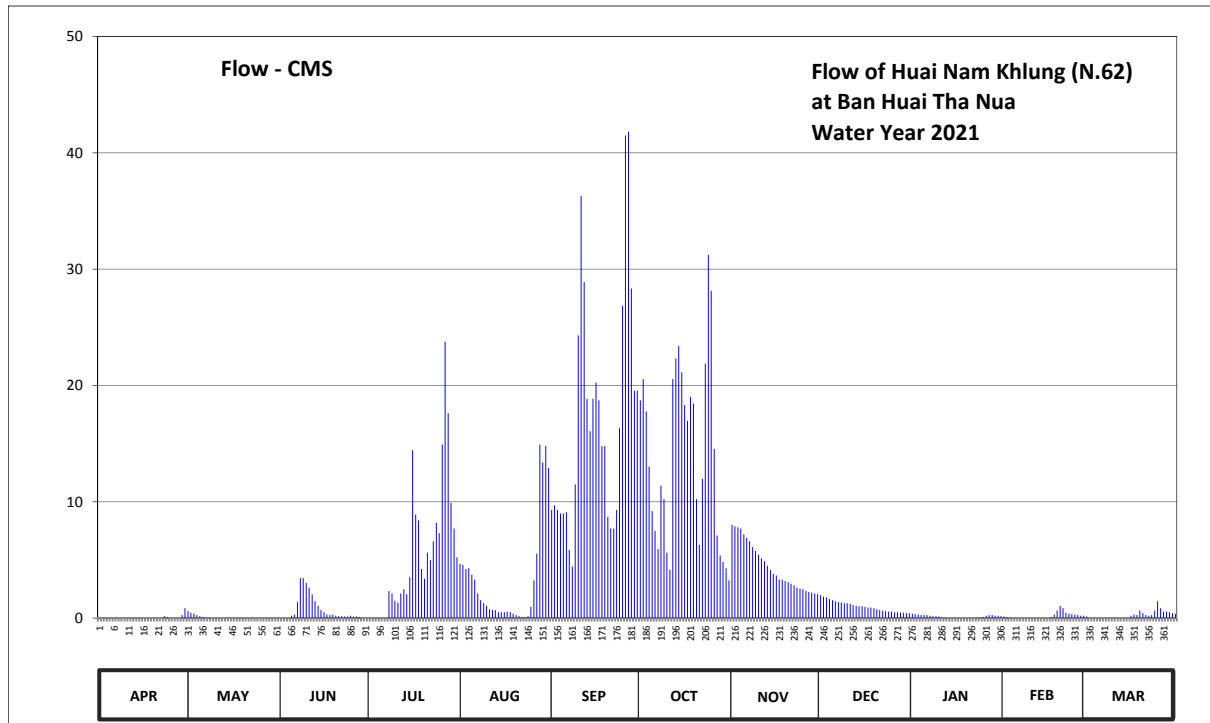
Lat 17 - 14 - 44 N Long 100 - 32 - 07 E

Location : on left bank at Ban Huai Tha Nua.

	Ban	Huai Tha Nua	Amphoe	Chat Trakan	Changwat	Phitsanulok
Drainage 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	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 15 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	191.02	191.49	191.30	191.34	192.12	192.62	193.40	192.49	191.74	191.44	191.38	191.38	
2	191.02	191.46	191.30	191.35	192.11	192.66	193.53	192.48	191.72	191.43	191.37	191.35	
3	191.02	191.44	191.31	191.31	192.06	192.62	193.33	192.47	191.71	191.42	191.36	191.32	
4	191.04	191.41	191.31	191.30	192.07	192.59	192.95	192.46	191.69	191.41	191.35	191.31	
5	191.06	191.39	191.40	191.29	191.99	192.59	192.61	192.41	191.67	191.41	191.35	191.30	
6	191.07	191.37	191.42	191.29	191.93	192.60	192.44	192.38	191.65	191.41	191.34	191.29	
7	191.05	191.36	191.64	191.29	191.76	192.27	192.28	192.35	191.64	191.40	191.34	191.29	
8	191.05	191.36	191.95	191.79	191.67	192.09	192.81	192.30	191.63	191.39	191.33	191.28	
9	191.04	191.35	191.95	191.76	191.62	192.82	192.71	192.26	191.62	191.39	191.33	191.27	
10	191.04	191.35	191.89	191.66	191.58	193.77	192.24	192.22	191.62	191.38	191.33	191.27	
11	191.04	191.35	191.83	191.63	191.52	194.37	192.05	192.18	191.61	191.37	191.32	191.27	
12	191.07	191.34	191.75	191.76	191.51	194.02	193.53	192.15	191.59	191.36	191.32	191.27	
13	191.13	191.34	191.65	191.81	191.51	193.41	193.65	192.10	191.58	191.35	191.31	191.28	
14	191.10	191.33	191.58	191.75	191.47	193.20	193.72	192.05	191.57	191.35	191.31	191.29	
15	191.13	191.33	191.51	191.96	191.47	193.41	193.57	192.00	191.57	191.35	191.31	191.31	
16	191.25	191.32	191.47	193.07	191.47	193.51	193.37	191.98	191.56	191.34	191.31	191.40	
17	191.27	191.32	191.42	192.58	191.48	193.40	193.27	191.93	191.55	191.34	191.37	191.42	
18	191.24	191.31	191.41	192.53	191.47	193.10	193.42	191.93	191.55	191.34	191.42	191.41	
19	191.23	191.31	191.42	192.06	191.44	193.10	193.38	191.91	191.54	191.34	191.50	191.50	
20	191.23	191.30	191.40	191.94	191.41	192.56	192.71	191.90	191.52	191.34	191.58	191.45	
21	191.22	191.30	191.39	192.24	191.39	192.46	192.32	191.88	191.51	191.35	191.54	191.41	
22	191.28	191.29	191.39	192.16	191.37	192.46	192.86	191.86	191.50	191.35	191.46	191.40	
23	191.39	191.29	191.38	192.35	191.37	192.62	193.62	191.83	191.49	191.36	191.44	191.41	
24	191.37	191.29	191.38	192.51	191.39	193.22	194.14	191.82	191.48	191.36	191.43	191.50	
25	191.34	191.28	191.40	192.42	191.56	193.91	193.98	191.81	191.48	191.37	191.42	191.65	
26	191.32	191.27	191.38	193.11	191.92	194.56	193.08	191.79	191.47	191.40	191.41	191.54	
27	191.31	191.27	191.38	193.74	192.23	194.57	192.40	191.78	191.47	191.41	191.40	191.48	
28	191.31	191.27	191.37	193.32	193.11	193.99	192.21	191.77	191.46	191.41	191.40	191.48	
29	191.41	191.28	191.36	192.68	192.98	193.46	192.14	191.76	191.46	191.40		191.47	
30	191.54	191.30	191.35	192.46	193.10	193.46	192.07	191.75	191.45	191.40		191.45	
31		191.29		192.19	192.94		191.92		191.45	191.39		191.44	
Mean	191.19	191.33	191.49	192.09	191.84	193.18	192.96	192.07	191.57	191.38	191.38	191.38	
Max	191.54	191.49	191.95	193.74	193.11	194.57	194.14	192.49	191.74	191.44	191.58	191.65	194.57
Min	191.02	191.27	191.30	191.29	191.37	192.09	191.92	191.75	191.45	191.34	191.31	191.27	191.02
Annual Max Momentary Gage Height	194.64	m. (MSL.) ,		at 12.00 Hours , on Sep 27, 2021									
Zero Gage at Bottom Elevation	190.31	m. (MSL.) ,		River Bed		190.62	m. (MSL.)						
Left Bank Elevation		196.89	m. (MSL.) ,										
Right Bank Elevation		196.96	m. (MSL.) ,		Drainage Are	350	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.60	0.00	0.00	4.66	9.30	18.72	8.00	1.98	0.38	0.13	0.13	
2	0.00	0.47	0.00	0.00	4.58	9.70	20.54	7.90	1.84	0.34	0.09	0.00	
3	0.00	0.38	0.00	0.00	4.22	9.30	17.75	7.80	1.77	0.30	0.04	0.00	
4	0.00	0.26	0.00	0.00	4.29	9.00	13.03	7.70	1.65	0.26	0.00	0.00	
5	0.00	0.17	0.21	0.00	3.73	9.00	9.20	7.20	1.54	0.26	0.00	0.00	
6	0.00	0.09	0.30	0.00	3.31	9.10	7.50	6.90	1.44	0.26	0.00	0.00	
7	0.00	0.04	1.38	0.00	2.12	5.86	5.94	6.60	1.38	0.21	0.00	0.00	
8	0.00	0.04	3.45	2.33	1.54	4.43	11.39	6.10	1.33	0.17	0.00	0.00	
9	0.00	0.00	3.45	2.12	1.28	11.50	10.22	5.78	1.28	0.17	0.00	0.00	
10	0.00	0.00	3.03	1.49	1.06	24.30	5.62	5.46	1.28	0.13	0.00	0.00	
11	0.00	0.00	2.61	1.33	0.75	36.28	4.15	5.14	1.22	0.09	0.00	0.00	
12	0.00	0.00	2.05	2.12	0.69	28.90	20.54	4.90	1.12	0.04	0.00	0.00	
13	0.00	0.00	1.44	2.47	0.69	18.86	22.31	4.50	1.06	0.00	0.00	0.00	
14	0.00	0.00	1.06	2.05	0.51	16.06	23.40	4.15	1.01	0.00	0.00	0.00	
15	0.00	0.00	0.69	3.52	0.51	18.86	21.13	3.80	1.01	0.00	0.00	0.00	
16	0.00	0.00	0.51	14.43	0.51	20.25	18.31	3.66	0.96	0.00	0.00	0.21	
17	0.00	0.00	0.30	8.90	0.56	18.72	16.96	3.31	0.91	0.00	0.09	0.30	
18	0.00	0.00	0.26	8.40	0.51	14.78	19.00	3.31	0.91	0.00	0.30	0.26	
19	0.00	0.00	0.30	4.22	0.38	14.78	18.44	3.17	0.85	0.00	0.64	0.64	
20	0.00	0.00	0.21	3.38	0.26	8.70	10.22	3.10	0.75	0.00	1.06	0.43	
21	0.00	0.00	0.17	5.62	0.17	7.70	6.30	2.96	0.69	0.00	0.85	0.26	
22	0.00	0.00	0.17	4.98	0.09	7.70	11.97	2.82	0.64	0.00	0.47	0.21	
23	0.17	0.00	0.13	6.60	0.09	9.30	21.86	2.61	0.60	0.04	0.38	0.26	
24	0.09	0.00	0.13	8.20	0.17	16.32	31.23	2.54	0.56	0.04	0.34	0.64	
25	0.00	0.00	0.21	7.30	0.96	26.83	28.14	2.47	0.56	0.09	0.30	1.44	
26	0.00	0.00	0.13	14.91	3.24	41.48	14.55	2.33	0.51	0.21	0.26	0.85	
27	0.00	0.00	0.13	23.76	5.54	41.81	7.10	2.26	0.51	0.26	0.21	0.56	
28	0.00	0.00	0.09	17.62	14.91	28.33	5.38	2.19	0.47	0.26	0.21	0.56	
29	0.26	0.00	0.04	9.90	13.38	19.55	4.82	2.12	0.47	0.21		0.51	
30	0.85	0.00	0.00	7.70	14.78	19.55	4.29	2.05	0.43	0.21		0.43	
31		0.00		5.22	12.91		3.24		0.43	0.17		0.38	
Total	1.37	2.05	22.45	168.57	102.40	516.25	433.25	132.83	31.16	4.10	5.37	8.07	1427.87 CMSDAY
Mean	0.05	0.07	0.75	5.44	3.30	17.21	13.98	4.43	1.01	0.13	0.19	0.26	3.91 CMS
Max	0.85	0.60	3.45	23.76	14.91	41.81	31.23	8.00	1.98	0.38	1.06	1.44	41.81 CMS
Min	0.00	0.00	0.00	0.00	0.09	4.43	3.24	2.05	0.43	0.00	0.00	0.00	0.00 CMS
Runoff	0.12	0.18	1.94	14.56	8.85	44.60	37.43	11.48	2.69	0.35	0.46	0.70	123.37 MCM
Momentary Peak	44.12	CMS. at 194.64 m. (MSL.) at 12.00 Hours , on Sep 27, 2021											
Runoff Yield	11.18	Liters/Second/Square KM.		Momentary Peak Yield		126.06	Liters/Second/Square KM.						

Gage Height in Meter (MSL.)														Water Year April 1, 2021 to March 31, 2022													
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual													
	1	211.43	211.81	211.63	211.99	213.16	212.55	212.42	212.10	211.76	211.62	211.58	211.53														
	2	211.43	211.76	211.60	211.96	213.59	212.38	212.57	212.31	211.75	211.62	211.58	211.50														
	3	211.39	211.76	211.57	211.90	215.39	212.54	212.49	212.34	211.75	211.62	211.58	211.50														
	4	211.40	211.74	211.55	211.90	214.63	212.71	212.58	212.18	211.75	211.62	211.54	211.50														
	5	211.45	211.69	211.68	211.84	213.92	212.63	212.48	212.10	211.75	211.62	211.53	211.50														
	6	211.65	211.67	211.76	211.88	213.26	212.89	212.36	212.04	211.75	211.61	211.53	211.50														
	7	212.31	211.67	211.63	212.55	212.89	213.02	212.31	211.97	211.73	211.61	211.56	211.52														
	8	212.09	211.60	211.63	212.21	212.68	212.78	212.22	211.98	211.72	211.60	211.57	211.55														
	9	211.90	211.62	211.70	213.26	212.52	212.74	212.16	211.96	211.71	211.60	211.55	211.53														
	10	211.71	211.62	211.86	212.61	212.46	212.80	212.15	211.95	211.71	211.60	211.53	211.52														
	11	211.70	211.61	211.92	212.31	212.39	212.51	212.27	211.94	211.70	211.59	211.52	211.50														
	12	211.64	211.60	211.87	212.11	212.54	212.45	212.47	211.93	211.70	211.59	211.51	211.50														
	13	211.63	211.57	211.84	212.03	212.33	212.41	212.36	211.93	211.68	211.57	211.51	211.50														
	14	211.65	211.56	215.45	211.93	212.35	212.54	212.28	211.94	211.68	211.57	211.51	211.50														
	15	211.61	211.55	217.61	212.01	212.40	212.82	212.19	211.92	211.69	211.56	211.50	211.50														
	16	211.56	211.58	214.17	212.51	213.80	213.23	212.16	211.90	211.70	211.56	211.50	211.54														
	17	211.54	211.58	213.15	212.27	213.13	212.76	212.14	211.88	211.69	211.59	211.49	211.64														
	18	211.56	211.54	212.66	212.14	212.70	212.61	212.12	211.87	211.69	211.61	211.49	211.79														
	19	211.70	211.51	212.39	212.17	212.81	212.49	212.07	211.85	211.69	211.61	211.50	211.85														
	20	211.74	211.53	212.28	212.39	213.14	212.46	212.03	211.84	211.67	211.70	211.78	211.70														
	21	211.67	211.53	212.23	213.24	212.79	212.54	211.95	211.85	211.66	211.72	212.00	211.66														
	22	211.65	211.52	212.15	212.78	212.45	212.51	211.93	211.85	211.65	211.76	211.78	211.62														
	23	211.62	211.50	212.02	212.47	212.31	212.49	212.05	211.84	211.65	211.74	211.73	211.63														
	24	211.62	211.50	212.01	212.46	212.73	212.42	212.19	211.80	211.64	211.68	211.67	211.66														
	25	211.60	211.49	212.01	212.91	213.03	212.35	212.10	211.79	211.64	211.66	211.62	211.62														
	26	211.59	211.58	211.88	213.61	212.67	212.41	212.08	211.79	211.64	211.62	211.60	211.59														
	27	211.55	211.62	211.81	214.59	212.49	212.53	212.02	211.78	211.64	211.60	211.59	211.58														
	28	211.58	211.63	211.90	213.42	212.41	212.77	212.00	211.77	211.64	211.60	211.57	211.56														
	29	211.71	211.89	212.18	213.10	212.29	212.52	211.97	211.77	211.63	211.59		211.87														
	30	211.74	211.96	212.14	213.87	212.22	212.42	211.99	211.77	211.63	211.59		211.73														
	31		211.70		213.48	212.34		212.03		211.63	211.59		211.62														
Mean		211.65	211.63	212.34	212.58	212.90	212.61	212.20	211.93	211.69	211.62	211.59	211.59														
Max		212.31	211.96	217.61	214.59	215.39	213.23	212.58	212.34	211.76	211.76	212.00	211.87	217.61													
Min		211.39	211.49	211.55	211.84	212.22	212.35	211.93	211.77	211.63	211.56	211.49	211.50	211.39													
Annual Max Momentary Gage Height			218.50		m. (MSL.) ,		at 08.00 Hours , on Jun 15, 2021																				
Zero Gage at Bottom Elevation			210.90		m. (MSL.) ,		River Bed	210.78		m. (MSL.)																	
Left Bank Elevation			226.43		m. (MSL.) ,																						
Right Bank Elevation			224.09		m. (MSL.) ,		Drainage Are	3.482	Square Kilometers																		

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.98	24.06	12.94	36.30	131.60	79.75	69.10	44.00	20.84	12.36	10.46	8.61	
2	4.98	20.84	11.20	34.20	170.10	65.90	81.45	60.30	20.20	12.36	10.46	7.50	
3	3.69	20.84	10.09	30.00	362.85	78.90	74.70	62.70	20.20	12.36	10.46	7.50	
4	3.90	19.56	9.35	30.00	276.30	93.35	82.30	50.00	20.20	12.36	8.98	7.50	
5	5.70	16.42	15.84	26.04	203.00	86.55	73.90	44.00	20.20	12.36	8.61	7.50	
6	14.10	15.26	20.84	28.68	140.40	108.65	64.30	39.80	20.20	11.78	8.61	7.50	
7	60.30	15.26	12.94	79.75	108.65	119.70	60.30	34.90	18.92	11.78	9.72	8.24	
8	43.30	11.20	12.94	52.30	90.80	99.30	53.10	35.60	18.28	11.20	10.09	9.35	
9	30.00	12.36	17.00	140.40	77.20	95.90	48.50	34.20	17.64	11.20	9.35	8.61	
10	17.64	12.36	27.36	84.85	72.30	101.00	47.75	33.50	17.64	11.20	8.61	8.24	
11	17.00	11.78	31.40	60.30	66.70	76.35	57.10	32.80	17.00	10.83	8.24	7.50	
12	13.52	11.20	28.02	44.75	78.90	71.50	73.10	32.10	17.00	10.83	7.87	7.50	
13	12.94	10.09	26.04	39.10	61.90	68.30	64.30	32.10	15.84	10.09	7.87	7.50	
14	14.10	9.72	369.75	32.10	63.50	78.90	57.90	32.80	15.84	10.09	7.87	7.50	
15	11.78	9.35	642.35	37.70	67.50	102.70	50.75	31.40	16.42	9.72	7.50	7.50	
16	9.72	10.46	228.00	76.35	191.00	137.70	48.50	30.00	17.00	9.72	7.50	8.98	
17	8.98	10.46	130.75	57.10	129.05	97.60	47.00	28.68	16.42	10.83	7.14	13.52	
18	9.72	8.98	89.10	47.00	92.50	84.85	45.50	28.02	16.42	11.78	7.14	22.76	
19	17.00	7.87	66.70	49.25	101.85	74.70	41.90	26.70	16.42	11.78	7.50	26.70	
20	19.56	8.61	57.90	66.70	129.90	72.30	39.10	26.04	15.26	17.00	22.12	17.00	
21	15.26	8.61	53.90	138.60	100.15	78.90	33.50	26.70	14.68	18.28	37.00	14.68	
22	14.10	8.24	47.75	99.30	71.50	76.35	32.10	26.70	14.10	20.84	22.12	12.36	
23	12.36	7.50	38.40	73.10	60.30	74.70	40.50	26.04	14.10	19.56	18.92	12.94	
24	12.36	7.50	37.70	72.30	95.05	69.10	50.75	23.40	13.52	15.84	15.26	14.68	
25	11.20	7.14	37.70	110.35	120.55	63.50	44.00	22.76	13.52	14.68	12.36	12.36	
26	10.83	10.46	28.68	172.00	89.95	68.30	42.60	22.76	13.52	12.36	11.20	10.83	
27	9.35	12.36	24.06	271.95	74.70	78.05	38.40	22.12	13.52	11.20	10.83	10.46	
28	10.46	12.94	30.00	154.80	68.30	98.45	37.00	21.48	13.52	11.20	10.09	9.72	
29	17.64	29.34	50.00	126.50	58.70	77.20	34.90	21.48	12.94	10.83		28.02	
30	19.56	34.20	47.00	198.00	53.10	69.10	36.30	21.48	12.94	10.83		18.92	

WATER YEAR : 2021**NAN RIVER BASIN****Nam Yao at Ban Pang Sa , Nan (N.65)**

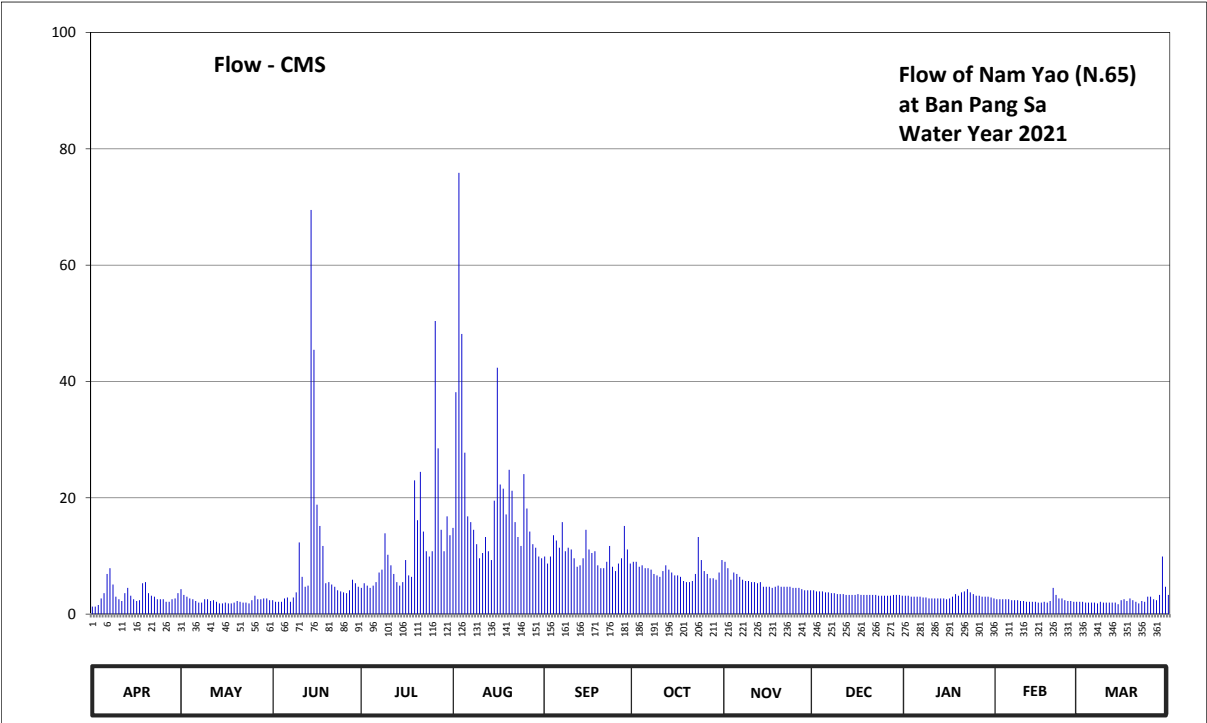
Lat 19 - 13 - 49 N Long 100 - 45 - 15 E

Location : on right bank at the bridge on highway.

	Ban Pang Sa	Amphoe	Tha Wang Pha	Changwat	Nan
Drainage Area	620	sq.km.			
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 32 discharge measurements made in 2021.				

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	249.32	249.52	249.40	249.53	249.91	249.75	249.72	249.72	249.51	249.45	249.41	249.38	
2	249.32	249.46	249.38	249.57	250.54	249.71	249.72	249.68	249.50	249.45	249.41	249.38	
3	249.34	249.44	249.38	249.55	251.35	249.75	249.69	249.60	249.50	249.44	249.41	249.37	
4	249.42	249.42	249.38	249.53	250.77	249.87	249.70	249.65	249.50	249.44	249.41	249.37	
5	249.48	249.41	249.42	249.55	250.28	249.84	249.68	249.64	249.49	249.44	249.41	249.37	
6	249.64	249.39	249.43	249.58	249.97	249.80	249.68	249.62	249.49	249.44	249.40	249.37	
7	249.68	249.37	249.38	249.65	249.94	249.94	249.67	249.60	249.48	249.43	249.40	249.36	
8	249.56	249.37	249.43	249.67	249.90	249.78	249.64	249.59	249.48	249.43	249.40	249.38	
9	249.44	249.41	249.49	249.88	249.82	249.80	249.63	249.59	249.47	249.42	249.39	249.37	
10	249.41	249.41	249.83	249.76	249.74	249.79	249.62	249.58	249.47	249.42	249.39	249.37	
11	249.39	249.39	249.62	249.70	249.77	249.74	249.66	249.58	249.47	249.42	249.38	249.37	
12	249.48	249.40	249.54	249.64	249.86	249.69	249.70	249.57	249.46	249.42	249.38	249.37	
13	249.53	249.38	249.55	249.58	249.78	249.70	249.67	249.58	249.46	249.42	249.38	249.37	
14	249.45	249.36	251.22	249.55	249.73	249.74	249.65	249.54	249.46	249.42	249.38	249.35	
15	249.41	249.36	250.71	249.58	250.05	249.90	249.63	249.54	249.46	249.41	249.37	249.40	
16	249.39	249.37	250.03	249.73	250.64	249.79	249.63	249.54	249.47	249.42	249.37	249.41	
17	249.40	249.36	249.92	249.63	250.13	249.77	249.62	249.53	249.46	249.44	249.38	249.39	
18	249.57	249.36	249.81	249.62	250.11	249.78	249.59	249.54	249.46	249.47	249.37	249.42	
19	249.58	249.37	249.57	250.15	249.98	249.70	249.58	249.55	249.46	249.45	249.39	249.40	
20	249.48	249.39	249.58	249.95	250.20	249.68	249.58	249.54	249.46	249.49	249.53	249.38	
21	249.45	249.38	249.56	250.19	250.10	249.68	249.59	249.54	249.46	249.50	249.46	249.36	
22	249.44	249.37	249.54	249.89	249.94	249.72	249.64	249.54	249.46	249.52	249.42	249.39	
23	249.41	249.37	249.51	249.78	249.86	249.81	249.86	249.54	249.45	249.49	249.42	249.38	
24	249.41	249.36	249.50	249.75	249.81	249.69	249.73	249.53	249.45	249.47	249.40	249.44	
25	249.41	249.40	249.49	249.78	250.18	249.66	249.66	249.53	249.45	249.45	249.39	249.44	
26	249.38	249.45	249.48	250.82	250.01	249.71	249.64	249.53	249.45	249.45	249.39	249.41	
27	249.38	249.41	249.51	250.30	249.89	249.74	249.61	249.52	249.45	249.44	249.38	249.40	
28	249.41	249.41	249.60	249.90	249.82	249.92	249.61	249.51	249.46	249.44	249.38	249.46	
29	249.42	249.42	249.57	249.78	249.80	249.79	249.60	249.51	249.46	249.44		249.75	
30	249.48	249.42	249.54	249.97	249.75	249.71	249.65	249.51	249.46	249.43		249.54	
31		249.40		249.87	249.74		249.73		249.45	249.42		249.46	
Mean	249.45	249.40	249.65	249.79	250.04	249.77	249.66	249.57	249.47	249.44	249.40	249.41	
Max	249.68	249.52	251.22	250.82	251.35	249.94	249.86	249.72	249.51	249.52	249.53	249.75	251.35
Min	249.32	249.36	249.38	249.53	249.73	249.66	249.58	249.51	249.45	249.41	249.37	249.35	249.32
Annual Max Momentary Gage Height	252.31		m. (MSL.) ,			at 21.00 Hours ,	on Jun 14, 2021						
Zero Gage at Bottom Elevation	248.89		m. (MSL.) ,			River Bed	248.98	m. (MSL.)					
Left Bank Elevation		256.71		m. (MSL.) ,									
Right Bank Elevation		256.75		m. (MSL.) ,		Drainage Are	620	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.28	4.30	2.40	4.50	14.83	9.90	9.00	9.00	4.10	3.15	2.55	2.12	
2	1.28	3.30	2.12	5.30	38.14	8.70	9.00	7.90	3.90	3.15	2.55	2.12	
3	1.56	3.00	2.12	4.90	75.85	9.90	8.15	5.90	3.90	3.00	2.55	1.98	
4	2.70	2.70	2.12	4.50	48.15	13.57	8.40	7.15	3.90	3.00	2.55	1.98	
5	3.60	2.55	2.70	4.90	27.76	12.64	7.90	6.90	3.75	3.00	2.55	1.98	
6	6.90	2.26	2.85	5.50	16.81	11.40	7.90	6.40	3.75	3.00	2.40	1.98	
7	7.90	1.98	2.12	7.15	15.82	15.82	7.65	5.90	3.60	2.85	2.40	1.84	
8	5.10	1.98	2.85	7.65	14.50	10.80	6.90	5.70	3.60	2.85	2.40	2.12	
9	3.00	2.55	3.75	13.88	12.02	11.40	6.65	5.70	3.45	2.70	2.26	1.98	
10	2.55	2.55	12.33	10.20	9.60	11.10	6.40	5.50	3.45	2.70	2.26	1.98	
11	2.26	2.26	6.40	8.40	10.50	9.60	7.40	5.50	3.45	2.70	2.12	1.98	
12	3.60	2.40	4.70	6.90	13.26	8.15	8.40	5.30	3.30	2.70	2.12	1.98	
13	4.50	2.12	4.90	5.50	10.80	8.40	7.65	5.50	3.30	2.70	2.12	1.98	
14	3.15	1.84	69.48	4.90	9.30	9.60	7.15	4.70	3.30	2.70	2.12	1.70	
15	2.55	1.84	45.45	5.50	19.50	14.50	6.65	4.70	3.30	2.55	1.98	2.40	
16	2.26	1.98	18.82	9.30	42.36	11.10	6.65	4.70	3.45	2.70	1.98	2.55	
17	2.40	1.84	15.16	6.65	22.28	10.50	6.40	4.50	3.30	3.00	2.12	2.26	
18	5.30	1.84	11.71	6.40	21.56	10.80	5.70	4.70	3.30	3.45	1.98	2.70	
19	5.50	1.98	5.30	23.00	17.14	8.40	5.50	4.90	3.30	3.15	2.26	2.40	
20	3.60	2.26	5.50	16.15	24.80	7.90	5.50	4.70	3.30	3.75	4.50	2.12	
21	3.15	2.12	5.10	24.44	21.20	7.90	5.70	4.70	3.30	3.90	3.30	1.84	
22	3.00	1.98	4.70	14.19	15.82	9.00	6.90	4.70	3.30	4.30	2.70	2.26	
23	2.55	1.98	4.10	10.80	13.26	11.71	13.26	4.70	3.15	3.75	2.70	2.12	
24	2.55	1.84	3.90	9.90	11.71	8.15	9.30	4.50	3.15	3.45	2.40	3.00	
25	2.55	2.40	3.75	10.80	24.08	7.40	7.40	4.50	3.15	3.15	2.26	3.00	
26	2.12	3.15	3.60	50.40	18.14	8.70	6.90	4.50	3.15	3.15	2.26	2.55	
27	2.12	2.55	4.10	28.50	14.19	9.60	6.15	4.30	3.15	3.00	2.12	2.40	
28	2.55	2.55	5.90	14.50	12.02	15.16	6.15	4.10	3.30	3.00	2.12	3.30	
29	2.70	2.70	5.30	10.80	11.40	11.10	5.90	4.10	3.30	3.00		9.90	
30	3.60	2.70	4.70	16.81	9.90	8.70	7.15	4.10	3.30	2.85		4.70	
31		2.40		13.57	9.60		9.30		3.15	2.70		3.30	
Total	97.88	73.90	267.93	365.89	626.30	311.60	229.06	159.45	106.10	95.05	67.63	80.52	2481.31 CMSDAY
Mean	3.26	2.38	8.93	11.80	20.20	10.39	7.39	5.32	3.42	3.07	2.42	2.60	6.80 CMS
Max	7.90	4.30	69.48	50.40	75.85	15.82	13.26	9.00	4.10	4.30	4.50	9.90	75.85 CMS
Min	1.28	1.84	2.12	4.50	9.30	7.40	5.50	4.10	3.15	2.55	1.98	1.70	1.28 CMS
Runoff	8.46	6.38	23.15	31.61	54.11	26.92	19.79	13.78	9.17	8.21	5.84	6.96	214.39 MCM
Momentary Peak	126.66 CMS. at 252.31 m. (MSL.) at 21.00 Hours , on Jun 14, 2021												
Runoff Yield	10.96	Liters/Second/Square KM.			Momentary Peak Yield			204.29 Liters/Second/Square KM.					

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	202.70	203.92	203.07	202.96	203.58	205.05	204.47	204.38	203.12	202.75	202.72	202.82	
	2	202.71	203.46	203.03	202.95	203.51	204.47	204.89	203.76	203.10	202.75	202.72	202.82	
	3	202.71	203.53	202.95	202.93	203.62	205.43	204.43	203.62	203.07	202.74	202.72	202.82	
	4	202.71	203.20	202.86	202.92	205.25	206.31	204.30	203.58	203.05	202.74	202.72	202.82	
	5	202.71	203.14	202.75	202.81	204.00	206.14	204.07	203.55	203.04	202.74	202.72	202.81	
	6	202.71	203.07	202.71	202.86	203.76	205.08	203.94	203.52	203.04	202.73	202.72	202.81	
	7	203.73	203.02	202.71	202.79	203.65	204.55	204.09	203.50	203.01	202.73	202.72	202.81	
	8	203.51	203.00	202.88	203.96	204.24	204.76	203.84	203.48	203.01	202.73	202.72	202.81	
	9	203.04	202.98	203.41	203.70	203.58	206.43	203.75	203.45	203.01	202.73	202.72	202.81	
	10	202.92	202.92	203.12	203.24	203.45	205.98	203.71	203.42	202.97	202.72	202.72	202.81	
	11	202.87	202.89	203.14	203.14	203.39	205.68	203.86	203.40	202.97	202.72	202.72	202.81	
	12	202.84	203.06	203.16	203.21	203.34	205.15	204.17	203.38	202.98	202.72	202.72	202.81	
	13	202.82	202.98	203.12	203.55	203.44	204.73	204.11	203.36	202.99	202.72	202.72	202.81	
	14	202.81	202.85	203.57	203.25	203.33	205.52	203.86	203.34	202.99	202.72	202.91	203.07	
	15	202.80	202.79	203.69	204.14	203.47	204.60	203.70	203.33	202.99	202.71	202.91	203.02	
	16	202.79	202.78	203.44	204.17	203.37	204.56	203.90	203.32	202.94	202.71	202.95	202.95	
	17	202.78	203.03	204.53	203.57	203.31	204.63	204.79	203.30	202.92	202.71	202.93	202.96	
	18	204.12	202.97	203.37	204.00	203.27	204.29	204.30	203.29	202.92	202.71	202.95	202.81	
	19	203.12	202.92	203.15	203.42	203.21	204.35	204.10	203.28	202.92	202.71	202.90	202.81	
	20	202.95	202.90	203.10	203.43	203.20	204.24	203.96	203.27	203.00	202.71	202.96	202.81	
	21	202.90	202.82	203.04	203.38	203.18	204.87	203.88	203.22	202.98	202.71	202.99	202.81	
	22	202.85	202.84	202.96	203.51	203.17	204.36	203.81	203.20	202.97	202.71	202.97	203.14	
	23	202.82	203.14	202.80	205.54	203.15	204.42	203.75	203.20	202.95	202.71	202.99	203.10	
	24	202.78	202.99	202.73	205.48	203.07	204.50	203.72	203.19	202.92	202.75	202.93	203.10	
	25	202.78	203.00	202.72	205.40	203.08	205.67	203.68	203.19	202.87	202.79	202.87	203.09	
	26	202.78	203.04	202.70	206.61	203.26	205.61	203.66	203.18	202.85	202.92	202.85	203.06	
	27	202.78	202.91	202.71	205.42	203.32	205.45	203.59	203.16	202.83	202.80	202.83	203.01	
	28	202.85	203.01	203.39	204.82	203.23	205.11	203.51	203.14	202.79	202.76	202.82	202.96	
	29	203.01	202.98	203.12	204.06	203.19	204.95	203.57	203.12	202.76	202.72		202.91	
	30	203.06	203.08	203.09	203.77	204.35	204.59	203.68	203.10	202.76	202.72		202.87	
	31		203.07		204.82	204.83		203.55		202.76	202.72		202.85	
Mean		202.93	203.04	203.10	203.86	203.54	205.05	203.96	203.37	202.95	202.74	202.83	202.90	
Max		204.12	203.92	204.53	206.61	205.25	206.43	204.89	204.38	203.12	202.92	202.99	203.14	206.61
Min		202.70	202.78	202.70	202.79	203.07	204.24	203.51	203.10	202.76	202.71	202.72	202.81	202.70
Annual Max Momentary Gage Height			206.67	m. (MSL.) ,			at 12.00 Hours , on Jul 26, 2021							
Zero Gage at Bottom Elevation			201.22	m. (MSL.) ,			River Bed	202.27	m. (MSL.)					
Left Bank Elevation			208.50	m. (MSL.) ,										
Right Bank Elevation			208.45	m. (MSL.) ,			Drainage Are	152	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	1.53	0.12	0.06	0.76	9.09	3.76	3.21	0.15	0.00	0.00	0.01		
2	0.00	0.52	0.09	0.05	0.62	3.76	7.30	1.12	0.14	0.00	0.00	0.01		
3	0.00	0.66	0.05	0.05	0.84	14.94	3.50	0.84	0.12	0.00	0.00	0.01		
4	0.00	0.20	0.02	0.04	11.85	35.97	2.83	0.76	0.10	0.00	0.00	0.01		
5	0.00	0.16	0.00	0.00	1.75	30.94	1.96	0.70	0.10	0.00	0.00	0.00		
6	0.00	0.12	0.00	0.02	1.12	9.47	1.59	0.64	0.10	0.00	0.00	0.00		
7	1.06	0.08	0.00	0.00	0.90	4.28	2.02	0.60	0.08	0.00	0.00	0.00		
8	0.62	0.07	0.03	1.64	2.54	6.00	1.31	0.56	0.08	0.00	0.00	0.00		
9	0.10	0.06	0.42	1.00	0.76	39.75	1.10	0.50	0.08	0.00	0.00	0.00		
10	0.04	0.04	0.15	0.24	0.50	26.81	1.02	0.44	0.06	0.00	0.00	0.00		
11	0.03	0.03	0.16	0.16	0.39	19.76	1.37	0.40	0.06	0.00	0.00	0.00		
12	0.01	0.11	0.17	0.21	0.34	10.36	2.26	0.38	0.06	0.00	0.00	0.00		
13	0.01	0.06	0.15	0.70	0.48	5.74	2.08	0.36	0.07	0.00	0.00	0.00		
14	0.00	0.02	0.74	0.25	0.33	16.56	1.37	0.34	0.07	0.00	0.04	0.12		
15	0.00	0.00	0.98	2.17	0.54	4.60	1.00	0.33	0.07	0.00	0.04	0.08		
16	0.00	0.00	0.48	2.26	0.37	4.34	1.48	0.32	0.05	0.00	0.05	0.05		
17	0.00	0.09	4.15	0.74	0.31	4.86	6.26	0.30	0.04	0.00	0.05	0.06		
18	2.11	0.06	0.37	1.75	0.27	2.78	2.83	0.29	0.04	0.00	0.05	0.00		
19	0.15	0.04	0.17	0.44	0.21	3.06	2.05	0.28	0.04	0.00	0.04	0.00		
20	0.05	0.04	0.14	0.46	0.20	2.54	1.64	0.27	0.07	0.00	0.06	0.00		
21	0.04	0.01	0.10	0.38	0.19	7.09	1.42	0.22	0.06	0.00	0.07	0.00		
22	0.02	0.01	0.06	0.62	0.18	3.11	1.23	0.20	0.06	0.00	0.06	0.16		
23	0.01	0.16	0.00	16.92	0.17	3.43	1.10	0.20	0.05	0.00	0.07	0.14		
24	0.00	0.07	0.00	15.84	0.12	3.95	1.04	0.19	0.04	0.00	0.05	0.14		
25	0.00	0.07	0.00	14.40	0.12	19.54	0.96	0.19	0.03	0.00	0.03	0.13		
26	0.00	0.10	0.00	45.51	0.26	18.22	0.92	0.19	0.02	0.04	0.02	0.11		
27	0.00	0.04	0.00	14.76	0.32	15.30	0.78	0.17	0.01	0.00	0.01	0.08		
28	0.02	0.08	0.39	6.56	0.23	9.85	0.62	0.16	0.00	0.00	0.01	0.06		
29	0.08	0.06	0.15	1.93	0.19	7.93	0.74	0.15	0.00	0.00		0.04		
30	0.11	0.12	0.13	1.14	3.06	4.54	0.96	0.14	0.00	0.00		0.03		
31		0.12		6.56	6.67		0.70		0.00	0.00		0.02		
Total	4.46	4.73	9.22	136.86	36.59	348.57	59.20	14.45	1.85</					

WATER YEAR : 2021**NAN RIVER BASIN****Nan River at Ban Koei Chai, Nakhon Sawan (N.67)**

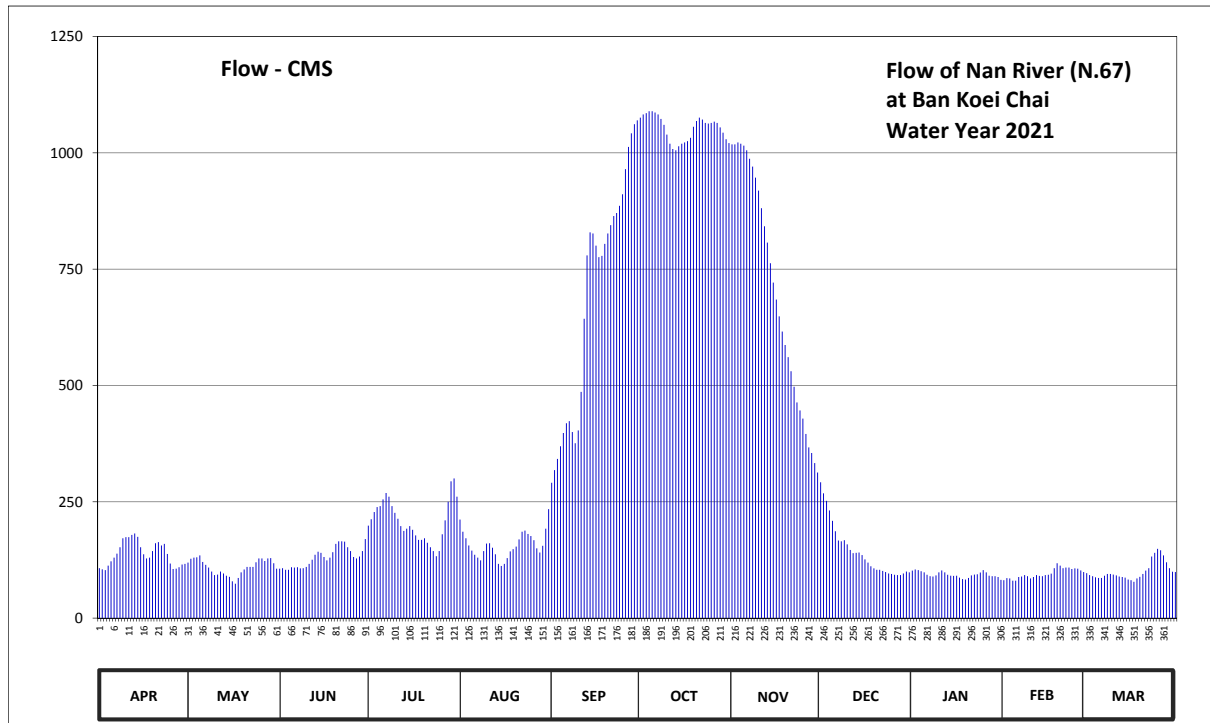
Lat 15 - 52 - 08 N Long 100 - 15 - 52 E

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.				
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 53 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	18.59	18.76	18.57	19.77	19.93	20.76	27.11	26.70	20.77	18.50	18.16	18.41	
2	18.55	18.88	18.59	19.94	19.61	21.03	27.16	26.70	20.53	18.54	18.23	18.34	
3	18.52	18.91	18.53	20.11	19.43	21.27	27.18	26.73	20.37	18.52	18.22	18.30	
4	18.67	18.92	18.53	20.23	19.24	21.52	27.21	26.71	20.15	18.48	18.14	18.26	
5	18.80	18.97	18.62	20.25	19.10	21.78	27.21	26.68	19.90	18.44	18.14	18.24	
6	18.91	18.78	18.61	20.40	18.99	21.97	27.19	26.61	19.62	18.35	18.27	18.24	
7	19.02	18.69	18.62	20.54	18.91	22.01	27.16	26.48	19.37	18.30	18.29	18.32	
8	19.19	18.61	18.58	20.46	18.83	21.80	27.09	26.36	19.35	18.29	18.34	18.38	
9	19.43	18.47	18.59	20.25	19.09	21.58	27.00	26.19	19.38	18.33	18.30	18.38	
10	19.46	18.34	18.63	20.09	19.29	21.83	26.85	25.99	19.27	18.44	18.22	18.36	
11	19.46	18.36	18.72	19.95	19.30	22.56	26.71	25.70	19.12	18.51	18.27	18.33	
12	19.52	18.47	18.85	19.76	19.18	23.87	26.63	25.40	19.03	18.44	18.34	18.29	
13	19.56	18.40	18.99	19.63	19.00	24.92	26.61	25.13	19.04	18.35	18.31	18.27	
14	19.47	18.32	19.07	19.69	18.72	25.30	26.67	24.79	19.05	18.32	18.30	18.25	
15	19.19	18.28	19.04	19.76	18.66	25.28	26.71	24.47	18.98	18.31	18.34	18.18	
16	19.00	18.12	18.93	19.66	18.72	25.08	26.73	24.19	18.86	18.32	18.35	18.16	
17	18.89	18.03	18.83	19.51	18.90	24.89	26.75	23.91	18.76	18.25	18.39	18.10	
18	18.91	18.24	18.91	19.39	19.08	24.91	26.80	23.64	18.65	18.20	18.59	18.22	
19	19.09	18.44	19.06	19.39	19.14	25.11	26.97	23.40	18.58	18.18	18.74	18.28	
20	19.30	18.54	19.28	19.43	19.21	25.28	27.06	23.18	18.53	18.24	18.67	18.38	
21	19.33	18.63	19.35	19.31	19.40	25.42	27.11	22.93	18.53	18.33	18.59	18.50	
22	19.24	18.63	19.35	19.19	19.61	25.57	27.08	22.65	18.49	18.36	18.61	18.59	
23	19.28	18.63	19.34	19.09	19.64	25.62	27.03	22.37	18.45	18.37	18.61	18.94	
24	19.01	18.77	19.19	18.95	19.55	25.74	27.02	22.22	18.40	18.43	18.56	19.04	
25	18.73	18.89	19.09	19.09	19.49	25.93	27.03	22.06	18.38	18.52	18.58	19.15	
26	18.56	18.89	18.93	19.54	19.38	26.32	27.05	21.76	18.35	18.44	18.57	19.11	
27	18.57	18.81	18.89	19.91	19.16	26.66	27.03	21.50	18.34	18.32	18.51	18.97	
28	18.62	18.89	18.94	20.35	19.05	26.87	26.96	21.39	18.34	18.30	18.45	18.77	
29	18.70	18.90	19.09	20.79	19.23	27.01	26.88	21.18	18.40	18.30		18.59	
30	18.72	18.74	19.41	20.85	19.69	27.07	26.78	20.98	18.47	18.27		18.46	
31		18.57		20.46	20.18		26.72		18.44	18.17		18.45	
Mean	19.01	18.61	18.90	19.86	19.25	24.17	26.95	24.27	19.03	18.36	18.40	18.46	
Max	19.56	18.97	19.41	20.85	20.18	27.07	27.21	26.73	20.77	18.54	18.74	19.15	27.21
Min	18.52	18.03	18.53	18.95	18.66	20.76	26.61	20.98	18.34	18.17	18.14	18.10	18.03
Annual Max Momentary Gage Height	27.22		m. (MSL.) ,			at 15.00 Hours ,	on Oct 4, 2021						
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, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	107.40	119.20	106.20	198.60	211.70	291.00	1075.40	1018.00	292.00	102.00	81.60	96.60		
	2	105.00	127.60	107.40	212.60	185.80	318.00	1082.40	1018.00	268.00	104.40	85.80	92.40		
	3	103.20	129.80	103.80	227.90	171.40	342.00	1085.20	1022.20	252.00	103.20	85.20	90.00		
	4	112.90	130.60	103.80	238.70	156.20	369.20	1089.40	1019.40	231.50	100.80	80.40	87.60		
	5	122.00	134.60	109.40	240.50	145.00	397.80	1089.40	1015.20	209.00	98.40	80.40	86.40		
	6	129.80	120.60	108.70	255.00	136.20	418.70	1086.60	1005.40	186.60	93.00	88.20	86.40		
	7	138.60	114.30	109.40	269.00	129.80	423.10	1082.40	987.20	166.60	90.00	89.40	91.20		
	8	152.20	108.70	106.80	261.00	124.10	400.00	1072.60	970.40	165.00	89.40	92.40	94.80		
	9	171.40	100.20	107.40	240.50	144.20	375.80	1060.00	946.60	167.40	91.80	90.00	94.80		
	10	173.80	92.40	110.10	226.10	160.20	403.30	1039.00	918.70	158.60	98.40	85.20	93.60		
	11	173.80	93.60	116.40	213.50	161.00	486.20	1019.40	881.00	146.60	102.60	88.20	91.80		
	12	178.60	100.20	125.50	197.80	151.40	643.40	1008.20	842.00	139.40	98.40	92.40	89.40		
	13	181.80	96.00	136.20	187.40	137.00	779.60	1005.40	806.90	140.20	93.00	90.60	88.20		
	14	174.60	91.20	142.60	192.20	116.40	829.00	1013.80	762.70	141.00	91.20	90.00	87.00		
	15	152.20	88.80	140.20	197.80	112.20	826.40	1019.40	721.10	135.40	90.60	92.40	82.80		
	16	137.00	79.20	131.40	189.80	116.40	800.40	1022.20	684.70	126.20	91.20	93.00	81.60		
	17	128.30	73.80	124.10	177.80	129.00	775.70	1025.00	648.30	119.20	87.00	95.40	78.00		
	18	129.80	86.40	129.80	168.20	143.40	778.30	1032.00	615.80	111.50	84.00	107.40	85.20		
	19	144.20	98.40	141.80	168.20	148.20	804.30	1055.80	587.00	106.80	82.80	117.80	88.80		
	20	161.00	104.40	159.40	171.40	153.80	826.40	1068.40	560.60	103.80	86.40	112.90	94.80		
	21	163.40	110.10	165.00	161.80	169.00	844.60	1075.40	530.60	103.80	91.80	107.40	102.00		
	22	156.20	110.10	165.00	152.20	185.80	864.10	1071.20	497.00	101.40	93.60	108.70	107.40		
	23	159.40	110.10	164.20	144.20	188.20	870.60	1064.20	463.40	99.00	94.20	108.70	132.20		
	24	137.80	119.90	152.20	133.00	181.00	886.20	1062.80	446.20	96.00	97.80	105.60	140.20		
	25	117.10	128.30	144.20	144.20	176.20	910.90	1064.20	428.60	94.80	103.20	106.80	149.00		
	26	105.60	128.30	131.40	180.20	167.40	964.80	1067.00	395.60	93.00	98.40	106.20	145.80		
	27	106.20	122.70	128.30	209.90	149.80	1012.40	1064.20	367.00	92.40	91.20	102.60	134.60		
	28	109.40	128.30	132.20	250.00	141.00	1041.80	1054.40	354.90	92.40	90.00	99.00	119.90		
	29	115.00	129.00	144.20	294.00	155.40	1061.40	1043.20	333.00	96.00	90.00		107.40		
	30	116.40	117.80	169.80	300.00	192.20	1069.80	1029.20	313.00	100.20	88.20		99.60		
	31		106.20		261.00	234.20		1020.80		98.40	82.20		99.00		
Total		4164.10	3400.80	3916.90	6464.50	4873.60	20815.20	32648.60	21160.50	4434.20	2899.20	2683.70	3118.50	110579.80	CMSDAY
Mean		138.80	109.70	130.56	208.53	157.21	693.84	1053.18	705.35	143.04	93.52	95.85	100.60	302.96	CMS
Max		181.80	134.60	169.80	300.00	234.20	1069.80	1089.40	1022.20	292.00	104.40	117.80	149.00	1089.40	CMS
Min		103.20	73.80	103.80	133.00	112.20	291.00	1005.40	313.00	92.40	82.20	80.40	78.00	73.80	CMS
Runoff		359.78	293.83	338.42	558.53	421.08	1798.43	2820.84	1828.27	383.11	250.49	231.87	269.44	9554.09	MCM
Momentary Peak		1090.80 CMS. at 27.22 m. (MSL.) at 15.00 Hours , on Oct 4, 2021													
Runoff Yield		5.31	Liters/Second/Square KM.			Momentary Peak Yield			19.13	Liters/Second/Square KM.					

WATER YEAR : 2021**NAN RIVER BASIN****Khlong Tron at Ban Wang Pla Kod , Uttaradit (N.72)**

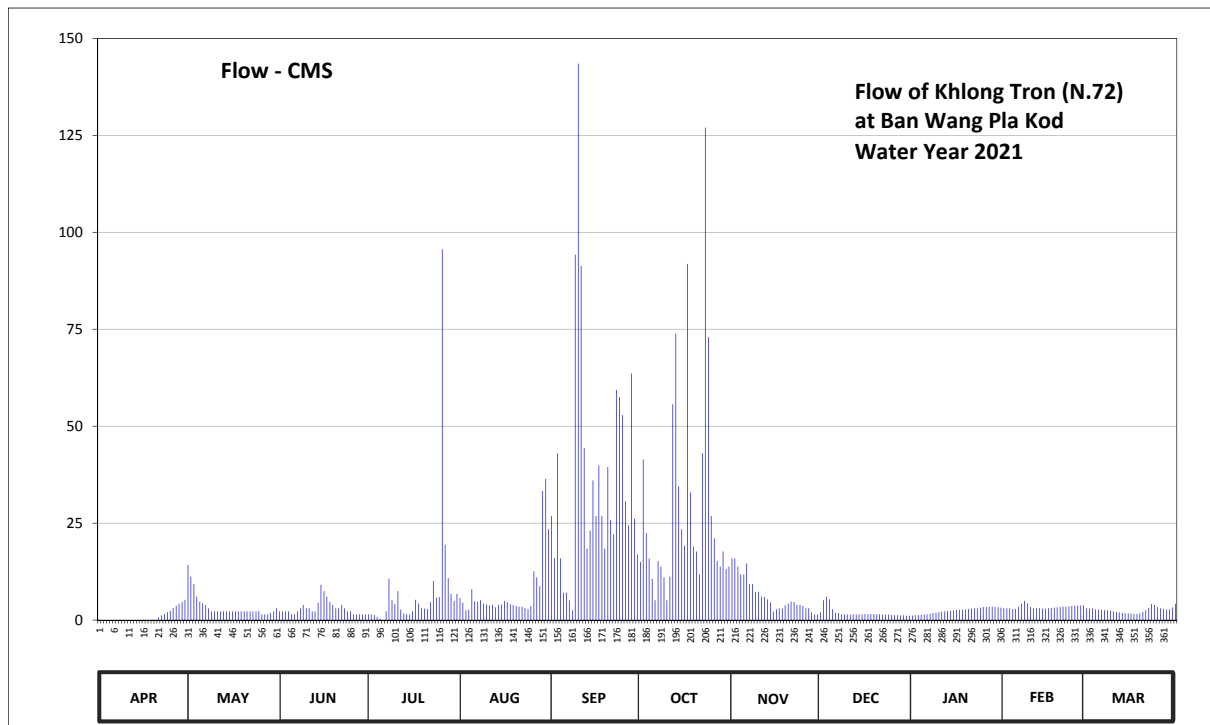
Lat 17 - 27 - 32 N Long 100 - 16 - 25 E

Location : on right bank at Ban Wang Pla Kod.

	Ban	Wang Pla Kod	Amphoe	Thong Saen Khan	Changwat	Uttaradit
Drainage 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.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 8 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	60.99	63.14	62.29	62.19	62.66	63.59	63.18	63.22	62.26	62.13	62.39	62.39	
2	61.04	62.99	62.29	62.19	62.56	63.22	63.97	63.22	62.62	62.14	62.39	62.39	
3	61.04	62.89	62.29	62.16	62.32	64.01	63.46	63.12	62.69	62.16	62.39	62.39	
4	61.10	62.69	62.29	62.06	62.35	63.22	63.22	63.02	62.64	62.16	62.37	62.36	
5	61.12	62.59	62.19	61.98	62.82	62.76	62.96	63.02	62.36	62.18	62.37	62.35	
6	61.19	62.54	62.19	61.89	62.60	62.76	62.62	63.16	62.24	62.19	62.44	62.34	
7	61.24	62.49	62.29	62.29	62.59	62.62	63.19	62.89	62.24	62.21	62.53	62.33	
8	61.28	62.39	62.39	62.96	62.62	62.32	63.12	62.89	62.19	62.24	62.61	62.32	
9	61.34	62.29	62.49	62.62	62.53	65.11	62.98	62.78	62.19	62.25	62.54	62.31	
10	61.39	62.29	62.39	62.52	62.50	66.12	62.62	62.78	62.19	62.26	62.43	62.29	
11	61.45	62.29	62.39	62.79	62.48	65.05	62.99	62.69	62.17	62.28	62.39	62.27	
12	61.50	62.29	62.29	62.35	62.49	64.04	64.29	62.68	62.19	62.29	62.39	62.26	
13	61.54	62.29	62.29	62.22	62.42	63.32	64.68	62.64	62.19	62.30	62.39	62.24	
14	61.59	62.29	62.56	62.19	62.49	63.48	63.79	62.56	62.19	62.31	62.38	62.23	
15	61.65	62.29	62.88	62.19	62.51	63.83	63.49	62.28	62.19	62.32	62.38	62.22	
16	61.70	62.29	62.79	62.29	62.61	63.59	63.35	62.36	62.20	62.33	62.39	62.21	
17	61.74	62.29	62.69	62.63	62.58	63.93	65.06	62.39	62.20	62.34	62.40	62.20	
18	61.80	62.29	62.59	62.53	62.51	63.59	63.75	62.39	62.20	62.35	62.41	62.20	
19	61.84	62.29	62.49	62.39	62.49	63.32	63.34	62.48	62.20	62.36	62.42	62.22	
20	61.90	62.29	62.39	62.38	62.46	63.92	63.29	62.53	62.19	62.37	62.43	62.27	
21	62.05	62.29	62.39	62.37	62.44	63.56	63.02	62.59	62.19	62.38	62.44	62.32	
22	62.14	62.29	62.49	62.58	62.44	63.45	64.01	62.58	62.19	62.39	62.44	62.40	
23	62.20	62.29	62.39	62.93	62.39	64.37	65.79	62.49	62.18	62.39	62.45	62.52	
24	62.26	62.29	62.29	62.67	62.36	64.33	64.66	62.49	62.17	62.41	62.46	62.49	
25	62.30	62.29	62.29	62.68	62.46	64.23	63.59	62.46	62.16	62.43	62.47	62.43	
26	62.40	62.19	62.19	65.14	63.06	63.69	63.42	62.39	62.15	62.43	62.47	62.39	
27	62.47	62.19	62.19	63.36	62.98	63.52	63.19	62.39	62.15	62.44	62.48	62.37	
28	62.53	62.19	62.19	62.97	62.86	64.46	63.12	62.26	62.14	62.44	62.48	62.34	
29	62.58	62.24	62.19	62.74	63.76	63.57	63.29	62.19	62.14	62.43		62.36	
30	62.63	62.29	62.19	62.61	63.84	63.26	63.09	62.19	62.13	62.42		62.42	
31		62.39		62.74	63.49		63.12		62.13	62.41		62.52	
Mean	61.73	62.39	62.38	62.57	62.67	63.74	63.54	62.64	62.23	62.31	62.43	62.33	
Max	62.63	63.14	62.88	65.14	63.84	66.12	65.79	63.22	62.69	62.44	62.61	62.52	66.12
Min	60.99	62.19	62.19	61.89	62.32	62.32	62.62	62.19	62.13	62.13	62.37	62.20	60.99
Annual Max Momentary Gage Height	66.39	m. (MSL.) ,		at 06.00 Hours , on Sep 10, 2021									
Zero Gage at Bottom Elevation	60.89	m. (MSL.) ,		River Bed		61.10	m. (MSL.)						
Left Bank Elevation	69.75	m. (MSL.) ,											
Right Bank Elevation	69.26	m. (MSL.) ,		Drainage Are		980	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	14.22	2.27	1.50	5.65	26.81	15.03	15.93	2.03	1.17	3.06	3.06		
2	0.00	11.20	2.27	1.50	4.48	15.93	41.44	15.93	5.10	1.23	3.06	3.06		
3	0.00	9.30	2.27	1.33	2.50	43.05	22.45	13.81	6.07	1.33	3.06	3.06		
4	0.00	6.07	2.27	0.79	2.74	15.93	15.93	11.79	5.37	1.33	2.90	2.82		
5	0.00	4.74	1.50	0.38	7.97	7.04	10.63	11.79	2.82	1.44	2.90	2.74		
6	0.00	4.32	1.50	0.00	4.82	7.04	5.10	14.62	1.87	1.50	3.48	2.66		
7	0.00	3.90	2.27	2.27	4.74	5.10	15.23	9.30	1.87	1.63	4.23	2.58		
8	0.00	3.06	3.06	10.63	5.10	2.50	13.81	9.30	1.50	1.87	4.96	2.50		
9	0.00	2.27	3.90	5.10	4.23	94.22	11.01	7.31	1.50	1.95	4.32	2.43		
10	0.00	2.27	3.06	4.15	3.98	143.50	5.10	7.31	1.50	2.03	3.39	2.27		
11	0.00	2.27	3.06	7.45	3.81	91.36	11.20	6.07	1.39	2.19	3.06	2.11		
12	0.00	2.27	2.27	2.74	3.90	44.38	55.66	5.93	1.50	2.27	3.06	2.03		
13	0.00	2.27	2.27	1.71	3.31	18.43	73.90	5.37	1.50	2.35	3.06	1.87		
14	0.00	2.27	4.48	1.50	3.90	23.12	34.45	4.48	1.50	2.43	2.98	1.79		
15	0.00	2.27	9.11	1.50	4.06	36.00	23.45	2.19	1.50	2.50	2.98	1.71		
16	0.00	2.27	7.45	2.27	4.96	26.81	19.18	2.82	1.55	2.58	3.06	1.63		
17	0.00	2.27	6.07	5.24	4.65	39.89	91.83	3.06	1.55	2.66	3.14	1.55		
18	0.00	2.27	4.74	4.23	4.06	26.81	32.91	3.06	1.55	2.74	3.22	1.55		
19	0.00	2.27	3.90	3.06	3.90	18.43	18.93	3.81	1.55	2.82	3.31	1.71		
20	0.00	2.27	3.06	2.98	3.64	39.50	17.68	4.23	1.50	2.90	3.39	2.11		
21	0.74	2.27	3.06	2.90	3.48	25.81	11.79	4.74	1.50	2.98	3.48	2.50		
22	1.23	2.27	3.90	4.65	3.48	22.11	43.05	4.65	1.50	3.06	3.48	3.14		
23	1.55	2.27	3.06	10.06	3.06	59.38	127.00	3.90	1.44	3.06	3.56	4.15		
24	2.03	2.27	2.27	5.79	2.82	57.52	72.96	3.90	1.39	3.22	3.64	3.90		
25	2.35	2.27	2.27	5.93	3.64	52.87	26.81	3.64	1.33	3.39	3.73	3.39		
26	3.14	1.50	1.50	95.65	12.60	30.61	21.10	3.06	1.28	3.39	3.73	3.06		
27	3.73	1.50	1.50	19.43	11.01	24.46	15.23	3.06	1.28	3.48	3.81	2.90		
28	4.23	1.50	1.50	10.82	8.73	63.58	13.81	2.03	1.23	3.48	3.81	2.66		
29	4.65	1.87	1.50	6.76	33.29	26.14	17.68	1.50	1.23	3.39		2.82		
30	5.24	2.27	1.50	4.96	36.39	16.93	13.21	1.50	1.17	3.31		3.31		
31		3.06		6.76	23.45		13.81		1.17	3.22		4.15		
Total	28.89	107.10	92.84	234.04	228.35	1105.26	911.37	190.09	59.24	76.90	95.86	81.22	3211.16	CMSDAY
Mean	0.96	3.45	3.09	7.55	7.37	36.84	29.40	6.34	1.91	2.48	3.42	2.62	8.80	CMS
Max	5.24	14.22	9.11	95.65	36.39	143.50	127.00	15.93	6.07	3.48	4.96	4.15	143.50	CMS
Min	0.00	1.50	1.50	0.00	2.50	2.50	5.10	1.50	1.17	1.17	2.90	1.55	0.00	CMS
Runoff	2.50	9.25	8.02	20.22	19.73	95.49	78.74	16.42	5.12	6.64	8.28	7.02	277.44	MCM
Momentary Peak	157.00 CMS. at 66.39 m. (MSL.) at 06.00 Hours , on Sep 10, 2021													
Runoff Yield	8.98	Liters/Second/Square KM.				Momentary Peak Yield		160.20	Liters/Second/Square KM.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.22	1.52	1.07	0.73	8.13	9.31	22.25	20.64	2.53	0.70	1.12	0.55		
2	0.22	1.57	0.92	1.03	5.92	13.29	18.49	17.14	2.42	0.66	1.12	0.55		
3	0.22	1.43	0.81	1.21	5.51	30.55	15.38	13.29	2.36	0.66	1.16	0.55		
4	0.22	1.39	0.73	1.52	33.71	39.69	13.98	12.43	2.25	0.66	1.21	0.55		
5	0.22	1.25	0.66	1.21	32.50	88.56	11.23	10.02	2.19	0.66	1.30	0.51		
6	0.22	1.12	0.62	1.03	28.88	26.03	9.90	9.19	2.14	0.66	1.25	0.47		
7	0.30	0.96	0.66	1.66	26.74	19.47	9.43	8.36	2.03	0.66	1.07	0.43		
8	0.66	0.92	0.70	1.75	24.91	15.74	8.25	7.70	1.88	0.66	1.03	0.51		
9	0.88	0.96	0.73	1.75	6.13	29.35	8.25	7.17	1.84	0.66	1.03	0.77		
10	0.92	0.88	0.66	1.52	3.91	33.71	7.28	6.65	1.79	0.66	1.00	0.81		
11	1.00	0.81	0.66	1.39	3.56	76.07	29.11	6.03	1.75	0.66	1.00	0.70		
12	1.16	0.73	1.00	1.39	3.91	32.50	15.56	5.67	1.70	0.66	1.30	0.66		
13	1.57	0.66	1.07	1.66	3.73	21.03	13.29	5.34	1.66	0.88	1.12	0.55		
14	1.52	0.58	1.16	1.97	4.68	16.62	14.50	5.01	1.61	1.03	1.07	0.47		
15	1.16	0.58	1.48	3.03	15.56	14.50	21.43	4.84	1.57	1.03	1.21	0.47		
16	1.30	0.55	1.52	5.26	9.78	16.97	41.67	5.01	1.57	1.03	1.39	0.40		
17	1.52	0.66	1.75	3.27	6.97	41.09	36.52	4.59	1.52	1.03	1.39	0.36		
18	1.25	0.70	2.36	2.42	5.26	20.64	26.74	4.20	1.48	1.07	1.43	0.40		
19	1.48	0.70	1.61	5.26	4.51	18.49	26.27	4.08	1.43	1.03	1.57	0.40		
20	1.93	0.77	1.21	4.26	4.26	19.47	20.25	3.91	1.39	1.07	1.52	0.47		
21	1.57	0.88	1.00	3.68	4.14	18.49	16.62	3.73	1.34	1.16	1.43	0.77		
22	1.30	1.16	0.88	4.84	3.97	15.56	15.03	3.62	1.12	1.25	1.30	0.88		
23	1.16	0.92	0.81	5.51	3.44	22.86	14.15	3.56	0.92	1.30	1.07	1.12		
24	1.16	1.00	0.77	9.43	3.09	42.24	11.57	3.38	0.88	1.34	0.92	0.92		
25	1.00	1.66	0.77	18.10	4.68	72.98	10.13	3.21	0.88	1.25	0.81	0.85		
26	1.03	0.96	0.85	12.09	8.01	101.10	9.19	3.09	0.85	1.16	0.73	0.70		
27	1.16	1.30	0.77	13.98	8.95	51.51	8.48	2.98	0.81	1.03	0.66	0.62		
28	1.61	1.34	0.70	7.70	8.95	32.74	7.80	2.87	0.81	1.03	0.58	0.51		
29	1.97	1.61	0.66	6.03	8.95	27.69	13.98	2.75	0.77	1.00		0.62		
30	1.79	1.79	0.62	9.31	9.07	22.04	25.79	2.64	0.77	1.00		0.81		
31		1.39		9.66	11.40		19.86		0.73	1.07		1.00		
Total	31.72	32.75	29.21	143.65	313.21	990.29	522.38	193.10	46.99	28.72	31.79	19.38	2383.19	CMSDAY
Mean	1.06													

WATER YEAR : 2021**NAN RIVER BASIN****Nan River at Bang Krathum , Phitsanulok (N.74)**

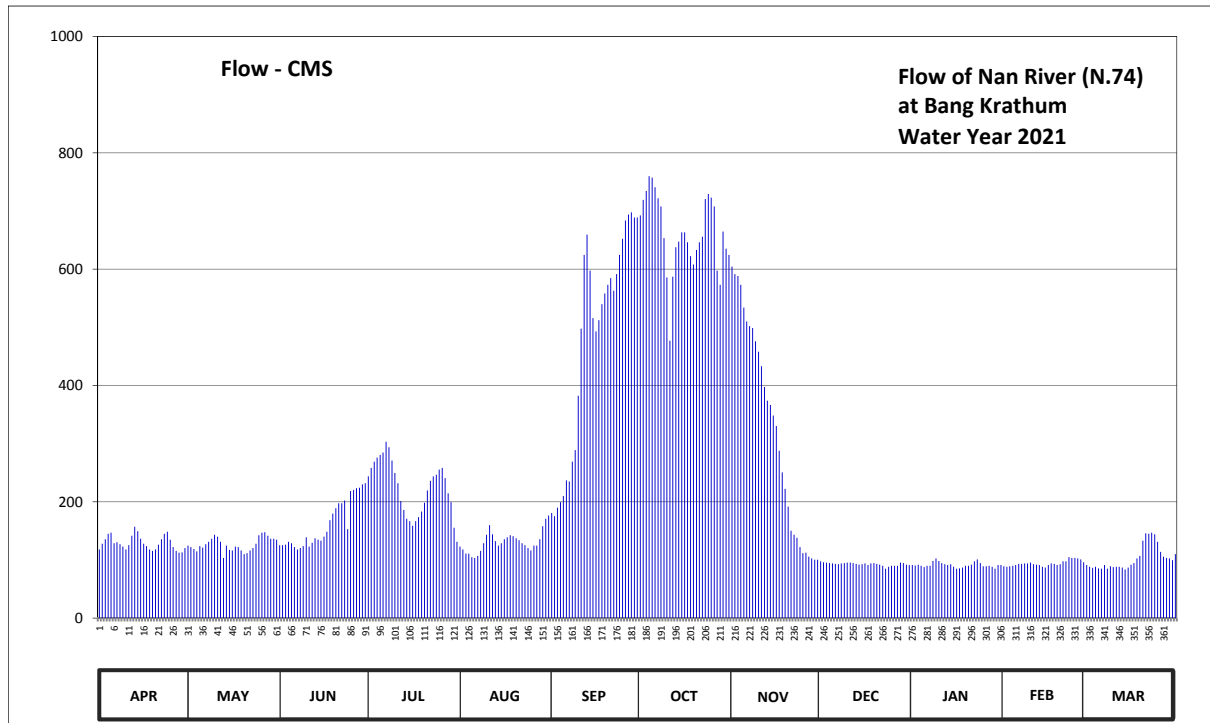
Lat 16 - 34 - 50 N Long 100 - 14 - 19 E

Location : on left bank at Bang Krathum.

	Ban	-	Amphoe	Bang Krathum	Changwat	Phitsanulok
Drainage 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	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 23 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	31.22	31.30	31.31	32.61	31.28	31.95	36.66	35.94	30.95	30.86	30.83	30.86	
2	31.34	31.27	31.31	32.76	31.22	31.89	36.87	35.83	30.93	30.85	30.82	30.82	
3	31.43	31.23	31.32	32.87	31.13	32.05	36.99	35.80	30.92	30.87	30.83	30.79	
4	31.54	31.18	31.38	32.94	31.13	32.15	37.19	35.67	30.91	30.84	30.84	30.82	
5	31.56	31.29	31.35	32.99	31.05	32.26	37.17	35.33	30.90	30.81	30.86	30.78	
6	31.35	31.26	31.27	33.03	31.03	32.54	37.04	35.12	30.89	30.84	30.89	30.77	
7	31.37	31.33	31.22	33.21	31.08	32.52	36.89	35.05	30.88	30.84	30.89	30.86	
8	31.33	31.38	31.25	33.12	31.19	32.87	36.78	35.02	30.90	30.96	30.90	30.77	
9	31.28	31.44	31.29	32.89	31.35	33.07	36.35	34.82	30.91	31.02	30.90	30.83	
10	31.22	31.52	31.47	32.67	31.52	33.96	35.78	34.66	30.92	30.96	30.92	30.81	
11	31.31	31.48	31.28	32.49	31.71	35.01	34.83	34.43	30.92	30.91	30.88	30.82	
12	31.50	31.38	31.36	32.17	31.53	36.11	35.79	34.10	30.91	30.88	30.87	30.82	
13	31.68	31.03	31.45	32.01	31.39	36.40	36.22	33.88	30.89	30.86	30.86	30.80	
14	31.59	31.30	31.42	31.84	31.30	35.88	36.30	33.81	30.87	30.88	30.82	30.75	
15	31.44	31.21	31.40	31.79	31.35	35.17	36.43	33.64	30.88	30.82	30.80	30.80	
16	31.34	31.20	31.48	31.70	31.43	34.97	36.43	33.47	30.90	30.77	30.86	30.87	
17	31.29	31.28	31.58	31.79	31.47	35.14	36.29	33.06	30.86	30.78	30.90	30.91	
18	31.22	31.27	31.81	31.87	31.51	35.38	36.09	32.68	30.90	30.80	30.89	31.02	
19	31.19	31.20	31.94	31.98	31.49	35.54	35.97	32.39	30.91	30.84	30.86	31.08	
20	31.22	31.12	32.04	32.14	31.45	35.67	36.18	32.07	30.89	30.84	30.88	31.40	
21	31.32	31.14	32.13	32.36	31.41	35.77	36.29	31.60	30.87	30.87	30.95	31.55	
22	31.43	31.20	32.13	32.53	31.35	35.58	36.37	31.52	30.84	30.95	30.95	31.54	
23	31.54	31.25	32.18	32.61	31.31	35.83	36.88	31.46	30.77	31.00	31.05	31.56	
24	31.58	31.34	31.63	32.64	31.25	36.11	36.95	31.27	30.82	30.91	31.03	31.53	
25	31.42	31.51	32.35	32.73	31.20	36.34	36.90	31.14	30.84	30.83	31.03	31.38	
26	31.27	31.56	32.37	32.76	31.30	36.59	36.78	31.15	30.84	30.83	31.02	31.17	
27	31.19	31.57	32.40	32.58	31.30	36.67	35.88	31.06	30.84	30.84	31.00	31.06	
28	31.15	31.50	32.41	32.31	31.43	36.70	35.67	31.02	30.92	30.82	30.93	31.03	
29	31.16	31.44	32.47	32.15	31.69	36.63	36.44	30.99	30.91	30.77		31.02	
30	31.25	31.44	32.49	31.66	31.84	36.63	36.20	30.99	30.87	30.86		30.98	
31		31.42		31.38	31.90		36.11		30.86	30.86		31.12	
Mean	31.36	31.32	31.72	32.41	31.37	34.78	36.41	33.30	30.88	30.86	30.90	31.01	
Max	31.68	31.57	32.49	33.21	31.90	36.70	37.19	35.94	30.95	31.02	31.05	31.56	37.19
Min	31.15	31.03	31.22	31.38	31.03	31.89	34.83	30.99	30.77	30.80	30.75	30.75	
Annual Max Momentary Gage Height	37.26		m. (MSL.) ,			at 18.00 Hours ,	on Oct 4, 2021						
Zero Gage at Bottom Elevation	29.36		m. (MSL.) ,			River Bed	27.24	m. (MSL.)					
Left Bank Elevation	40.10		m. (MSL.) ,										
Right Bank Elevation	40.57		m. (MSL.) ,			Drainage Are	24,923	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	117.88	124.60	125.44	243.64	122.92	180.60	692.42	604.38	97.50	91.20	89.10	91.20		
	2	127.96	122.08	125.44	258.24	117.88	175.32	719.09	591.51	96.10	90.50	88.40	88.40		
	3	135.58	118.72	126.28	268.95	110.88	189.78	734.33	588.00	95.40	91.90	89.10	86.30		
	4	145.04	114.68	131.32	275.76	110.88	199.33	759.73	573.05	94.70	89.80	89.80	88.40		
	5	146.76	123.76	128.80	280.63	104.80	209.83	757.19	533.95	94.00	87.70	91.20	85.60		
	6	128.80	121.24	122.08	284.66	103.28	236.83	740.68	509.98	93.30	89.80	93.30	84.90		
	7	130.48	127.12	117.88	303.05	107.08	234.88	721.63	502.00	92.60	89.80	93.30	91.20		
	8	127.12	131.32	120.40	293.84	115.44	268.95	707.66	498.58	94.00	98.20	94.00	84.90		
	9	122.92	136.44	123.76	270.89	128.80	288.74	653.35	475.78	94.70	102.52	94.00	89.10		
	10	117.88	143.32	139.02	249.48	143.32	382.34	585.70	458.10	95.40	98.20	95.40	87.70		
	11	125.44	139.88	122.92	231.96	159.66	497.44	476.92	432.80	95.40	94.70	92.60	88.40		
	12	141.60	131.32	129.64	201.24	144.18	624.49	586.85	397.25	94.70	92.60	91.90	88.40		
	13	157.08	103.28	137.30	185.96	132.16	659.40	637.62	373.82	93.30	91.20	91.20	87.00		
	14	149.34	124.60	134.72	170.92	124.60	597.36	647.30	366.37	91.90	92.60	88.40	83.50		
	15	136.44	117.04	133.00	166.54	128.80	515.68	663.21	348.26	92.60	88.40	87.00	87.00		
	16	127.96	116.20	139.88	158.80	135.58	492.88	663.21	330.35	94.00	84.90	91.20	91.90		
	17	123.76	122.92	148.48	166.54	139.02	512.26	646.09	287.72	91.20	85.60	94.00	94.70		
	18	117.88	122.08	168.28	173.56	142.46	539.70	622.11	250.45	94.00	87.00	93.30	102.52		
	19	115.44	116.20	179.72	183.24	140.74	558.10	607.89	222.25	94.70	89.80	91.20	107.08		
	20	117.88	110.12	188.82	198.37	137.30	573.05	632.82	191.69	93.30	89.80	92.60	133.00		
	21	126.28	111.64	197.42	219.38	133.86	584.55	646.09	150.20	91.90	91.90	97.50	145.90		
	22	135.58	116.20	197.42	235.85	128.80	562.70	655.77	143.32	89.80	97.50	97.50	145.04		
	23	145.04	120.40	202.19	243.64	125.44	591.51	720.36	138.16	84.90	101.00	104.80	146.76		
	24	148.48	127.96	152.78	246.56	120.40	624.49	729.25	122.08	88.40	94.70	103.28	144.18		
	25	134.72	142.46	218.43	255.32	116.20	652.14	722.90	111.64	89.80	89.10	103.28	131.32		
	26	122.08	146.76	220.34	258.24	124.60	683.53	707.66	112.40	89.80	89.10	102.52	113.92		
	27	115.44	147.62	223.20	240.72	124.60	693.69	597.36	105.56	89.80	89.80	101.00	105.56		
	28	112.40	141.60	224.17	214.61	135.58	697.50	573.05	102.52	95.40	88.40	96.10	103.28		
	29	113.16	136.44	230.01	199.33	157.94	688.61	664.48	100.30	94.70	84.90		102.52		
	30	120.40	136.44	231.96	155.36	170.92	688.61	635.20	100.30	91.90	91.20		99.60		
	31		134.72		131.32	176.20		624.49		91.20	91.20		110.12		
Total		3886.82	3929.16	4841.10	6966.60	4064.32	14404.29	20532.41	9722.77	2880.40	2835.02	2636.98	3189.40	79889.27	CMSDAY
Mean		129.56	126.75	161.37	224.73	131.11	480.14	662.34	324.09	92.92	91.45	94.18	102.88	218.87	CMS
Max		157.08	147.62	231.96	303.05	176.20	697.50	759.73	604.38	97.50	102.52	104.80	146.76	759.73	CMS
Min		112.40	103.28	117.88	131.32	103.28	175.32	476.92	100.30	84.90	84.90	87.00	83.50	83.50	CMS
Runoff		335.82	339.48	418.27	601.91	351.16	1244.53	1774.00	840.05	248.87	244.95	227.84	275.56	6902.43	MCM
Momentary Peak		768.62 CMS. at 37.26 m. (MSL.) at 18.00 Hours , on Oct 4, 2021													
Runoff Yield		8.59	Liters/Second/Square KM.			Momentary Peak Yield			30.15	Liters/Second/Square KM.					

WATER YEAR : 2021**NAN RIVER BASIN****Nam Wa at Tha Li Bridge , Nan (N.75)**

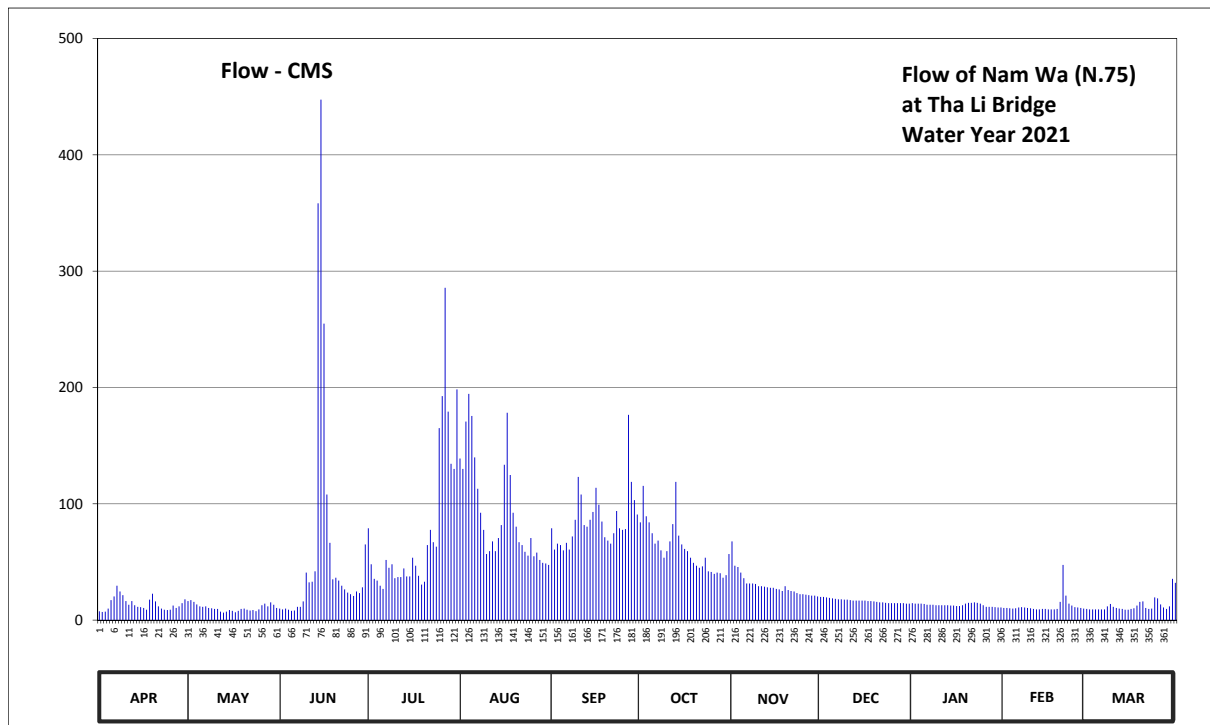
Lat 18 - 32 - 54 N Long 100 - 48 - 31 E

Location : on left bank at the bridge.

	Ban	Tha Li Bridge	Amphoe	Wiang Sa	Changwat	Nan
Drainage Area	2,173	sq.km.				
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 33 discharge measurements made in 2021.					

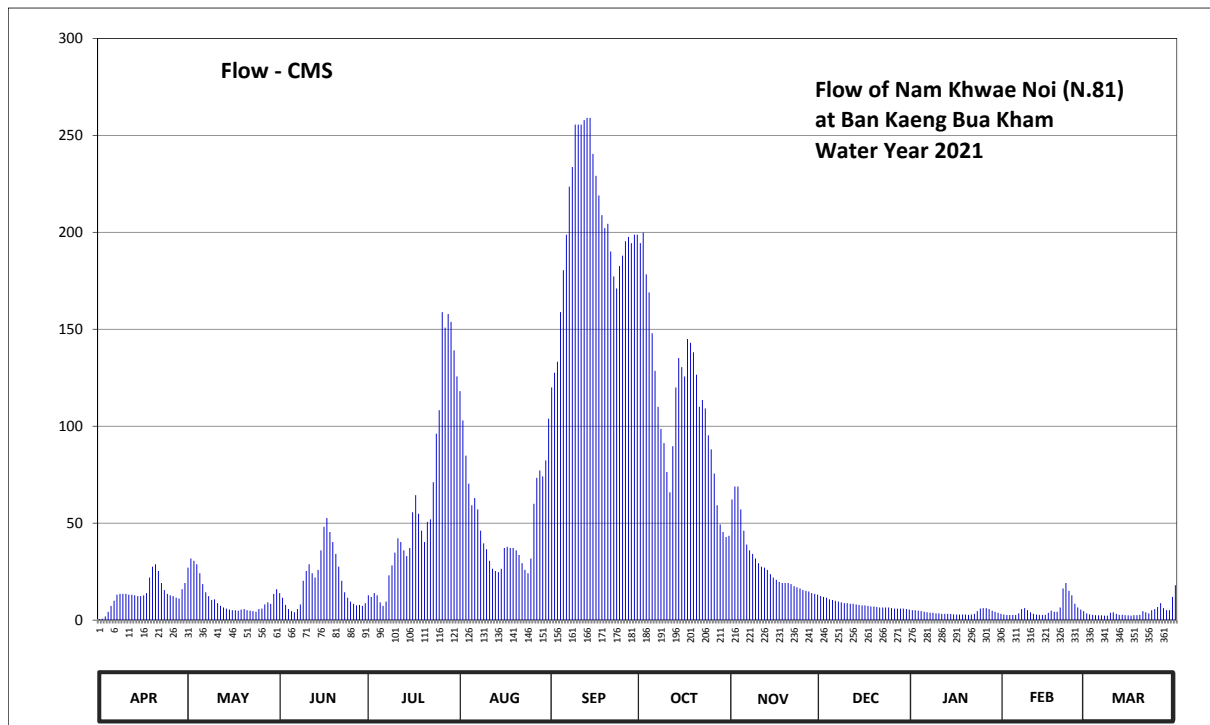
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	183.98	184.25	184.06	185.37	186.11	185.37	185.44	185.21	184.34	184.20	184.08	184.05	
2	183.96	184.27	184.04	184.90	186.01	185.10	185.84	184.88	184.34	184.19	184.08	184.04	
3	183.97	184.23	184.06	184.68	186.46	185.18	185.51	184.86	184.33	184.19	184.07	184.04	
4	184.06	184.17	184.03	184.65	186.71	185.16	185.44	184.78	184.32	184.19	184.06	184.04	
5	184.27	184.12	184.00	184.56	186.51	185.09	185.31	184.69	184.31	184.18	184.07	184.04	
6	184.35	184.11	184.01	184.50	186.12	185.19	185.18	184.60	184.30	184.16	184.09	184.04	
7	184.56	184.12	184.11	184.96	185.81	185.10	185.22	184.60	184.29	184.16	184.10	184.04	
8	184.45	184.08	184.11	184.85	185.55	185.27	185.09	184.60	184.29	184.16	184.09	184.12	
9	184.38	184.07	184.24	184.90	185.35	185.47	184.99	184.59	184.28	184.15	184.08	184.18	
10	184.25	184.05	184.78	184.69	185.04	185.93	185.08	184.55	184.28	184.15	184.07	184.11	
11	184.16	184.05	184.62	184.71	185.08	185.75	185.21	184.55	184.27	184.15	184.05	184.08	
12	184.25	183.97	184.63	184.71	185.21	185.41	185.42	184.54	184.26	184.15	184.04	184.06	
13	184.15	183.94	184.80	184.84	185.08	185.39	185.88	184.53	184.26	184.15	184.04	184.05	
14	184.11	183.97	188.17	184.72	185.25	185.47	185.28	184.52	184.26	184.14	184.05	184.03	
15	184.10	184.02	188.88	184.72	185.41	185.56	185.17	184.52	184.26	184.14	184.05	184.03	
16	184.08	184.00	187.29	184.99	186.05	185.82	185.11	184.50	184.26	184.13	184.04	184.05	
17	184.03	183.95	185.75	184.88	186.54	185.64	185.08	184.49	184.25	184.13	184.04	184.07	
18	184.28	184.00	185.19	184.73	185.95	185.45	184.99	184.46	184.25	184.15	184.04	184.14	
19	184.41	184.05	184.67	184.58	185.55	185.26	184.92	184.55	184.24	184.19	184.05	184.23	
20	184.24	184.06	184.70	184.63	185.39	185.22	184.88	184.48	184.23	184.21	184.23	184.24	
21	184.12	184.03	184.65	185.16	185.20	185.18	184.85	184.46	184.22	184.21	184.89	184.08	
22	184.06	184.01	184.56	185.35	185.16	185.31	184.87	184.45	184.22	184.22	184.37	184.05	
23	184.03	184.02	184.49	185.20	185.07	185.57	184.99	184.42	184.21	184.21	184.19	184.06	
24	184.02	183.99	184.43	185.14	185.02	185.37	184.80	184.40	184.20	184.19	184.14	184.33	
25	184.03	184.04	184.40	186.40	185.25	185.35	184.79	184.40	184.20	184.15	184.10	184.31	
26	184.14	184.15	184.36	186.69	185.01	185.36	184.76	184.39	184.20	184.11	184.09	184.17	
27	184.08	184.19	184.45	187.57	185.06	186.52	184.78	184.38	184.20	184.11	184.08	184.09	
28	184.12	184.12	184.42	186.55	184.96	185.88	184.77	184.37	184.20	184.11	184.06	184.05	
29	184.20	184.22	184.53	186.06	184.92	185.69	184.70	184.37	184.20	184.10		184.12	
30	184.29	184.16	185.17	186.01	184.91	185.53	184.74	184.35	184.19	184.09		184.68	
31		184.08		186.75	184.89		185.04		184.19	184.09		184.61	
Mean	184.17	184.08	184.85	185.24	185.50	185.45	185.10	184.55	184.25	184.16	184.12	184.14	
Max	184.56	184.27	188.88	187.57	186.71	186.52	185.88	185.21	184.34	184.22	184.89	184.68	188.88
Min	183.96	183.94	184.00	184.50	184.89	185.09	184.70	184.35	184.19	184.04	184.03	184.03	183.94
Annual Max Momentary Gage Height	191.35		m. (MSL.) ,				at 19.00 Hours , on Jun 14, 2021						
Zero Gage at Bottom Elevation	182.81		m. (MSL.) ,			River Bed	181.29	m. (MSL.)					
Left Bank Elevation		196.63		m. (MSL.) ,									
Right Bank Elevation		196.59		m. (MSL.) ,		Drainage Are	2,173	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	7.50	16.40	9.86	78.90	138.90	78.90	84.00	67.70	19.90	14.50	10.48	9.55		
2	7.00	17.16	9.24	48.00	129.90	60.60	115.40	46.80	19.90	14.16	10.48	9.24		
3	7.25	15.64	9.86	35.50	170.70	65.72	89.25	45.60	19.50	14.16	10.17	9.24		
4	9.86	13.48	8.93	34.00	194.45	64.44	84.00	40.90	19.10	14.16	9.86	9.24		
5	17.16	11.78	8.00	29.62	175.45	59.96	74.70	36.00	18.70	13.82	10.17	9.24		
6	20.30	11.44	8.31	26.80	139.80	66.36	65.72	31.50	18.30	13.14	10.79	9.24		
7	29.62	11.78	11.44	51.72	112.85	60.60	68.40	31.50	17.92	13.14	11.10	9.24		
8	24.55	10.48	11.44	45.00	92.25	71.90	59.96	31.50	17.92	13.14	10.79	11.78		
9	21.50	10.17	16.02	48.00	77.50	86.25	53.58	31.03	17.54	12.80	10.48	13.82		
10	16.40	9.55	40.90	36.00	56.76	123.05	59.32	29.15	17.54	12.80	10.17	11.44		
11	13.14	9.55	32.50	37.05	59.32	108.00	67.70	29.15	17.16	12.80	9.55	10.48		
12	16.40	7.25	33.00	37.05	67.70	81.75	82.50	28.68	16.78	12.80	9.24	9.86		
13	12.80	6.50	42.00	44.40	59.32	80.30	118.80	28.21	16.78	12.80	9.24	9.55		
14	11.44	7.25	358.25	37.60	70.50	86.25	72.60	27.74	16.78	12.46	9.55	8.93		
15	11.10	8.62	447.40	37.60	81.75	93.00	65.08	27.74	16.78	12.46	9.55	8.93		
16	10.48	8.00	254.90	53.58	133.50	113.70	61.24	26.80	16.78	12.12	9.24	9.55		
17	8.93	6.75	108.00	46.80	178.30	99.20	59.32	26.35	16.40	12.12	9.24	10.17		
18	17.54	8.00	66.36	38.15	124.75	84.75	53.58	25.00	16.40	12.80	9.24	12.46		
19	22.75	9.55	35.00	30.56	92.25	71.20	49.24	29.15	16.02	14.16	9.55	15.64		
20	16.02	9.86	36.50	33.00	80.30	68.40	46.80	25.90	15.64	14.88	15.64	16.02		
21	11.78	8.93	34.00	64.44	67.00	65.72	45.00	25.00	15.26	14.88	47.40	10.48		
22	9.86	8.31	29.62	77.50	64.44	74.70	46.20	24.55	15.26	15.26	21.10	9.55		
23	8.93	8.62	26.35	67.00	58.68	93.75	53.58	23.20	14.88	14.88	14.16	9.86		
24	8.62	7.75	23.65	63.16	55.48	78.90	42.00	22.30	14.50	14.16	12.46	19.50		
25	8.93	9.24	22.30	165.00	70.50	77.50	41.45	22.30	14.50	12.80	11.10	18.70		
26	12.46	12.80	20.70	192.55	54.84	78.20	39.80	21.90	14.50	11.44	10.79	13.48		
27	10.48	14.16	24.55	285.70	58.04	176.40	40.90	21.50	14.50	11.44	10.48	10.79		
28	11.78	11.78	23.20	179.25	51.72	118.80	40.35	21.10	14.50	11.44	9.86	9.55		
29	14.50	15.26	28.21	134.40	49.24	103.20	36.50	21.10	14.50	11.10		11.78		
30	17.92	13.14	65.08	129.90	48.62	90.75	38.70	20.30	14.16	10.79		35.50		
31		10.48		198.25	47.40		56.76		14.16	10.79		32.00		
Total	417.00	329.68	1845.57	2386.48	2862.21	2582.25	1912.43	889.65	512.56	404.20	341.88	394.81	14878.72	CMSDAY
Mean	13.90	10.63	61.52	76.98	92.33	86.08	61.69	29.65	16.53	13.04	12.21	12.74	40.76	CMS
Max	29.62	17.16	447.40	285.70	194.45	176.40	118.80	67.70	19.90	15.26	47.40	35.50	447.40	CMS
Min	7.00	6.50	8.00	26.80	47.40	59.96	36.50	20.30	14.16	10.79	9.24	8.93	6.50	CMS
Runoff	36.03	28.48	159.46	206.19	247.29	223.11	165.23	76.87	44.29	34.92	29.54	34.11	1285.52	MCM
Momentary Peak	802.25	CMS. at 191.35 m. (MSL.) at 19.00 Hours , on Jun 14, 2021												
Runoff Yield	18.76	Liters/Second/Square KM.			Momentary Peak Yield			369.19	Liters/Second/Square KM.					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.57	27.02	13.94	12.75	118.07	119.97	194.37	62.21	12.35	5.13	2.85	3.50		
2	0.73	31.78	11.56	11.95	102.97	127.57	199.88	68.86	11.95	5.13	2.64	2.96		
3	1.90	30.58	7.84	13.94	84.80	133.27	178.29	68.86	11.56	4.86	2.64	2.75		
4	4.32	28.78	5.67	12.75	70.36	158.86	169.00	57.06	10.76	4.59	2.64	2.53		
5	7.30	24.20	4.59	9.17	59.27	180.44	147.93	46.12	10.37	4.32	2.64	2.43		
6	9.97	18.57	4.04	7.30	62.95	198.76	128.52	38.98	9.97	4.04	3.50	2.43		
7	13.14	14.34	5.67	9.57	57.06	223.50	110.01	35.98	9.57	3.77	5.67	2.32		
8	13.54	12.35	8.11	23.08	46.12	233.68	98.57	34.18	9.17	3.77	6.21	2.32		
9	13.54	10.37	20.26	28.18	39.58	255.56	91.28	31.78	8.78	3.50	5.13	3.77		
10	13.54	10.76	25.33	34.78	36.58	255.56	76.37	29.38	8.78	3.50	4.04	4.04		
11	13.14	8.78	28.78	42.19	30.58	255.56	65.89	27.58	8.38	3.23	3.23	3.23		
12	13.14	7.30	24.20	40.23	26.45	257.89	89.66	27.02	8.38	3.23	2.85	2.75		
13	12.75	6.48	21.95	35.98	25.33	259.05	119.97	25.89	8.11	3.23	2.75	2.75		
14	12.35	5.94	25.89	32.98	24.77	259.05	135.17	23.64	7.84	3.23	2.64	2.53		
15	12.35	5.40	35.98	37.18	26.45	240.47	130.42	21.95	7.57	2.96	2.75	2.43		
16	12.75	5.13	48.08	55.59	37.18	229.16	125.67	20.82	7.57	2.85	3.77	2.32		
17	13.94	5.13	52.65	64.42	37.78	218.98	144.99	19.70	7.30	2.85	4.86	2.53		
18	21.95	4.86	45.46	54.86	37.18	208.87	143.02	19.14	7.03	2.85	4.32	2.53		
19	27.58	5.40	40.23	46.12	37.18	202.13	138.12	19.14	7.03	2.85	4.32	2.75		
20	28.78	5.67	34.18	40.23	35.98	204.38	126.62	19.14	6.75	2.75	6.48	4.59		
21	25.33	5.13	27.58	50.69	33.58	190.08	110.01	18.57	6.48	2.85	16.32	4.04		
22	19.14	4.86	20.26	52.00	29.38	177.22	113.53	17.45	6.48	3.23	19.14	3.50		
23	15.53	4.59	14.34	71.11	25.89	171.02	109.13	16.88	6.48	4.59	15.13	5.13		
24	13.54	4.32	11.56	96.14	24.20	182.58	95.33	16.32	6.48	5.94	12.75	5.67		
25	12.75	5.67	9.57	108.25	31.78	187.94	88.04	15.53	6.21	6.21	8.38	6.75		
26	12.35	5.94	8.38	158.86	60.01	195.44	75.62	15.13	5.94	6.21	6.48	8.78		
27	11.56	8.11	7.57	150.87	73.36	197.63	59.27	14.73	5.94	5.67	5.40	6.21		
28	11.16	9.17	7.84	157.84	77.12	194.37	49.38	13.94	5.94	4.86	4.59	5.13		
29	15.92	8.38	7.30	153.82	74.11	198.76	45.46	13.54	5.94	4.32		5.13		
30	19.14	13.54	8.78	139.10	82.37	198.76	42.85	13.14	5.67	3.77		11.95		
31		15.92		125.67	103.85		43.50		5.40	3.23		18.01		
Total	403.70	354.47	587.59	1877.60	1612.29	6116.51	3445.87	852.66	246.18	123.52	164.12	137.76	15922.27	CMSDAY
Mean	13.46	11.43	19.59	60.57	52.01	203.88	111.16	28.42	7.94	3.98	5.86	4.44	43.62	CMS
Max	28.78	31.78	52.65	158.86	118.07	259.05	199.88	68.86	12.35	6.21	19.14	18.01	259.05	CMS
Min	0.57	4.32	4.04	7.30	24.20	119.97	42.85	13.14	5.40	2.75	2.64	2.32	0.57	CMS
Runoff	34.88	30.63	50.77	162.22	139.30	528.47	297.72	73.67	21.27	10.67	14.18	11.90	1375.68	MCM
Momentary Peak	275.47 CMS. at 164.69 m. (MSL.) at 07.00 Hours , on Sep 14, 2021													
Runoff Yield	11.87	Liters/Second/Square KM.			Momentary Peak Yield			74.96	Liters/Second/Square KM.					

WATER YEAR : 2021**NAN RIVER BASIN****Nam Pat at Ban Suan , Uttaradit (N.84)**

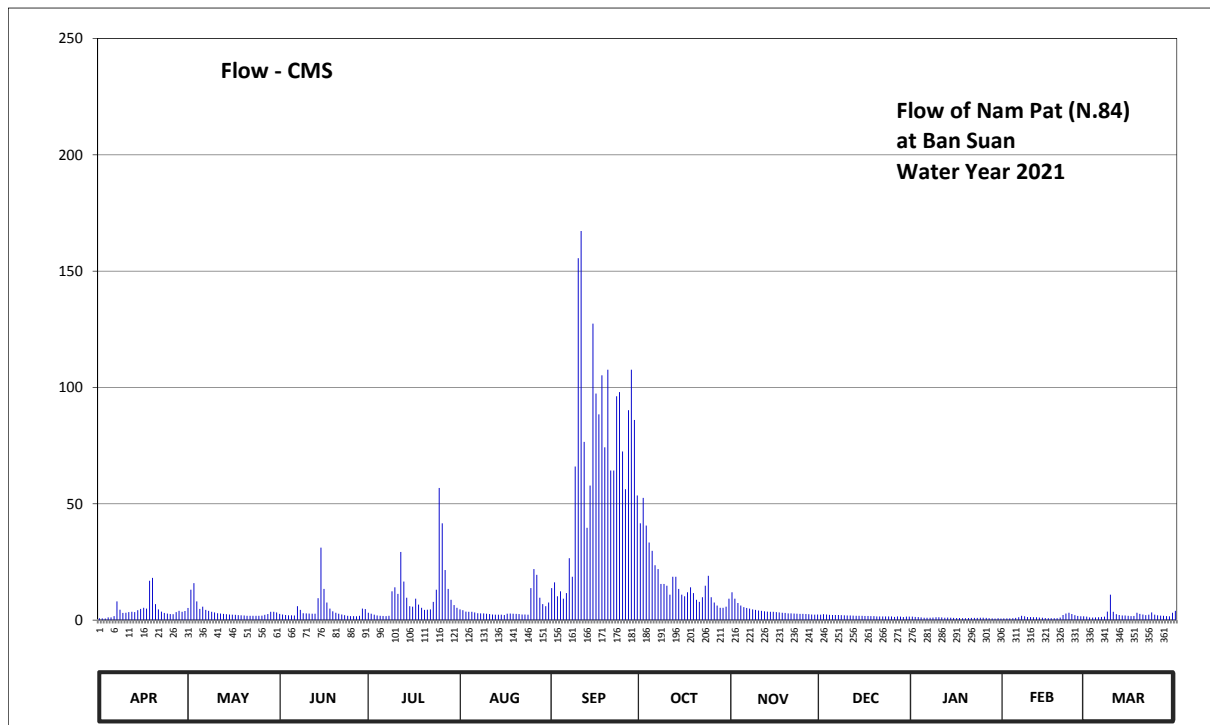
Lat 17 - 44 - 28 N Long 100 - 40 - 45 E

Location : on right bank at Ban Suan.

	Ban Suan	Amphoe Nam Pat	Changwat Uttaradit
Drainage Area	2,204 sq.km.		
Type of Gage	Staff gage		
Zero Gage at Bottom	+0.000 m. (A.D.)		
Bench Mark	B.M.- H.D.		
Location BM	On left bank near the gage site.	Elevation	+8.842 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	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	Stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records very good. Stage-discharge relation defined by 6 discharge measurements made in 2021.		

Gage Height in Meter (A.D.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.61	1.09	0.86	0.92	1.04	1.41	2.05	1.36	0.82	0.70	0.60	0.70	
2	0.60	1.39	0.83	0.87	1.01	1.48	2.26	1.27	0.84	0.69	0.60	0.66	
3	0.59	1.47	0.80	0.82	0.96	1.31	2.03	1.19	0.83	0.68	0.60	0.65	
4	0.66	1.22	0.78	0.77	0.95	1.37	1.88	1.14	0.81	0.66	0.61	0.66	
5	0.66	1.06	0.78	0.75	0.95	1.27	1.80	1.11	0.80	0.64	0.63	0.67	
6	0.73	1.12	0.77	0.74	0.93	1.35	1.66	1.09	0.80	0.64	0.67	0.69	
7	1.22	1.02	1.13	0.73	0.90	1.73	1.62	1.07	0.80	0.64	0.75	0.70	
8	1.03	0.99	1.02	0.75	0.89	1.54	1.46	1.04	0.79	0.65	0.72	0.96	
9	0.91	0.95	0.90	1.37	0.89	2.51	1.46	1.02	0.78	0.67	0.68	1.33	
10	0.92	0.93	0.89	1.42	0.87	4.00	1.44	1.00	0.77	0.67	0.68	0.95	
11	0.94	0.90	0.88	1.34	0.85	4.19	1.33	0.99	0.77	0.66	0.67	0.84	
12	0.95	0.88	0.87	1.79	0.83	2.69	1.54	0.97	0.76	0.64	0.67	0.80	
13	0.94	0.86	0.87	1.49	0.82	2.01	1.54	0.96	0.75	0.65	0.65	0.77	
14	1.01	0.84	1.28	1.29	0.82	2.36	1.40	0.95	0.75	0.64	0.64	0.77	
15	1.06	0.83	1.83	1.13	0.82	3.54	1.33	0.95	0.75	0.63	0.62	0.75	
16	1.10	0.82	1.40	1.12	0.80	3.04	1.31	0.94	0.74	0.62	0.61	0.73	
17	1.07	0.81	1.20	1.27	0.87	2.89	1.36	0.93	0.74	0.62	0.61	0.74	
18	1.50	0.79	1.07	1.16	0.88	3.17	1.42	0.92	0.73	0.61	0.61	0.92	
19	1.53	0.78	0.97	1.10	0.87	2.65	1.35	0.91	0.73	0.61	0.61	0.86	
20	1.17	0.77	0.92	1.02	0.86	3.21	1.25	0.89	0.71	0.62	0.65	0.83	
21	1.04	0.75	0.87	1.03	0.85	2.48	1.21	0.89	0.71	0.63	0.80	0.79	
22	0.96	0.75	0.83	1.04	0.83	2.48	1.30	0.88	0.71	0.63	0.88	0.82	
23	0.91	0.75	0.79	1.21	0.83	3.02	1.44	0.87	0.71	0.63	0.92	0.93	
24	0.88	0.75	0.75	1.39	0.82	3.05	1.55	0.86	0.71	0.64	0.85	0.82	
25	0.85	0.75	0.73	2.34	1.41	2.62	1.30	0.86	0.71	0.64	0.79	0.78	
26	0.84	0.76	0.73	2.05	1.62	2.33	1.20	0.85	0.69	0.63	0.74	0.76	
27	0.94	0.81	0.72	1.61	1.56	2.92	1.14	0.84	0.71	0.61	0.72	0.75	
28	0.99	0.85	0.75	1.40	1.29	3.21	1.10	0.83	0.70	0.60	0.72	0.73	
29	0.95	0.95	1.07	1.25	1.17	2.85	1.10	0.82	0.68	0.59		0.72	
30	0.98	0.95	1.05	1.15	1.13	2.28	1.12	0.83	0.70	0.61		0.92	
31		0.93		1.10	1.20		1.27		0.70	0.59		0.99	
Mean	0.95	0.92	0.94	1.21	0.98	2.50	1.46	0.97	0.75	0.64	0.69	0.81	
Max	1.53	1.47	1.83	2.34	1.62	4.19	2.26	1.36	0.84	0.70	0.92	1.33	4.19
Min	0.59	0.75	0.72	0.73	0.80	1.27	1.10	0.82	0.68	0.59	0.60	0.65	0.59
Annual Max Momentary Gage Height	4.57		m. (A.D.) ,			at 05.00 Hours , on Sep 11, 2021							
Zero Gage at Bottom Elevation		0.00	m. (A.D.) ,			River Bed -0.05	m. (MSL.)						
Left Bank Elevation		8.43	m. (A.D.) ,										
Right Bank Elevation		7.18	m. (A.D.) ,			Drainage Are 2,204	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.81	5.19	2.66	3.19	4.60	13.75	41.62	11.98	2.36	1.48	0.74	1.48	
2	0.74	13.04	2.43	2.73	4.25	16.22	52.50	9.18	2.51	1.40	0.74	1.18	
3	0.66	15.87	2.21	2.36	3.66	10.21	40.64	7.36	2.43	1.33	0.74	1.11	
4	1.18	8.04	2.07	1.99	3.54	12.34	33.37	6.22	2.29	1.18	0.81	1.18	
5	1.18	4.84	2.07	1.84	3.54	9.18	29.77	5.54	2.21	1.03	0.96	1.25	
6	1.70	5.77	1.99	1.77	3.30	11.63	23.60	5.19	2.21	1.03	1.25	1.40	
7	8.04	4.37	5.99	1.70	2.95	26.62	21.93	4.96	2.21	1.03	1.84	1.48	
8	4.48	4.01	4.37	1.84	2.88	18.60	15.52	4.60	2.14	1.11	1.62	3.66	
9	3.07	3.54	2.95	12.34	2.88	65.99	15.52	4.37	2.07	1.25	1.33	10.92	
10	3.19	3.30	2.88	14.10	2.73	155.52	14.81	4.13	1.99	1.25	1.33	3.54	
11	3.42	2.95	2.80	11.27	2.58	167.23	10.92	4.01	1.99	1.18	1.25	2.51	
12	3.54	2.80	2.73	29.32	2.43	76.59	18.60	3.78	1.92	1.03	1.25	2.21	
13	3.42	2.66	2.73	16.58	2.36	39.66	18.60	3.66	1.84	1.11	1.11	1.99	
14	4.25	2.51	9.41	9.63	2.36	57.85	13.40	3.54	1.84	1.03	1.03	1.99	
15	4.84	2.43	31.12	5.99	2.36	127.42	10.92	3.54	1.84	0.96	0.89	1.84	
16	5.31	2.36	13.40	5.77	2.21	97.40	10.21	3.42	1.77	0.89	0.81	1.70	
17	4.96	2.29	7.59	9.18	2.73	88.41	11.98	3.30	1.77	0.89	0.81	1.77	
18	16.93	2.14	4.96	6.68	2.80	105.20	14.10	3.19	1.70	0.81	0.81	3.19	
19	18.18	2.07	3.78	5.31	2.73	74.24	11.63	3.07	1.70	0.81	0.81	2.66	
20	6.90	1.99	3.19	4.37	2.66	107.60	8.72	2.88	1.55	0.89	1.11	2.43	
21	4.60	1.84	2.73	4.48	2.58	64.32	7.81	2.88	1.55	0.96	2.21	2.14	
22	3.66	1.84	2.43	4.60	2.43	64.32	9.86	2.80	1.55	0.96	2.80	2.36	
23	3.07	1.84	2.14	7.81	2.43	96.20	14.81	2.73	1.55	0.96	3.19	3.30	
24	2.80	1.84	1.84	13.04	2.36	98.00	19.02	2.66	1.55	1.03	2.58	2.36	
25	2.58	1.84	1.70	56.77	13.75	72.47	9.86	2.66	1.55	1.03	2.14	2.07	
26	2.51	1.92	1.70	41.62	21.93	56.23	7.59	2.58	1.40	0.96	1.77	1.92	
27	3.42	2.29	1.62	21.52	19.43	90.20	6.22	2.51	1.55	0.81	1.62	1.84	
28	4.01	2.58	1.84	13.40	9.63	107.60	5.31	2.43	1.48	0.74	1.62	1.70	
29	3.54	3.54	4.96	8.72	6.90	86.05	5.31	2.36	1.33	0.66		1.62	
30	3.89	3.54	4.72	6.45	5.99	53.56	5.77	2.43	1.48	0.81		3.19	
31		3.30		5.31	7.59		9.18		1.48	0.66		4.01	
Total	130.88	118.54	137.01	331.68	154.57	2070.61	519.10	123.96	56.81	31.27	39.17	76.00	3789.60 CMSDAY
Mean	4.36	3.82	4.57	10.70	4.99	69.02	16.75	4.13	1.83	1.01	1.40	2.45	10.38 CMS
Max	18.18	15.87	31.12	56.77	21.93	167.23	52.50	11.98	2.51	1.48	3.19	10.92	167.23 CMS
Min	0.66	1.84	1.62	1.70	2.21	9.18	5.31	2.36	1.33	0.66	0.74	1.11	0.66 CMS
Runoff	11.31	10.24	11.84	28.66	13.35	178.90	44.85	10.71	4.91	2.70	3.38	6.57	327.42 MCM
Momentary Peak	190.83 CMS. at 4.57 m. (MSL.) at 05.00 Hours , on Sep 11, 2021												
Runoff Yield	4.71	Liters/Second/Square KM.			Momentary Peak Yield			86.58	Liters/Second/Square KM.				

WATER YEAR : 2021

NAN RIVER BASIN

Nan River at Ban Saphan Khwae Yai Phatthana, Nakhon Sawan (N.85)

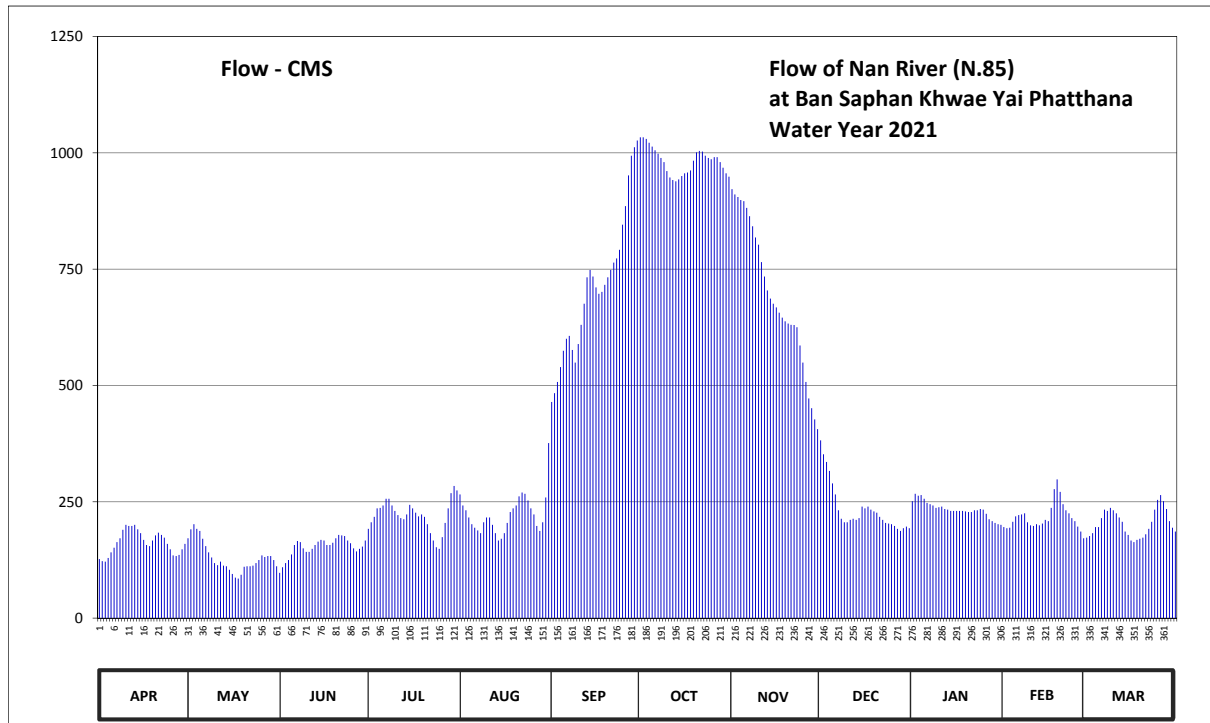
Lat 15 - 43 - 16 N Long 100 - 10 - 20 E

Location : on right bank at Khwae Yai Phatthana Bridge.

	Ban	-	Amphoe	Mueang	Changwat	Nakhon Sawan
Drainge 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 10 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	16.89	17.28	16.62	17.45	18.02	19.37	25.16	24.42	18.82	17.91	17.48	17.29	
2	16.85	17.44	16.73	17.56	17.84	19.49	25.16	24.34	18.62	18.03	17.46	17.32	
3	16.84	17.53	16.81	17.65	17.76	19.64	25.14	24.30	18.51	18.00	17.47	17.37	
4	16.91	17.45	16.87	17.79	17.64	19.84	25.09	24.25	18.38	18.01	17.57	17.48	
5	17.02	17.41	16.98	17.80	17.53	20.06	25.04	24.23	18.19	17.95	17.66	17.48	
6	17.11	17.27	17.16	17.84	17.47	20.22	24.99	24.12	18.02	17.88	17.68	17.63	
7	17.21	17.14	17.23	17.95	17.42	20.26	24.94	23.98	17.76	17.86	17.69	17.77	
8	17.28	17.02	17.21	17.95	17.37	20.07	24.88	23.80	17.62	17.84	17.71	17.75	
9	17.43	16.92	17.10	17.84	17.56	19.90	24.82	23.60	17.56	17.80	17.56	17.80	
10	17.52	16.81	17.03	17.75	17.64	20.15	24.69	23.46	17.56	17.81	17.51	17.76	
11	17.50	16.77	17.03	17.68	17.64	20.82	24.60	23.10	17.60	17.82	17.50	17.71	
12	17.50	16.84	17.09	17.63	17.52	22.05	24.56	22.79	17.62	17.78	17.53	17.64	
13	17.52	16.76	17.16	17.61	17.37	22.77	24.54	22.44	17.60	17.77	17.51	17.57	
14	17.44	16.75	17.22	17.69	17.24	22.93	24.57	22.21	17.63	17.75	17.54	17.40	
15	17.37	16.68	17.25	17.85	17.27	22.79	24.62	22.05	17.82	17.75	17.60	17.34	
16	17.25	16.60	17.24	17.79	17.37	22.52	24.66	21.93	17.79	17.75	17.58	17.24	
17	17.16	16.52	17.16	17.72	17.55	22.35	24.67	21.73	17.82	17.75	17.80	17.21	
18	17.14	16.50	17.16	17.66	17.73	22.40	24.70	21.47	17.77	17.75	18.10	17.25	
19	17.24	16.58	17.20	17.69	17.79	22.59	24.84	21.26	17.74	17.74	18.25	17.27	
20	17.33	16.74	17.28	17.65	17.84	22.77	24.96	21.04	17.72	17.73	18.06	17.29	
21	17.38	16.75	17.34	17.53	17.99	22.93	24.98	20.83	17.65	17.73	17.86	17.35	
22	17.34	16.75	17.33	17.37	18.05	23.09	24.97	20.63	17.60	17.76	17.76	17.45	
23	17.29	16.76	17.32	17.24	18.03	23.18	24.91	20.37	17.55	17.76	17.71	17.57	
24	17.18	16.81	17.24	17.12	17.92	23.36	24.88	20.13	17.54	17.78	17.63	17.77	
25	17.08	16.87	17.19	17.09	17.79	23.83	24.86	19.90	17.53	17.77	17.58	17.93	
26	16.96	16.96	17.10	17.30	17.69	24.15	24.89	19.64	17.50	17.70	17.49	18.01	
27	16.95	16.93	17.04	17.55	17.50	24.63	24.89	19.42	17.45	17.61	17.40	17.91	
28	16.97	16.95	17.09	17.79	17.41	24.91	24.82	19.28	17.41	17.58	17.28	17.78	
29	17.08	16.95	17.13	18.04	17.56	25.03	24.74	19.12	17.46	17.55		17.58	
30	17.18	16.87	17.24	18.15	17.97	25.12	24.66	18.98	17.49	17.53		17.47	
31		16.75		18.08	18.78		24.61		17.46	17.52		17.40	
Mean	17.20	16.91	17.12	17.67	17.69	22.11	24.83	21.96	17.77	17.77	17.64	17.54	
Max	17.52	17.53	17.34	18.15	18.78	25.12	25.16	24.42	18.82	18.03	18.25	18.01	25.16
Min	16.84	16.50	16.62	17.09	17.24	19.37	24.54	18.98	17.41	17.52	17.28	17.21	16.50
Annual Max Momentary Gage Height	25.16		m. (MSL.) ,			at 23.00 Hours ,	on Sep 30, 2021						
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, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	126.90	171.60	97.20	192.00	265.80	464.50	1033.20	921.80	382.00	251.30	195.60	172.80		
	2	122.50	190.80	109.30	205.80	242.20	483.40	1033.20	910.60	352.00	267.20	193.20	176.40		
	3	121.40	201.90	118.10	217.50	231.80	507.40	1029.80	905.00	335.50	263.00	194.40	182.40		
	4	129.10	192.00	124.70	235.70	216.20	539.40	1021.40	898.50	316.20	264.40	207.10	195.60		
	5	141.20	187.20	136.80	237.00	201.90	574.60	1013.40	895.90	289.60	256.50	218.80	195.60		
	6	151.20	170.40	157.20	242.20	194.40	600.20	1005.50	881.60	265.80	247.40	221.40	214.90		
	7	163.20	154.80	165.60	256.50	188.40	606.60	998.00	863.60	231.80	244.80	222.70	233.10		
	8	171.60	141.20	163.20	256.50	182.40	576.20	989.00	842.00	213.60	242.20	225.30	230.50		
	9	189.60	130.20	150.00	242.20	205.80	549.00	980.00	818.00	205.80	237.00	205.80	237.00		
	10	200.60	118.10	142.30	230.50	216.20	589.00	960.50	802.60	205.80	238.30	199.30	231.80		
	11	198.00	113.70	142.30	221.40	216.20	630.20	947.00	765.00	211.00	239.60	198.00	225.30		
	12	198.00	121.40	148.90	214.90	200.60	675.50	941.40	734.10	213.60	234.40	201.90	216.20		
	13	200.60	112.60	157.20	212.30	182.40	732.30	938.60	704.20	211.00	233.10	199.30	207.10		
	14	190.80	111.50	164.40	222.70	166.80	748.00	942.80	686.70	214.90	230.50	203.20	186.00		
	15	182.40	103.80	168.00	243.50	170.40	734.10	950.00	675.50	239.60	230.50	211.00	178.80		
	16	168.00	95.00	166.80	235.70	182.40	710.60	956.00	667.80	235.70	230.50	208.40	166.80		
	17	157.20	87.00	157.20	226.60	204.50	697.00	957.50	656.50	239.60	230.50	237.00	163.20		
	18	154.80	85.00	157.20	218.80	227.90	701.00	962.00	645.80	233.10	230.50	277.00	168.00		
	19	166.80	93.00	162.00	222.70	235.70	716.20	983.00	637.80	229.20	229.20	298.00	170.40		
	20	177.60	110.40	171.60	217.50	242.20	732.30	1001.00	632.80	226.60	227.90	271.40	172.80		
	21	183.60	111.50	178.80	201.90	261.70	748.00	1004.00	630.30	217.50	227.90	244.80	180.00		
	22	178.80	111.50	177.60	182.40	270.00	764.00	1002.50	630.00	211.00	231.80	231.80	192.00		
	23	172.80	112.60	176.40	166.80	267.20	773.00	993.50	624.90	204.50	231.80	225.30	207.10		
	24	159.60	118.10	166.80	152.40	252.60	791.60	989.00	585.80	203.20	234.40	214.90	233.10		
	25	147.80	124.70	160.80	148.90	235.70	845.60	986.00	549.00	201.90	233.10	208.40	253.90		
	26	134.60	134.60	150.00	174.00	222.70	885.50	990.50	507.40	198.00	224.00	196.80	264.40		
	27	133.50	131.30	143.40	204.50	198.00	951.50	990.50	472.20	192.00	212.30	186.00	251.30		
	28	135.70	133.50	148.90	235.70	187.20	993.50	980.00	451.00	187.20	208.40	171.60	234.40		
	29	147.80	133.50	153.60	268.60	205.80	1011.80	968.00	427.00	193.20	204.50		208.40		
	30	159.60	124.70	166.80	284.00	259.10	1026.40	956.00	406.00	196.80	201.90		194.40		
	31		111.50		274.20	376.00		948.50		193.20	200.60		186.00		
Total		4865.30	4039.10	4583.10	6845.40	6910.20	21358.40	30451.80	20829.40	7250.90	7239.50	6068.40	6329.70	126771.20	CMSDAY
Mean		162.18	130.29	152.77	220.82	222.91	711.95	982.32	694.31	233.90	233.53	216.73	204.18	347.32	CMS
Max		200.60	201.90	178.80	284.00	376.00	1026.40	1033.20	921.80	382.00	267.20	298.00	264.40	1033.20	CMS
Min		121.40	85.00	97.20	148.90	166.80	464.50	938.60	406.00	187.20	200.60	171.60	163.20	85.00	CMS
Runoff		420.36	348.98	395.98	591.44	597.04	1845.37	2631.04	1799.66	626.48	625.49	524.31	546.89	10953.03	MCM
Momentary Peak		1033.20 CMS. at 25.16 m. (MSL.) at 23.00 Hours , on Sep 30, 2021													
Runoff Yield		5.91	Liters/Second/Square KM.				Momentary Peak Yield				17.57	Liters/Second/Square KM.			

WATER YEAR : 2021

CHAO PHRAYA RIVER BASIN

Chao Phraya River at Khai Chira Prawat, Nakhon Sawan (C.2)

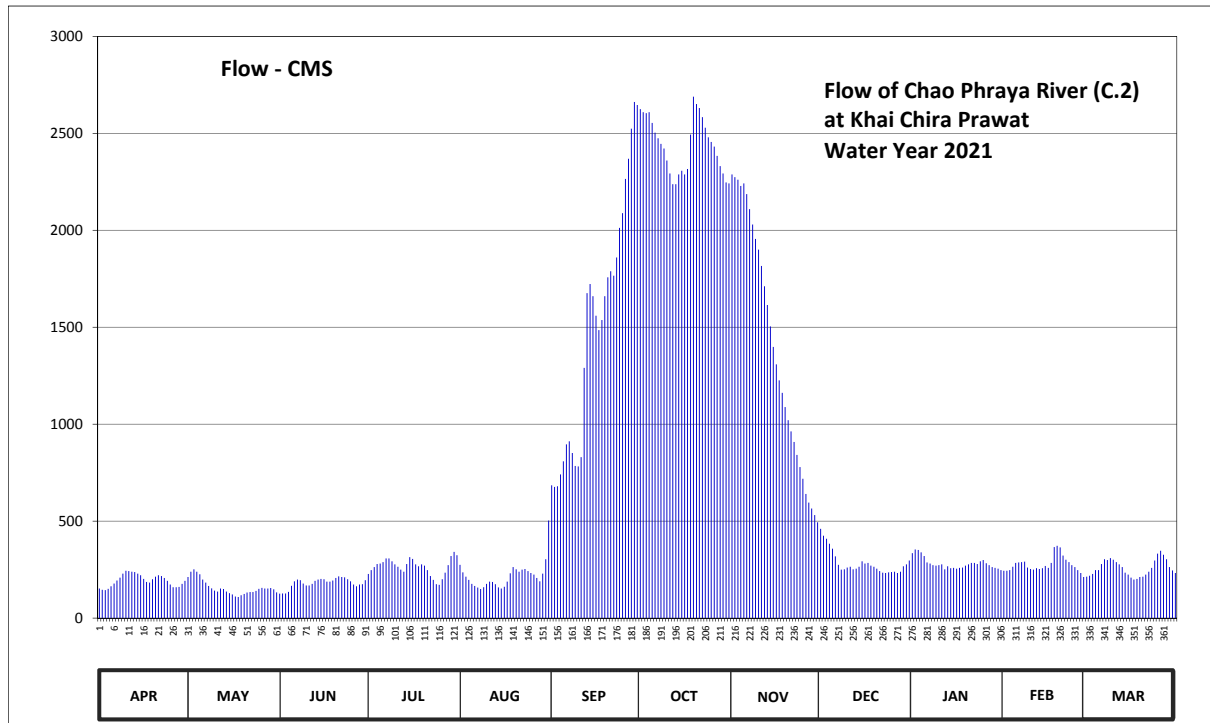
Lat 15 - 40 - 14 N Long 100 - 06 - 34 E

Location : on left bank at Ban Phai Lom

	Ban Phai Lom	Amphoe Mueang	Changwat Nakhon Sawan
Drainage 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 56 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	16.77	17.16	16.55	17.25	17.51	19.24	24.36	23.67	18.36	17.80	17.35	17.17	
2	16.72	17.32	16.56	17.37	17.30	19.21	24.33	23.64	18.21	17.89	17.35	17.20	
3	16.70	17.39	16.56	17.45	17.17	19.22	24.32	23.61	18.14	17.88	17.37	17.25	
4	16.76	17.32	16.63	17.53	17.07	19.44	24.33	23.54	18.03	17.82	17.46	17.37	
5	16.87	17.24	16.89	17.54	16.95	19.67	24.22	23.57	17.91	17.73	17.56	17.37	
6	16.96	17.08	17.03	17.58	16.88	19.95	24.12	23.45	17.72	17.57	17.57	17.53	
7	17.05	16.99	17.08	17.67	16.81	20.00	24.06	23.27	17.51	17.54	17.58	17.65	
8	17.14	16.88	17.06	17.67	16.75	19.81	24.00	23.08	17.38	17.50	17.59	17.63	
9	17.26	16.78	16.96	17.60	16.83	19.59	23.95	22.90	17.39	17.49	17.44	17.68	
10	17.35	16.68	16.90	17.52	16.95	19.58	23.82	22.76	17.44	17.50	17.40	17.64	
11	17.34	16.64	16.90	17.46	17.02	19.74	23.68	22.55	17.46	17.52	17.38	17.58	
12	17.32	16.77	16.95	17.38	17.01	21.14	23.56	22.28	17.39	17.39	17.42	17.52	
13	17.31	16.75	17.04	17.32	16.94	22.19	23.56	22.03	17.41	17.47	17.40	17.45	
14	17.26	16.64	17.08	17.53	16.82	22.31	23.67	21.73	17.46	17.42	17.42	17.29	
15	17.21	16.57	17.10	17.70	16.77	22.15	23.71	21.44	17.60	17.43	17.48	17.23	
16	17.10	16.52	17.09	17.66	16.85	21.88	23.67	21.19	17.54	17.41	17.43	17.14	
17	17.01	16.41	17.02	17.52	17.02	21.68	23.73	20.96	17.56	17.43	17.56	17.08	
18	16.99	16.39	17.02	17.47	17.27	21.82	24.10	20.77	17.49	17.44	17.95	17.10	
19	17.09	16.48	17.05	17.52	17.45	22.15	24.48	20.55	17.46	17.49	17.98	17.16	
20	17.17	16.54	17.13	17.49	17.39	22.40	24.41	20.34	17.41	17.52	17.94	17.17	
21	17.21	16.60	17.18	17.37	17.32	22.48	24.37	20.16	17.34	17.56	17.74	17.23	
22	17.19	16.62	17.16	17.19	17.38	22.42	24.28	19.99	17.29	17.56	17.64	17.32	
23	17.13	16.62	17.15	17.07	17.40	22.66	24.17	19.78	17.28	17.53	17.58	17.43	
24	17.04	16.67	17.09	16.94	17.34	23.04	24.07	19.57	17.30	17.60	17.50	17.62	
25	16.93	16.76	17.03	16.92	17.28	23.22	24.02	19.36	17.31	17.63	17.45	17.79	
26	16.83	16.80	16.93	17.09	17.23	23.62	23.97	19.07	17.32	17.55	17.37	17.86	
27	16.83	16.77	16.87	17.29	17.13	23.84	23.87	18.90	17.28	17.50	17.28	17.76	
28	16.84	16.77	16.93	17.50	17.03	24.16	23.76	18.78	17.32	17.45	17.16	17.65	
29	16.95	16.79	16.94	17.73	17.26	24.43	23.68	18.65	17.47	17.43		17.45	
30	17.04	16.74	17.06	17.83	17.65	24.40	23.58	18.50	17.52	17.41		17.36	
31		16.61		17.75	18.54		23.57		17.62	17.37		17.28	
Mean	17.05	16.78	16.96	17.45	17.17	21.58	23.98	21.34	17.55	17.54	17.51	17.42	
Max	17.35	17.39	17.18	17.83	18.54	24.43	24.48	23.67	18.36	17.89	17.98	17.86	24.48
Min	16.70	16.39	16.55	16.92	16.75	19.21	23.56	18.50	17.28	17.37	17.16	17.08	16.39
Annual Max Momentary Gage Height	24.50		m. (MSL.) ,			at 13.00 Hours , on Oct 19, 2021							
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, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	152.40	212.20	126.00	227.50	275.00	685.20	2625.20	2288.20	460.40	335.00	244.50	213.90		
	2	146.40	239.40	127.20	247.90	236.00	676.80	2609.60	2274.40	425.30	353.90	244.50	219.00		
	3	144.00	251.30	127.20	263.00	213.90	679.60	2604.40	2260.60	409.20	351.80	247.90	227.50		
	4	151.20	239.40	135.60	279.00	196.90	741.20	2609.60	2228.40	383.90	339.20	265.00	247.90		
	5	164.40	225.80	166.80	281.00	176.50	809.00	2554.00	2242.20	358.10	320.30	285.00	247.90		
	6	178.20	198.60	190.10	289.00	165.60	896.00	2504.00	2187.00	318.20	287.00	287.00	279.00		
	7	193.50	183.30	198.60	307.70	157.20	912.00	2474.80	2109.40	275.00	281.00	289.00	303.50		
	8	208.80	165.60	195.20	307.70	150.00	851.20	2446.00	2029.60	249.60	273.00	291.00	299.30		
	9	229.20	153.60	178.20	293.00	159.60	785.00	2422.00	1956.00	251.30	271.00	261.00	309.80		
	10	244.50	141.60	168.00	277.00	176.50	782.00	2359.60	1900.00	261.00	273.00	253.00	301.40		
	11	242.80	136.80	168.00	265.00	188.40	830.00	2292.80	1816.50	265.00	277.00	249.60	289.00		
	12	239.40	152.40	176.50	249.60	186.70	1290.40	2237.60	1711.20	251.30	251.30	257.00	277.00		
	13	237.70	150.00	191.80	239.40	174.80	1676.10	2237.60	1615.10	255.00	267.00	253.00	263.00		
	14	229.20	136.80	198.60	279.00	158.40	1722.90	2288.20	1504.10	265.00	257.00	257.00	234.30		
	15	220.70	128.40	202.00	314.00	152.40	1660.50	2306.80	1398.40	293.00	259.00	269.00	224.10		
	16	202.00	122.40	200.30	305.60	162.00	1559.60	2288.20	1308.40	281.00	255.00	259.00	208.80		
	17	186.70	111.00	188.40	277.00	188.40	1485.60	2316.40	1226.40	285.00	259.00	285.00	198.60		
	18	183.30	109.00	188.40	267.00	230.90	1537.40	2494.00	1161.80	271.00	261.00	366.50	202.00		
	19	200.30	118.00	193.50	277.00	263.00	1660.50	2689.20	1088.00	265.00	271.00	372.80	212.20		
	20	213.90	124.80	207.10	271.00	251.30	1758.00	2651.40	1020.80	255.00	277.00	364.40	213.90		
	21	220.70	132.00	215.60	247.90	239.40	1789.20	2630.40	963.20	242.80	285.00	322.40	224.10		
	22	217.30	134.40	212.20	217.30	249.60	1765.80	2584.00	908.80	234.30	285.00	301.40	239.40		
	23	207.10	134.40	210.50	196.90	253.00	1860.00	2529.00	842.00	232.60	279.00	289.00	259.00		
	24	191.80	140.40	200.30	174.80	242.80	2012.80	2479.60	779.00	236.00	293.00	273.00	297.20		
	25	173.10	151.20	190.10	171.40	232.60	2088.40	2455.60	718.80	237.70	299.30	263.00	332.90		
	26	159.60	156.00	173.10	200.30	224.10	2265.20	2431.60	640.20	239.40	283.00	247.90	347.60		
	27	159.60	152.40	164.40	234.30	207.10	2369.20	2383.60	596.00	232.60	273.00	232.60	326.60		
	28	160.80	152.40	173.10	273.00	190.10	2524.00	2330.80	564.80	239.40	263.00	212.20	303.50		
	29	176.50	154.80	174.80	320.30	229.20	2662.20	2292.80	531.00	267.00	259.00		263.00		
	30	191.80	148.80	195.20	341.30	303.50	2646.00	2246.80	494.00	277.00	255.00		246.20		
	31		133.20		324.50	503.60		2242.20		297.20	247.90		232.60		
Total		5826.90	4890.40	5436.80	8219.40	6738.50	44981.80	75617.80	42364.30	8814.30	8741.70	7742.70	8044.20	227418.80	CMSDAY
Mean		194.23	157.75	181.23	265.14	217.37	1499.39	2439.28	1412.14	284.33	281.99	276.52	259.49	623.07	CMS
Max		244.50	251.30	215.60	341.30	503.60	2662.20	2689.20	2288.20	460.40	353.90	372.80	347.60	2689.20	CMS
Min		144.00	109.00	126.00	171.40	150.00	676.80	2237.60	494.00	232.60	247.90	212.20	198.60	109.00	CMS
Runoff		503.44	422.53	469.74	710.16	582.21	3886.43	6533.38	3660.28	761.56	755.28	668.97	695.02	19648.98	MCM
Momentary Peak		2700.00 CMS. at 24.50 m. (MSL.) at 13.00 Hours , on Oct 19, 2021													
Runoff Yield		5.68	Liters/Second/Square KM.			Momentary Peak Yield			24.59	Liters/Second/Square KM.					

WATER YEAR : 2021

CHAO PHRAYA RIVER BASIN

Chao Phraya River at Ban Bang Phutsa, Sing Buri (C.3)

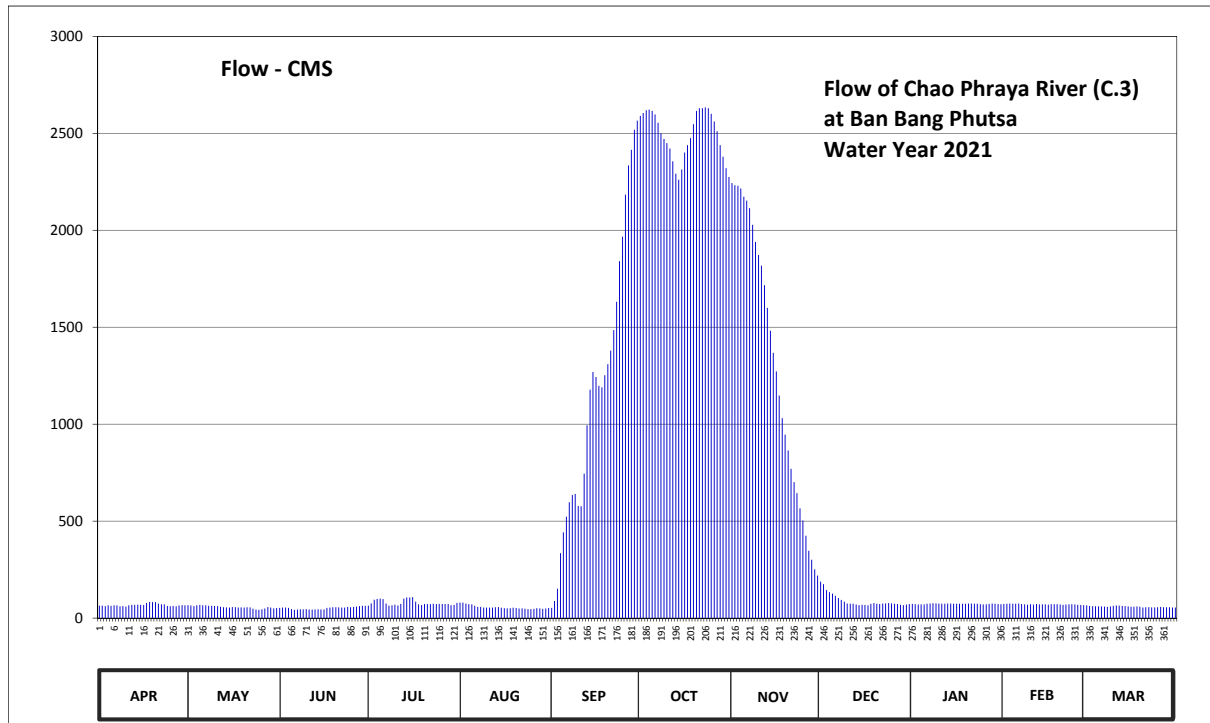
Lat 14 - 53 - 55 N Long 100 - 24 - 07 E

Location : on right bank at Ban Bang Phutsa

	Ban Bang Phutsa	Amphoe Mueang	Changwat Sing Buri
Drainge 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 29 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.86	1.90	1.68	1.86	2.08	1.68	12.59	11.61	3.23	1.99	1.99	1.88	
2	1.86	1.87	1.71	2.03	2.08	2.20	12.63	11.58	3.12	1.97	2.00	1.84	
3	1.83	1.83	1.70	2.28	2.02	2.91	12.67	11.57	2.84	1.94	2.01	1.82	
4	1.89	1.88	1.68	2.33	1.97	4.28	12.68	11.53	2.73	1.95	2.00	1.81	
5	1.85	1.92	1.57	2.35	1.96	4.94	12.66	11.41	2.65	1.96	2.00	1.82	
6	1.89	1.89	1.50	2.32	1.85	5.38	12.61	11.35	2.52	2.00	2.01	1.80	
7	1.88	1.88	1.52	2.01	1.76	5.78	12.49	11.24	2.39	2.02	1.98	1.79	
8	1.82	1.85	1.55	1.86	1.76	5.98	12.34	10.99	2.27	2.04	1.96	1.76	
9	1.83	1.85	1.55	1.89	1.71	6.01	12.26	10.73	2.16	2.03	1.93	1.80	
10	1.79	1.84	1.57	1.93	1.70	5.68	12.20	10.53	2.01	2.02	1.97	1.85	
11	1.89	1.83	1.54	1.87	1.71	5.67	12.12	10.36	2.00	2.00	1.94	1.87	
12	1.92	1.77	1.52	1.99	1.71	6.51	11.93	10.05	2.00	2.00	1.98	1.86	
13	1.92	1.74	1.53	2.35	1.73	7.57	11.75	9.68	1.94	2.01	1.96	1.84	
14	1.93	1.72	1.55	2.42	1.75	8.25	11.66	9.29	1.90	2.01	1.95	1.83	
15	1.92	1.71	1.53	2.42	1.69	8.57	11.81	8.91	1.92	2.00	1.95	1.80	
16	1.91	1.75	1.54	2.44	1.65	8.48	12.06	8.58	1.91	2.00	1.93	1.78	
17	2.06	1.73	1.68	2.16	1.64	8.32	12.17	8.14	1.89	2.00	1.97	1.77	
18	2.13	1.70	1.71	1.95	1.65	8.29	12.27	7.71	1.99	2.00	1.97	1.80	
19	2.12	1.72	1.74	1.91	1.69	8.51	12.47	7.38	2.05	2.00	1.97	1.78	
20	2.12	1.71	1.74	1.98	1.66	8.71	12.66	7.04	2.00	2.01	1.94	1.70	
21	2.01	1.73	1.72	1.98	1.62	8.95	12.70	6.62	1.98	2.02	1.92	1.73	
22	1.96	1.72	1.71	1.97	1.64	9.30	12.70	6.31	2.01	2.00	1.94	1.73	
23	1.95	1.61	1.71	2.00	1.61	9.78	12.71	6.03	2.03	2.00	1.96	1.72	
24	1.84	1.53	1.76	1.98	1.57	10.43	12.70	5.61	2.05	1.97	1.97	1.72	
25	1.82	1.51	1.74	1.99	1.56	10.81	12.62	5.27	2.03	1.96	1.95	1.74	
26	1.84	1.55	1.76	1.98	1.60	11.44	12.51	4.84	2.00	1.96	1.92	1.76	
27	1.82	1.63	1.79	1.98	1.65	11.87	12.37	4.36	1.98	1.99	1.91	1.74	
28	1.87	1.75	1.83	1.98	1.64	12.10	12.17	4.07	1.92	2.01	1.90	1.74	
29	1.90	1.70	1.85	1.90	1.60	12.39	12.00	3.72	1.90	2.00		1.73	
30	1.88	1.64	1.85	1.92	1.62	12.52	11.83	3.47	1.94	1.98		1.71	
31		1.67		2.06	1.66		11.70		1.98	1.97		1.70	
Mean	1.91	1.75	1.66	2.07	1.73	7.78	12.32	8.33	2.17	1.99	1.96	1.78	
Max	2.13	1.92	1.85	2.44	2.08	12.52	12.71	11.61	3.23	2.04	2.01	1.88	12.71
Min	1.79	1.51	1.50	1.86	1.56	1.68	11.66	3.47	1.89	1.94	1.90	1.70	1.50
Annual Max Momentary Gage Height	12.72		m. (MSL.) ,				at 09.00 Hours , on Oct 23, 2021						
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	64.20	67.00	52.80	64.20	79.60	52.80	2590.40	2243.50	187.90	73.30	73.30	65.60		
2	64.20	64.90	54.60	76.10	79.60	88.00	2604.80	2233.00	175.20	71.90	74.00	62.80		
3	62.10	62.10	54.00	94.80	75.40	152.10	2619.20	2229.50	144.40	69.80	74.70	61.40		
4	66.30	65.60	52.80	99.05	71.90	334.80	2622.80	2215.50	133.70	70.50	74.00	60.70		
5	63.50	68.40	46.35	100.75	71.20	442.50	2615.60	2173.50	126.50	71.20	74.00	61.40		
6	66.30	66.30	42.50	98.20	63.50	523.30	2597.60	2152.50	115.20	74.00	74.70	60.00		
7	65.60	65.60	43.60	74.70	57.60	597.30	2554.40	2114.00	104.15	75.40	72.60	59.40		
8	61.40	63.50	45.25	64.20	57.60	634.30	2500.40	2028.60	93.95	76.80	71.20	57.60		
9	62.10	63.50	45.25	66.30	54.60	640.05	2471.60	1940.20	85.20	76.10	69.10	60.00		
10	59.40	62.80	46.35	69.10	54.00	578.80	2450.00	1873.25	74.70	75.40	71.90	63.50		
11	66.30	62.10	44.70	64.90	54.60	576.95	2422.00	1818.00	74.00	74.00	69.80	64.90		
12	68.40	58.20	43.60	73.30	54.60	744.75	2355.50	1717.25	74.00	74.00	72.60	64.20		
13	68.40	56.40	44.15	100.75	55.80	994.35	2292.50	1600.20	69.80	74.70	71.20	62.80		
14	69.10	55.20	45.25	106.70	57.00	1178.25	2261.00	1482.00	67.00	74.70	70.50	62.10		
15	68.40	54.60	44.15	106.70	53.40	1269.45	2313.50	1368.00	68.40	74.00	70.50	60.00		
16	67.70	57.00	44.70	108.40	51.00	1243.80	2401.00	1272.30	67.70	74.00	69.10	58.80		
17	78.20	55.80	52.80	85.20	50.40	1198.20	2439.50	1147.80	66.30	74.00	71.90	58.20		
18	83.10	54.00	54.60	70.50	51.00	1189.65	2475.20	1031.70	73.30	74.00	71.90	60.00		
19	82.40	55.20	56.40	67.70	53.40	1252.35	2547.20	946.20	77.50	74.00	71.90	58.80		
20	82.40	54.60	56.40	72.60	51.60	1309.35	2615.60	864.60	74.00	74.70	69.80	54.00		
21	74.70	55.80	55.20	72.60	49.20	1380.00	2630.00	769.50	72.60	75.40	68.40	55.80		
22	71.20	55.20	54.60	71.90	50.40	1485.00	2630.00	701.55	74.70	74.00	69.80	55.80		
23	70.50	48.60	54.60	74.00	48.60	1631.70	2633.60	644.15	76.10	74.00	71.20	55.20		
24	62.80	44.15	57.60	72.60	46.35	1840.75	2630.00	565.85	77.50	71.90	71.90	55.20		
25	61.40	43.05	56.40	73.30	45.80	1967.40	2601.20	502.95	76.10	71.20	70.50	56.40		
26	62.80	45.25	57.60	72.60	48.00	2184.00	2561.60	425.00	74.00	71.20	68.40	57.60		
27	61.40	49.80	59.40	72.60	51.00	2334.50	2511.20	347.60	72.60	73.30	67.70	56.40		
28	64.90	57.00	62.10	72.60	50.40	2415.00	2439.50	301.20	68.40	74.70	67.00	56.40		
29	67.00	54.00	63.50	67.00	48.00	2518.40	2380.00	251.60	67.00	74.00		55.80		
30	65.60	50.40	63.50	68.40	49.20	2565.20	2320.50	219.10	69.80	72.60		54.60		
31		52.20		78.20	51.60		2275.00		72.60	71.90		54.00		
Total	2031.80	1768.25	1554.75	2459.95	1736.35	35323.00	77362.40	39180.10	2754.30	2280.70	1993.60	1829.40	170274.60	CMSDAY
Mean	67.73	57.04	51.82	79.35	56.01	1177.43	2495.56	1306.00	88.85	73.57	71.20	59.01	466.51	CMS
Max	83.10	68.40	63.50	108.40	79.60	2565.20	2633.60	2243.50	187.90	76.80	74.70	65.60	2633.60	CMS
Min	59.40	43.05	42.50	64.20	45.80	52.80	2261.00	219.10	66.30	69.80	67.00	54.00	42.50	CMS
Runoff	175.55	152.78	134.33	212.54	150.02	3051.91	6684.11	3385.16	237.97	197.05	172.25	158.06	14711.73	MCM
Momentary Peak	2637.20 CMS. at 12.72 m. (MSL.) at 09:00 Hours , on Oct 23, 2021													
Runoff Yield	3.99 Liters/Second/Square KM.			Momentary Peak Yield			22.57 Liters/Second/Square KM.							

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.85	1.09	0.75	0.51	0.54	0.82	9.20	8.46	1.70	1.12	0.96	0.94	
2	0.90	1.02	0.69	0.53	0.51	0.92	9.23	8.41	1.76	1.07	0.99	0.86	
3	0.83	1.14	0.60	0.57	0.56	1.10	9.28	8.41	1.68	1.01	1.02	0.79	
4	0.89	1.06	0.51	0.64	0.58	1.53	9.28	8.39	1.52	1.02	0.96	0.81	
5	0.92	0.98	0.41	0.76	0.57	2.15	9.26	8.30	1.49	0.98	1.05	0.82	
6	1.04	0.90	0.45	0.80	0.55	2.51	9.25	8.24	1.47	0.93	1.05	0.76	
7	0.80	0.85	0.40	0.65	0.54	2.80	9.18	8.18	1.41	0.93	0.89	0.77	
8	0.67	0.76	0.43	0.54	0.50	3.08	9.07	8.00	1.42	0.93	0.79	0.70	
9	0.66	0.79	0.54	0.61	0.45	3.18	9.01	7.79	1.32	0.82	0.83	0.86	
10	0.67	0.75	0.50	0.75	0.53	3.11	8.98	7.60	1.16	0.72	0.96	0.88	
11	0.76	0.80	0.43	0.81	0.67	2.97	8.92	7.46	1.19	0.70	0.91	0.90	
12	0.81	0.67	0.51	0.83	0.75	3.37	8.75	7.20	1.10	0.85	0.89	0.87	
13	0.93	0.82	0.62	0.79	0.71	4.17	8.60	6.88	0.92	0.96	0.84	0.89	
14	0.86	0.71	0.72	0.94	0.70	4.86	8.49	6.53	0.91	0.90	0.87	0.88	
15	0.92	0.86	0.65	0.80	0.74	5.28	8.56	6.17	0.94	0.88	0.90	0.77	
16	0.95	0.87	0.61	0.81	0.80	5.32	8.76	5.88	0.92	0.89	0.89	0.70	
17	0.98	0.84	0.60	0.72	0.66	5.19	8.88	5.53	0.96	0.88	0.88	0.67	
18	0.95	0.80	0.49	0.51	0.70	5.09	8.96	5.16	1.05	0.84	0.95	0.69	
19	0.93	0.70	0.45	0.53	0.72	5.25	9.09	4.89	1.09	0.85	0.98	0.70	
20	0.96	0.58	0.46	0.66	0.67	5.43	9.24	4.62	0.92	0.92	0.94	0.68	
21	0.91	0.52	0.46	0.82	0.70	5.65	9.29	4.30	0.88	0.97	0.94	0.86	
22	0.83	0.42	0.45	0.90	0.64	5.98	9.30	4.01	1.02	0.95	0.91	0.84	
23	0.72	0.37	0.61	0.78	0.57	6.39	9.31	3.77	1.06	0.91	0.95	0.81	
24	0.64	0.37	0.56	0.80	0.54	7.02	9.31	3.49	1.11	0.76	0.96	0.86	
25	0.57	0.45	0.61	0.75	0.64	7.40	9.26	3.20	0.98	0.67	1.10	0.88	
26	0.60	0.46	0.73	0.66	0.67	7.96	9.18	2.91	0.96	0.74	1.10	0.91	
27	0.65	0.59	0.80	0.67	0.79	8.41	9.09	2.59	0.87	0.84	1.08	0.84	
28	0.80	0.83	0.78	0.62	0.89	8.67	8.94	2.31	0.71	0.92	1.01	0.75	
29	0.89	0.78	0.66	0.54	0.81	8.92	8.80	2.08	0.72	0.90		0.65	
30	0.96	0.99	0.50	0.53	0.80	9.11	8.67	1.87	0.93	0.86		0.65	
31		0.87		0.51	0.85		8.56		1.10	0.87		0.62	
Mean	0.83	0.76	0.57	0.69	0.66	4.79	9.02	5.75	1.14	0.89	0.95	0.79	
Max	1.04	1.14	0.80	0.94	0.89	9.11	9.31	8.46	1.76	1.12	1.10	0.94	9.31
Min	0.57	0.37	0.40	0.51	0.45	0.82	8.49	1.87	0.71	0.67	0.79	0.62	0.37
Annual Max Momentary Gage Height	9.32		m. (MSL.) , at 24.00 Hours , on Oct 23, 2021										
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										

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	122.50	153.70	109.50	78.30	82.20	118.60	2451.00	2174.20	245.00	158.00	136.80	134.20	
2	129.00	144.60	101.70	80.90	78.30	131.60	2462.40	2155.70	255.20	151.10	140.70	123.80	
3	119.90	161.00	90.00	86.10	84.80	155.00	2481.40	2155.70	242.00	143.30	144.60	114.70	
4	127.70	149.80	78.30	95.20	87.40	219.50	2481.40	2148.50	218.00	144.60	136.80	117.30	
5	131.60	139.40	65.30	110.80	86.10	327.00	2473.80	2117.00	213.50	139.40	148.50	118.60	
6	147.20	129.00	70.50	116.00	83.50	402.10	2470.00	2096.00	210.50	132.90	148.50	110.80	
7	116.00	122.50	64.00	96.50	82.20	465.00	2443.40	2075.20	201.50	132.90	127.70	112.10	
8	99.10	110.80	67.90	82.20	77.00	529.40	2401.60	2014.00	203.00	132.90	114.70	103.00	
9	97.80	114.70	82.20	91.30	70.50	552.40	2378.80	1942.60	188.00	118.60	119.90	123.80	
10	99.10	109.50	77.00	109.50	80.90	536.30	2367.40	1878.00	164.00	105.60	136.80	126.40	
11	110.80	116.00	67.90	117.30	99.10	504.10	2344.60	1830.40	168.50	103.00	130.30	129.00	
12	117.30	99.10	78.30	119.90	109.50	597.80	2281.50	1742.00	155.00	122.50	127.70	125.10	
13	132.90	118.60	92.60	114.70	104.30	799.20	2226.00	1633.20	131.60	136.80	121.20	127.70	
14	123.80	104.30	105.60	134.20	103.00	993.00	2185.30	1519.60	130.30	129.00	125.10	126.40	
15	131.60	123.80	96.50	116.00	108.20	1120.80	2211.20	1404.40	134.20	126.40	129.00	112.10	
16	135.50	125.10	91.30	117.30	116.00	1133.20	2285.20	1311.60	131.60	127.70	127.70	103.00	
17	139.40	121.20	90.00	105.60	97.80	1092.90	2329.60	1199.60	136.80	126.40	126.40	99.10	
18	135.50	116.00	75.70	78.30	103.00	1062.00	2359.80	1083.60	148.50	121.20	135.50	101.70	
19	132.90	103.00	70.50	80.90	105.60	1111.50	2409.20	1002.00	153.70	122.50	139.40	103.00	
20	136.80	87.40	71.80	97.80	99.10	1167.60	2466.20	924.60	131.60	131.60	134.20	100.40	
21	130.30	79.60	71.80	118.60	103.00	1238.00	2485.20	835.00	126.40	138.10	134.20	123.80	
22	119.90	66.60	70.50	129.00	95.20	1343.60	2489.00	757.60	144.60	135.50	130.30	121.20	
23	105.60	60.40	91.30	113.40	86.10	1474.80	2492.80	695.20	149.80	130.30	135.50	117.30	
24	95.20	60.40	84.80	116.00	82.20	1680.80	2492.80	626.60	156.50	110.80	136.80	123.80	
25	86.10	70.50	91.30	109.50	95.20	1810.00	2473.80	557.00	139.40	99.10	155.00	126.40	
26	90.00	71.80	106.90	97.80	99.10	2000.40	2443.40	490.30	136.80	108.20	155.00	130.30	
27	96.50	88.70	116.00	99.10	114.70	2155.70	2409.20	418.90	125.10	121.20	152.40	121.20	
28	116.00	119.90	113.40	92.60	127.								

WATER YEAR : 2021

CHAO PHRAYA RIVER BASIN

Chao Phraya River at Ban Bang Luang, Chai Nat (C.13)

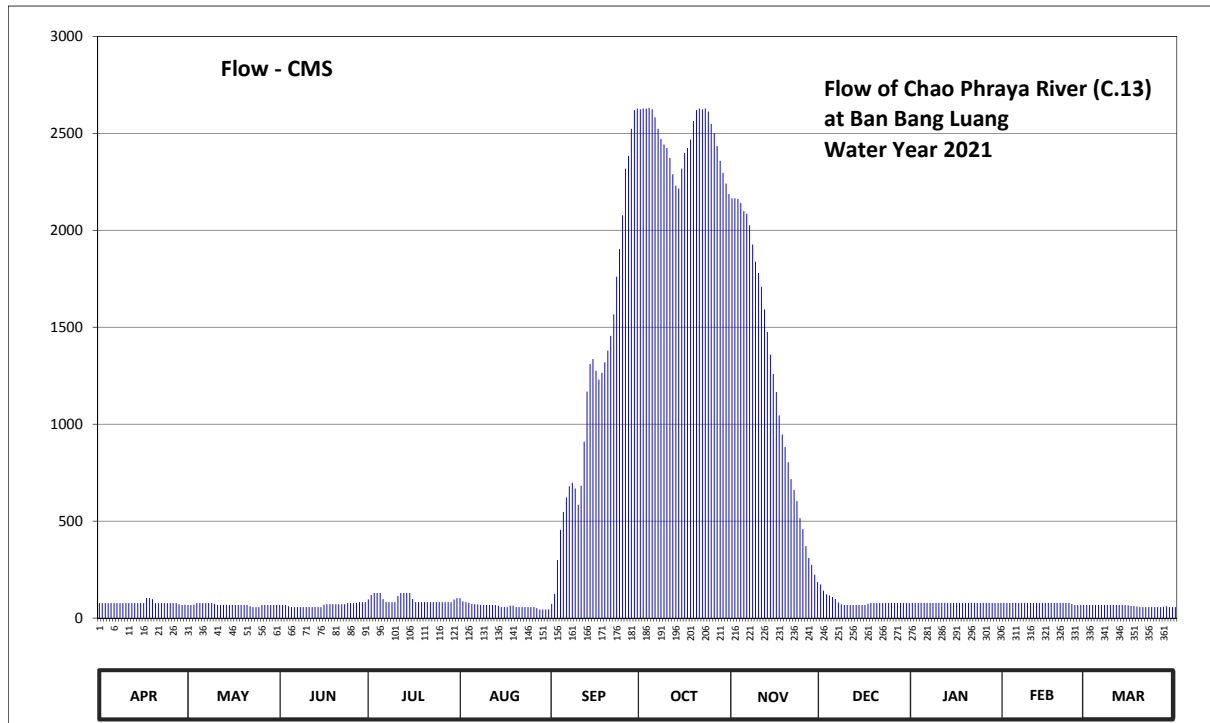
Lat 15 - 09 - 50 N Long 100 - 11 - 17 E

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.			
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 46 discharge measurements made in 2021.			

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.54	5.44	5.44	5.72	5.78	5.50	16.18	14.93	6.39	5.55	5.55	5.44	
2	5.54	5.44	5.44	5.94	5.63	5.99	16.19	14.93	6.12	5.55	5.55	5.44	
3	5.54	5.46	5.44	6.03	5.59	7.32	16.19	14.92	5.97	5.55	5.55	5.44	
4	5.54	5.54	5.36	6.03	5.56	8.30	16.20	14.86	5.92	5.55	5.55	5.44	
5	5.54	5.54	5.31	6.03	5.50	8.81	16.18	14.74	5.84	5.55	5.55	5.44	
6	5.54	5.54	5.31	5.74	5.49	9.21	16.07	14.70	5.74	5.55	5.55	5.44	
7	5.54	5.54	5.31	5.59	5.48	9.51	15.91	14.53	5.57	5.55	5.55	5.44	
8	5.54	5.54	5.31	5.59	5.44	9.60	15.77	14.24	5.48	5.55	5.55	5.44	
9	5.54	5.54	5.31	5.59	5.44	9.45	15.69	13.98	5.44	5.55	5.55	5.44	
10	5.54	5.50	5.31	5.59	5.44	9.01	15.64	13.80	5.44	5.55	5.55	5.44	
11	5.54	5.44	5.31	5.89	5.44	9.52	15.50	13.58	5.44	5.55	5.55	5.44	
12	5.54	5.44	5.31	6.03	5.44	10.61	15.27	13.21	5.44	5.55	5.55	5.44	
13	5.54	5.44	5.31	6.03	5.44	11.71	15.11	12.83	5.44	5.55	5.55	5.44	
14	5.54	5.46	5.31	6.03	5.39	12.25	15.07	12.42	5.44	5.55	5.55	5.44	
15	5.54	5.44	5.31	6.03	5.31	12.34	15.35	12.06	5.44	5.55	5.55	5.42	
16	5.54	5.44	5.45	5.74	5.31	12.12	15.57	11.70	5.44	5.55	5.55	5.38	
17	5.78	5.44	5.49	5.59	5.31	11.95	15.64	11.21	5.50	5.55	5.55	5.38	
18	5.78	5.44	5.49	5.59	5.40	12.08	15.76	10.78	5.55	5.55	5.55	5.35	
19	5.73	5.44	5.49	5.59	5.40	12.28	16.02	10.48	5.55	5.55	5.55	5.31	
20	5.54	5.44	5.49	5.59	5.31	12.50	16.17	10.11	5.55	5.55	5.55	5.31	
21	5.54	5.44	5.49	5.59	5.31	12.76	16.19	9.69	5.55	5.55	5.55	5.31	
22	5.54	5.36	5.49	5.59	5.31	13.13	16.18	9.41	5.55	5.55	5.55	5.31	
23	5.54	5.31	5.49	5.59	5.31	13.74	16.19	9.11	5.55	5.55	5.55	5.31	
24	5.54	5.31	5.54	5.59	5.31	14.17	16.15	8.64	5.55	5.55	5.50	5.31	
25	5.54	5.31	5.54	5.59	5.31	14.68	15.98	8.32	5.55	5.55	5.44	5.31	
26	5.54	5.44	5.54	5.59	5.31	15.35	15.85	7.79	5.55	5.55	5.44	5.31	
27	5.54	5.44	5.55	5.59	5.25	15.53	15.67	7.39	5.55	5.55	5.44	5.33	
28	5.48	5.44	5.59	5.59	5.17	15.91	15.46	7.15	5.55	5.55	5.44	5.36	
29	5.44	5.44	5.59	5.59	5.17	16.17	15.29	6.78	5.55	5.55		5.31	
30	5.46	5.44	5.59	5.71	5.17	16.19	15.14	6.49	5.55	5.55		5.31	
31		5.44		5.78	5.17		14.99		5.55	5.55		5.31	
Mean	5.55	5.45	5.43	5.73	5.38	11.59	15.76	11.49	5.60	5.55	5.53	5.38	
Max	5.78	5.54	5.59	6.03	5.78	16.19	16.20	14.93	6.39	5.55	5.55	5.44	16.20
Min	5.44	5.31	5.31	5.59	5.17	5.50	14.99	6.49	5.44	5.55	5.44	5.31	5.17
Annual Max Momentary Gage Height	16.25		m. (MSL.) ,			at 04.00 Hours , on Oct 1, 2021							
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, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	77.24	67.84	67.84	96.32	102.68	73.00	2624.04	2165.50	173.58	78.30	78.30	67.84		
	2	77.24	67.84	67.84	119.64	86.78	124.94	2627.82	2165.50	140.64	78.30	78.30	67.84		
	3	77.24	69.56	67.84	129.66	82.54	299.72	2627.82	2162.00	122.82	78.30	78.30	67.84		
	4	77.24	77.24	60.96	129.66	79.36	455.60	2631.60	2141.00	117.52	78.30	78.30	67.84		
	5	77.24	77.24	56.66	129.66	73.00	547.04	2624.04	2099.00	109.04	78.30	78.30	67.84		
	6	77.24	77.24	56.66	98.44	72.14	622.32	2582.46	2085.00	98.44	78.30	78.30	67.84		
	7	77.24	77.24	56.66	82.54	71.28	680.04	2523.06	2025.50	80.42	78.30	78.30	67.84		
	8	77.24	77.24	56.66	82.54	67.84	698.40	2471.82	1926.60	71.28	78.30	78.30	67.84		
	9	77.24	77.24	56.66	82.54	67.84	668.40	2442.54	1838.52	67.84	78.30	78.30	67.84		
	10	77.24	73.00	56.66	82.54	67.84	583.92	2424.24	1780.20	67.84	78.30	78.30	67.84		
	11	77.24	67.84	56.66	114.34	67.84	682.08	2373.00	1708.92	67.84	78.30	78.30	67.84		
	12	77.24	67.84	56.66	129.66	67.84	909.98	2288.82	1591.36	67.84	78.30	78.30	67.84		
	13	77.24	67.84	56.66	129.66	67.84	1168.76	2230.26	1475.70	67.84	78.30	78.30	67.84		
	14	77.24	69.56	56.66	129.66	63.54	1311.50	2215.62	1358.08	67.84	78.30	78.30	67.84		
	15	77.24	67.84	56.66	129.66	56.66	1336.16	2318.10	1259.44	67.84	78.30	78.30	66.12		
	16	77.24	67.84	68.70	98.44	56.66	1275.88	2398.62	1166.20	67.84	78.30	78.30	62.68		
	17	102.68	67.84	72.14	82.54	56.66	1230.20	2424.24	1045.40	73.00	78.30	78.30	62.68		
	18	102.68	67.84	72.14	82.54	64.40	1264.92	2468.16	947.04	78.30	78.30	78.30	60.10		
	19	97.38	67.84	72.14	82.54	64.40	1319.72	2563.56	881.76	78.30	78.30	78.30	56.66		
	20	77.24	67.84	72.14	82.54	56.66	1380.00	2620.26	803.32	78.30	78.30	78.30	56.66		
	21	77.24	67.84	72.14	82.54	56.66	1455.40	2627.82	716.76	78.30	78.30	78.30	56.66		
	22	77.24	60.96	72.14	82.54	56.66	1566.08	2624.04	660.72	78.30	78.30	78.30	56.66		
	23	77.24	56.66	72.14	82.54	56.66	1760.76	2627.82	603.12	78.30	78.30	78.30	56.66		
	24	77.24	56.66	77.24	82.54	56.66	1902.80	2612.70	515.76	78.30	78.30	73.00	56.66		
	25	77.24	56.66	77.24	82.54	56.66	2078.00	2548.68	459.04	78.30	78.30	67.84	56.66		
	26	77.24	67.84	77.24	82.54	56.66	2318.10	2501.10	371.24	78.30	78.30	67.84	56.66		
	27	77.24	67.84	78.30	82.54	51.50	2383.98	2435.22	309.94	78.30	78.30	67.84	58.38		
	28	71.28	67.84	82.54	82.54	44.62	2523.06	2358.36	274.90	78.30	78.30	67.84	60.96		
	29	67.84	67.84	82.54	82.54	44.62	2620.26	2296.14	223.96	78.30	78.30		56.66		
	30	69.56	67.84	82.54	95.26	44.62	2627.82	2241.24	185.78	78.30	78.30		56.66		
	31		67.84		102.68	44.62		2186.50		78.30	78.30		56.66		
Total		2365.18	2127.62	2019.06	3035.92	1963.74	37868.84	76539.70	36947.26	2625.66	2427.30	2145.26	1943.94	172009.48	CMSDAY
Mean		78.84	68.63	67.30	97.93	63.35	1262.29	2469.02	1231.58	84.70	78.30	76.62	62.71	471.26	CMS
Max		102.68	77.24	82.54	129.66	102.68	2627.82	2631.60	2165.50	173.58	78.30	78.30	67.84	2631.60	CMS
Min		67.84	56.66	56.66	82.54	44.62	73.00	2186.50	185.78	67.84	78.30	67.84	56.66	44.62	CMS
Runoff		204.35	183.83	174.45	262.30	169.67	3271.87	6613.03	3192.24	226.86	209.72	185.35	167.96	14861.62	MCM
Momentary Peak		2650.50 CMS. at 16.25 m. (MSL.) at 04.00 Hours , on Oct 1, 2021													
Runoff Yield		4.03 Liters/Second/Square KM.				Momentary Peak Yield				22.69 Liters/Second/Square KM.					

WATER YEAR : 2021

CHAO PHRAYA RIVER BASIN

Chao Phraya River at Ban Pom, Phra Nakhon Si Ayutthaya (C.35)

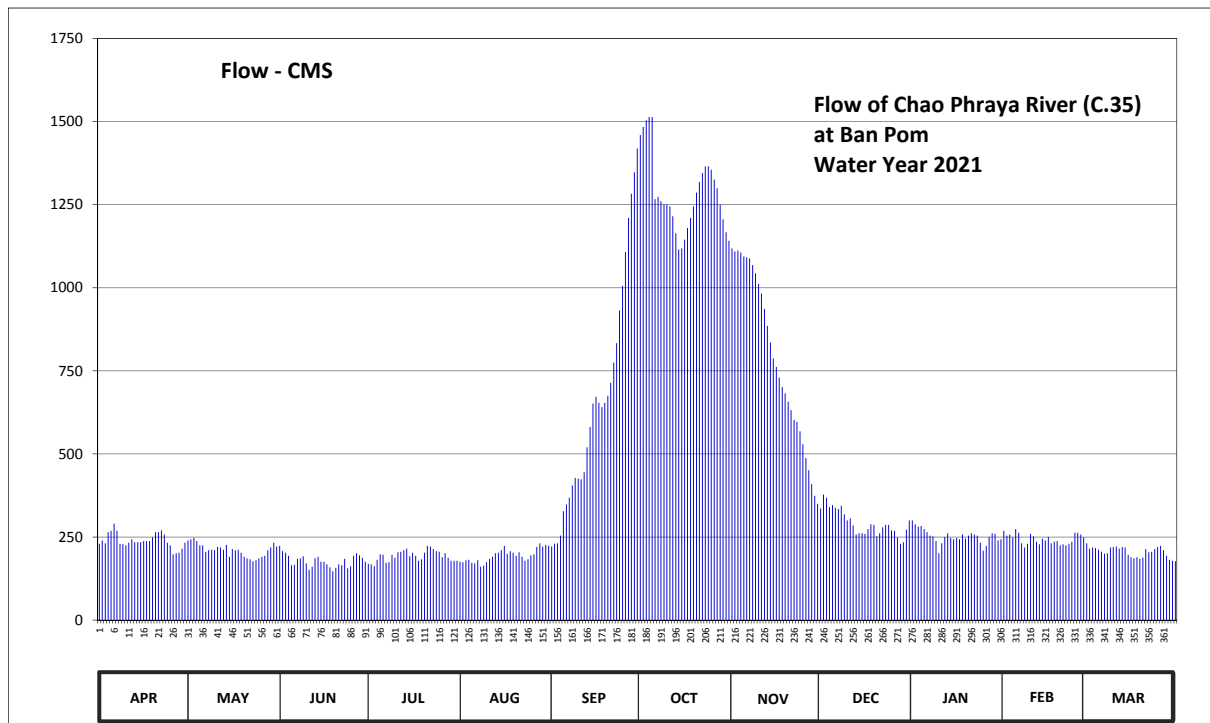
Lat 14 - 22 - 09 N Long 100 - 31 - 43 E

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 23 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.76	0.82	0.72	0.37	0.41	0.71	5.34	5.16	1.33	1.15	0.98	0.77	
2	0.82	0.84	0.62	0.36	0.40	0.76	5.41	5.13	1.54	1.09	0.90	0.67	
3	0.77	0.86	0.59	0.32	0.44	0.77	5.47	5.14	1.49	1.05	0.92	0.69	
4	0.96	0.81	0.53	0.45	0.45	0.90	5.50	5.12	1.35	1.06	0.87	0.68	
5	0.98	0.73	0.34	0.56	0.39	1.29	5.50	5.08	1.38	1.01	1.01	0.65	
6	1.10	0.73	0.35	0.55	0.38	1.39	5.51	5.07	1.34	0.96	0.95	0.61	
7	0.98	0.61	0.47	0.39	0.44	1.49	5.52	5.06	1.32	0.90	0.77	0.57	
8	0.76	0.64	0.48	0.40	0.31	1.67	5.50	4.99	1.37	0.89	0.69	0.58	
9	0.75	0.65	0.52	0.55	0.33	1.78	5.48	4.90	1.24	0.81	0.76	0.69	
10	0.73	0.64	0.38	0.49	0.40	1.77	5.48	4.78	1.15	0.58	0.93	0.70	
11	0.78	0.70	0.25	0.60	0.47	1.76	5.47	4.66	1.18	0.77	0.89	0.71	
12	0.84	0.69	0.31	0.61	0.51	1.86	5.41	4.45	1.07	0.88	0.80	0.67	
13	0.79	0.65	0.48	0.64	0.58	2.19	5.29	4.21	0.92	0.94	0.75	0.70	
14	0.79	0.74	0.51	0.67	0.59	2.45	5.15	3.96	0.94	0.86	0.85	0.69	
15	0.79	0.51	0.41	0.52	0.64	2.72	5.16	3.71	0.94	0.84	0.82	0.55	
16	0.81	0.66	0.41	0.59	0.72	2.80	5.24	3.56	0.93	0.86	0.88	0.50	
17	0.81	0.64	0.36	0.53	0.57	2.73	5.33	3.37	1.01	0.84	0.77	0.48	
18	0.81	0.65	0.30	0.43	0.62	2.68	5.40	3.20	1.09	0.92	0.80	0.50	
19	0.87	0.59	0.22	0.46	0.59	2.73	5.47	3.09	1.08	0.85	0.81	0.47	
20	0.96	0.51	0.29	0.59	0.53	2.81	5.54	2.94	0.89	0.90	0.73	0.49	
21	0.96	0.48	0.36	0.72	0.60	2.96	5.59	2.79	0.94	0.94	0.75	0.66	
22	0.99	0.46	0.34	0.71	0.51	3.18	5.62	2.62	1.04	0.92	0.73	0.60	
23	0.92	0.42	0.47	0.66	0.43	3.39	5.64	2.51	1.08	0.90	0.76	0.61	
24	0.78	0.44	0.28	0.62	0.46	3.72	5.64	2.40	1.08	0.78	0.80	0.66	
25	0.73	0.48	0.32	0.61	0.54	3.96	5.63	2.23	0.99	0.63	0.95	0.70	
26	0.56	0.51	0.53	0.50	0.56	4.28	5.60	2.05	0.98	0.72	0.95	0.72	
27	0.58	0.53	0.58	0.58	0.70	4.60	5.56	1.89	0.87	0.88	0.92	0.64	
28	0.59	0.64	0.54	0.49	0.77	4.82	5.48	1.69	0.76	0.94	0.87	0.53	
29	0.67	0.69	0.49	0.43	0.71	5.01	5.39	1.52	0.79	0.93		0.45	
30	0.78	0.78	0.41	0.43	0.74	5.22	5.30	1.40	1.00	0.82		0.43	
31		0.71		0.43	0.72		5.23		1.15	0.84		0.42	
Mean	0.81	0.64	0.43	0.52	0.53	2.61	5.45	3.62	1.10	0.89	0.84	0.61	
Max	1.10	0.86	0.72	0.72	0.77	5.22	5.64	5.16	1.54	1.15	1.01	0.77	5.64
Min	0.56	0.42	0.22	0.32	0.31	0.71	5.15	1.40	0.76	0.58	0.69	0.42	0.22
Annual Max Momentary Gage Height	5.66		m. (MSL.) ,			at 17.00 Hours ,	on Oct 23, 2021						
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					



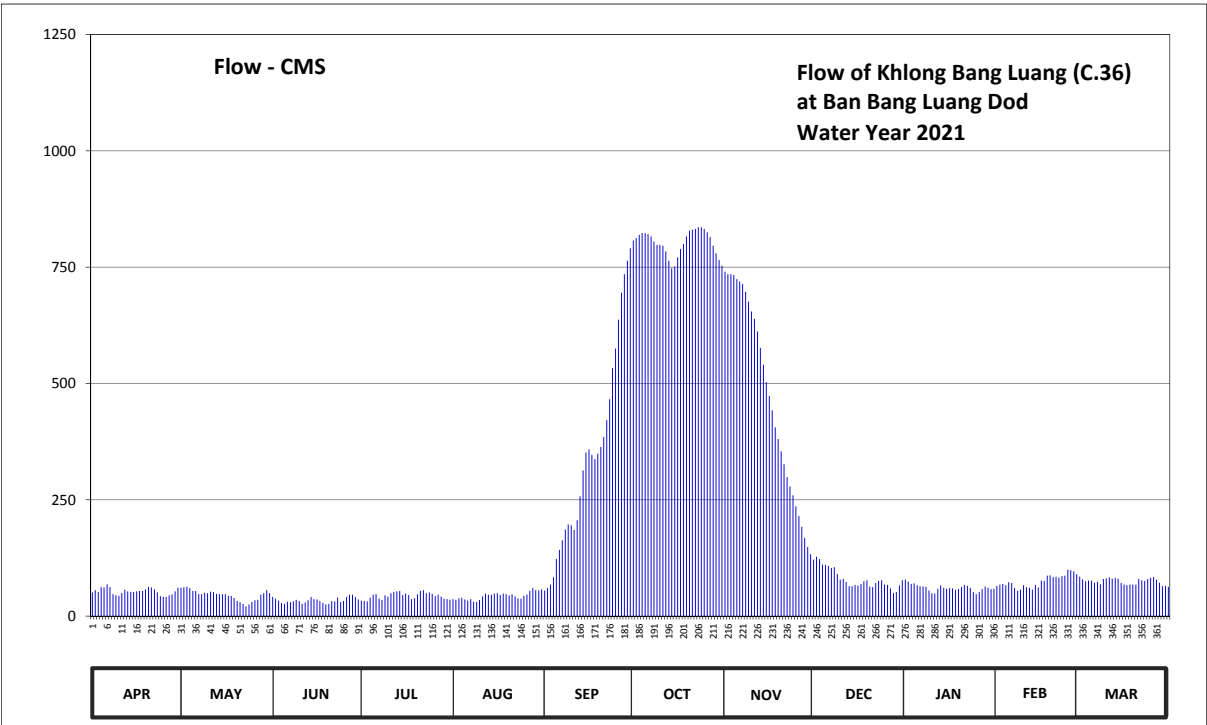
Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	229.60	239.60	223.20	169.50	175.50	221.60	1459.60	1118.00	336.00	300.00	268.40	231.20		
2	239.60	243.20	207.20	168.00	174.00	229.60	1483.40	1109.00	378.00	288.20	254.00	215.20		
3	231.20	246.80	202.50	162.00	180.00	231.20	1503.80	1112.00	368.00	281.00	257.60	218.40		
4	264.80	237.80	193.50	181.50	181.50	254.00	1514.00	1106.00	340.00	282.80	248.60	216.80		
5	268.40	224.80	165.00	198.00	172.50	328.00	1514.00	1094.20	346.00	273.80	273.80	212.00		
6	290.00	224.80	166.50	196.50	171.00	348.00	1266.50	1091.30	338.00	264.80	263.00	205.60		
7	268.40	205.60	184.50	172.50	180.00	368.00	1273.00	1088.40	334.00	254.00	231.20	199.50		
8	229.60	210.40	186.00	174.00	160.50	404.70	1260.00	1068.20	344.00	252.20	218.40	201.00		
9	228.00	212.00	192.00	196.50	163.50	427.80	1250.00	1043.00	318.00	237.80	229.60	218.40		
10	224.80	210.40	171.00	187.50	174.00	425.70	1250.00	1011.80	300.00	201.00	259.40	220.00		
11	232.80	220.00	151.50	204.00	184.50	423.60	1245.00	982.20	306.00	231.20	252.20	221.60		
12	243.20	218.40	160.50	205.60	190.50	444.60	1215.00	936.00	284.60	250.40	236.00	215.20		
13	234.40	212.00	186.00	210.40	201.00	519.70	1163.30	885.00	257.60	261.20	228.00	220.00		
14	234.40	226.40	190.50	215.20	202.50	581.00	1115.00	835.00	261.20	246.80	245.00	218.40		
15	234.40	190.50	175.50	192.00	210.40	651.20	1118.00	787.70	261.20	243.20	239.60	196.50		
16	237.80	213.60	175.50	202.50	223.20	672.00	1144.80	762.20	259.40	246.80	250.40	189.00		
17	237.80	210.40	168.00	193.50	199.50	653.80	1179.90	729.90	273.80	243.20	231.20	186.00		
18	237.80	212.00	159.00	178.50	207.20	640.80	1210.00	701.00	288.20	257.60	236.00	189.00		
19	248.60	202.50	147.00	183.00	202.50	653.80	1245.00	682.30	286.40	245.00	237.80	184.50		
20	264.80	190.50	157.50	202.50	193.50	674.60	1286.00	656.80	252.20	254.00	224.80	187.50		
21	264.80	186.00	168.00	223.20	204.00	713.60	1318.50	631.30	261.20	261.20	228.00	213.60		
22	270.20	183.00	165.00	221.60	190.50	774.40	1345.00	602.40	279.20	257.60	224.80	204.00		
23	257.60	177.00	184.50	213.60	178.50	833.20	1365.00	596.60	286.40	254.00	229.60	205.60		
24	232.80	180.00	156.00	207.20	183.00	932.00	1365.00	568.00	286.40	232.80	236.00	213.60		
25	224.80	186.00	162.00	205.60	195.00	1005.60	1355.00	528.90	270.20	208.80	263.00	220.00		
26	198.00	190.50	193.50	189.00	198.00	1107.60	1325.00	487.50	268.40	223.20	263.00	223.20		
27	201.00	193.50	201.00	201.00	220.00	1210.00	1299.00	450.90	248.60	250.40	257.60	210.40		
28	202.50	210.40	195.00	187.50	231.20	1282.80	1250.00	408.90	229.60	261.20	248.60	193.50		
29	215.20	218.40	187.50	178.50	221.60	1347.40	1205.70	374.00	234.40	259.40		181.50		
30	232.80	232.80	175.50	178.50	226.40	1418.80	1167.00	350.00	272.00	239.60		178.50		
31		221.60		178.50	223.20		1141.10		300.00	243.20		177.00		
Total	7180.10	6530.90	5350.40	5977.40	6018.70	19779.10	39832.60	23798.50	9069.00	7806.40	6835.60	6366.70	144545.40	CMSDAY
Mean	239.34	210.67	178.35	192.82	194.15	659.30	1284.92	793.28	292.55	251.82	244.13	205.38	396.01	CMS
Max	290.00	246.80	223.20	223.20	231.20	1418.80	1514.00	1118.00	378.00	300.00	273.80	231.20	1514.00	CMS
Min	198.00	177.00	147.00	162.00	160.50	221.60	1115.00	350.00	229.60	201.00	218.40	177.00	147.00	CMS
Runoff	620.36	564.27	462.27	516.45	520.02	1708.91	3441.54	2056.19	783.56	674.47	590.60	550.08	12488.72	MCM
Momentary Peak	1385.00 CMS. at 5.66 m. (MSL.) at 17.00 Hours , on Oct 23, 2021													
Runoff Yield	*****	Liters/Second/Square KM.			Momentary Peak Yield *****				Liters/Second/Square KM.					

Lat 14 - 24 - 57 N Long 100 - 26 - 27 E

	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 20 discharge measurements made in 2021.				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.28	0.44	0.12	-0.01	0.04	0.35	6.36	5.99	1.24	0.69	0.50	0.78	
2	0.36	0.46	0.06	-0.02	0.02	0.43	6.39	5.96	1.32	0.63	0.54	0.70	
3	0.29	0.47	-0.01	-0.04	0.07	0.54	6.43	5.96	1.26	0.56	0.56	0.64	
4	0.46	0.43	-0.10	0.09	0.09	0.76	6.45	5.95	1.11	0.58	0.52	0.66	
5	0.45	0.33	-0.13	0.20	0.03	1.26	6.45	5.90	1.10	0.52	0.61	0.66	
6	0.55	0.33	-0.05	0.22	-0.01	1.48	6.44	5.87	1.07	0.49	0.59	0.60	
7	0.46	0.22	-0.07	0.06	0.04	1.70	6.41	5.84	1.02	0.48	0.43	0.62	
8	0.22	0.22	-0.04	0.01	-0.05	1.93	6.35	5.74	1.04	0.47	0.34	0.55	
9	0.18	0.27	0.02	0.18	-0.06	2.04	6.31	5.61	0.86	0.35	0.38	0.71	
10	0.16	0.25	-0.03	0.13	0.01	2.02	6.31	5.48	0.69	0.25	0.52	0.73	
11	0.26	0.31	-0.14	0.25	0.14	1.92	6.30	5.38	0.71	0.24	0.46	0.76	
12	0.38	0.29	-0.08	0.29	0.24	2.13	6.23	5.21	0.62	0.41	0.44	0.72	
13	0.32	0.23	0.00	0.32	0.20	2.63	6.12	4.99	0.49	0.51	0.38	0.74	
14	0.30	0.22	0.12	0.33	0.20	3.11	6.03	4.75	0.49	0.44	0.53	0.72	
15	0.30	0.22	0.04	0.19	0.24	3.42	6.05	4.50	0.53	0.41	0.45	0.59	
16	0.32	0.22	0.03	0.24	0.25	3.47	6.16	4.30	0.51	0.43	0.66	0.54	
17	0.33	0.16	-0.03	0.19	0.19	3.38	6.26	4.08	0.56	0.42	0.65	0.52	
18	0.34	0.16	-0.09	0.04	0.24	3.31	6.32	3.82	0.64	0.38	0.81	0.54	
19	0.39	0.08	-0.16	0.07	0.22	3.40	6.41	3.64	0.67	0.40	0.82	0.54	
20	0.47	-0.02	-0.14	0.21	0.17	3.51	6.48	3.44	0.48	0.47	0.77	0.54	
21	0.45	-0.06	-0.03	0.34	0.21	3.67	6.49	3.22	0.46	0.53	0.78	0.71	
22	0.39	-0.14	-0.04	0.36	0.14	3.93	6.50	2.99	0.59	0.50	0.75	0.67	
23	0.28	-0.24	0.10	0.25	0.07	4.25	6.52	2.82	0.65	0.44	0.80	0.65	
24	0.15	-0.16	-0.07	0.28	0.06	4.70	6.52	2.65	0.67	0.29	0.81	0.71	
25	0.12	-0.06	-0.02	0.23	0.16	4.98	6.50	2.43	0.54	0.22	0.97	0.75	
26	0.12	0.00	0.12	0.15	0.20	5.37	6.46	2.22	0.53	0.30	0.96	0.77	
27	0.18	0.02	0.20	0.20	0.34	5.73	6.40	1.99	0.42	0.40	0.93	0.69	
28	0.21	0.20	0.20	0.13	0.43	5.96	6.30	1.75	0.26	0.48	0.85	0.60	
29	0.32	0.25	0.12	0.06	0.36	6.12	6.21	1.55	0.29	0.44		0.49	
30	0.44	0.36	0.03	0.04	0.35	6.27	6.13	1.38	0.51	0.40		0.50	
31		0.26		0.02	0.39		6.06		0.67	0.41		0.47	
Mean	0.32	0.18	0.00	0.16	0.16	3.13	6.33	4.18	0.71	0.44	0.64	0.64	
Max	0.55	0.47	0.20	0.36	0.43	6.27	6.52	5.99	1.32	0.69	0.97	0.78	



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	50.80	60.80	41.20	33.40	36.40	55.00	806.80	740.20	121.20	78.30	65.00	84.60		
2	55.60	62.20	37.60	32.80	35.20	60.10	812.20	734.80	127.80	74.10	67.80	79.00		
3	51.40	62.90	33.40	31.60	38.20	67.80	819.40	734.80	122.80	69.20	69.20	74.80		
4	62.20	60.10	28.00	39.40	39.40	83.20	823.00	733.00	110.80	70.60	66.40	76.20		
5	61.50	53.80	26.50	46.00	35.80	122.80	823.00	724.00	110.00	66.40	72.70	76.20		
6	68.50	53.80	31.00	47.20	33.40	142.20	821.20	718.90	107.60	64.30	71.30	72.00		
7	62.20	47.20	29.80	37.60	36.40	163.00	815.80	713.80	103.60	63.60	60.10	73.40		
8	47.20	47.20	31.60	34.60	31.00	186.00	805.00	696.80	105.20	62.90	54.40	68.50		
9	44.80	50.20	35.20	44.80	30.40	197.00	797.80	675.60	90.80	55.00	56.80	79.70		
10	43.60	49.00	32.20	41.80	34.60	195.00	797.80	654.80	78.30	49.00	66.40	81.10		
11	49.60	52.60	26.00	49.00	42.40	185.00	796.00	638.80	79.70	48.40	62.20	83.20		
12	56.80	51.40	29.20	51.40	48.40	206.00	783.40	611.60	73.40	58.70	60.80	80.40		
13	53.20	47.80	34.00	53.20	46.00	257.30	763.60	576.50	64.30	65.70	56.80	81.80		
14	52.00	47.20	41.20	53.80	46.00	313.20	747.40	540.50	64.30	60.80	67.10	80.40		
15	52.00	47.20	36.40	45.40	48.40	351.60	751.00	503.00	67.10	58.70	61.50	71.30		
16	53.20	47.20	35.80	48.40	49.00	358.10	770.80	473.00	65.70	60.10	76.20	67.80		
17	53.80	43.60	32.20	45.40	45.40	346.40	788.80	442.20	69.20	59.40	75.50	66.40		
18	54.40	43.60	28.60	36.40	48.40	337.30	799.60	405.80	74.80	56.80	86.80	67.80		
19	57.40	38.80	25.00	38.20	47.20	349.00	815.80	380.60	76.90	58.00	87.60	67.80		
20	62.90	32.80	26.00	46.60	44.20	363.30	828.40	354.20	63.60	62.90	83.90	67.80		
21	61.50	30.40	32.20	54.40	46.60	384.80	830.20	326.40	62.20	67.10	84.60	79.70		
22	57.40	26.00	31.60	55.60	42.40	421.20	832.00	298.80	71.30	65.00	82.50	76.90		
23	50.80	21.00	40.00	49.00	38.20	466.00	835.60	278.40	75.50	60.80	86.00	75.50		
24	43.00	25.00	29.80	50.80	37.60	533.00	835.60	259.50	76.90	51.40	86.80	79.70		
25	41.20	30.40	32.80	47.80	43.60	575.00	832.00	236.00	67.80	47.20	99.60	82.50		
26	41.20	34.00	41.20	43.00	46.00	637.20	824.80	215.00	67.10	52.00	98.80	83.90		
27	44.80	35.20	46.00	46.00	54.40	695.10	814.00	192.00	59.40	58.00	96.40	78.30		
28	46.60	46.00	46.00	41.80	60.10	734.80	796.00	168.00	49.60	63.60	90.00	72.00		
29	53.20	49.00	41.20	37.60	55.60	763.60	779.80	148.50	51.40	60.80		64.30		
30	60.80	55.60	35.80	36.40	55.00	790.60	765.40	133.20	65.70	58.00		65.00		
31		49.60		35.20	57.40		752.80		76.90	58.70		62.90		
Total	1593.60	1401.60	1017.50	1354.60	1353.10	10340.60	24865.00	14308.70	2500.90	1885.50	2093.20	2320.90	65035.20	CMSDAY
Mean	53.12	45.21	33.92	43.70	43.65	344.69	802.10	476.96	80.67	60.82	74.76	74.87	178.18	CMS
Max	68.50	62.90	46.00	55.60	60.10	790.60	835.60	740.20	127.80	78.30	99.60	84.60	835.60	CMS
Min	41.20	21.00	25.00	31.60	30.40	55.00	747.40	133.20	49.60	47.20	54.40	62.90	21.00	CMS
Runoff	137.69	121.10	87.91	117.04	116.91	893.43	2148.34	1236.27	216.08	162.91	180.85	200.53	5619.04	MCM
Momentary Peak	837.40	CMS.	at 6.53 m. (MSL.) at 14.00 Hours , on Oct 23, 2021											
Runoff Yield	*****	Liters/Second/Square KM.			Momentary Peak Yield			*****	Liters/Second/Square KM.					

WATER YEAR : 2021

CHAO PHRAYA RIVER BASIN

Khleng Bang Ban at Ban Bang Ban, Phra Nakhon Si Ayutthaya (C.37)

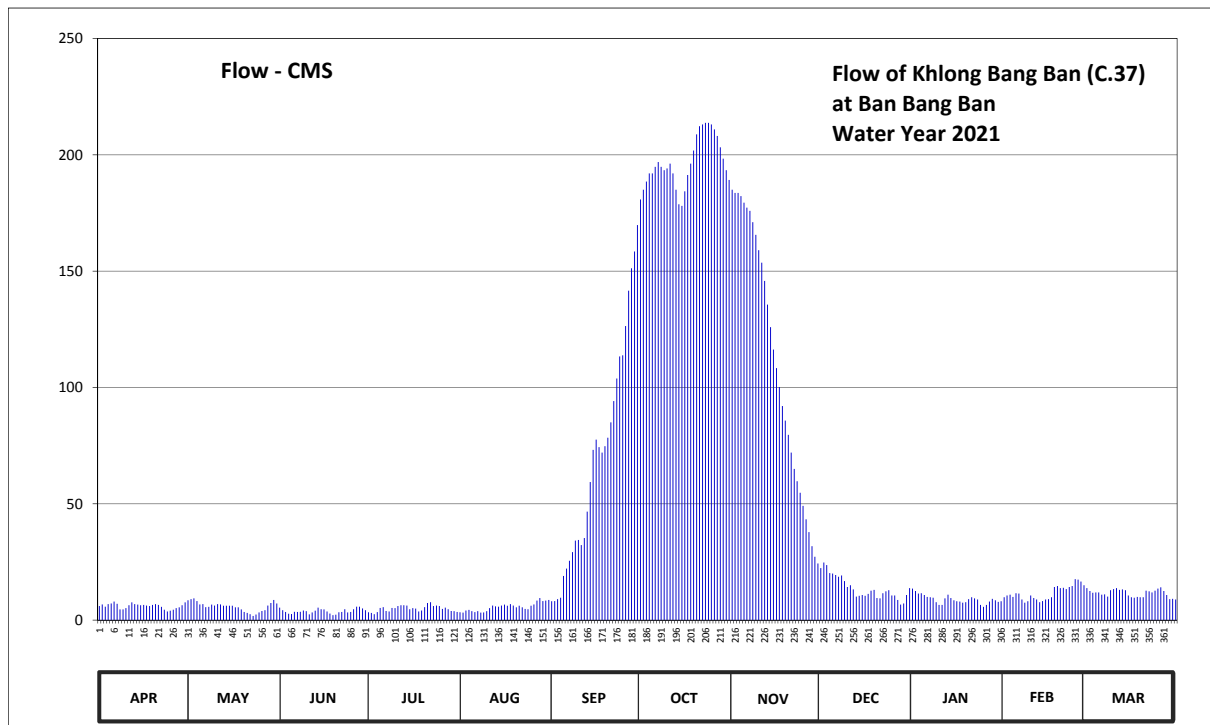
Lat 14 - 21 - 47 N Long 100 - 29 - 05 E

Location : on left bank at the bridge.

	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 6 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.22	0.42	0.16	-0.03	-0.03	0.39	4.94	5.00	1.18	0.73	0.50	0.74	
2	0.28	0.45	0.06	-0.06	-0.05	0.40	5.00	4.98	1.29	0.67	0.55	0.67	
3	0.20	0.47	-0.01	-0.13	0.05	0.45	5.05	4.98	1.24	0.60	0.57	0.62	
4	0.29	0.40	-0.11	-0.02	0.07	0.49	5.10	4.96	1.08	0.61	0.51	0.63	
5	0.31	0.28	-0.12	0.15	0.02	1.02	5.10	4.92	1.07	0.56	0.61	0.63	
6	0.38	0.29	0.00	0.18	-0.02	1.17	5.14	4.89	1.04	0.51	0.60	0.57	
7	0.30	0.18	-0.01	0.03	0.02	1.32	5.17	4.87	1.00	0.50	0.44	0.58	
8	0.09	0.19	0.00	0.01	-0.05	1.47	5.14	4.80	1.03	0.49	0.34	0.52	
9	0.09	0.27	0.05	0.15	-0.04	1.66	5.12	4.71	0.91	0.36	0.39	0.69	
10	0.14	0.24	0.02	0.14	0.02	1.67	5.13	4.60	0.77	0.26	0.55	0.72	
11	0.25	0.29	-0.14	0.22	0.14	1.59	5.16	4.51	0.81	0.26	0.48	0.74	
12	0.35	0.28	-0.04	0.25	0.24	1.70	5.10	4.38	0.71	0.47	0.44	0.70	
13	0.29	0.23	0.04	0.25	0.21	2.09	5.00	4.21	0.52	0.57	0.36	0.71	
14	0.27	0.23	0.16	0.24	0.20	2.49	4.91	4.04	0.54	0.48	0.40	0.69	
15	0.25	0.23	0.10	0.10	0.24	2.87	4.90	3.85	0.56	0.42	0.44	0.55	
16	0.26	0.23	0.09	0.14	0.27	2.98	4.99	3.69	0.54	0.39	0.45	0.50	
17	0.24	0.17	0.01	0.12	0.23	2.90	5.09	3.52	0.59	0.38	0.50	0.49	
18	0.22	0.17	-0.10	0.01	0.29	2.84	5.16	3.33	0.68	0.34	0.77	0.51	
19	0.26	0.09	-0.18	0.05	0.24	2.91	5.24	3.18	0.70	0.36	0.79	0.50	
20	0.29	-0.01	-0.16	0.18	0.17	3.00	5.34	3.03	0.48	0.45	0.74	0.50	
21	0.26	-0.06	-0.03	0.33	0.23	3.16	5.39	2.84	0.47	0.50	0.75	0.68	
22	0.19	-0.13	-0.01	0.36	0.17	3.38	5.40	2.65	0.61	0.47	0.72	0.66	
23	0.08	-0.24	0.10	0.22	0.11	3.60	5.41	2.50	0.66	0.44	0.77	0.63	
24	0.01	-0.15	-0.04	0.24	0.10	3.79	5.41	2.35	0.69	0.26	0.79	0.68	
25	0.04	-0.04	-0.01	0.22	0.23	3.80	5.40	2.17	0.55	0.19	0.95	0.73	
26	0.08	0.03	0.10	0.11	0.28	4.05	5.37	1.98	0.55	0.26	0.94	0.76	
27	0.14	0.06	0.20	0.16	0.41	4.31	5.33	1.79	0.43	0.38	0.90	0.67	
28	0.17	0.24	0.20	0.10	0.48	4.47	5.26	1.57	0.27	0.46	0.81	0.56	
29	0.25	0.33	0.13	0.03	0.40	4.59	5.19	1.39	0.31	0.42		0.45	
30	0.35	0.43	0.06	0.02	0.41	4.78	5.12	1.27	0.56	0.37		0.46	
31		0.31		-0.01	0.43		5.06		0.74	0.39		0.44	
Mean	0.22	0.19	0.02	0.12	0.18	2.51	5.17	3.57	0.73	0.44	0.61	0.61	
Max	0.38	0.47	0.20	0.36	0.48	4.78	5.41	5.00	1.29	0.73	0.95	0.76	5.41
Min	0.01	-0.24	-0.18	-0.13	-0.05	0.39	4.90	1.27	0.27	0.19	0.34	0.44	-0.24
Annual Max Momentary Gage Height	5.43		m. (MSL.) ,			at 09.00 Hours , on Oct 24, 2021							
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed -3.59	m. (MSL.)						
Left Bank Elevation		7.11	m. (MSL.) ,										
Right Bank Elevation		7.10	m. (MSL.) ,			Drainage Area	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	6.04	8.52	5.36	3.36	3.36	8.08	180.80	185.00	22.36	13.54	9.80	13.72		
2	6.76	9.00	4.26	3.12	3.20	8.20	185.00	183.60	24.78	12.52	10.60	12.52		
3	5.80	9.32	3.52	2.56	4.15	9.00	188.50	183.60	23.68	11.40	10.92	11.72		
4	6.88	8.20	2.72	3.44	4.37	9.64	192.00	182.20	20.20	11.56	9.96	11.88		
5	7.12	6.76	2.64	5.25	3.82	19.00	192.00	179.40	20.00	10.76	11.56	11.88		
6	7.96	6.88	3.60	5.58	3.44	22.14	194.80	177.30	19.40	9.96	11.40	10.92		
7	7.00	5.58	3.52	3.93	3.82	25.50	196.90	175.90	18.60	9.80	8.84	11.08		
8	4.59	5.69	3.60	3.71	3.20	29.25	194.80	171.00	19.20	9.64	7.48	10.12		
9	4.59	6.64	4.15	5.25	3.28	34.18	193.40	165.60	16.80	7.72	8.08	12.84		
10	5.14	6.28	3.82	5.14	3.82	34.46	194.10	159.00	14.26	6.52	10.60	13.36		
11	6.40	6.88	2.48	6.04	5.14	32.25	196.20	153.60	14.98	6.52	9.48	13.72		
12	7.60	6.76	3.28	6.40	6.28	35.30	192.00	145.80	13.18	9.32	8.84	13.00		
13	6.88	6.16	4.04	6.40	5.92	46.60	185.00	135.60	10.12	10.92	7.72	13.18		
14	6.64	6.16	5.36	6.28	5.80	59.37	178.70	125.88	10.44	9.48	8.20	12.84		
15	6.40	6.16	4.70	4.70	6.28	73.16	178.00	116.30	10.76	8.52	8.84	10.60		
16	6.52	6.16	4.59	5.14	6.64	77.58	184.30	108.30	10.44	8.08	9.00	9.80		
17	6.28	5.47	3.71	4.92	6.16	74.30	191.30	100.20	11.24	7.96	9.80	9.64		
18	6.04	5.47	2.80	3.71	6.88	72.02	196.20	91.99	12.68	7.48	14.26	9.96		
19	6.52	4.59	2.16	4.15	6.28	74.71	201.80	85.78	13.00	7.72	14.62	9.80		
20	6.88	3.52	2.32	5.58	5.47	78.40	208.80	79.63	9.48	9.00	13.72	9.80		
21	6.52	3.12	3.36	7.36	6.16	84.96	212.30	72.02	9.32	9.80	13.90	12.68		
22	5.69	2.56	3.52	7.72	5.47	94.14	213.00	64.95	11.56	9.32	13.36	12.36		
23	4.48	1.80	4.70	6.04	4.81	103.80	213.70	59.70	12.36	8.84	14.26	11.88		
24	3.71	2.40	3.28	6.28	4.70	113.30	213.70	54.75	12.84	6.52	14.62	12.68		
25	4.04	3.28	3.52	6.04	6.16	113.80	213.00	49.07	10.60	5.69	17.60	13.54		
26	4.48	3.93	4.70	4.81	6.76	126.40	210.90	43.30	10.60	6.52	17.40	14.08		
27	5.14	4.26	5.80	5.36	8.36	141.60	208.10	37.82	8.68	7.96	16.60	12.52		
28	5.47	6.28	5.80	4.70	9.48	151.20	203.20	31.75	6.64	9.16	14.98	10.76		
29	6.40	7.36	5.03	3.93	8.20	158.40	198.30	27.25	7.12	8.52		9.00		
30	7.60	8.68	4.26	3.82	8.36	169.80	193.40	24.34	10.76	7.84		9.16		

WATER YEAR : 2021

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
Drainage 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 19 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.56	3.64	3.45	3.70	3.88	3.42	14.56	13.53	5.30	3.80	3.85	3.68	
2	3.56	3.60	3.50	3.93	3.85	4.14	14.57	13.50	4.93	3.83	3.83	3.61	
3	3.58	3.59	3.54	4.10	3.76	4.86	14.64	13.47	4.63	3.80	3.82	3.60	
4	3.57	3.67	3.52	4.10	3.70	6.41	14.65	13.43	4.53	3.80	3.80	3.63	
5	3.59	3.69	3.46	4.12	3.64	6.99	14.63	13.37	4.50	3.82	3.82	3.65	
6	3.59	3.65	3.38	4.01	3.53	7.43	14.60	13.32	4.20	3.85	3.83	3.64	
7	3.55	3.65	3.30	3.70	3.50	7.86	14.51	13.11	4.15	3.85	3.80	3.63	
8	3.52	3.60	3.30	3.65	3.50	7.96	14.33	12.86	4.00	3.90	3.80	3.63	
9	3.53	3.60	3.33	3.65	3.47	7.92	14.25	12.60	3.99	3.94	3.80	3.65	
10	3.53	3.60	3.35	3.65	3.45	7.48	14.18	12.32	3.88	3.94	3.80	3.68	
11	3.59	3.52	3.30	3.78	3.44	7.60	14.13	12.09	3.83	3.91	3.82	3.70	
12	3.60	3.50	3.30	4.06	3.44	8.67	13.96	11.91	3.80	3.94	3.83	3.68	
13	3.62	3.50	3.30	4.15	3.43	9.78	13.77	11.62	3.81	3.84	3.83	3.64	
14	3.63	3.50	3.30	4.20	3.42	10.37	13.63	11.33	3.83	3.81	3.83	3.63	
15	3.68	3.52	3.30	4.17	3.42	10.69	13.68	10.79	3.84	3.80	3.81	3.63	
16	3.69	3.51	3.38	4.12	3.31	10.53	13.98	10.39	3.84	3.83	3.83	3.62	
17	3.89	3.54	3.54	3.75	3.37	10.38	14.12	9.93	3.85	3.82	3.83	3.63	
18	3.95	3.55	3.54	3.65	3.42	10.45	14.19	9.54	3.85	3.83	3.82	3.62	
19	3.94	3.55	3.52	3.70	3.39	10.64	14.36	9.20	3.86	3.80	3.75	3.61	
20	3.87	3.50	3.50	3.71	3.33	10.83	14.61	8.86	3.86	3.80	3.73	3.54	
21	3.74	3.50	3.50	3.65	3.42	11.10	14.66	8.41	3.87	3.83	3.70	3.50	
22	3.73	3.46	3.52	3.69	3.30	11.47	14.67	8.11	3.87	3.83	3.70	3.50	
23	3.70	3.40	3.53	3.67	3.30	11.97	14.68	7.84	3.88	3.83	3.74	3.53	
24	3.62	3.31	3.53	3.70	3.30	12.60	14.68	7.39	3.88	3.83	3.70	3.53	
25	3.60	3.30	3.55	3.70	3.30	12.95	14.63	7.07	3.89	3.83	3.70	3.52	
26	3.58	3.34	3.50	3.70	3.30	13.59	14.51	6.61	3.89	3.84	3.70	3.50	
27	3.61	3.40	3.50	3.64	3.30	13.98	14.39	6.22	3.90	3.86	3.66	3.52	
28	3.64	3.44	3.58	3.60	3.30	14.21	14.19	5.95	3.90	3.85	3.60	3.52	
29	3.64	3.43	3.64	3.60	3.30	14.47	14.01	5.45	3.85	3.85		3.50	
30	3.65	3.43	3.65	3.69	3.35	14.54	13.84	5.31	3.83	3.85		3.50	
31		3.43		3.92	3.35		13.70		3.80	3.85		3.50	
Mean	3.65	3.51	3.45	3.82	3.44	9.84	14.30	10.18	4.03	3.84	3.78	3.59	
Max	3.95	3.69	3.65	4.20	3.88	14.54	14.68	13.53	5.30	3.94	3.85	3.70	14.68
Min	3.52	3.30	3.30	3.60	3.30	3.42	13.63	5.31	3.80	3.80	3.60	3.50	3.30
Annual Max Momentary Gage Height	14.68		m. (MSL.) ,			at 06.00 Hours ,	on Oct 23, 2021						
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					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	87.08	92.52	79.80	96.60	108.84	77.88	2637.80	2265.80	244.40	103.40	106.80	95.24	
2	87.08	89.80	83.00	112.24	106.80	127.64	2641.60	2255.00	198.86	105.44	105.44	90.48	
3	88.44	89.12	85.72	124.60	100.68	191.72	2668.20	2244.68	168.26	103.40	104.76	89.80	
4	87.76	94.56	84.36	124.60	96.60	406.78	2672.00	2230.92	158.06	103.40	103.40	91.84	
5	89.12	95.92	80.44	126.12	92.52	498.42	2664.40	2210.28	155.00	104.76	104.76	93.20	
6	89.12	93.20	75.32	117.76	85.04	580.84	2653.00	2193.08	132.20	106.80	105.44	92.52	
7	86.40	93.20	70.20	96.60	83.00	666.00	2618.80	2120.84	128.40	106.80	103.40	91.84	
8	84.36	89.80	70.20	93.20	83.00	686.00	2553.80	2035.96	117.00	110.20	103.40	91.84	
9	85.04	89.80	72.12	93.20	81.08	678.00	2525.00	1948.60	116.32	112.92	103.40	93.20	
10	85.04	89.80	73.40	93.20	79.80	590.24	2499.80	1856.86	108.84	112.92	103.40	95.24	
11	89.12	84.36	70.20	102.04	79.16	614.00	2481.80	1782.57	105.44	110.88	104.76	96.60	
12	89.80	83.00	70.20	121.56	79.16	834.72	2420.60	1724.43	103.40	112.92	105.44	95.24	
13	91.16	83.00	70.20	128.40	78.52	1094.56	2352.20	1630.76	104.08	106.12	105.44	92.52	
14	91.84	83.00	70.20	132.20	77.88	1252.12	2301.80	1538.62	105.44	104.08	105.44	91.84	
15	95.24	84.36	70.20	129.92	77.88	1343.86	2319.80	1373.26	106.12	103.40	104.08	91.84	
16	95.92	83.68	75.32	126.12	70.84	1296.82	2427.80	1257.64	106.12	105.44	105.44	91.16	
17	109.52	85.72	85.72	100.00	74.68	1254.88	2478.20	1132.36	106.80	104.76	105.44	91.84	
18	113.60	86.40	85.72	93.20	77.88	1274.20	2503.40	1034.08	106.80	105.44	104.76	91.16	
19	112.92	86.40	84.36	96.60	75.96	1329.16	2564.60	953.20	107.48	103.40	100.00	90.48	
20	108.16	83.00	83.00	97.28	72.12	1385.02	2656.80	875.76	107.48	103.40	98.64	85.72	
21	99.32	83.00	83.00	93.20	77.88	1466.40	2675.80	779.28	108.16	105.44	96.60	83.00	
22	98.64	80.44	84.36	95.92	70.20	1582.58	2679.60	716.88	108.16	105.44	96.60	83.00	
23	96.60	76.60	85.04	94.56	70.20	1743.81	2683.40	662.00	108.84	105.44	99.32	85.04	
24	91.16	70.84	85.04	96.60	70.20	1948.60	2683.40	573.32	108.84	105.44	96.60	85.04	
25	89.80	70.20	86.40	96.60	70.20	2066.20	2664.40	513.16	109.52	105.44	96.60	84.36	
26	88.44	72.76	83.00	96.60	70.20	2287.40	2618.80	438.38	109.52	106.12	96.60	83.00	
27	90.48	76.60	83.00	92.52	70.20	2427.80	2575.40	376.76	110.20	107.48	93.88	84.36	
28	92.52	79.16	88.44	89.80	70.20	2510.60	2503.40	334.80	110.20	106.80	89.80	84.36	

Lat 14 - 47 - 28 N Long 100 - 27 - 06 E

	Ban	Bang Nam Chiao	Amphoe	Prom Buri	Changwat	Sing Buri
Drainage 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		No overbank flow.				
General Description		Records good. Stage-discharge relation defined by 20 discharge measurements made in 2021.				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.75	0.88	0.61	0.62	0.79	0.69	10.67	9.81	2.12	1.04	0.94	0.89	
2	0.75	0.86	0.58	0.69	0.73	0.95	10.71	9.78	2.08	1.00	0.96	0.82	
3	0.72	0.86	0.52	0.82	0.72	1.38	10.76	9.77	2.01	0.95	0.99	0.77	
4	0.78	0.86	0.45	0.90	0.70	2.32	10.75	9.74	1.98	0.96	0.93	0.78	
5	0.74	0.82	0.37	0.97	0.66	3.00	10.74	9.64	1.94	0.94	0.99	0.80	
6	0.78	0.81	0.38	0.97	0.58	3.43	10.71	9.57	1.87	0.91	1.00	0.75	
7	0.77	0.73	0.39	0.78	0.58	3.81	10.61	9.48	1.84	0.92	0.88	0.74	
8	0.71	0.68	0.40	0.61	0.54	4.09	10.48	9.25	1.80	0.92	0.81	0.68	
9	0.72	0.73	0.46	0.71	0.50	4.14	10.41	9.00	1.73	0.87	0.81	0.78	
10	0.68	0.72	0.46	0.72	0.52	3.95	10.37	8.80	1.70	0.81	0.90	0.82	
11	0.78	0.75	0.37	0.78	0.59	3.83	10.43	8.64	1.66	0.78	0.89	0.84	
12	0.81	0.73	0.38	0.96	0.66	4.51	10.29	8.35	1.58	0.86	0.89	0.83	
13	0.81	0.69	0.43	1.06	0.66	5.52	9.99	8.00	1.55	0.94	0.87	0.84	
14	0.81	0.67	0.52	1.08	0.65	6.22	9.89	7.62	1.51	0.91	0.87	0.84	
15	0.81	0.67	0.51	1.04	0.65	6.61	9.96	7.25	1.44	0.89	0.89	0.77	
16	0.80	0.67	0.47	1.05	0.64	6.59	10.20	6.93	1.41	0.89	0.89	0.71	
17	0.94	0.63	0.52	0.88	0.57	6.43	10.32	6.52	1.37	0.89	0.87	0.67	
18	1.02	0.63	0.51	0.67	0.63	6.37	10.41	6.10	1.30	0.87	0.94	0.69	
19	1.01	0.59	0.46	0.66	0.66	6.57	10.59	5.78	1.27	0.86	0.95	0.70	
20	1.01	0.52	0.44	0.74	0.62	6.76	10.76	5.47	1.23	0.91	0.93	0.65	
21	0.90	0.49	0.49	0.84	0.62	7.00	10.80	5.07	1.16	0.96	0.90	0.78	
22	0.84	0.48	0.49	0.90	0.59	7.35	10.81	4.77	1.00	0.94	0.88	0.78	
23	0.84	0.36	0.58	0.83	0.53	7.80	10.82	4.53	1.01	0.91	0.90	0.74	
24	0.73	0.31	0.54	0.83	0.47	8.48	10.81	4.34	1.05	0.81	0.90	0.78	
25	0.71	0.39	0.55	0.83	0.55	8.84	10.75	3.96	0.96	0.75	0.99	0.80	
26	0.73	0.45	0.64	0.76	0.58	9.45	10.65	3.61	0.94	0.78	1.01	0.83	
27	0.71	0.51	0.70	0.76	0.67	9.90	10.53	3.05	0.88	0.84	0.99	0.78	
28	0.76	0.66	0.71	0.73	0.75	10.14	10.35	2.72	0.76	0.90	0.95	0.74	
29	0.79	0.69	0.67	0.65	0.68	10.43	10.19	2.46	0.74	0.90		0.67	
30	0.77	0.76	0.66	0.64	0.66	10.59	10.03	2.15	0.87	0.89		0.64	
31		0.70		0.72	0.70		9.90		1.01	0.88		0.61	
Mean	0.80	0.65	0.51	0.81	0.63	5.91	10.47	6.74	1.41	0.89	0.92	0.76	
Max	1.02	0.88	0.71	1.08	0.79	10.59	10.82	9.81	2				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	94.00	107.00	80.90	81.80	98.00	88.10	2450.10	2173.20	256.20	123.00	113.00	108.00	
2	94.00	105.00	78.20	88.10	92.00	114.00	2463.30	2163.60	250.00	119.00	115.00	101.00	
3	91.00	105.00	72.80	101.00	91.00	159.80	2479.80	2160.40	239.50	114.00	118.00	96.00	
4	97.00	105.00	66.50	109.00	89.00	288.20	2476.50	2150.80	235.20	115.00	112.00	97.00	
5	93.00	101.00	59.30	116.00	85.40	401.00	2473.20	2118.80	229.60	113.00	118.00	99.00	
6	97.00	100.00	60.20	116.00	78.20	481.00	2463.30	2096.40	219.80	110.00	119.00	94.00	
7	96.00	92.00	61.10	97.00	78.20	557.20	2430.30	2067.60	215.60	111.00	107.00	93.00	
8	90.00	87.20	62.00	80.90	74.60	618.80	2387.60	1995.50	210.00	111.00	100.00	87.20	
9	91.00	92.00	67.40	90.00	71.00	629.80	2365.20	1918.00	200.90	106.00	100.00	97.00	
10	87.20	91.00	67.40	91.00	72.80	588.00	2352.40	1858.00	197.00	100.00	109.00	101.00	
11	97.00	94.00	59.30	97.00	79.10	561.60	2371.60	1810.00	192.20	97.00	108.00	103.00	
12	100.00	92.00	60.20	115.00	85.40	711.20	2326.80	1723.00	182.60	105.00	108.00	102.00	
13	100.00	88.10	64.70	125.00	85.40	949.80	2230.80	1618.00	179.00	113.00	106.00	103.00	
14	100.00	86.30	72.80	127.00	84.50	1126.40	2198.80	1506.80	174.20	110.00	106.00	103.00	
15	100.00	86.30	71.90	123.00	84.50	1231.70	2221.20	1404.50	166.40	108.00	108.00	96.00	
16	99.00	86.30	68.30	124.00	83.60	1226.30	2298.00	1318.10	163.10	108.00	108.00	90.00	
17	113.00	82.70	72.80	107.00	77.30	1183.10	2336.40	1207.40	158.70	108.00	106.00	86.30	
18	121.00	82.70	71.90	86.30	82.70	1166.90	2365.20	1095.00	151.00	106.00	113.00	88.10	
19	120.00	79.10	67.40	85.40	85.40	1220.90	2423.70	1012.20	147.70	105.00	114.00	89.00	
20	120.00	72.80	65.60	93.00	81.80	1272.20	2479.80	937.80	143.30	110.00	112.00	84.50	
21	109.00	70.10	70.10	103.00	81.80	1337.00	2493.00	841.80	135.60	115.00	109.00	97.00	
22	103.00	69.20	70.10	109.00	79.10	1431.50	2496.30	770.10	119.00	113.00	107.00	97.00	
23	103.00	58.40	78.20	102.00	73.70	1559.00	2499.60	715.60	120.00	110.00	109.00	93.00	
24	92.00	53.90	74.60	102.00	68.30	1762.00	2496.30	673.80	124.00	100.00	109.00	97.00	
25	90.00	61.10	75.50	102.00	75.50	1870.00	2476.50	590.20	115.00	94.00	118.00	99.00	
26	92.00	66.50	83.60	95.00	78.20	2058.00	2443.50	517.00	113.00	97.00	120.00	102.00	
27	90.00	71.90	89.00	95.00	86.30	2202.00	2403.90	409.50	107.00	103.00	118.00	97.00	
28	95.00	85.40	90.00	92.00	94.00	2278.80	2346.00	353.40	95.00	109.00</			

WATER YEAR : 2021

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	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 17 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.76	0.90	0.74	0.57	0.63	0.59	9.82	9.29	1.71	0.91	0.93	0.94	
2	0.84	0.90	0.70	0.77	0.63	0.97	9.91	9.18	1.70	0.92	0.87	0.91	
3	0.80	0.90	0.69	0.73	0.68	1.44	9.95	9.07	1.63	0.91	0.82	0.79	
4	0.80	0.92	0.51	0.80	0.60	1.98	9.97	9.04	1.41	0.92	0.82	0.83	
5	0.84	0.90	0.50	0.76	0.64	2.59	9.95	8.92	1.38	0.89	0.77	0.79	
6	0.93	0.88	0.50	0.74	0.64	3.00	9.91	8.80	1.24	0.85	0.81	0.79	
7	0.86	0.71	0.50	0.73	0.61	3.31	9.82	8.78	1.26	0.84	0.74	0.83	
8	0.52	0.54	0.50	0.72	0.57	3.56	9.68	8.68	1.28	0.84	0.80	0.79	
9	0.48	0.66	0.50	0.66	0.55	3.59	9.58	8.56	1.14	0.80	0.84	0.83	
10	0.49	0.70	0.50	0.61	0.54	3.36	9.49	8.38	1.01	0.80	0.92	0.83	
11	0.55	0.76	0.50	0.81	0.61	3.59	9.45	8.13	0.92	0.80	0.95	0.79	
12	0.63	0.78	0.50	0.90	0.55	4.08	9.28	7.66	0.74	0.83	0.82	0.88	
13	0.70	0.70	0.52	0.95	0.51	4.97	9.16	7.25	0.66	0.80	0.79	0.94	
14	0.74	0.76	0.61	1.00	0.58	5.66	9.08	7.14	0.70	0.88	0.83	0.90	
15	0.70	0.80	0.67	0.91	0.64	5.90	9.32	6.73	0.70	0.82	0.79	0.84	
16	0.76	0.72	0.60	0.86	0.67	5.87	9.49	6.23	0.76	0.79	0.85	0.85	
17	0.80	0.61	0.54	0.71	0.57	5.74	9.62	5.85	0.86	0.81	0.77	0.74	
18	0.89	0.73	0.47	0.78	0.58	5.70	9.72	5.46	0.92	0.82	0.77	0.72	
19	0.89	0.68	0.51	0.70	0.57	5.89	9.82	5.17	0.93	0.79	0.74	0.79	
20	0.83	0.58	0.49	0.73	0.57	6.13	9.94	4.78	0.91	0.75	0.80	0.79	
21	0.80	0.48	0.42	0.75	0.57	6.39	10.10	4.59	0.92	0.87	0.79	0.79	
22	0.61	0.44	0.36	0.84	0.48	6.84	10.10	4.25	0.91	0.84	0.81	0.81	
23	0.58	0.44	0.46	0.85	0.50	7.44	10.10	3.99	0.92	0.81	0.78	0.84	
24	0.59	0.44	0.50	0.79	0.46	7.87	10.07	3.64	0.89	0.75	0.82	0.87	
25	0.59	0.40	0.61	0.76	0.52	8.23	9.93	3.47	0.89	0.68	0.86	0.90	
26	0.59	0.40	0.69	0.76	0.62	9.17	9.82	3.11	0.89	0.72	0.95	0.92	
27	0.63	0.59	0.69	0.73	0.70	9.32	9.68	2.59	0.85	0.72	0.94	0.87	
28	0.66	0.76	0.80	0.70	0.70	9.40	9.60	2.36	0.61	0.72	1.07	0.89	
29	0.71	0.86	0.80	0.70	0.72	9.55	9.58	2.06	0.52	0.79		0.88	
30	0.83	0.90	0.72	0.61	0.67	9.70	9.48	1.87	0.47	0.84		0.73	
31		0.84		0.57	0.60		9.40		0.69	0.84		0.67	
Mean	0.71	0.70	0.57	0.76	0.60	5.39	9.70	6.17	0.98	0.82	0.84	0.83	
Max	0.93	0.92	0.80	1.00	0.72	9.70	10.10	9.29	1.71	0.92	1.07	0.94	10.10
Min	0.48	0.40	0.36	0.57	0.46	0.59	9.08	1.87	0.47	0.68	0.74	0.67	0.36
Annual Max Momentary Gage Height	10.10		m. (MSL.) ,				at 06.00 Hours , on Oct 21, 2021						
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					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	99.20	118.00	96.80	77.70	84.30	79.90	2585.20	2394.40	239.60	119.40	122.20	123.60	
2	109.60	118.00	92.00	100.40	84.30	127.80	2617.60	2354.80	238.00	120.80	113.80	119.40	
3	104.00	118.00	90.90	95.60	89.80	196.40	2632.00	2315.20	226.80	119.40	106.80	102.80	
4	104.00	120.80	71.10	104.00	81.00	286.40	2639.20	2304.40	191.60	120.80	106.80	108.20	
5	109.60	118.00	70.00	99.20	85.40	403.90	2632.00	2261.20	186.80	116.60	100.40	102.80	
6	122.20	115.20	70.00	96.80	85.40	491.00	2617.60	2218.00	165.60	111.00	105.40	102.80	
7	112.40	93.20	70.00	95.60	82.10	560.30	2585.20	2210.80	168.40	109.60	96.80	108.20	
8	72.20	74.40	70.00	94.40	77.70	618.40	2534.80	2174.80	171.20	109.60	104.00	102.80	
9	68.00	87.60	70.00	87.60	75.50	625.60	2498.80	2132.00	151.60	104.00	109.60	108.20	
10	69.00	92.00	70.00	82.10	74.40	571.80	2466.40	2069.40	133.40	104.00	120.80	108.20	
11	75.50	99.20	70.00	105.40	82.10	625.60	2452.00	1986.90	120.80	104.00	125.00	102.80	
12	84.30	101.60	70.00	118.00	75.50	745.80	2390.80	1831.80	96.80	108.20	106.80	115.20	
13	92.00	92.00	72.20	125.00	71.10	991.60	2347.60	1696.50	87.60	104.00	102.80	123.60	
14	96.80	99.20	82.10	132.00	78.80	1201.60	2318.80	1660.80	92.00	115.20	108.20	118.00	
15	92.00	104.00	88.70	119.40	85.40	1276.00	2405.20	1533.30	92.00	106.80	102.80	109.60	
16	99.20	94.40	81.00	112.40	88.70	1266.70	2466.40	1378.30	99.20	102.80	111.00	111.00	
17	104.00	82.10	74.40	93.20	77.70	1226.40	2513.20	1260.50	112.40	105.40	100.40	96.80	
18	116.60	95.60	67.00	101.60	78.80	1214.00	2549.20	1139.60	120.80	106.80	100.40	94.40	
19	116.60	89.80	71.10	92.00	77.70	1272.90	2585.20	1051.00	122.20	102.80	96.80	102.80	
20	108.20	78.80	69.00	95.60	77.70	1347.30	2628.40	938.40	119.40	98.00	104.00	102.80	
21	104.00	68.00	62.00	98.00	77.70	1427.90	2686.00	885.20	120.80	113.80	102.80	102.80	
22	82.10	64.00	56.00	109.60	68.00	1567.40	2686.00	790.50	119.40	109.60	105.40	105.40	
23	78.80	64.00	66.00	111.00	70.00	1759.20	2686.00	722.50	120.80	105.40	101.60	109.60	
24	79.90	64.00	70.00	102.80	66.00	1901.10	2675.20	637.60	116.60	98.00	106.80	113.80	
25	79.90	60.00	82.10	99.20	72.20	2019.90	2624.80	597.10	116.60	89.80	112.40	118.00	
26	79.90	60.00	90.90	99.20	83.20	2351.20	2585.20	515.20	116.60	94.40	125.00	120.80	
27	84.30	79.90	90.90	95.60	92.00	2405.20	2534.80	403.90	111.00	94.40	123.60	113.80	
28	87.60	99.20	104.00	92.00	92.00	2434.00	2506.00	357.40	82.10				

WATER YEAR : 2021

CHAO PHRAYA RIVER BASIN

Chao Phraya River at Ban Pa Mok, Ang Thong (C.47)

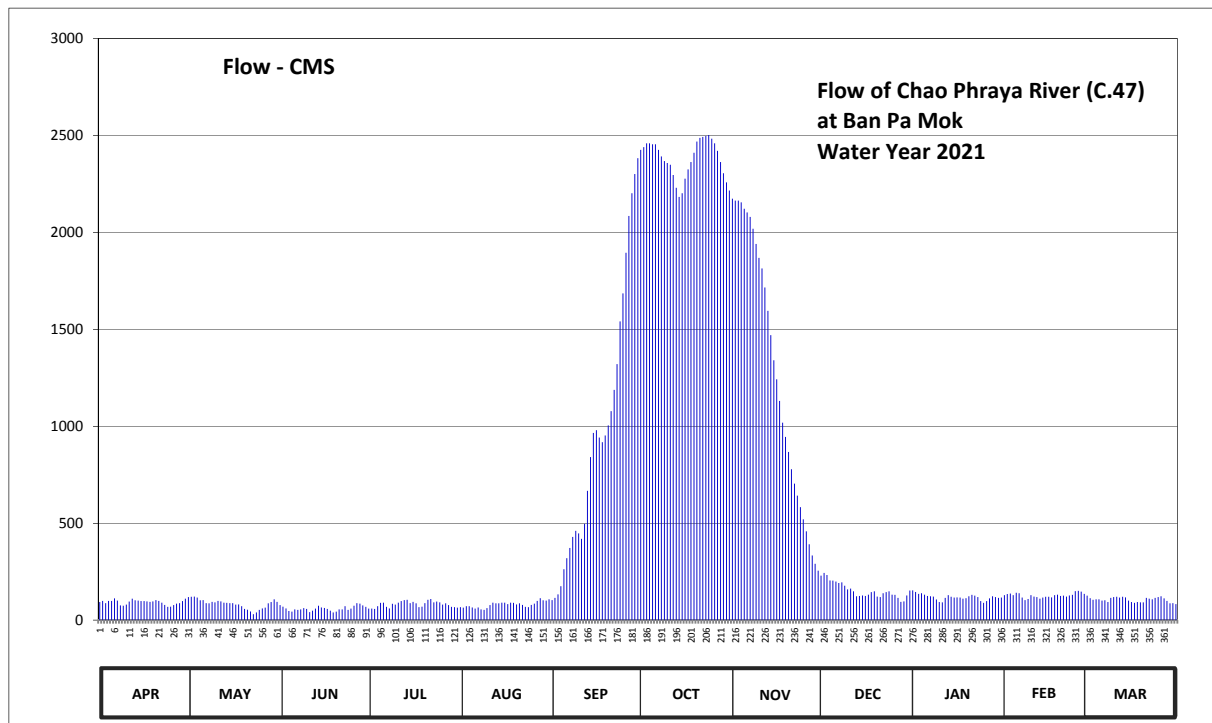
Lat 14 - 29 - 53 N Long 100 - 26 - 59 E

Location : on right bank at Ban Pa Mok

	Ban Pa Mok	Amphoe Pa Mok	Changwat Ang Thong
Drainage 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 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.04	1.23	0.92	0.78	0.84	1.12	8.16	7.63	1.98	1.48	1.30	1.28	
2	1.09	1.24	0.86	0.78	0.82	1.20	8.19	7.61	2.06	1.42	1.34	1.19	
3	1.00	1.25	0.79	0.77	0.88	1.33	8.23	7.61	2.00	1.35	1.36	1.13	
4	1.09	1.21	0.69	0.88	0.88	1.63	8.23	7.59	1.84	1.37	1.30	1.15	
5	1.09	1.11	0.66	1.01	0.83	2.16	8.22	7.52	1.83	1.32	1.39	1.15	
6	1.18	1.12	0.75	1.02	0.78	2.44	8.22	7.48	1.80	1.27	1.37	1.10	
7	1.10	1.00	0.73	0.85	0.83	2.68	8.16	7.43	1.75	1.26	1.21	1.11	
8	0.91	0.99	0.75	0.79	0.75	2.91	8.09	7.30	1.77	1.25	1.12	1.04	
9	0.90	1.05	0.80	0.97	0.73	3.03	8.04	7.13	1.65	1.14	1.16	1.20	
10	0.94	1.03	0.77	0.94	0.80	2.98	8.02	6.97	1.51	1.04	1.30	1.23	
11	1.06	1.09	0.64	1.02	0.92	2.87	8.00	6.85	1.54	1.03	1.25	1.24	
12	1.17	1.07	0.70	1.08	1.02	3.17	7.89	6.63	1.44	1.20	1.23	1.21	
13	1.11	1.02	0.78	1.12	0.99	3.81	7.75	6.35	1.26	1.30	1.17	1.24	
14	1.10	1.01	0.90	1.13	0.99	4.38	7.65	6.05	1.27	1.24	1.21	1.22	
15	1.08	1.00	0.83	1.00	1.02	4.75	7.69	5.74	1.29	1.21	1.24	1.10	
16	1.08	1.00	0.81	1.05	1.02	4.79	7.85	5.49	1.27	1.22	1.24	1.04	
17	1.07	0.94	0.77	0.99	0.96	4.68	7.95	5.20	1.32	1.21	1.22	1.01	
18	1.05	0.95	0.70	0.84	1.02	4.61	8.03	4.90	1.41	1.17	1.30	1.04	
19	1.07	0.88	0.63	0.86	1.01	4.71	8.13	4.69	1.44	1.19	1.32	1.03	
20	1.12	0.77	0.66	1.00	0.95	4.86	8.25	4.46	1.25	1.26	1.27	1.03	
21	1.09	0.74	0.75	1.13	0.99	5.06	8.29	4.19	1.23	1.31	1.28	1.20	
22	1.02	0.67	0.75	1.16	0.93	5.35	8.30	3.94	1.37	1.28	1.25	1.17	
23	0.93	0.56	0.88	1.03	0.85	5.69	8.31	3.72	1.41	1.23	1.29	1.15	
24	0.85	0.63	0.73	1.06	0.84	6.22	8.32	3.50	1.44	1.08	1.31	1.20	
25	0.86	0.73	0.78	1.03	0.93	6.56	8.28	3.26	1.32	1.01	1.45	1.23	
26	0.92	0.79	0.90	0.94	0.98	7.03	8.23	3.02	1.31	1.08	1.46	1.26	
27	0.98	0.82	1.00	0.99	1.09	7.44	8.15	2.76	1.20	1.18	1.43	1.18	
28	1.00	0.99	0.98	0.92	1.19	7.69	8.03	2.51	1.05	1.26	1.35	1.09	
29	1.08	1.04	0.91	0.85	1.11	7.90	7.91	2.30	1.07	1.23		0.99	
30	1.17	1.15	0.85	0.84	1.10	8.07	7.81	2.12	1.29	1.20		1.00	
31		1.05		0.82	1.15		7.72		1.47	1.21		0.96	
Mean	1.04	0.97	0.79	0.96	0.94	4.37	8.07	5.40	1.48	1.23	1.29	1.13	
Max	1.18	1.25	1.00	1.16	1.19	8.07	8.32	7.63	2.06	1.48	1.46	1.28	8.32
Min	0.85	0.56	0.63	0.77	0.73	1.12	7.65	2.12	1.05	1.01	1.12	0.96	0.56
Annual Max Momentary Gage Height	8.34		m. (MSL.) ,			at 19.00 Hours ,	on Oct 23, 2021						
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	93.20	119.20	77.60	59.40	67.20	103.80	2425.80	2174.10	229.40	154.20	129.00	126.20		
2	99.70	120.60	69.80	59.40	64.60	115.00	2440.20	2164.70	243.80	145.80	134.60	113.60		
3	88.00	122.00	60.70	58.10	72.40	133.20	2459.40	2164.70	233.00	136.00	137.40	105.20		
4	99.70	116.40	47.70	72.40	72.40	175.20	2459.40	2155.30	205.40	138.80	129.00	108.00		
5	99.70	102.40	43.80	89.30	65.90	263.00	2454.60	2122.40	203.80	131.80	141.60	108.00		
6	112.20	103.80	55.50	90.60	59.40	319.40	2454.60	2103.60	199.00	124.80	138.80	101.00		
7	101.00	88.00	52.90	68.50	65.90	372.20	2425.80	2080.10	192.00	123.40	116.40	102.40		
8	76.30	86.70	55.50	60.70	55.50	429.60	2392.20	2019.00	194.80	122.00	103.80	93.20		
9	75.00	94.50	62.00	84.10	52.90	460.80	2368.20	1940.80	178.00	106.60	109.40	115.00		
10	80.20	91.90	58.10	80.20	62.00	447.80	2358.60	1868.50	158.40	93.20	129.00	119.20		
11	95.80	99.70	41.20	90.60	77.60	419.20	2349.00	1814.50	162.60	91.90	122.00	120.60		
12	110.80	97.10	49.00	98.40	90.60	497.20	2296.30	1716.20	148.60	115.00	119.20	116.40		
13	102.40	90.60	59.40	103.80	86.70	666.90	2230.50	1596.00	123.40	129.00	110.80	120.60		
14	101.00	89.30	75.00	105.20	86.70	841.40	2183.50	1470.00	124.80	120.60	116.40	117.80		
15	98.40	88.00	65.90	88.00	90.60	966.00	2202.30	1341.00	127.60	116.40	120.60	101.00		
16	98.40	88.00	63.30	94.50	90.60	979.60	2277.50	1242.10	124.80	117.80	120.60	93.20		
17	97.10	80.20	58.10	86.70	82.80	942.20	2325.00	1131.00	131.80	116.40	117.80	89.30		
18	94.50	81.50	49.00	67.20	90.60	918.40	2363.40	1019.00	144.40	110.80	129.00	93.20		
19	97.10	72.40	39.90	69.80	89.30	952.40	2411.40	945.60	148.60	113.60	131.80	91.90		
20	103.80	58.10	43.80	88.00	81.50	1004.60	2469.00	867.80	122.00	123.40	124.80	91.90		
21	99.70	54.20	55.50	105.20	86.70	1077.80	2488.20	778.90	119.20	130.40	126.20	115.00		
22	90.60	45.10	55.50	109.40	78.90	1188.00	2493.00	704.60	138.80	126.20	122.00	110.80		
23	78.90	31.20	72.40	91.90	68.50	1321.00	2497.90	642.40	144.40	119.20	127.60	108.00		
24	68.50	39.90	52.90	95.80	67.20	1541.40	2502.80	583.00	148.60	98.40	130.40	115.00		
25	69.80	52.90	59.40	91.90	78.90	1685.40	2483.40	520.60	131.80	89.30	150.00	119.20		
26	77.60	60.70	75.00	80.20	85.40	1895.50	2459.40	458.20	130.40	98.40	151.40	123.40		
27	85.40	64.60	88.00	86.70	99.70	2084.80	2421.00	391.40	115.00	112.20	147.20	112.20		
28	88.00	86.70	85.40	77.60	113.60	2202.30	2363.40	334.10	94.50	123.40	136.00	99.70		
29	98.40	93.20	76.30	68.50	102.40	2301.00	2305.80	291.00	97.10	119.20		86.70		
30	110.80	108.00	68.50	67.20	101.00	2382.60	2258.70	255.00	127.60	115.00		88.00		
31		94.50		64.60	108.00		2216.40		152.80	116.40		82.80		
Total	2792.00	2621.40	1817.10	2553.90	2495.50	28687.70	73836.70	38895.60	4796.40	3679.60	3572.80	3288.50	169037.20	CMSDAY
Mean	93.07	84.56	60.57	82.38	80.50	956.26	2381.83	1296.52	154.72	118.70	127.60	106.08	463.12	CMS
Max	112.20	122.00	88.00	109.40	113.60	2382.60	2502.80	2174.10	243.80	154.20	151.40	126.20	2502.80	CMS
Min	68.50	31.20	39.90	58.10	52.90	103.80	2183.50	255.00	94.50	89.30	103.80	82.80	31.20	CMS
Runoff	241.23	226.49	157.00	220.66	215.61	2478.62	6379.49	3360.58	414.41	317.92	308.69	284.13	14604.81	MCM
Momentary Peak	2512.60 CMS. at 8.34 m. (MSL.) at 19.00 Hours , on Oct 23, 2021													
Runoff Yield	*****	Liters/Second/Square KM.				Momentary Peak Yield *****				Liters/Second/Square KM.				

WATER YEAR : 2021

CHAO PHRAYA RIVER BASIN

Chao Phraya River at Ban Tha Nam Ooy, Nakhon Sawan (C.56)

Lat 15 - 25 - 36 N Long 100 - 08 - 06 E

Location : on left bank at Ban Tha Nam Ooy

	Ban Tha Nam Ooy	Amphoe Phayuha Khiti	Changwat Nakhon Sawan
Drainge 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 21 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	13.78	14.46	13.22	13.66	13.34	16.07	19.36	18.96	15.66	16.21	14.59	14.53	
2	13.76	14.33	13.29	13.76	13.90	17.21	19.42	18.96	15.70	16.16	14.62	14.66	
3	13.70	14.21	13.36	13.80	14.34	16.93	19.43	18.94	15.74	16.10	14.65	14.61	
4	13.67	14.22	13.42	13.89	14.22	16.77	19.47	18.89	15.77	15.99	14.70	14.59	
5	13.71	14.23	13.46	13.98	14.04	16.88	19.44	18.86	15.81	15.88	14.75	14.61	
6	13.79	14.37	13.49	14.08	13.90	16.95	19.36	18.83	15.85	15.84	14.80	14.65	
7	13.86	14.26	13.53	14.31	13.76	16.98	19.30	18.70	15.92	15.80	14.83	14.82	
8	13.99	14.05	13.57	14.48	13.64	16.86	19.25	18.55	15.96	15.72	14.88	15.01	
9	14.14	13.86	13.60	14.57	13.54	16.54	19.22	18.39	16.00	15.59	14.92	15.19	
10	14.32	13.79	13.60	14.61	13.53	16.47	19.16	18.26	16.07	15.45	14.96	15.32	
11	14.34	13.71	13.60	14.58	13.59	16.46	19.07	18.11	16.11	15.40	15.01	15.45	
12	14.36	13.67	13.60	14.40	13.67	16.57	18.97	17.92	16.14	15.35	15.05	15.49	
13	14.40	13.61	13.65	14.23	13.74	17.50	18.92	17.74	16.21	15.24	15.07	15.48	
14	14.44	13.57	13.73	14.14	13.74	18.11	18.94	17.55	16.24	15.13	15.12	15.39	
15	14.47	13.51	13.81	14.24	13.67	18.06	19.04	17.35	16.30	15.02	15.16	15.25	
16	14.51	13.47	13.89	14.43	13.62	18.13	19.04	17.13	16.35	14.97	15.20	15.13	
17	14.55	13.42	13.87	14.60	13.64	18.28	19.06	16.99	16.37	14.91	15.24	14.99	
18	14.59	13.36	13.82	14.67	13.77	18.30	19.22	16.87	16.31	14.80	15.28	14.85	
19	14.56	13.29	13.79	14.74	14.01	18.31	19.49	16.72	16.27	14.60	15.32	14.74	
20	14.52	13.22	13.79	14.82	14.21	18.35	19.59	16.55	16.25	14.58	15.36	14.67	
21	14.53	13.14	13.84	14.81	14.24	18.40	19.60	16.48	16.18	14.61	15.37	14.63	
22	14.55	13.11	13.88	14.68	14.25	18.47	19.59	16.39	16.12	14.67	15.38	14.65	
23	14.49	13.08	13.87	14.54	14.30	18.61	19.54	16.28	16.06	14.71	15.40	14.75	
24	14.43	13.03	13.86	13.64	14.33	18.59	19.46	16.15	16.11	14.74	15.32	14.98	
25	14.37	12.97	13.81	13.07	14.32	18.10	19.38	16.00	16.10	14.83	15.23	15.26	
26	14.40	12.95	13.72	13.07	14.34	18.39	19.33	15.89	16.12	14.86	15.06	15.55	
27	14.43	12.95	13.60	13.07	14.35	18.67	19.24	15.83	16.11	14.83	14.98	15.78	
28	14.48	12.95	13.59	13.07	14.32	18.98	19.14	15.77	16.14	14.77	14.89	15.80	
29	14.53	12.97	13.57	13.08	14.33	19.20	19.06	15.72	16.17	14.71		15.69	
30	14.58	13.00	13.57	13.08	14.56	19.29	18.98	15.67	16.24	14.67		15.57	
31		13.00		13.08	15.13		18.93		16.31	14.62		15.47	
Mean	14.27	13.54	13.65	14.04	14.01	17.75	19.26	17.35	16.09	15.19	15.04	15.08	
Max	14.59	14.46	13.89	14.82	15.13	19.29	19.60	18.96	16.37	16.21	15.40	15.80	19.60
Min	13.67	12.95	13.22	13.07	13.34	16.07	18.92	15.67	15.66	14.58	14.59	14.53	12.95
Annual Max Momentary Gage Height	19.61		m. (MSL.) ,			at 11.00 Hours ,	on Oct 21, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	9.13	m. (MSL.)					
Left Bank Elevation		23.09	m. (MSL.) ,										
Right Bank Elevation		23.55	m. (MSL.) ,			Drainage Are	110,861	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	170.80	250.80	114.80	157.60	125.60	603.00	2405.20	2124.40	467.00	671.00	268.60	260.20	
2	168.60	233.90	121.10	168.60	184.00	1265.40	2449.20	2124.40	477.00	645.00	272.80	278.40	
3	162.00	218.30	127.40	173.00	235.20	1173.00	2456.80	2110.60	488.20	615.00	277.00	271.40	
4	158.70	219.60	133.00	182.90	219.60	1128.20	2487.20	2076.10	496.60	571.50	284.00	268.60	
5	163.10	220.90	137.00	192.80	199.40	1158.40	2464.40	2055.40	508.50	533.00	292.00	271.40	
6	171.90	239.10	140.00	203.80	184.00	1179.00	2405.20	2034.70	522.50	519.00	300.00	277.00	
7	179.60	224.80	144.00	231.30	168.60	1188.00	2362.00	1950.00	547.00	505.00	304.80	303.20	
8	193.90	200.50	148.00	253.40	155.40	1152.80	2326.00	1861.00	561.00	482.60	312.80	333.60	
9	210.40	179.60	151.00	265.80	145.00	982.60	2304.40	1769.70	575.00	449.50	319.20	364.20	
10	232.60	171.90	151.00	271.40	144.00	876.00	2262.40	1702.80	603.00	416.50	325.60	389.20	
11	235.20	163.10	151.00	267.20	150.00	863.00	2200.30	1630.80	620.00	406.00	333.60	416.50	
12	237.80	158.70	151.00	243.00	158.70	1033.30	2131.30	1542.80	635.00	395.50	340.00	424.90	
13	243.00	152.10	156.50	220.90	166.40	1370.00	2096.80	1466.80	671.00	373.60	343.20	422.80	
14	248.20	148.00	165.30	210.40	166.40	1630.80	2110.60	1389.00	689.00	353.40	351.60	403.90	
15	252.10	142.00	174.10	222.20	158.70	1606.80	2179.60	1314.00	725.00	335.20	358.80	375.50	
16	257.40	138.00	182.90	246.90	153.20	1640.40	2179.60	1238.20	755.00	327.20	366.00	353.40	
17	263.00	133.00	180.70	270.00	155.40	1712.40	2193.40	1191.00	767.00	317.60	373.60	330.40	
18	268.60	127.40	175.20	279.80	169.70	1722.00	2304.40	1155.60	731.00	300.00	381.20	308.00	
19	264.40	121.10	171.90	290.40	196.10	1727.30	2502.40	1115.20	707.00	270.00	389.20	290.40	
20	258.80	114.80	171.90	303.20	218.30	1748.50	2578.40	999.50	695.00	267.20	397.60	279.80	
21	260.20	107.60	177.40	301.60	222.20	1775.00	2586.00	889.00	655.00	271.40	399.70	274.20	
22	263.00	104.90	181.80	281.20	223.50	1814.90	2578.40	779.00	625.00	279.80	401.80	277.00	
23	254.70	102.40	180.70	261.60	230.00	1896.00	2540.40	713.00	599.00	285.60	406.00	292.00	
24	246.90	98.40	179.60	155.40	233.90	1884.20	2479.60	640.00	620.00	290.40	389.20	328.80	
25	239.10	93.60	174.10	101.60	232.60	1626.00	2419.60	575.00	615.00	304.80	371.70	377.40	
26	243.00	92.00	164.20	101.60	235.20	1769.70	2383.60	536.50	625.00	309.60	341.60	439.50	
27	246.90	92.00	151.00	101.60	236.50	1932.00	2318.80	515.50	620.00	304.80	328.80		

WATER YEAR : 2021

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
Drainage 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 22 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.74	4.64	4.55	4.75	4.96	4.47	15.35	14.23	5.83	4.69	4.74	4.62	
2	4.74	4.64	4.55	4.94	4.77	5.17	15.39	14.22	5.62	4.67	4.74	4.62	
3	4.74	4.66	4.55	5.19	4.77	6.26	15.42	14.21	5.38	4.66	4.74	4.62	
4	4.74	4.74	4.55	5.19	4.77	7.44	15.42	14.15	5.33	4.68	4.74	4.62	
5	4.74	4.74	4.42	5.19	4.72	7.95	15.40	14.02	5.23	4.70	4.74	4.62	
6	4.74	4.74	4.42	5.19	4.67	8.36	15.31	13.97	5.10	4.77	4.73	4.62	
7	4.74	4.74	4.42	4.75	4.67	8.69	15.16	13.82	4.92	4.78	4.73	4.62	
8	4.74	4.74	4.42	4.75	4.62	8.77	15.02	13.54	4.79	4.80	4.71	4.62	
9	4.74	4.74	4.42	4.75	4.62	8.71	14.93	13.27	4.71	4.81	4.71	4.62	
10	4.74	4.70	4.42	4.75	4.62	8.27	14.88	13.09	4.68	4.79	4.69	4.62	
11	4.74	4.64	4.42	4.75	4.62	8.61	14.76	12.90	4.68	4.79	4.71	4.62	
12	4.74	4.64	4.42	5.19	4.62	9.66	14.55	12.55	4.68	4.77	4.73	4.62	
13	4.74	4.64	4.42	5.19	4.62	10.78	14.38	12.17	4.67	4.77	4.74	4.62	
14	4.74	4.66	4.42	5.19	4.62	11.35	14.32	11.76	4.66	4.77	4.74	4.62	
15	4.74	4.64	4.42	5.19	4.49	11.49	14.56	11.41	4.65	4.76	4.73	4.62	
16	4.74	4.64	4.42	5.19	4.49	11.30	14.79	11.06	4.64	4.77	4.73	4.56	
17	4.98	4.64	4.60	4.75	4.44	11.13	14.87	10.59	4.68	4.76	4.71	4.56	
18	4.98	4.64	4.60	4.75	4.47	11.20	14.98	10.17	4.79	4.76	4.71	4.56	
19	4.93	4.68	4.60	4.75	4.53	11.43	15.22	9.86	4.77	4.76	4.70	4.49	
20	4.74	4.71	4.60	4.75	4.39	11.63	15.40	9.51	4.75	4.77	4.70	4.49	
21	4.84	4.69	4.60	4.75	4.44	11.89	15.43	9.06	4.76	4.76	4.73	4.49	
22	4.84	4.64	4.60	4.75	4.44	12.24	15.42	8.78	4.76	4.75	4.73	4.49	
23	4.84	4.56	4.60	4.75	4.41	12.80	15.43	8.50	4.76	4.74	4.74	4.49	
24	4.84	4.59	4.65	4.75	4.40	13.35	15.40	8.04	4.76	4.75	4.74	4.49	
25	4.84	4.64	4.65	4.75	4.40	13.75	15.26	7.74	4.76	4.75	4.73	4.49	
26	4.84	4.64	4.65	4.75	4.40	14.41	15.14	7.25	4.74	4.75	4.73	4.49	
27	4.84	4.64	4.65	4.75	4.40	14.76	14.98	6.85	4.73	4.77	4.72	4.49	
28	4.68	4.64	4.70	4.75	4.28	14.99	14.77	6.65	4.70	4.77	4.71	4.56	
29	4.64	4.64	4.70	4.75	4.26	15.25	14.60	6.25	4.71	4.74		4.49	
30	4.58	4.64	4.70	4.75	4.26	15.33	14.43	5.99	4.70	4.75		4.49	
31		4.64		4.94	4.27		14.30		4.70	4.74		4.49	
Mean	4.78	4.66	4.54	4.89	4.53	10.71	15.01	10.85	4.86	4.75	4.73	4.56	
Max	4.98	4.74	4.70	5.19	4.96	15.33	15.43	14.23	5.83	4.81	4.74	4.62	15.43
Min	4.58	4.56	4.42	4.75	4.26	4.47	14.30	5.99	4.64	4.66	4.69	4.49	4.26
Annual Max Momentary Gage Height	15.43		m. (MSL.) ,			at 09.00 Hours , on Oct 4, 2021							
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	80.40	74.40	69.00	81.00	93.60	64.50	2653.00	2237.26	174.98	77.40	80.40	73.20	
2	80.40	74.40	69.00	92.40	82.20	110.96	2668.20	2233.64	152.72	76.20	80.40	73.20	
3	80.40	75.60	69.00	112.72	82.20	226.80	2679.60	2230.02	129.44	75.60	80.40	73.20	
4	80.40	80.40	69.00	112.72	82.20	400.40	2679.60	2208.30	125.04	76.80	80.40	73.20	
5	80.40	80.40	62.00	112.72	79.20	487.40	2672.00	2161.24	116.24	78.00	80.40	73.20	
6	80.40	80.40	62.00	112.72	76.20	563.68	2637.80	2143.26	104.80	82.20	79.80	73.20	
7	80.40	80.40	62.00	81.00	76.20	628.00	2580.80	2089.56	91.20	82.80	79.80	73.20	
8	80.40	80.40	62.00	81.00	73.20	644.00	2527.60	1989.32	83.40	84.00	78.60	73.20	
9	80.40	80.40	62.00	81.00	73.20	632.00	2494.10	1894.50	78.60	84.60	78.60	73.20	
10	80.40	78.00	62.00	81.00	73.20	546.76	2475.60	1831.50	76.80	83.40	77.40	73.20	
11	80.40	74.40	62.00	81.00	73.20	612.00	2431.20	1766.00	76.80	83.40	78.60	73.20	
12	80.40	74.40	62.00	112.72	73.20	832.44	2353.50	1647.00	76.80	82.20	79.80	73.20	
13	80.40	74.40	62.00	112.72	73.20	1119.28	2291.56	1529.68	76.20	82.20	80.40	73.20	
14	80.40	75.60	62.00	112.72	73.20	1282.20	2269.84	1405.04	75.60	82.20	80.40	73.20	
15	80.40	74.40	62.00	112.72	65.50	1323.08	2357.20	1299.72	75.00	81.60	79.80	73.20	
16	80.40	74.40	62.00	112.72	65.50	1267.60	2442.30	1197.52	74.40	82.20	79.80	69.60	
17	94.80	74.40	72.00	81.00	63.00	1217.96	2471.90	1066.84	76.80	81.60	78.60	69.60	
18	94.80	74.40	72.00	81.00	64.50	1238.40	2512.60	956.20	83.40	81.60	78.60	69.60	
19	91.80	76.80	72.00	81.00	67.80	1305.56	2603.60	879.24	82.20	81.60	78.00	65.50	
20	80.40	78.60	72.00	81.00	60.50	1365.52	2672.00	797.34	81.00	82.20	78.00	65.50	
21	86.40	77.40	72.00	81.00	63.00	1444.56	2683.40	702.60	81.60	81.60	79.80	65.50	
22	86.40	74.40	72.00	81.00	63.00	1550.96	2679.60	646.00	81.60	81.00	79.80	65.50	
23	86.40	69.60	72.00	81.00	61.50	1732.00	2683.40	590.00	81.60	80.40	80.40	65.50	
24	86.40	71.40	75.00	81.00	61.00	1922.50	2672.00	503.52	81.60	81.00	80.40	65.50	
25	86.40	74.40	75.00	81.00	61.00	2064.50	2618.80	451.28	81.60	81.00	79.80	65.50	
26	86.40	74.40	75.00	81.00	61.00	2302.42	2573.20	370.00	80.40	81.00	79.80	65.50	
27	86.40	74.40	75.00	81.00	61.00	2431.20	2512.60	308.40	79.80	82.20	79.20	65.50	
28	76.80	74.40	78.00	81.00	55.00	2516.30	2434.90	279.60	78.00	82.20	78.60	69.60	
29	74.40	74.40	78.00	81.00	54.00	2615.00	2372						

WATER YEAR : 2021

SAKAE KRANG RIVER BASIN

Nam Mae Wong at Ban San Chao Kai To, Nakhon Sawan (Ct.4)

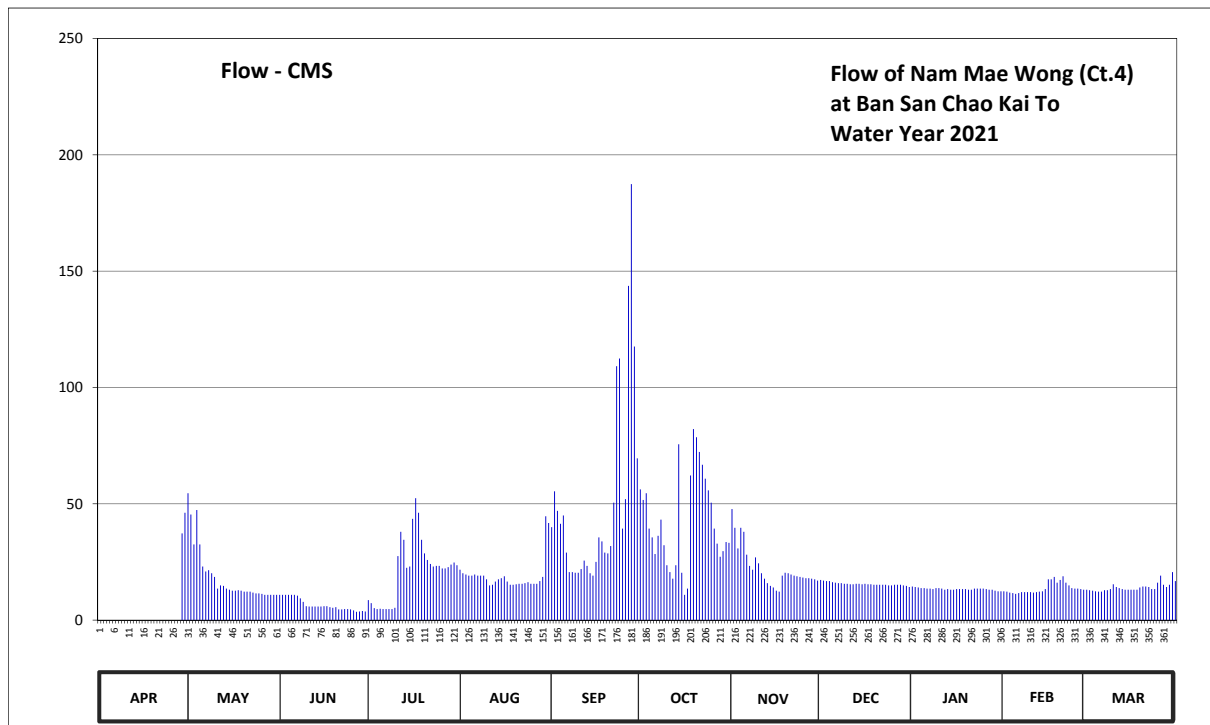
Lat 15 - 47 - 09 N Long 99 - 40 - 42 E

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 15 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	66.79	69.45	68.02	67.90	68.48	69.07	69.49	69.28	68.31	68.19	68.10	68.13	
	2	66.78	69.22	68.02	67.83	68.42	69.47	69.38	69.06	68.30	68.18	68.09	68.12	
	3	66.78	68.85	68.02	67.69	68.40	69.26	69.45	68.80	68.29	68.17	68.07	68.11	
	4	66.78	69.27	68.02	67.66	68.38	69.11	69.05	69.06	68.29	68.16	68.06	68.10	
	5	66.78	68.85	68.02	67.67	68.38	69.21	68.94	69.01	68.27	68.16	68.04	68.09	
	6	66.78	68.53	68.02	67.66	68.40	68.74	68.72	68.71	68.26	68.15	68.06	68.09	
	7	66.78	68.45	68.00	67.66	68.38	68.44	68.96	68.54	68.25	68.15	68.08	68.12	
	8	66.78	68.47	67.94	67.66	68.38	68.44	69.16	68.48	68.25	68.14	68.08	68.12	
	9	66.78	68.42	67.86	67.66	68.38	68.43	68.84	68.67	68.24	68.16	68.08	68.14	
	10	66.78	68.36	67.75	67.70	68.32	68.43	68.55	68.58	68.24	68.16	68.08	68.23	
	11	66.78	68.15	67.74	68.69	68.21	68.49	68.44	68.42	68.23	68.15	68.07	68.18	
	12	66.80	68.21	67.74	69.01	68.22	68.62	68.33	68.33	68.23	68.13	68.08	68.16	
	13	66.77	68.20	67.74	68.91	68.28	68.54	68.55	68.25	68.24	68.14	68.09	68.14	
	14	66.56	68.15	67.74	68.51	68.32	68.42	69.92	68.20	68.24	68.13	68.10	68.13	
	15	66.32	68.13	67.74	68.53	68.34	68.38	68.43	68.17	68.23	68.13	68.14	68.13	
	16	66.29	68.11	67.75	69.17	68.37	68.60	68.02	68.11	68.24	68.14	68.32	68.13	
	17	66.29	68.11	67.75	69.40	68.28	68.94	68.15	68.09	68.23	68.14	68.32	68.13	
	18	66.25	68.12	67.72	69.24	68.22	68.89	69.63	68.38	68.23	68.14	68.36	68.13	
	19	66.27	68.11	67.70	68.91	68.22	68.74	70.05	68.43	68.22	68.14	68.26	68.17	
	20	66.54	68.09	67.72	68.73	68.23	68.73	69.98	68.42	68.22	68.13	68.31	68.19	
	21	66.67	68.09	67.65	68.63	68.24	68.83	69.85	68.40	68.22	68.13	68.37	68.19	
	22	66.73	68.09	67.65	68.57	68.24	69.35	69.73	68.38	68.22	68.15	68.26	68.18	
	23	66.78	68.07	67.66	68.53	68.25	70.51	69.60	68.37	68.22	68.15	68.21	68.14	
	24	66.80	68.05	67.66	68.54	68.27	70.56	69.48	68.36	68.21	68.15	68.16	68.14	
	25	66.88	68.05	67.65	68.54	68.24	69.05	69.35	68.35	68.21	68.15	68.15	68.26	
	26	66.95	68.04	67.62	68.50	68.24	69.39	69.05	68.34	68.22	68.14	68.15	68.38	
	27	66.97	68.02	67.57	68.50	68.24	71.00	68.86	68.34	68.22	68.13	68.14	68.22	
	28	67.17	68.02	67.58	68.52	68.29	71.51	68.68	68.33	68.22	68.13	68.13	68.18	
	29	68.99	68.02	67.60	68.56	68.36	70.64	68.76	68.32	68.21	68.11		68.22	
	30	69.24	68.02	67.58	68.59	69.20	69.79	68.88	68.30	68.20	68.10		68.44	
	31		68.02		68.55	69.12		68.87		68.18	68.10		68.29	
Mean		66.86	68.31	67.77	68.39	68.36	69.19	69.07	68.48	68.24	68.14	68.16	68.17	
Max		69.24	69.45	68.02	69.40	69.20	71.51	70.05	69.28	68.31	68.19	68.37	68.44	71.51
Min		66.25	68.02	67.57	67.66	68.21	68.38	68.02	68.09	68.18	68.10	68.04	68.09	66.25
Annual Max Momentary Gage Height		72.05	m. (MSL.) ,		at 21.00 Hours , on Sep 27 , 2021									
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						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	54.50	10.88	8.60	21.68	39.98	56.18	47.72	17.26	14.47	12.40	13.09		
2	0.00	45.38	10.88	7.27	20.12	55.34	51.62	39.64	17.00	14.24	12.21	12.86		
3	0.00	32.50	10.88	5.16	19.60	46.94	54.50	30.80	16.77	14.01	11.83	12.63		
4	0.00	47.33	10.88	4.74	19.08	41.36	39.30	39.64	16.77	13.78	11.64	12.40		
5	0.00	32.50	10.88	4.88	19.08	44.99	35.56	37.94	16.31	13.78	11.26	12.21		
6	0.00	23.04	10.88	4.74	19.60	29.00	28.40	28.10	16.08	13.55	11.64	12.21		
7	0.00	20.90	10.50	4.74	19.08	20.64	36.24	23.32	15.85	13.55	12.02	12.86		
8	0.00	21.42	9.36	4.74	19.08	20.64	43.16	21.68	15.85	13.32	12.02	12.86		
9	0.00	20.12	7.84	4.74	19.08	20.38	32.16	26.96	15.62	13.78	12.02	13.32		
10	0.00	18.56	6.00	5.30	17.52	20.38	23.60	24.44	15.62	13.78	12.02	15.39		
11	0.00	13.55	5.86	27.52	14.93	21.94	20.64	20.12	15.39	13.55	11.83	14.24		
12	0.00	14.93	5.86	37.94	15.16	25.56	17.78	17.78	15.39	13.09	12.02	13.78		
13	0.00	14.70	5.86	34.54	16.54	23.32	23.60	15.85	15.62	13.32	12.21	13.32		
14	0.00	13.55	5.86	22.48	17.52	20.12	75.60	14.70	15.62	13.09	12.40	13.09		
15	0.00	13.09	5.86	23.04	18.04	19.08	20.38	14.01	15.39	13.09	13.32	13.09		
16	0.00	12.63	6.00	43.52	18.82	25.00	10.88	12.63	15.62	13.32	17.52	13.09		
17	0.00	12.63	6.00	52.40	16.54	35.56	13.55	12.21	15.39	13.32	17.52	13.09		
18	0.00	12.86	5.58	46.16	15.16	33.86	62.18	19.08	15.39	13.32	18.56	13.09		
19	0.00	12.63	5.30	34.54	15.16	29.00	82.10	20.38	15.16	13.32	16.08	14.01		
20	0.00	12.21	5.58	28.70	15.39	28.70	78.60	20.12	15.16	13.09	17.26	14.47		
21	0.00	12.21	4.60	25.84	15.62	31.82	72.30	19.60	15.16	13.09	18.82	14.47		
22	0.00	12.21	4.60	24.16	15.62	50.45	66.78	19.08	15.16	13.55	16.08	14.24		
23	0.00	11.83	4.74	23.04	15.85	109.15	60.80	18.82	15.16	13.55	14.93	13.32		
24	0.00	11.45	4.74	23.32	16.31	112.40	55.76	18.56	14.93	13.55	13.78	13.32		
25	0.00	11.45	4.60	23.32	15.62	39.30	50.45	18.30	14.93	13.55	13.55	16.08		
26	0.00	11.26	4.18	22.20	15.62	52.01	39.30	18.04	15.16	13.32	13.55	19.08		
27	0.00	10.88	3.57	22.20	15.62	143.63	32.84	18.04	15.16	13.09	13.32	15.16		
28	0.00	10.88	3.68	22.76	16.77	187.40	27.24	17.78	15.16	13.09	13.09	14.24		
29	37.26	10.88	3.90	23.88	18.56	117.60	29.60	17.52	14.93	12.63		15.16		
30	46.16	10.88	3.68	24.72	44.60	69.54	33.52	17.00	14.70	12.40		20.64		
31		10.88		23.60	41.72		33.18		14.24	12.40		16.77		
Total	83.42	573.84	199.03	664.79	589.09	1515.09	1307.80	669.86	481.95	414.99	384.90	437.58	7322.34	CMSDAY
Mean	2.78	18.51	6.63	21.44	19.00	50.50	42.19	22.33	15.55	13.39	13.75	14.12	20.06	CMS
Max	46.16	54.50	10.88	52.40	44.60	187.40	82.10	47.72	17.26	14.47	18.82	20.64	187.40	CMS
Min	0.00	10.88	3.57	4.74	14.93	19.08	10.88	12.21	14.24	12.40	11.26	12.21	0.00	CMS
Runoff	7.21	49.58	17.20	57.44	50.90	130.90	112.99	57.88	41.64	35.86	33.26	37.81	632.65	MCM
Momentary Peak	236.75 CMS. at 72.05 m. (MSL.) at 21.00 Hours , on Sep 27, 2021													
Runoff Yield	16.73	Liters/Second/Square KM.			Momentary Peak Yield			197.46	Liters/Second/Square KM.					

WATER YEAR : 2021

SAKAE KRANG RIVER BASIN

Nam Mae Wong at Ban Pang Makha, Kamphaeng Phet (Ct.5A)

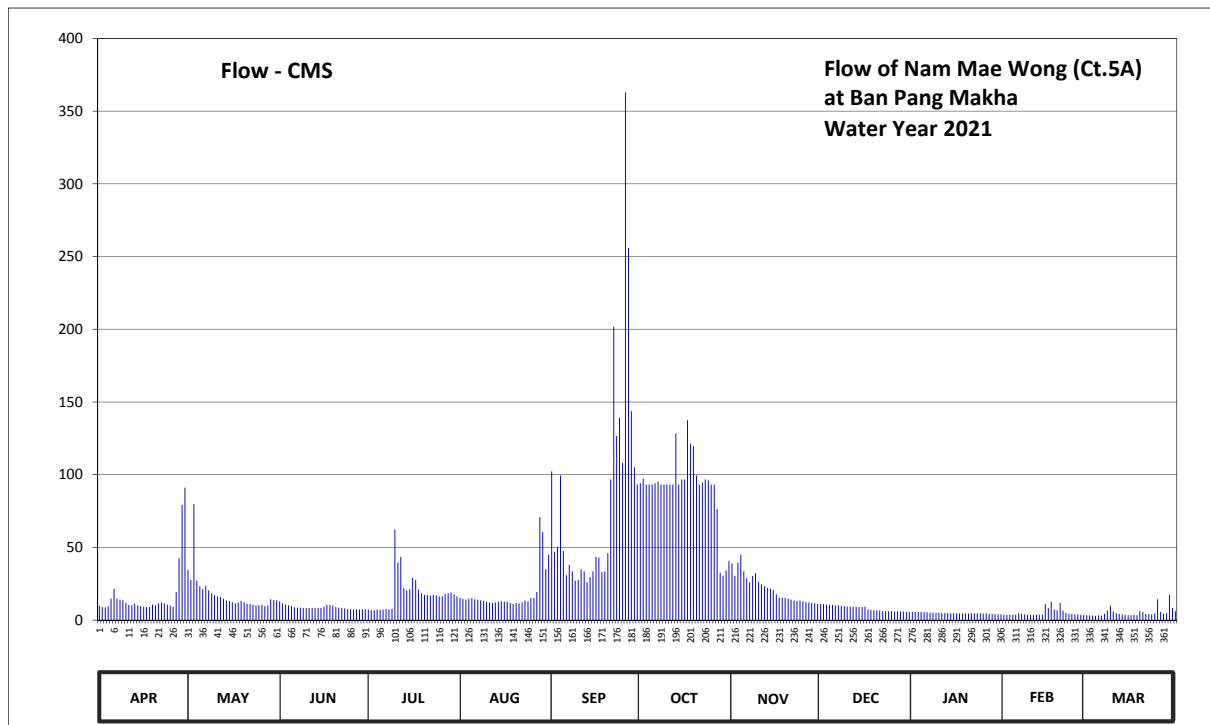
Lat 15 - 55 - 42 N Long 99 - 30 - 09 E

Location : on left bank behind Wat Pang Makha.

	Ban Pang Makha	Amphoe Khanu Worakabsaburi	Changwat Kamphaeng Phet
Drainge 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 15 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	103.83	104.60	103.94	103.72	104.02	105.74	105.62	104.70	103.87	103.63	103.50	103.48	
2	103.80	104.44	103.89	103.70	104.00	104.87	105.67	104.51	103.87	103.63	103.50	103.48	
3	103.79	105.42	103.86	103.69	103.98	104.94	105.61	104.71	103.86	103.62	103.51	103.47	
4	103.82	104.43	103.84	103.71	104.00	105.70	105.61	104.83	103.85	103.62	103.51	103.46	
5	104.01	104.31	103.82	103.70	104.02	104.88	105.61	104.58	103.85	103.61	103.51	103.48	
6	104.25	104.24	103.79	103.71	103.99	104.52	105.62	104.47	103.84	103.61	103.57	103.47	
7	104.01	104.32	103.78	103.73	103.98	104.68	105.64	104.40	103.84	103.60	103.54	103.54	
8	103.98	104.21	103.78	103.72	103.96	104.58	105.61	104.51	103.83	103.60	103.52	103.67	
9	103.97	104.14	103.77	103.74	103.95	104.43	105.61	104.55	103.82	103.59	103.50	103.83	
10	103.90	104.09	103.77	105.16	103.93	104.44	105.61	104.41	103.81	103.59	103.50	103.64	
11	103.85	104.06	103.77	104.71	103.91	104.61	105.61	104.35	103.81	103.59	103.50	103.57	
12	103.84	104.05	103.77	104.80	103.90	104.58	105.61	104.31	103.81	103.58	103.50	103.54	
13	103.88	104.00	103.77	104.26	103.91	104.40	106.06	104.27	103.81	103.58	103.51	103.52	
14	103.84	103.96	103.77	104.21	103.93	104.49	105.61	104.25	103.80	103.57	103.50	103.50	
15	103.82	103.94	103.77	104.24	103.94	104.58	105.66	104.22	103.80	103.57	103.88	103.49	
16	103.81	103.92	103.81	104.48	103.93	104.80	105.66	104.11	103.81	103.57	103.76	103.48	
17	103.80	103.89	103.85	104.44	103.93	104.79	106.16	104.03	103.71	103.56	103.93	103.50	
18	103.80	103.91	103.85	104.23	103.90	104.57	105.98	104.03	103.70	103.56	103.71	103.48	
19	103.86	103.95	103.84	104.14	103.88	104.58	105.96	104.02	103.69	103.56	103.68	103.65	
20	103.84	103.92	103.80	104.10	103.90	104.85	105.70	104.00	103.69	103.55	103.90	103.62	
21	103.89	103.88	103.78	104.09	103.89	105.66	105.61	103.98	103.67	103.57	103.67	103.54	
22	103.91	103.87	103.76	104.08	103.92	106.72	105.63	103.96	103.65	103.56	103.59	103.53	
23	103.89	103.86	103.75	104.10	103.96	106.04	105.66	103.95	103.66	103.56	103.55	103.52	
24	103.86	103.84	103.73	104.09	103.94	106.18	105.65	103.96	103.65	103.57	103.54	103.56	
25	103.83	103.84	103.72	104.06	104.02	105.82	105.61	103.94	103.65	103.56	103.52	103.99	
26	103.81	103.85	103.71	104.06	104.02	107.55	105.61	103.92	103.64	103.56	103.52	103.63	
27	104.17	103.82	103.72	104.12	104.17	107.07	105.37	103.91	103.65	103.54	103.50	103.55	
28	104.78	103.84	103.72	104.14	105.29	106.23	104.56	103.90	103.64	103.54	103.49	103.57	
29	105.41	103.99	103.72	104.16	105.13	105.78	104.51	103.89	103.64	103.53		104.10	
30	105.58	103.97	103.72	104.11	104.61	105.61	104.59	103.88	103.63	103.53		103.77	
31		103.97		104.06	104.83		104.74		103.63	103.52		103.65	
Mean	104.03	104.08	103.79	104.11	104.09	105.26	105.54	104.22	103.75	103.58	103.59	103.59	
Max	105.58	105.42	103.94	105.16	105.29	107.55	106.16	104.83	103.87	103.63	103.93	104.10	107.55
Min	103.79	103.82	103.71	103.69	103.88	104.40	104.51	103.88	103.63	103.52	103.49	103.46	103.46
Annual Max Momentary Gage Height	108.65		m. (MSL.) ,			at 18.00 Hours ,	on Sep 26, 2021						
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	9.84	34.50	12.92	7.40	15.16	102.30	93.90	39.00	10.96	5.74	3.60	3.28		
2	9.00	27.60	11.52	7.00	14.60	47.00	97.40	30.45	10.96	5.74	3.60	3.28		
3	8.80	79.90	10.68	6.82	14.04	50.50	93.20	39.45	10.68	5.56	3.76	3.12		
4	9.56	27.20	10.12	7.20	14.60	99.50	93.20	45.00	10.40	5.56	3.76	2.96		
5	14.88	23.30	9.56	7.00	15.16	47.50	93.20	33.60	10.40	5.38	3.76	3.28		
6	21.60	21.32	8.80	7.20	14.32	30.90	93.90	28.80	10.12	5.38	4.72	3.12		
7	14.88	23.60	8.60	7.60	14.04	38.10	95.30	26.00	10.12	5.20	4.24	4.24		
8	14.04	20.48	8.60	7.40	13.48	33.60	93.20	30.45	9.84	5.20	3.92	6.46		
9	13.76	18.52	8.40	7.80	13.20	27.20	93.20	32.25	9.56	5.04	3.60	9.84		
10	11.80	17.12	8.40	62.30	12.64	27.60	93.20	26.40	9.28	5.04	3.60	5.92		
11	10.40	16.28	8.40	39.45	12.08	34.95	93.20	24.50	9.28	5.04	3.60	4.72		
12	10.12	16.00	8.40	43.50	11.80	33.60	93.20	23.30	9.28	4.88	3.60	4.24		
13	11.24	14.60	8.40	21.88	12.08	26.00	128.40	22.16	9.28	4.88	3.76	3.92		
14	10.12	13.48	8.40	20.48	12.64	29.60	93.20	21.60	9.00	4.72	3.60	3.60		
15	9.56	12.92	8.40	21.32	12.92	33.60	96.70	20.76	9.00	4.72	11.24	3.44		
16	9.28	12.36	9.28	29.20	12.64	43.50	96.70	17.68	9.28	4.72	8.20	3.28		
17	9.00	11.52	10.40	27.60	12.64	43.05	137.40	15.44	7.20	4.56	12.64	3.60		
18	9.00	12.08	10.40	21.04	11.80	33.15	121.30	15.44	7.00	4.56	7.20	3.28		
19	10.68	13.20	10.12	18.52	11.24	33.60	119.60	15.16	6.82	4.56	6.64	6.10		
20	10.12	12.36	9.00	17.40	11.80	46.00	99.50	14.60	6.82	4.40	11.80	5.56		
21	11.52	11.24	8.60	17.12	11.52	96.70	93.20	14.04	6.46	4.72	6.46	4.24		
22	12.08	10.96	8.20	16.84	12.36	201.80	94.60	13.48	6.10	4.56	5.04	4.08		
23	11.52	10.68	8.00	17.40	13.48	126.60	96.70	13.20	6.28	4.56	4.40	3.92		
24	10.68	10.12	7.60	17.12	12.92	139.20	96.00	13.48	6.10	4.72	4.24	4.56		
25	9.84	10.12	7.40	16.28	15.16	108.10	93.20	12.92	6.10	4.56	3.92	14.32		
26	9.28	10.40	7.20	16.28	15.16	363.00	93.20	12.36	5.92	4.56	3.92	5.74		
27	19.36	9.56	7.40	17.96	19.36	255.90	76.40	12.08	6.10	4.24	3.60	4.40		
28	42.60	10.12	7.40	18.52	70.80	143.70	32.70	11.80	5.92	4.24	3.44	4.72		
29	79.20	14.32	7.40	19.08	60.65	105.10	30.45	11.52	5.92	4.08		17.40		
30	91.10	13.76	7.40	17.68	34.95	93.20	34.05	11.24	5.74	4.08		8.40		
31		13.76		16.28	45.00		40.80		5.74	3.92		6.10		
Total	524.86	553.38	265.40	578.67	574.24	2494.55	2800.20	648.16	251.66	149.12	145.86	165.12	9151.22	CMSDAY
Mean	17.50	17.85	8.85	18.67	18.52	83.15	90.33	21.61	8.12	4.81	5.21	5.33	25.07	CMS
Max	91.10	79.90	12.92	62.30	70.80	363.00	137.40	45.00	10.96	5.74	12.64	17.40	363.00	CMS
Min	8.80	9.56	7.20	6.82	11.24	26.00	30.45	11.24	5.74	3.92	3.44	2.96	2.96	CMS
Runoff	45.35	47.81	22.93	50.00	49.61	215.53	241.94	56.00	21.74	12.88	12.60	14.27	790.67	MCM
Momentary Peak	785.00 CMS. at 108.65 m. (MSL.) at 18.00 Hours , on Sep 26, 2021													
Runoff Yield	25.58	Liters/Second/Square KM.		Momentary Peak Yield		801.02	Liters/Second/Square KM.							

WATER YEAR : 2021

SAKAE KRANG RIVER BASIN

Khleng Pho at Ban Mai Khleng Charoen, Nakhon Sawan (Ct.7)

Lat 15 - 38 - 31 N Long 99 - 30 - 29 E

Location : on right bank at Ban Mai Khleng Charoen.

	Ban	Mai Khleng 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 6 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	101.05	101.50	102.30	101.05	101.05	101.05	101.80	101.70	101.10	101.05	101.05	101.05	
2	101.05	101.50	102.25	101.05	101.05	101.05	101.80	101.70	101.10	101.05	101.05	101.05	
3	101.05	101.50	102.25	101.05	101.05	101.05	102.40	101.70	101.10	101.05	101.05	101.05	
4	102.05	101.50	102.25	101.05	101.05	101.05	102.20	101.75	101.10	101.05	101.05	101.05	
5	102.05	101.50	102.20	101.05	101.05	101.05	102.10	101.90	101.05	101.05	101.05	101.05	
6	102.05	101.50	102.20	101.05	101.05	101.05	102.00	101.80	101.05	101.05	101.05	101.05	
7	102.05	101.50	101.20	101.05	101.05	101.05	102.75	101.80	101.05	101.05	101.05	101.05	
8	102.08	101.50	101.05	101.05	101.05	101.05	102.55	101.60	101.05	101.05	101.05	101.05	
9	102.08	101.50	101.05	101.05	101.05	101.05	102.20	101.60	101.05	101.05	101.05	101.05	
10	102.08	101.50	101.05	101.05	101.05	101.05	101.90	101.50	101.05	101.05	101.05	101.05	
11	102.08	101.50	101.05	101.05	101.05	101.05	101.80	101.50	101.05	101.05	101.05	101.05	
12	102.05	101.50	101.05	101.05	101.05	101.05	103.00	101.50	101.05	101.05	101.05	101.05	
13	102.35	101.50	101.05	101.05	101.05	101.05	103.88	101.40	101.05	101.05	101.05	101.05	
14	102.35	101.50	101.05	101.05	101.05	101.05	103.80	101.40	101.05	101.05	101.05	101.05	
15	102.35	101.50	101.05	101.05	101.05	101.05	103.50	101.30	101.05	101.05	101.05	101.05	
16	101.80	101.80	101.05	101.05	101.05	101.05	102.90	101.30	101.05	101.05	101.05	101.05	
17	101.77	101.80	101.05	101.05	101.05	101.05	102.80	101.30	101.05	101.05	101.05	101.05	
18	101.77	101.80	101.05	101.05	101.05	101.05	103.10	101.30	101.05	101.05	101.05	101.05	
19	101.75	101.80	101.05	101.05	101.05	101.05	103.00	101.25	101.05	101.05	101.05	101.05	
20	101.65	101.80	101.05	101.05	101.05	101.05	102.80	101.20	101.05	101.05	101.05	101.05	
21	101.65	101.80	101.05	101.05	101.05	101.05	102.80	101.20	101.05	101.70	101.05	101.05	
22	101.65	102.30	101.05	101.05	101.05	101.05	101.05	101.20	101.05	101.70	101.05	101.05	
23	101.65	102.30	101.05	101.05	101.05	102.10	101.05	101.20	101.05	101.70	101.05	101.05	
24	101.05	102.30	101.05	101.05	101.05	102.54	101.05	101.20	101.05	101.80	101.05	101.05	
25	101.05	101.50	101.05	101.05	101.05	102.50	101.05	101.20	101.05	101.50	101.05	101.05	
26	101.05	101.50	101.05	101.05	101.05	101.45	101.05	101.15	101.05	101.50	101.05	101.05	
27	101.05	101.50	101.05	101.05	101.05	104.80	101.05	101.15	101.05	101.50	101.05	101.05	
28	101.05	101.50	101.05	101.05	101.05	104.50	101.05	101.10	101.05	101.50	101.05	101.05	
29	101.05	102.35	101.05	101.05	101.05	101.05	101.05	101.10	101.05	101.05		101.05	
30	101.05	102.30	101.05	101.05	101.05	101.80	101.70	101.10	101.05	101.05		101.05	
31		102.30		101.05	101.05		101.70		101.05	101.05		101.05	
Mean	101.66	101.71	101.29	101.05	101.05	101.46	102.16	101.40	101.06	101.20	101.05	101.05	
Max	102.35	102.35	102.30	101.05	101.05	104.80	103.88	101.90	101.10	101.80	101.05	101.05	104.80
Min	101.05	101.50	101.05	101.05	101.05	101.05	101.05	101.10	101.05	101.05	101.05	101.05	101.05
Annual Max Momentary Gage Height	104.80		m. (MSL.) ,			at 06.00 Hours ,	on Sep 27, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	101.00	m. (MSL.)					
Left Bank Elevation		108.15	m. (MSL.) ,										
Right Bank Elevation		107.83	m. (MSL.) ,			Drainage Are	391	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.35	5.50	20.50	0.35	0.35	0.35	10.40	8.70	0.70	0.35	0.35	0.35		
2	0.35	5.50	19.40	0.35	0.35	0.35	10.40	8.70	0.70	0.35	0.35	0.35		
3	0.35	5.50	19.40	0.35	0.35	0.35	22.80	8.70	0.70	0.35	0.35	0.35		
4	15.20	5.50	19.40	0.35	0.35	0.35	18.30	9.55	0.70	0.35	0.35	0.35		
5	15.20	5.50	18.30	0.35	0.35	0.35	16.20	12.20	0.35	0.35	0.35	0.35		
6	15.20	5.50	18.30	0.35	0.35	0.35	14.20	10.40	0.35	0.35	0.35	0.35		
7	15.20	5.50	1.60	0.35	0.35	0.35	32.80	10.40	0.35	0.35	0.35	0.35		
8	15.80	5.50	0.35	0.35	0.35	0.35	26.90	7.00	0.35	0.35	0.35	0.35		
9	15.80	5.50	0.35	0.35	0.35	0.35	18.30	7.00	0.35	0.35	0.35	0.35		
10	15.80	5.50	0.35	0.35	0.35	0.35	12.20	5.50	0.35	0.35	0.35	0.35		
11	15.80	5.50	0.35	0.35	0.35	0.35	10.40	5.50	0.35	0.35	0.35	0.35		
12	15.20	5.50	0.35	0.35	0.35	0.35	41.00	5.50	0.35	0.35	0.35	0.35		
13	21.65	5.50	0.35	0.35	0.35	0.35	80.62	4.10	0.35	0.35	0.35	0.35		
14	21.65	5.50	0.35	0.35	0.35	0.35	76.30	4.10	0.35	0.35	0.35	0.35		
15	21.65	5.50	0.35	0.35	0.35	0.35	61.30	2.80	0.35	0.35	0.35	0.35		
16	10.40	10.40	0.35	0.35	0.35	0.35	37.50	2.80	0.35	0.35	0.35	0.35		
17	9.89	10.40	0.35	0.35	0.35	0.35	34.30	2.80	0.35	0.35	0.35	0.35		
18	9.89	10.40	0.35	0.35	0.35	0.35	44.60	2.80	0.35	0.35	0.35	0.35		
19	9.55	10.40	0.35	0.35	0.35	0.35	41.00	2.20	0.35	0.35	0.35	0.35		
20	7.85	10.40	0.35	0.35	0.35	0.35	34.30	1.60	0.35	0.35	0.35	0.35		
21	7.85	10.40	0.35	0.35	0.35	0.35	34.30	1.60	0.35	8.70	0.35	0.35		
22	7.85	20.50	0.35	0.35	0.35	0.35	0.35	1.60	0.35	8.70	0.35	0.35		
23	7.85	20.50	0.35	0.35	0.35	16.20	0.35	1.60	0.35	8.70	0.35	0.35		
24	0.35	20.50	0.35	0.35	0.35	26.62	0.35	1.60	0.35	10.40	0.35	0.35		
25	0.35	5.50	0.35	0.35	0.35	25.50	0.35	1.60	0.35	5.50	0.35	0.35		
26	0.35	5.50	0.35	0.35	0.35	4.80	0.35	1.15	0.35	5.50	0.35	0.35		
27	0.35	5.50	0.35	0.35	0.35	137.70	0.35	1.15	0.35	5.50	0.35	0.35		
28	0.35	5.50	0.35	0.35	0.35	117.60	0.35	0.70	0.35	5.50	0.35	0.35		
29	0.35	21.65	0.35	0.35	0.35	0.35	0.35	0.70	0.35	0.35		0.35		
30	0.35	20.50	0.35	0.35	0.35	10.40	8.70	0.70	0.35	0.35		0.35		
31		20.50		0.35	0.35		8.70		0.35	0.35		0.35		
Total	278.78	291.05	124.95	10.85	10.85	346.87	698.32	134.75	12.25	66.55	9.80	10.85	1995.87	CMSDAY
Mean	9.29	9.												

WATER YEAR : 2021

SAKAE KRANG RIVER BASIN

Nam Mae Wong at Ban Khok Mo, Uthai Thani (Ct.8)

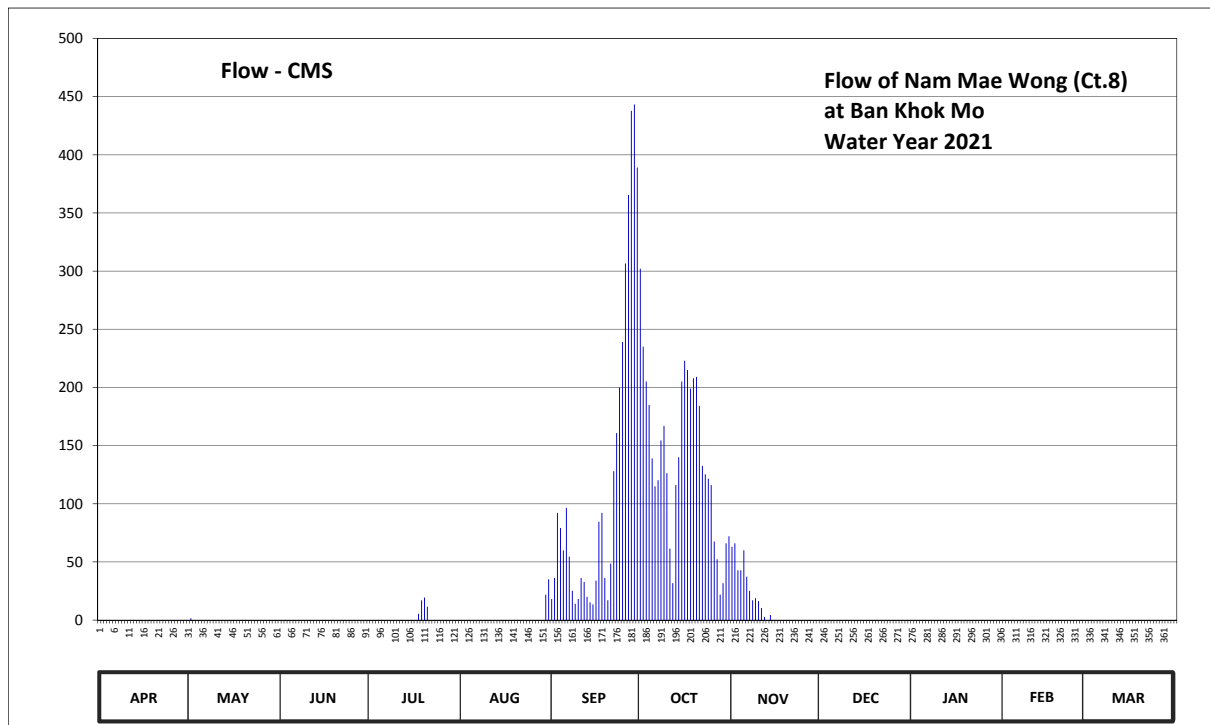
Lat 15 - 32 - 21 N Long 99 - 53 - 41 E

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 10 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	26.49	30.32	27.76	27.50	30.00	30.72	33.58	31.14	29.95	27.81	27.19	26.48	
2	26.49	30.43	27.77	27.49	29.77	30.92	33.01	31.16	29.81	27.79	27.18	27.18	
3	26.49	30.25	28.20	27.48	29.49	31.31	32.71	30.98	29.66	27.74	27.18	27.18	
4	26.48	30.18	28.40	27.45	29.30	31.24	32.50	30.98	29.47	27.42	27.18	27.18	
5	26.48	30.27	28.31	27.41	29.13	31.12	31.98	31.12	29.30	27.17	27.18	27.18	
6	26.48	30.16	28.22	27.41	28.91	31.33	31.46	30.93	29.16	27.17	27.18	27.21	
7	26.48	30.11	28.10	27.39	28.75	31.08	31.57	30.82	29.02	27.17	27.18	27.19	
8	26.48	30.08	28.37	27.37	28.61	30.82	32.16	30.70	28.89	27.17	27.18	27.18	
9	26.48	30.03	28.53	27.35	28.48	30.65	32.30	30.73	28.78	27.17	27.18	27.18	
10	26.48	30.00	28.61	27.34	28.37	30.72	31.70	30.69	28.67	27.17	27.18	27.18	
11	26.48	29.98	28.38	27.39	28.30	30.92	31.13	30.59	28.54	27.17	27.18	27.18	
12	26.48	29.95	28.03	27.40	28.32	30.89	30.88	30.45	28.41	27.17	27.18	27.18	
13	26.48	29.84	27.83	27.40	28.35	30.75	31.48	30.35	28.31	27.18	27.18	27.18	
14	26.48	29.67	27.77	27.46	28.40	30.67	32.00	30.48	28.24	27.18	27.18	27.18	
15	26.48	29.49	27.75	27.91	28.44	30.64	32.71	30.36	28.22	27.18	27.18	27.18	
16	26.78	29.28	27.76	30.00	28.69	30.90	32.89	30.34	28.18	27.18	27.18	27.18	
17	28.00	29.09	27.76	30.25	28.76	31.27	32.81	30.38	28.14	27.18	27.18	27.18	
18	27.90	28.89	27.74	30.50	28.61	31.31	32.65	30.39	28.09	27.19	27.18	27.18	
19	27.97	28.70	27.73	30.70	28.46	30.92	32.74	30.39	28.04	27.18	27.18	27.18	
20	28.17	28.50	27.72	30.74	28.42	30.70	32.75	30.25	28.01	27.18	27.18	27.18	
21	28.41	28.31	27.70	30.61	28.40	31.03	32.49	30.08	28.01	27.18	27.18	27.18	
22	28.54	28.11	27.66	30.39	28.37	31.74	31.84	30.11	28.01	27.18	27.18	27.18	
23	28.57	27.89	27.61	30.19	28.33	32.23	31.68	30.32	28.01	27.18	27.18	27.18	
24	28.49	27.75	27.55	30.16	28.29	32.66	31.60	30.35	28.00	27.18	27.18	27.18	
25	28.29	27.67	27.48	30.16	28.26	33.05	31.48	30.18	27.98	27.18	27.18	27.18	
26	28.09	27.72	27.42	30.16	28.24	33.61	31.17	30.10	27.97	27.18	27.18	27.18	
27	27.89	27.79	27.39	30.15	28.55	33.99	31.06	30.05	27.96	27.18	27.18	27.18	
28	27.57	27.81	27.45	30.15	29.32	34.41	30.78	30.04	27.92	27.18	27.18	27.18	
29	27.67	27.83	27.49	30.12	30.15	34.44	30.88	30.04	27.87	27.18		27.18	
30	27.72	27.82	27.50	30.10	30.78	34.13	31.16	30.03	27.84	27.18		27.18	
31		27.80		30.05	30.91		31.20		27.82	27.18		27.18	
Mean	27.24	29.09	27.87	28.91	28.88	31.67	31.95	30.48	28.46	27.24	27.18	27.16	
Max	28.57	30.43	28.61	30.74	30.91	34.44	33.58	31.16	29.95	27.81	27.19	27.21	34.44
Min	26.48	27.67	27.39	27.34	28.24	30.64	30.78	30.03	27.82	27.17	27.18	26.48	26.48
Annual Max Momentary Gage Height	34.63		m. (MSL.) ,			at 23.00 Hours , on Sep 28, 2021							
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					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	0.00	18.20	302.00	63.00	0.00	0.00	0.00	0.00	
2	0.00	1.65	0.00	0.00	0.00	36.20	235.00	66.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	92.20	205.00	42.80	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	79.20	185.00	42.80	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	60.00	139.08	60.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	96.60	115.00	37.30	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	54.60	120.22	25.20	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	25.20	154.40	17.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	14.00	167.00	18.80	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	18.20	126.20	16.40	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	36.20	61.50	10.45	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	32.90	31.80	2.75	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.00	20.00	116.00	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.00	15.20	140.00	4.40	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.00	13.40	205.00	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.00	34.00	223.00	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.00	84.60	215.00	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	5.50	0.00	92.20	199.00	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	17.00	0.00	36.20	208.00	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	19.40	0.00	17.00	209.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	11.60	0.00	48.60	184.10	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.00	128.04	132.64	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	160.70	125.28	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.00	200.00	121.60	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	239.00	116.00	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	306.50	67.50	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	365.40	52.20	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.00	437.80	21.80	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	443.20	31.80	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	21.80	389.10	66.00	0.00	0.00	0.00	0.00	0.00	
31		0.00		0.00	35.10		72.00		0.00	0.00		0.00	
Total	0.00	1.65	0.00	53.50	56.90	3594.44	4348.12	406.90	0.00	0.00	0.00	0.00	8461.51
Mean	0.00	0.05	0.00	1.73	1.84	119.81	140.26	13.56	0.00	0.00	0.00	0.00	23.18
Max	0.00	1.65	0.00	19.40	35.10	443.20	302.00	66.00	0.00	0.00	0.00	0.00	443.20
Min	0.00	0.00	0.00	0.00	0.00	13.40	21.80	0.00	0.00	0.00	0.00	0.00	0.00
Runoff	0.00	0.14	0.00	4.62	4.92	310.56	375.68	35.16	0.00	0.00	0.00	0.00	731.07
Momentary Peak	477.40	CMS. at 34.63 m. (MSL.) at 23.00 Hours , on Sep 28, 2021											
Runoff Yield	8.17	Liters/Second/Square KM.					Momentary Peak Yield	168.16	Liters/Second/Square KM.				

WATER YEAR : 2021

SAKAE KRANG RIVER BASIN

Huai Tak Dad at Ban Don Yai, Uthai Thani (Ct.19)

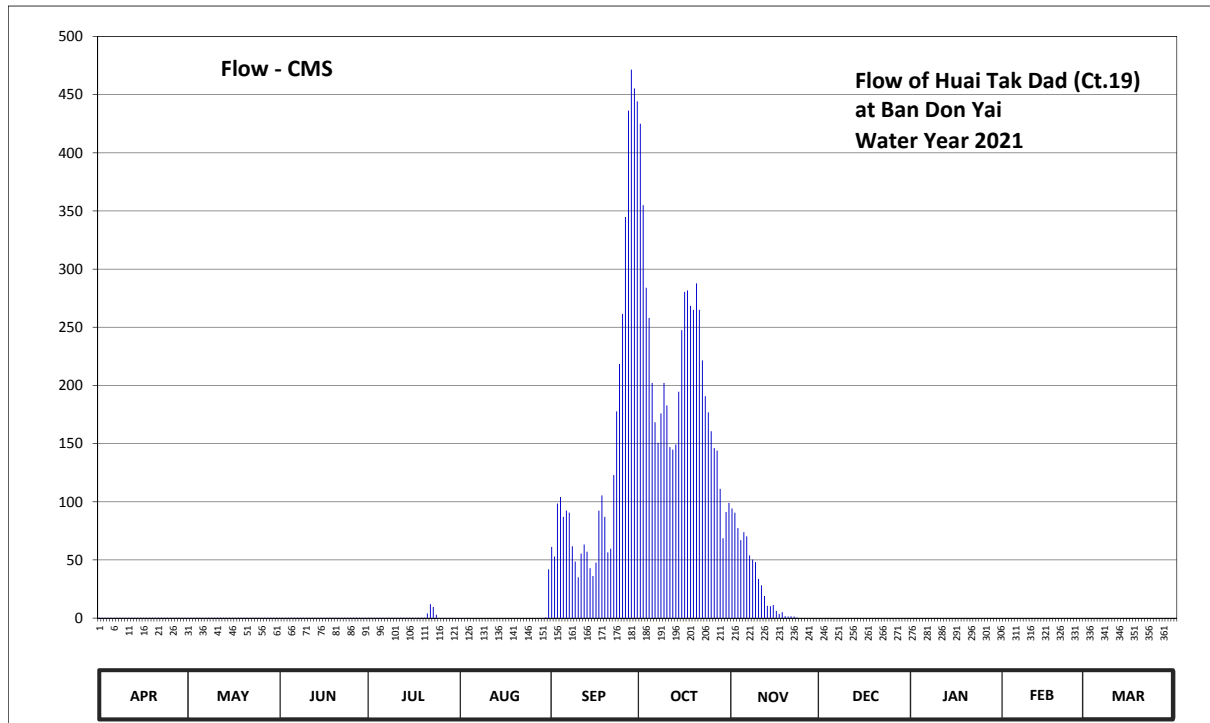
Lat 15 - 27 - 37 N Long 100 - 01 - 18 E

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 12 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	17.26	17.26	17.26	17.26	17.21	19.40	23.10	19.97	17.11	17.11	17.11	17.11	
2	17.26	17.26	17.26	17.26	17.21	19.24	22.64	19.91	17.11	17.11	17.11	17.11	
3	17.26	17.26	17.26	17.26	17.21	20.04	22.10	19.69	17.11	17.11	17.11	17.11	
4	17.26	17.26	17.26	17.26	17.21	20.13	21.88	19.51	17.11	17.11	17.11	17.11	
5	17.26	17.26	17.26	17.26	17.17	19.85	21.36	19.63	17.11	17.11	17.11	17.11	
6	17.26	17.26	17.26	17.26	17.09	19.94	20.98	19.57	17.11	17.11	17.11	17.11	
7	17.26	17.26	17.26	17.26	17.09	19.91	20.77	19.26	17.11	17.11	17.11	17.11	
8	17.26	17.26	17.26	17.26	17.09	19.41	21.07	19.19	17.11	17.11	17.11	17.11	
9	17.26	17.26	17.26	17.26	17.09	19.15	21.36	19.14	17.11	17.11	17.11	17.11	
10	17.26	17.26	17.26	17.26	17.09	18.83	21.15	18.79	17.11	17.11	17.11	17.11	
11	17.26	17.26	17.26	17.26	17.09	19.29	20.72	18.64	17.11	17.11	17.11	17.11	
12	17.26	17.26	17.26	17.26	17.09	19.44	20.69	18.35	17.11	17.11	17.11	17.11	
13	17.26	17.26	17.26	17.26	17.09	19.32	20.75	18.03	17.11	17.11	17.11	17.11	
14	17.26	17.26	17.26	17.26	17.09	19.02	21.28	18.01	17.11	17.11	17.11	17.11	
15	17.26	17.26	17.26	17.26	17.09	18.86	21.79	18.06	17.11	17.11	17.11	17.11	
16	17.26	17.26	17.26	17.26	17.09	19.13	22.07	17.80	17.11	17.11	17.11	17.11	
17	17.26	17.26	17.26	17.26	17.09	19.94	22.08	17.58	17.11	17.11	17.11	17.11	
18	17.26	17.26	17.26	17.26	17.09	20.15	21.97	17.71	17.11	17.11	17.11	17.11	
19	17.26	17.26	17.26	17.26	17.09	19.85	21.94	17.42	17.11	17.11	17.11	17.11	
20	17.26	17.26	17.26	17.26	17.09	19.31	22.13	17.40	17.11	17.11	17.11	17.11	
21	17.26	17.26	17.26	17.62	17.09	19.37	21.94	17.41	17.11	17.11	17.11	17.11	
22	17.26	17.26	17.26	18.10	17.09	20.40	21.55	17.40	17.11	17.11	17.11	17.11	
23	17.26	17.26	17.26	17.98	17.09	21.09	21.24	17.27	17.11	17.11	17.11	17.11	
24	17.26	17.26	17.26	17.52	17.09	21.52	21.08	17.11	17.11	17.11	17.11	17.11	
25	17.26	17.26	17.26	17.21	17.09	21.91	20.89	17.11	17.11	17.11	17.11	17.11	
26	17.26	17.26	17.26	17.21	17.09	22.57	20.71	17.11	17.11	17.11	17.11	17.11	
27	17.26	17.26	17.26	17.21	17.09	23.17	20.68	17.11	17.11	17.11	17.11	17.11	
28	17.26	17.26	17.26	17.21	17.09	23.39	20.23	17.11	17.11	17.11	17.11	17.11	
29	17.26	17.26	17.26	17.21	17.09	23.29	19.54	17.11	17.11	17.11		17.11	
30	17.26	17.26	17.26	17.21	17.29	23.22	19.92	17.11	17.11	17.11		17.11	
31		17.26		17.21	19.00		20.05		17.11	17.11		17.11	
Mean	17.26	17.26	17.26	17.32	17.18	20.34	21.28	18.18	17.11	17.11	17.11	17.11	
Max	17.26	17.26	17.26	18.10	19.00	23.39	23.10	19.97	17.11	17.11	17.11	17.11	23.39
Min	17.26	17.26	17.26	17.21	17.09	18.83	19.54	17.11	17.11	17.11	17.11	17.11	17.09
Annual Max Momentary Gage Height	23.43		m. (MSL.) ,			at 19.00 Hours , on Sep 28, 2021							
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.42	0.42	0.42	0.42	0.07	61.20	425.00	94.20	0.00	0.00	0.00	0.00	
2	0.42	0.42	0.42	0.42	0.07	52.88	355.00	90.60	0.00	0.00	0.00	0.00	
3	0.42	0.42	0.42	0.42	0.07	98.40	284.00	77.40	0.00	0.00	0.00	0.00	
4	0.42	0.42	0.42	0.42	0.07	104.10	258.00	66.96	0.00	0.00	0.00	0.00	
5	0.42	0.42	0.42	0.42	0.00	87.00	202.20	73.80	0.00	0.00	0.00	0.00	
6	0.42	0.42	0.42	0.42	0.00	92.40	168.30	70.32	0.00	0.00	0.00	0.00	
7	0.42	0.42	0.42	0.42	0.00	90.60	150.75	53.92	0.00	0.00	0.00	0.00	
8	0.42	0.42	0.42	0.42	0.00	61.72	175.95	50.36	0.00	0.00	0.00	0.00	
9	0.42	0.42	0.42	0.42	0.00	48.60	202.20	48.16	0.00	0.00	0.00	0.00	
10	0.42	0.42	0.42	0.42	0.00	35.08	182.75	33.64	0.00	0.00	0.00	0.00	
11	0.42	0.42	0.42	0.42	0.00	55.48	147.00	28.24	0.00	0.00	0.00	0.00	
12	0.42	0.42	0.42	0.42	0.00	63.28	144.75	19.00	0.00	0.00	0.00	0.00	
13	0.42	0.42	0.42	0.42	0.00	57.04	149.25	10.60	0.00	0.00	0.00	0.00	
14	0.42	0.42	0.42	0.42	0.00	42.88	194.60	10.20	0.00	0.00	0.00	0.00	
15	0.42	0.42	0.42	0.42	0.00	36.16	247.50	11.20	0.00	0.00	0.00	0.00	
16	0.42	0.42	0.42	0.42	0.00	47.72	280.40	6.20	0.00	0.00	0.00	0.00	
17	0.42	0.42	0.42	0.42	0.00	92.40	281.60	3.56	0.00	0.00	0.00	0.00	
18	0.42	0.42	0.42	0.42	0.00	105.50	268.50	5.12	0.00	0.00	0.00	0.00	
19	0.42	0.42	0.42	0.42	0.00	87.00	265.00	1.64	0.00	0.00	0.00	0.00	
20	0.42	0.42	0.42	0.42	0.00	56.52	287.70	1.40	0.00	0.00	0.00	0.00	
21	0.42	0.42	0.42	4.04	0.00	59.64	265.00	1.52	0.00	0.00	0.00	0.00	
22	0.42	0.42	0.42	12.00	0.00	123.00	221.50	1.40	0.00	0.00	0.00	0.00	
23	0.42	0.42	0.42	9.62	0.00	177.65	190.80	0.49	0.00	0.00	0.00	0.00	
24	0.42	0.42	0.42	2.84	0.00	218.40	176.80	0.00	0.00	0.00	0.00	0.00	
25	0.42	0.42	0.42	0.07	0.00	261.50	160.65	0.00	0.00	0.00	0.00	0.00	
26	0.42	0.42	0.42	0.07	0.00	344.80	146.25	0.00	0.00	0.00	0.00	0.00	
27	0.42	0.42	0.42	0.07	0.00	436.20	144.00	0.00	0.00	0.00	0.00	0.00	
28	0.42	0.42	0.42	0.07	0.00	471.40	111.10	0.00	0.00	0.00	0.00	0.00	
29	0.42	0.42	0.42	0.07	0.00	455.40	68.64	0.00	0.00	0.00		0.00	
30	0.42	0.42	0.42	0.07	0.63	444.20	91.20	0.00	0.00	0.00		0.00	
31		0.42		0.07	42.00		99.00		0.00	0.00		0.00	
Total	12.60	13.02	12.60	37.39	42.91	4368.15	6345.39	759.93	0.00	0.00	0.00	0.00	11591.99 CMSDAY
Mean	0.42	0.42	0.42	1.21	1.38	145.61	204.69	25.33	0.00	0.00	0.00	0.00	31.76 CMS
Max	0.42	0.42	0.42	12.00	42.00	471.40	425.00	94.20	0.00	0.00	0.00	0.00	471.40 CMS
Min	0.42	0.42	0.42	0.07	0.00	35.08	68.64	0.00	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	1.09	1.12	1.09	3.23	3.71	377.41	548.24	65.66	0.00	0.00	0.00	0.00	1001.55 MCM
Momentary Peak	477.80	CMS.	at 23.43 m. (MSL.)	at 19.00 Hours	on Sep 28, 2021								
Runoff Yield	7.78	Liters/Second/Square KM.			Momentary Peak Yield	117.02	Liters/Second/Square KM.						

WATER YEAR : 2021

SAKAE KRANG RIVER BASIN

Lower Huai Thap Salao at Ban Saphan Leak, Uthai Thani (Ct.20)

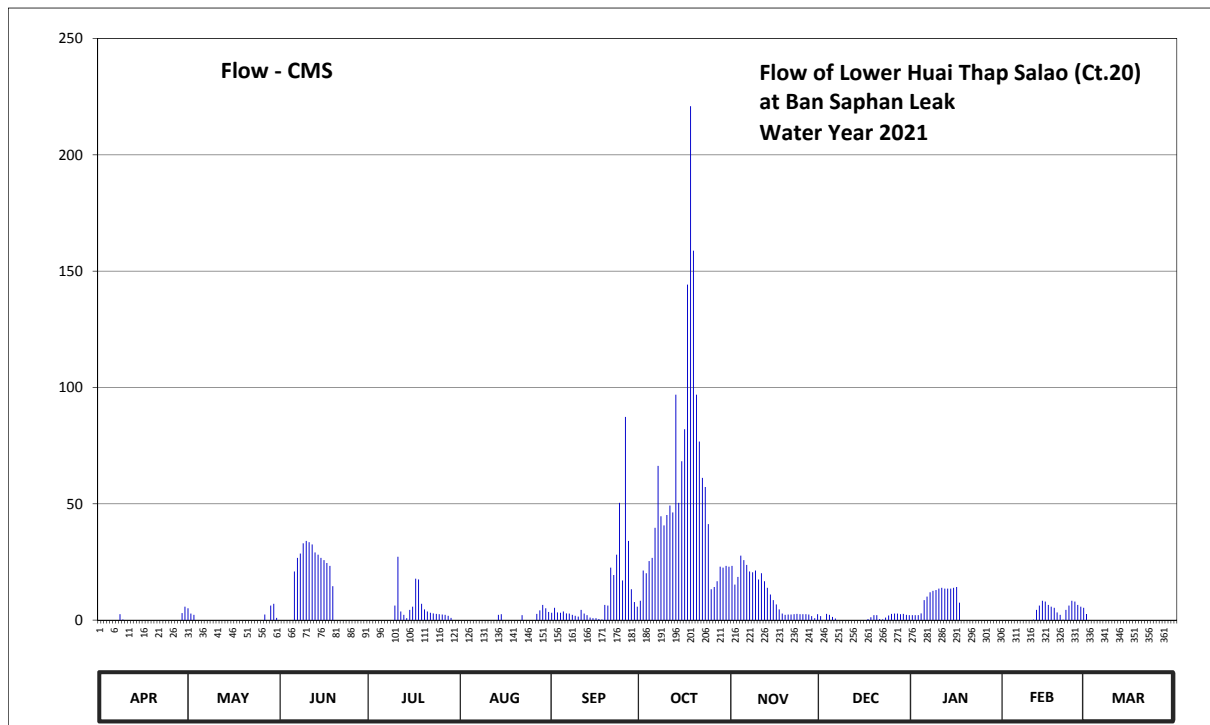
Lat 15 - 26 - 50 N Long 99 - 35 - 13 E

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 14 discharge measurements made in 2021.		

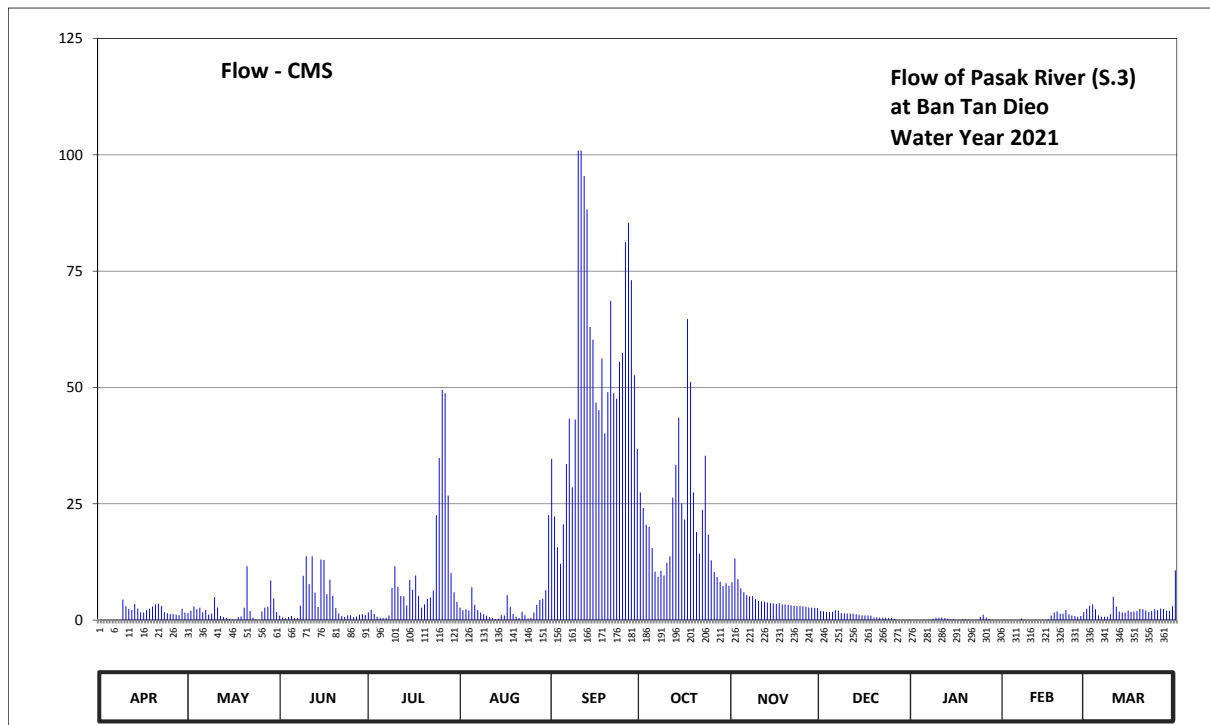
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	98.63	99.18	98.57	98.29	98.70	99.09	99.31	99.74	98.98	99.01	98.08	99.02	
2	98.62	99.06	98.38	98.31	98.64	99.19	99.69	99.53	98.81	99.01	98.01	98.66	
3	98.61	99.02	98.30	98.32	98.62	99.10	99.66	99.62	99.05	99.01	97.98	98.37	
4	98.58	98.78	98.27	98.30	98.60	99.09	99.79	99.84	99.02	99.07	98.02	98.23	
5	98.61	98.65	98.25	98.27	98.62	99.12	99.82	99.80	98.95	99.32	98.04	98.15	
6	98.62	98.55	99.68	98.25	98.62	99.07	100.08	99.75	98.90	99.37	98.06	98.15	
7	98.69	98.51	99.82	98.23	98.59	99.06	100.52	99.68	98.78	99.43	98.06	98.23	
8	99.04	98.46	99.86	98.20	98.49	99.02	100.17	99.67	98.65	99.45	98.06	98.36	
9	98.84	98.68	99.95	98.41	98.34	98.99	100.10	99.69	98.52	99.46	98.06	98.41	
10	98.65	98.59	99.97	99.23	98.32	98.96	100.18	99.59	98.30	99.48	98.26	98.32	
11	98.56	98.57	99.96	99.83	98.30	99.15	100.25	99.66	98.17	99.49	98.83	98.24	
12	98.47	98.49	99.94	99.12	98.31	99.06	100.20	99.57	98.15	99.48	99.15	98.18	
13	98.41	98.42	99.87	99.02	98.49	99.01	100.93	99.49	98.19	99.48	99.23	98.24	
14	98.35	98.32	99.85	98.91	99.02	98.93	100.27	99.40	98.17	99.48	99.31	98.34	
15	98.31	98.22	99.82	99.15	99.04	98.91	100.55	99.32	98.16	99.49	99.30	98.42	
16	98.27	98.23	99.80	99.21	98.75	98.91	100.74	99.25	98.65	99.50	99.24	98.44	
17	98.25	98.22	99.77	99.60	98.63	98.87	101.41	99.16	98.87	99.28	99.21	98.43	
18	98.28	98.20	99.74	99.59	98.51	98.84	101.97	99.06	98.94	98.43	99.19	98.20	
19	98.30	98.20	99.51	99.26	98.33	99.24	101.53	99.02	99.01	98.30	99.10	98.15	
20	98.27	98.21	98.75	99.16	98.29	99.23	100.93	99.03	99.01	98.21	99.02	98.18	
21	98.25	98.24	98.38	99.12	98.28	99.72	100.67	99.03	98.87	98.16	98.83	98.17	
22	98.23	98.22	98.31	99.09	99.01	99.64	100.44	99.04	98.85	98.16	99.15	98.16	
23	98.22	98.21	98.77	99.07	98.66	99.85	100.38	99.05	98.93	98.16	99.23	98.25	
24	98.23	98.19	98.67	99.05	98.47	100.27	100.11	99.04	99.00	98.15	99.31	98.16	
25	98.23	98.16	98.54	99.04	98.32	99.58	99.47	99.04	99.05	98.15	99.30	98.19	
26	98.24	98.20	98.43	99.03	98.43	100.81	99.50	99.04	99.06	98.15	99.24	98.36	
27	98.27	99.03	98.42	99.02	99.05	99.97	99.57	99.03	99.06	98.14	99.21	98.35	
28	98.60	98.69	98.37	98.99	99.14	99.47	99.73	98.98	99.04	98.10	99.19	98.40	
29	99.08	99.23	98.34	98.92	99.24	99.29	99.72	98.91	99.05	98.09		98.42	
30	99.21	99.26	98.30	98.80	99.18	99.21	99.74	99.04	99.02	98.09		98.41	
31		98.92		98.75	99.11		99.73		99.01	98.08		98.41	
Mean	98.50	98.55	99.09	98.89	98.65	99.29	100.23	99.34	98.78	98.81	98.77	98.32	
Max	99.21	99.26	99.97	99.83	99.24	100.81	101.97	99.84	99.06	99.50	99.31	99.02	101.97
Min	98.22	98.16	98.25	98.20	98.28	98.84	99.31	98.91	98.15	98.08	97.98	98.15	97.98
Annual Max Momentary Gage Height	102.20		m. (MSL.) ,			at 06.00 Hours ,	on Oct 18, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	96.88	m. (MSL.)					
Left Bank Elevation		104.36	m. (MSL.) ,										
Right Bank Elevation		104.34	m. (MSL.) ,			Drainage Are	674	Square Kilometers					



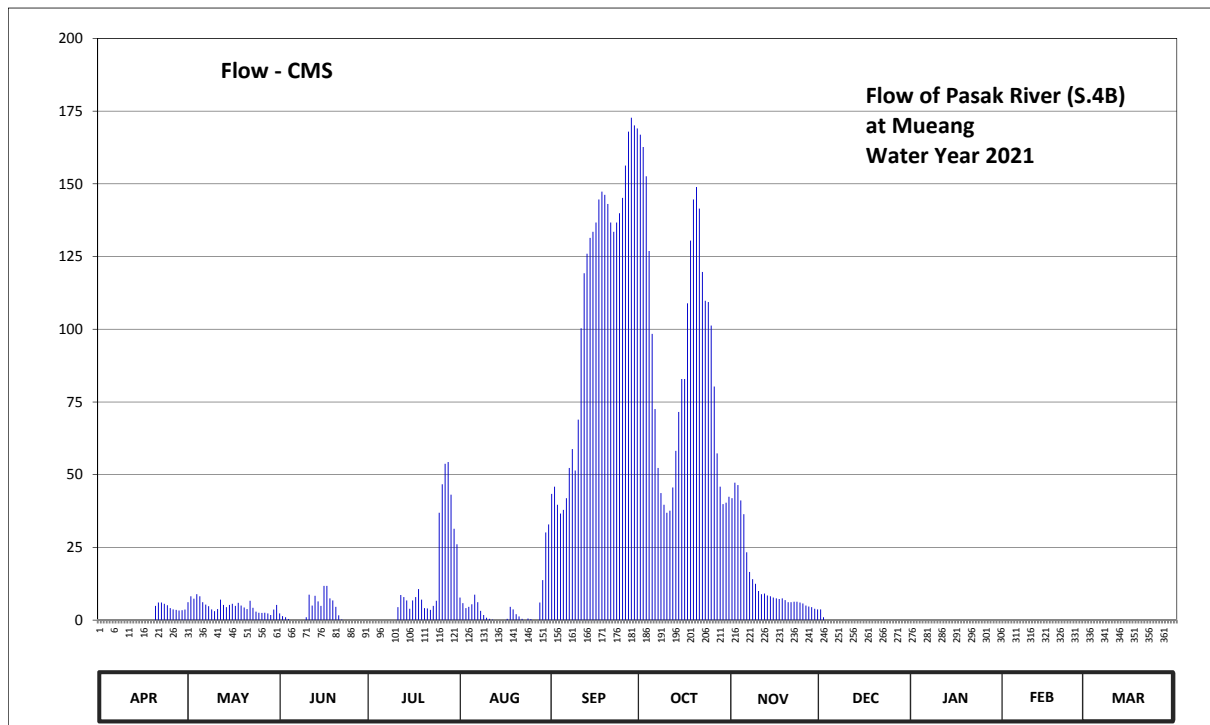
Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	5.06	0.00	0.00	0.00	3.17	8.30	23.34	1.74	2.13	0.00	2.26	
2	0.00	2.78	0.00	0.00	0.00	5.28	21.31	15.28	0.07	2.13	0.00	0.00	
3	0.00	2.26	0.00	0.00	0.00	3.30	20.14	18.58	2.65	2.13	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	3.17	25.39	27.68	2.26	2.91	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	3.74	26.74	25.80	1.35	8.60	0.00	0.00	
6	0.00	0.00	20.92	0.00	0.00	2.91	39.66	23.75	0.70	10.10	0.00	0.00	
7	0.00	0.00	26.74	0.00	0.00	2.78	66.30	20.92	0.00	11.96	0.00	0.00	
8	2.52	0.00	28.62	0.00	0.00	2.26	44.62	20.53	0.00	12.60	0.00	0.00	
9	0.28	0.00	33.00	0.00	0.00	1.87	40.70	21.31	0.00	12.92	0.00	0.00	
10	0.00	0.00	34.00	6.25	0.00	1.48	45.18	17.44	0.00	13.56	0.00	0.00	
11	0.00	0.00	33.50	27.21	0.00	4.40	49.25	20.14	0.00	13.88	0.21	0.00	
12	0.00	0.00	32.50	3.74	0.00	2.78	46.30	16.72	0.00	13.56	4.40	0.00	
13	0.00	0.00	29.09	2.26	0.00	2.13	96.90	13.88	0.00	13.56	6.25	0.00	
14	0.00	0.00	28.15	0.83	2.26	1.09	50.43	11.00	0.00	13.56	8.30	0.00	
15	0.00	0.00	26.74	4.40	2.52	0.83	68.25	8.60	0.00	13.88	8.00	0.00	
16	0.00	0.00	25.80	5.75	0.00	0.83	82.00	6.75	0.00	14.20	6.50	0.00	
17	0.00	0.00	24.57	17.80	0.00	0.49	144.20	4.62	0.49	7.50	5.75	0.00	
18	0.00	0.00	23.34	17.44	0.00	0.28	220.85	2.78	1.22	0.00	5.28	0.00	
19	0.00	0.00	14.56	7.00	0.00	6.50	158.75	2.26	2.13	0.00	3.30	0.00	
20	0.00	0.00	0.00	4.62	0.00	6.25	96.90	2.39	2.13	0.00	2.26	0.00	
21	0.00	0.00	0.00	3.74	0.00	22.52	76.75	2.39	0.49	0.00	0.21	0.00	
22	0.00	0.00	0.00	3.17	2.13	19.36	61.10	2.52	0.35	0.00	4.40	0.00	
23	0.00	0.00	0.00	2.91	0.00	28.15	57.24	2.65	1.09	0.00	6.25	0.00	
24	0.00	0.00	0.00	2.65	0.00	50.43	41.26	2.52	2.00	0.00	8.30	0.00	
25	0.00	0.00	0.00	2.52	0.00	17.08	13.24	2.52	2.65	0.00	8.00	0.00	
26	0.00	0.00	0.00	2.39	0.00	87.30	14.20	2.52	2.78	0.00	6.50	0.00	
27	0.00	2.39	0.00	2.26	2.65	34.00	16.72	2.39	2.78	0.00	5.75	0.00	
28	0.00	0.00	0.00	1.87	4.18	13.24	22.93	1.74	2.52	0.00	5.28	0.00	
29	3.04	6.25	0.00	0.96	6.50	7.75	22.52	0.83	2.65	0.00		0.00	
30	5.75	7.00	0.00	0.00	5.06	5.75	23.34	2.52	2.26	0.00		0.00	
31		0.96		0.00	3.52		22.93		2.13	0.00		0.00	
<hr/>													
Total	11.59	26.70	381.53	119.77	28.82	341.12	1724.40	326.37	36.44	169.18	94.94	2.26	3263.12 CMSDAY
Mean	0.39	0.86	12.72	3.86	0.93	11.37	55.63	10.88	1.18	5.46	3.39	0.07	8.94 CMS
Max	5.75	7.00	34.00	27.21	6.50	87.30	220.85	27.68	2.78	14.20	8.30	2.26	220.85 CMS
Min	0.00	0.00	0.00	0.00	0.00	0.28	8.30	0.83	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	1.00	2.31	32.96	10.35	2.49	29.47	148.99	28.20	3.15	14.62	8.20	0.20	281.93 MCM
<hr/>													
Momentary Peak	258.00 CMS. at 102.20 m. (MSL.) at 06.00 Hours , on Oct 18, 2021												
Runoff Yield	13.26	Liters/Second/Square KM.			Momentary Peak Yield			382.79	Liters/Second/Square KM.				



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	1.52	0.96	1.64	2.68	34.64	27.44	8.16	2.00	0.00	0.00	2.44		
2	0.00	2.04	0.56	2.24	2.12	22.28	24.10	13.26	1.88	0.00	0.00	3.08		
3	0.00	2.96	0.40	1.36	2.32	15.64	20.46	8.79	1.80	0.00	0.00	3.36		
4	0.00	2.32	0.64	0.72	2.04	12.10	20.04	6.84	1.72	0.00	0.00	2.32		
5	0.00	2.68	0.88	0.52	7.08	20.60	15.52	5.99	1.80	0.00	0.00	1.00		
6	0.00	1.68	0.44	0.48	3.28	33.56	10.40	5.36	2.12	0.00	0.00	0.76		
7	0.00	2.16	0.44	0.48	2.16	43.30	9.33	5.08	2.04	0.08	0.36	0.72		
8	0.00	1.20	3.08	1.00	1.60	28.52	10.60	5.15	1.56	0.32	0.04	0.76		
9	4.44	1.40	9.51	6.92	1.28	43.10	9.60	4.50	1.44	0.48	0.00	1.28		
10	3.00	4.94	13.70	11.60	0.96	100.90	12.30	4.14	1.40	0.56	0.00	5.01		
11	2.44	2.72	7.72	7.16	0.64	100.90	13.70	4.02	1.36	0.56	0.00	2.88		
12	2.20	0.88	13.70	5.15	0.40	95.46	26.34	3.96	1.36	0.44	0.00	1.84		
13	3.48	0.60	5.92	5.08	0.24	88.24	33.38	3.78	1.28	0.32	0.00	1.64		
14	2.48	0.44	2.80	3.16	0.32	62.98	43.50	3.66	1.12	0.16	0.00	1.60		
15	1.68	0.32	13.04	8.61	1.08	60.27	25.08	3.56	1.04	0.16	0.00	2.04		
16	1.64	0.20	12.93	6.52	1.00	46.75	21.58	3.48	1.00	0.08	0.16	1.80		
17	2.12	0.12	5.57	9.60	5.36	45.10	64.66	3.60	1.00	0.04	1.00	1.84		
18	2.48	0.64	8.70	5.22	2.88	56.20	51.16	3.36	0.96	0.16	1.64	1.92		
19	2.92	0.80	5.22	2.68	1.32	40.10	27.44	3.36	0.56	0.16	1.88	2.36		
20	3.36	2.68	2.56	3.40	0.72	49.00	18.92	3.28	0.60	0.08	1.36	2.32		
21	3.52	11.60	1.44	4.56	0.48	68.58	14.25	3.16	0.56	0.04	1.36	2.08		
22	3.04	1.96	0.84	4.87	1.80	48.76	23.68	3.08	0.56	0.00	2.16	1.72		
23	1.72	0.52	0.68	6.36	1.08	47.59	35.36	3.04	0.52	0.08	1.24	2.00		
24	1.48	0.16	1.04	22.56	0.36	55.48	18.37	3.04	0.44	0.68	1.00	2.32		
25	1.28	0.00	1.08	34.82	0.48	57.40	12.82	2.96	0.44	1.16	0.84	2.12		
26	1.32	1.84	0.64	49.48	1.64	81.20	10.30	2.84	0.28	0.56	0.72	2.48		
27	1.16	2.68	0.80	48.76	3.28	85.36	9.24	2.72	0.00	0.28	0.88	2.36		
28	1.08	2.88	1.16	26.76	4.32	73.06	8.25	2.68	0.00	0.00	1.72	2.04		
29	2.44	8.52	1.28	10.10	4.62	52.60	7.32	2.64	0.00	0.00		2.00		
30	1.60	4.68	1.12	5.99	6.44	36.80	7.89	2.56	0.00	0.00		3.00		
31		1.72		3.90	22.56		7.40		0.00	0.00		10.70		
Total	50.88	68.86	118.85	301.70	86.54	1606.47	640.43	132.05	30.84	6.40	16.36	73.79	3133.17	CMSDAY
Mean	1.70	2.22	3.96	9.73	2.79	53.55	20.66	4.40	0.99	0.21	0.58	2.38	8.58	CMS
Max	4.44	11.60	13.70	49.48	22.56	100.90	64.66	13.26	2.12	1.16	2.16	10.70	100.90	CMS
Min	0.00	0.00	0.40	0.48	0.24	12.10	7.32	2.56	0.00	0.00	0.00	0.72	0.00	CMS
Runoff	4.40	5.95	10.27	26.07	7.48	138.80	55.33	11.41	2.66	0.55	1.41	6.38	270.71	MCM
Momentary Peak	101.58	CMS. at 145.87 m. (MSL.) at 13.00 Hours , on Sep 11, 2021												
Runoff Yield	8.28	Liters/Second/Square KM.				Momentary Peak Yield				97.96	Liters/Second/Square KM.			



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	6.18	2.33	0.00	7.78	43.40	166.91	41.90	3.70	0.00	0.00	0.00		
2	0.00	8.20	1.35	0.00	5.82	45.86	162.67	47.26	0.98	0.00	0.00	0.00		
3	0.00	7.38	0.98	0.00	4.11	39.65	152.60	46.42	0.00	0.00	0.00	0.00		
4	0.00	8.90	0.38	0.00	4.55	36.65	126.90	41.15	0.00	0.00	0.00	0.00		
5	0.00	8.20	0.00	0.00	5.46	37.90	98.42	36.40	0.00	0.00	0.00	0.00		
6	0.00	6.18	0.00	0.00	8.76	41.90	72.55	23.30	0.00	0.00	0.00	0.00		
7	0.00	5.34	0.00	0.00	6.18	52.30	52.30	16.55	0.00	0.00	0.00	0.00		
8	0.00	4.77	0.00	0.00	3.20	58.80	43.65	14.10	0.00	0.00	0.00	0.00		
9	0.00	3.70	0.00	0.00	1.73	51.46	39.65	12.48	0.00	0.00	0.00	0.00		
10	0.00	3.10	0.98	0.00	0.83	68.92	36.90	10.00	0.00	0.00	0.00	0.00		
11	0.00	3.80	8.76	4.44	0.45	100.35	37.65	8.90	0.00	0.00	0.00	0.00		
12	0.00	7.02	4.99	8.62	0.15	119.25	45.58	9.12	0.00	0.00	0.00	0.00		
13	0.00	5.22	8.34	7.92	0.00	126.00	58.20	8.48	0.00	0.00	0.00	0.00		
14	0.00	4.44	6.42	6.78	0.00	131.40	71.56	8.20	0.00	0.00	0.00	0.00		
15	0.00	5.22	4.88	3.90	0.00	133.52	82.88	7.78	0.00	0.00	0.00	0.00		
16	0.00	5.58	11.79	6.78	0.00	136.70	82.88	7.50	0.00	0.00	0.00	0.00		
17	0.00	4.88	11.79	7.92	0.45	144.65	108.90	7.26	0.00	0.00	0.00	0.00		
18	0.00	5.94	7.50	10.66	4.55	147.30	130.50	7.50	0.00	0.00	0.00	0.00		
19	0.00	4.99	6.78	7.02	3.70	146.24	144.65	6.90	0.00	0.00	0.00	0.00		
20	4.88	4.33	4.55	4.11	2.03	143.06	148.89	6.18	0.00	0.00	0.00	0.00		
21	6.06	3.80	1.65	4.00	1.28	136.70	141.47	6.18	0.00	0.00	0.00	0.00		
22	6.06	6.66	0.23	3.50	0.45	133.52	119.70	6.30	0.00	0.00	0.00	0.00		
23	5.58	4.22	0.00	4.88	0.00	136.70	109.80	6.30	0.00	0.00	0.00	0.00		
24	5.10	2.93	0.00	6.66	0.53	139.88	109.35	6.06	0.00	0.00	0.00	0.00		
25	4.11	2.55	0.00	36.90	0.30	145.18	101.25	5.70	0.00	0.00	0.00	0.00		
26	3.70	2.48	0.00	46.70	0.00	156.31	80.29	4.99	0.00	0.00	0.00	0.00		
27	3.50	2.55	0.00	53.75	0.00	167.97	57.30	4.66	0.00	0.00	0.00	0.00		
28	3.30	2.33	0.00	54.33	6.06	172.74	45.86	4.44	0.00	0.00	0.00	0.00		
29	3.40	1.73	0.00	43.15	13.75	170.09	39.90	3.90	0.00	0.00				
30	3.60	3.60	0.00	31.40	30.15	169.03	40.40	3.70	0.00	0.00				
31		5.22		26.06	32.90		42.40		0.00	0.00				
Total	49.29	151.44	83.70	379.48	145.17	3333.43	2751.96	419.61	4.68	0.00	0.00	0.00	7318.76	CMSDAY
Mean	1.64	4.89	2.79	12.24	4.68	111.11	88.77	13.99	0.15	0.00	0.00	0.00	20.05	CMS
Max	6.06	8.90	11.79	54.33	32.90	172.74	166.91	47.26	3.70	0.00	0.00	0.00	172.74	CMS
Min	0.00	1.73	0.00	0.00	0.00	36.65	36.90	3.70	0.00	0.00	0.00	0.00	0.00	CMS
Runoff	4.26	13.08	7.23	32.79	12.54	288.01	237.77	36.25	0.40	0.00	0.00	0.00	632.34	MCM
Momentary Peak		173.80	CMS.	at 116.20 m. (MSL.) at 13.00 Hours , on Sep 28, 2021										
Runoff Yield	6.38		Liters/Second/Square KM.			Momentary Peak Yield	55.33			Liters/Second/Square KM.				

WATER YEAR : 2021**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.		
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 bridge.	Elevation	+52.984 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 22 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	42.39	42.48	42.51	42.37	42.27	42.25	42.54	42.83	42.26	42.43	42.37	42.52	
2	42.79	42.48	42.51	42.41	42.27	42.25	42.56	42.71	42.26	42.43	42.37	42.52	
3	42.79	42.48	42.51	42.41	42.30	42.25	42.56	42.60	42.27	42.43	42.37	42.52	
4	42.79	42.48	42.52	42.41	42.42	42.25	42.58	42.60	42.27	42.43	42.37	42.52	
5	42.79	42.48	42.52	42.39	42.42	42.25	42.62	42.42	42.26	42.43	42.37	42.52	
6	42.80	42.49	42.51	42.35	42.42	42.25	42.63	42.28	42.26	42.43	42.37	42.52	
7	42.79	42.49	42.51	42.34	42.41	42.25	42.63	42.80	42.26	42.43	42.37	42.52	
8	42.79	42.50	42.51	42.34	42.41	42.25	42.63	43.34	42.25	42.43	42.37	42.52	
9	42.79	42.50	42.51	42.35	42.40	42.24	42.62	43.15	42.25	42.43	42.37	42.52	
10	42.79	42.51	42.68	42.34	42.31	42.24	42.62	42.28	42.25	42.43	42.37	42.52	
11	42.79	42.52	42.80	42.33	42.28	42.23	42.62	42.27	42.25	42.43	42.37	42.52	
12	42.79	42.53	42.80	42.32	42.27	42.23	42.62	42.27	42.25	42.42	42.37	42.52	
13	42.79	42.54	42.68	42.33	42.35	42.23	42.62	42.27	42.27	42.42	42.37	42.54	
14	42.80	42.53	42.51	42.35	42.41	42.23	42.62	42.27	42.32	42.42	42.37	42.55	
15	42.79	42.51	42.51	42.32	42.41	42.23	42.64	42.27	42.34	42.42	42.37	42.57	
16	42.79	42.51	42.51	42.31	42.41	42.23	42.65	42.41	42.34	42.42	42.37	42.60	
17	42.79	42.51	42.51	42.31	42.41	42.23	43.19	42.53	42.34	42.42	42.37	42.61	
18	42.79	42.51	42.51	42.29	42.40	42.23	43.28	42.26	42.34	42.43	42.42	42.61	
19	42.74	42.51	42.51	42.27	42.40	42.23	42.71	42.56	42.34	42.40	42.48	42.61	
20	42.69	42.51	42.56	42.27	42.38	42.23	42.29	42.28	42.34	42.37	42.48	42.61	
21	42.69	42.52	42.67	42.27	42.27	42.23	42.28	42.27	42.34	42.38	42.49	42.61	
22	42.68	42.51	42.64	42.27	42.27	42.23	42.30	42.61	42.34	42.37	42.53	42.61	
23	42.68	42.65	42.71	42.27	42.42	42.23	42.63	42.28	42.34	42.37	42.52	42.61	
24	42.68	42.83	42.98	42.27	42.45	42.28	42.55	42.27	42.34	42.37	42.52	42.61	
25	42.68	42.69	42.87	42.27	42.40	42.27	42.28	42.26	42.34	42.37	42.52	42.61	
26	42.68	42.50	42.67	42.27	42.40	42.26	42.28	42.58	42.34	42.37	42.52	42.60	
27	42.68	42.50	42.67	42.27	42.37	42.57	42.28	42.27	42.36	42.37	42.52	42.60	
28	42.68	42.50	42.56	42.27	42.27	43.44	42.35	42.27	42.40	42.38	42.52	42.60	
29	42.70	42.50	42.38	42.27	42.27	43.76	42.65	42.44	42.41	42.37		42.60	
30	42.58	42.51	42.37	42.27	42.27	43.05	42.54	42.27	42.43	42.37		42.60	
31		42.51		42.27	42.27		42.59		42.43	42.37		42.60	
Mean	42.73	42.53	42.59	42.32	42.36	42.37	42.58	42.46	42.32	42.40	42.42	42.57	
Max	42.80	42.83	42.98	42.41	42.45	43.76	43.28	43.34	42.43	42.43	42.53	42.61	43.76
Min	42.39	42.48	42.37	42.27	42.27	42.23	42.28	42.26	42.25	42.37	42.37	42.52	42.23
Annual Max Momentary Gage Height	44.35		m. (MSL.) ,				at 18.00 Hours , on Sep 29, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	41.52	m. (MSL.)					
Left Bank Elevation		52.80	m. (MSL.) ,										
Right Bank Elevation		52.94	m. (MSL.) ,			Drainage Are	628	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.54	2.08	2.31	1.42	0.85	0.75	2.64	6.60	0.80	1.78	1.42	2.42		
2	5.84	2.08	2.31	1.66	0.85	0.75	2.86	4.56	0.80	1.78	1.42	2.42		
3	5.84	2.08	2.31	1.66	1.00	0.75	2.86	3.30	0.85	1.78	1.42	2.42		
4	5.84	2.08	2.42	1.66	1.72	0.75	3.08	3.30	0.85	1.78	1.42	2.42		
5	5.84	2.08	2.42	1.54	1.72	0.75	3.52	1.72	0.80	1.78	1.42	2.42		
6	6.00	2.14	2.31	1.30	1.72	0.75	3.63	0.90	0.80	1.78	1.42	2.42		
7	5.84	2.14	2.31	1.24	1.66	0.75	3.63	6.00	0.80	1.78	1.42	2.42		
8	5.84	2.20	2.31	1.24	1.66	0.75	3.63	19.20	0.75	1.78	1.42	2.42		
9	5.84	2.20	2.31	1.30	1.60	0.70	3.52	13.75	0.75	1.78	1.42	2.42		
10	5.84	2.31	4.18	1.24	1.06	0.70	3.52	0.90	0.75	1.78	1.42	2.42		
11	5.84	2.42	6.00	1.18	0.90	0.65	3.52	0.85	0.75	1.78	1.42	2.42		
12	5.84	2.53	6.00	1.12	0.85	0.65	3.52	0.85	0.75	1.72	1.42	2.42		
13	5.84	2.64	4.18	1.18	1.30	0.65	3.52	0.85	0.85	1.72	1.42	2.64		
14	6.00	2.53	2.31	1.30	1.66	0.65	3.52	0.85	1.12	1.72	1.42	2.75		
15	5.84	2.31	2.31	1.12	1.66	0.65	3.74	0.85	1.24	1.72	1.42	2.97		
16	5.84	2.31	2.31	1.06	1.66	0.65	3.85	1.66	1.24	1.72	1.42	3.30		
17	5.84	2.31	2.31	1.06	1.66	0.65	14.75	2.53	1.24	1.72	1.42	3.41		
18	5.84	2.31	2.31	0.95	1.60	0.65	17.40	0.80	1.24	1.78	1.72	3.41		
19	5.04	2.31	2.31	0.85	1.60	0.65	4.56	2.86	1.24	1.60	2.08	3.41		
20	4.29	2.31	2.86	0.85	1.48	0.65	0.95	0.90	1.24	1.42	2.08	3.41		
21	4.29	2.42	4.07	0.85	0.85	0.65	0.90	0.85	1.24	1.48	2.14	3.41		
22	4.18	2.31	3.74	0.85	0.85	0.65	1.00	3.41	1.24	1.42	2.53	3.41		
23	4.18	3.85	4.56	0.85	1.72	0.65	3.63	0.90	1.24	1.42	2.42	3.41		
24	4.18	6.60	9.60	0.85	1.90	0.90	2.75	0.85	1.24	1.42	2.42	3.41		
25	4.18	4.29	7.40	0.85	1.60	0.85	0.90	0.80	1.24	1.42	2.42	3.41		
26	4.18	2.20	4.07	0.85	1.60	0.80	0.90	3.08	1.24	1.42	2.42	3.30		
27	4.18	2.20	4.07	0.85	1.42	2.97	0.90	0.85	1.36	1.42	2.42	3.30		
28	4.18	2.20	2.86	0.85	0.85	22.20	1.30	0.85	1.60	1.48	2.42	3.30		
29	4.40	2.20	1.48	0.85	0.85	33.40	3.85	1.84	1.66	1.42		3.30		
30	3.08	2.31	1.42	0.85	0.85	11.25	2.64	0.85	1.78	1.42		3.30		
31		2.31		0.85	0.85		3.19		1.78	1.42		3.30		
Total	151.50	78.26	101.36	34.28	41.55	88.22	114.18	87.51	34.48	50.44	49.21	91.19	922.18	CMSDAY
Mean	5.05	2.52	3.38	1.11	1.34	2.94	3.68	2.92						

WATER YEAR : 2021**PASAK RIVER BASIN****Pasak River at Ban Pa , Saraburi (S.9)**

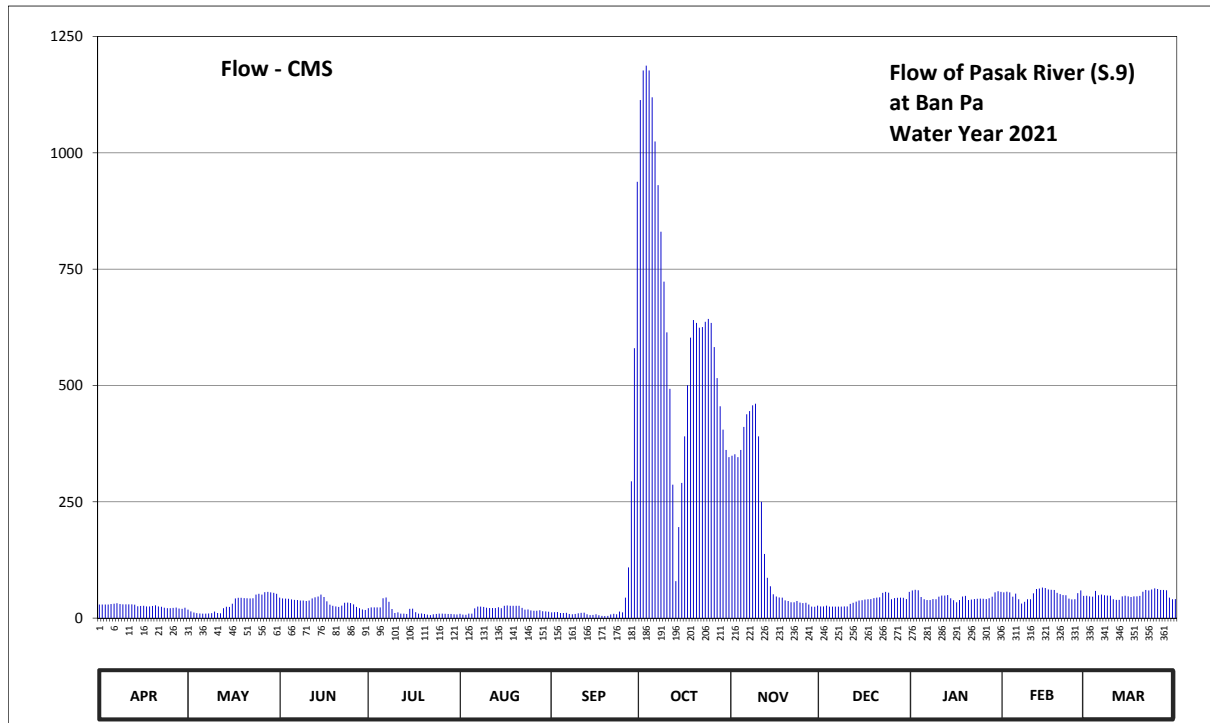
Lat 14 - 37 - 45 N Long 101 - 00 - 52 E

Location : on left bank at Ban Mueang Nua railway bridge.

	Ban Pa	Amphoe	Kaeng Khoi	Changwat	Saraburi
Drainage Area	14,350 sq.km.				
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 20 discharge measurements made in 2021.				

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	9.03	8.71	9.38	8.80	8.42	8.54	19.40	13.46	8.91	9.70	9.62	9.48	
2	9.03	8.60	9.34	8.85	8.35	8.55	19.83	13.49	8.91	9.73	9.65	9.45	
3	9.03	8.53	9.33	8.85	8.32	8.56	19.90	13.43	8.96	9.71	9.62	9.43	
4	9.03	8.48	9.32	8.85	8.43	8.50	19.83	13.58	8.90	9.41	9.43	9.68	
5	9.05	8.45	9.29	8.85	8.44	8.50	19.44	14.05	8.90	9.30	9.57	9.50	
6	9.07	8.44	9.27	9.35	8.79	8.51	18.79	14.29	8.90	9.26	9.30	9.53	
7	9.09	8.43	9.26	9.39	8.90	8.41	18.13	14.35	8.90	9.26	9.08	9.50	
8	9.05	8.45	9.23	9.17	8.90	8.37	17.42	14.46	8.90	9.31	9.17	9.49	
9	9.04	8.49	9.23	8.75	8.88	8.41	16.62	14.49	8.91	9.30	9.30	9.48	
10	9.04	8.59	9.21	8.50	8.83	8.47	15.77	13.86	8.91	9.43	9.30	9.30	
11	9.04	8.50	9.23	8.54	8.81	8.51	14.77	12.41	9.06	9.49	9.58	9.27	
12	9.04	8.46	9.34	8.44	8.81	8.52	12.82	11.01	9.12	9.49	9.76	9.27	
13	9.02	8.80	9.40	8.44	8.81	8.38	10.07	10.19	9.18	9.51	9.78	9.45	
14	8.92	8.89	9.44	8.41	8.86	8.30	11.77	9.87	9.23	9.35	9.82	9.48	
15	8.94	8.88	9.53	8.76	8.80	8.31	12.86	9.54	9.25	9.25	9.80	9.45	
16	8.95	9.07	9.41	8.77	8.95	8.37	13.86	9.44	9.28	9.14	9.74	9.41	
17	8.91	9.34	9.19	8.55	8.97	8.28	14.84	9.39	9.30	9.26	9.73	9.45	
18	8.91	9.37	9.02	8.43	8.95	8.22	15.68	9.38	9.31	9.44	9.72	9.45	
19	8.94	9.37	8.95	8.45	8.95	8.20	15.98	9.24	9.36	9.47	9.60	9.47	
20	8.98	9.36	8.91	8.41	8.95	8.21	15.93	9.21	9.38	9.26	9.55	9.65	
21	8.91	9.35	8.88	8.35	8.95	8.36	15.85	9.14	9.40	9.28	9.51	9.72	
22	8.89	9.34	8.96	8.29	8.82	8.42	15.86	9.14	9.60	9.31	9.50	9.70	
23	8.83	9.35	9.12	8.37	8.71	8.38	15.95	9.21	9.64	9.32	9.33	9.74	
24	8.80	9.53	9.13	8.41	8.72	8.59	16.00	9.13	9.61	9.33	9.29	9.79	
25	8.80	9.56	9.10	8.43	8.66	8.54	15.93	9.10	9.30	9.32	9.30	9.76	
26	8.82	9.53	9.04	8.43	8.64	9.38	15.52	9.12	9.36	9.31	9.59	9.72	
27	8.84	9.63	8.88	8.42	8.64	10.55	14.97	9.03	9.37	9.35	9.70	9.72	
28	8.78	9.64	8.80	8.40	8.67	12.90	14.44	8.90	9.38	9.43	9.47	9.71	
29	8.76	9.62	8.72	8.40	8.61	15.50	14.00	8.89	9.37	9.62		9.38	
30	8.83	9.60	8.69	8.37	8.60	18.18	13.58	8.96	9.31	9.67		9.30	
31		9.56		8.36	8.58		13.43		9.64	9.64		9.31	
Mean	8.95	9.03	9.15	8.61	8.73	9.23	15.78	10.99	9.21	9.41	9.53	9.52	
Max	9.09	9.64	9.53	9.39	8.97	18.18	19.90	14.49	9.64	9.73	9.82	9.79	19.90
Min	8.76	8.43	8.69	8.29	8.32	8.20	10.07	8.89	8.90	9.14	9.08	9.27	8.20
Annual Max Momentary Gage Height	19.93		m. (MSL.) ,			at 24.00 Hours ,	on Oct 2, 2021						
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	29.26	18.14	43.96	21.20	9.24	12.36	1113.20	349.00	24.94	59.40	55.24	48.16		
2	29.26	14.40	42.28	22.90	7.70	12.70	1176.84	352.00	24.94	60.96	56.80	46.90		
3	29.26	12.02	41.86	22.90	7.04	13.04	1187.20	346.00	26.64	59.92	55.24	46.06		
4	29.26	10.56	41.44	22.90	9.46	11.00	1176.84	361.32	24.60	45.22	46.06	58.36		
5	30.10	9.90	40.18	22.90	9.68	11.00	1119.12	410.70	24.60	40.60	52.64	49.00		
6	30.94	9.68	39.34	42.70	20.86	11.34	1024.18	438.06	24.60	38.92	40.60	50.56		
7	31.78	9.46	38.92	44.38	24.60	9.02	930.46	444.90	24.60	38.92	31.36	49.00		
8	30.10	9.90	37.66	35.14	24.60	8.14	830.28	457.44	24.60	41.02	35.14	48.58		
9	29.68	10.78	37.66	19.50	23.92	9.02	723.08	460.86	24.94	40.60	40.60	48.16		
10	29.68	14.06	36.82	11.00	22.22	10.34	614.02	390.44	24.94	46.06	40.60	40.60		
11	29.68	11.00	37.66	12.36	21.54	11.34	492.78	249.90	30.52	48.58	53.16	39.34		
12	29.68	10.12	42.28	9.68	21.54	11.68	286.80	137.76	33.04	48.58	62.52	39.34		
13	28.84	21.20	44.80	9.68	21.54	8.36	79.34	86.78	35.56	49.52	63.56	46.90		
14	25.28	24.26	46.48	9.02	23.24	6.60	195.52	68.24	37.66	42.70	65.64	48.16		
15	25.96	23.92	50.56	19.84	21.20	6.82	290.40	51.08	38.50	38.50	64.60	46.90		
16	26.30	30.94	45.22	20.18	26.30	8.14	390.44	46.48	39.76	33.88	61.48	45.22		
17	24.94	42.28	35.98	12.70	26.98	6.16	500.76	44.38	40.60	38.92	60.96	46.90		
18	24.94	43.54	28.84	9.46	26.30	4.84	602.68	43.96	41.02	46.48	60.44	46.90		
19	25.96	43.54	26.30	9.90	26.30	4.40	640.48	38.08	43.12	47.74	54.20	47.74		
20	27.32	43.12	24.94	9.02	26.30	4.62	634.18	36.82	43.96	38.92	51.60	56.80		
21	24.94	42.70	23.92	7.70	26.30	7.92	624.10	33.88	44.80	39.76	49.52	60.44		
22	24.26	42.28	26.64	6.38	21.88	9.24	625.36	33.88	54.20	41.02	49.00	59.40		
23	22.22	42.70	33.04	8.14	18.14	8.36	636.70	36.82	56.28	41.44	41.86	61.48		
24	21.20	50.56	33.46	9.02	18.48	14.06	643.00	33.46	54.72	41.86	40.18	64.08		
25	21.20	52.12	32.20	9.46	16.44	12.36	634.18	32.20	40.60	41.44	40.60	62.52		
26	21.88	50.56	29.68	9.46	15.76	43.96	582.52	33.04	43.12	41.02	53.68	60.44		
27	22.56	55.76	23.92	9.24	15.76	109.10	515.58	29.26	43.54	42.70	59.40	60.44		
28	20.52	56.28	21.20	8.80	16.78	294.00	455.16	24.60	43.96	46.06	47.74	59.92		
29	19.84	55.24	18.48	8.80	14.74	580.00	405.00	24.26	43.54	55.24		43.96		
30	22.22	54.20	17.46	8.14	14.40	937.56	361.32	26.64	41.02	57.84		40.60		
31		52.12		7.92	13.72		346.00		56.28	56.28		41.02		
Total	789.06	967.34	1043.18	480.42	592.96	2197.48	19837.52	5122.24	1155.20	1410.10	1434.42	1563.88	36593.80	CMSDAY
Mean	26.30	31.20	34.77	15.50	19.13	73.25	639.92	170.74	37.26	45.49	51.23	50.45	100.26	CMS
Max	31.78	56.28	50.56	44.38	26.98	937.56	1187.20	460.86	56.28	60.96	65.64	64.08	1187.20	CMS
Min	19.84	9.46	17.46	6.38	7.04	4.40	79.34	24.26	24.60	33.88	31.36	39.34	4.40	CMS
Runoff	68.17	83.58	90.13	41.51	51.23	189.86	1713.96	442.56	99.81	121.83	123.93	135.12	3161.70	MCM
Momentary Peak	1191.64 CMS. at 19.93 m. (MSL.) at 24.00 Hours , on Oct 2, 2021													
Runoff Yield	6.99	Liters/Second/Square KM.					Momentary Peak Yield	83.04	Liters/Second/Square KM.					

WATER YEAR : 2021**PASAK RIVER BASIN****Lam Sonthi at Ban Tha Ruak , Lop Buri (S.14)**

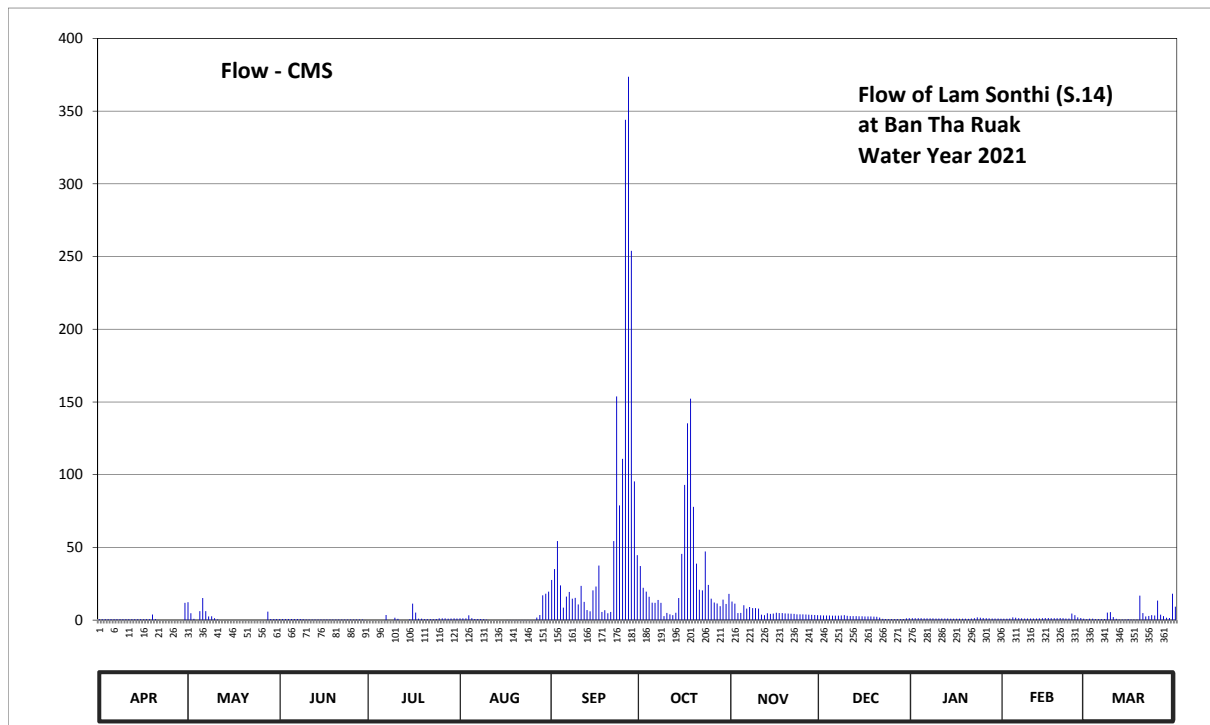
Lat 15 - 13 - 31 N Long 101 - 16 - 39 E

Location : on right bank at the bridge.

	Ban Tha Ruak	Amphoe Chai Badan	Changwat Lop Buri
Drainage 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	Overbank flow starts at elevation +63.830 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 32 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	54.61	57.10	54.64	54.38	54.80	58.71	59.37	57.15	55.39	54.82	54.72	54.62	
2	54.61	55.73	54.65	54.38	54.80	59.24	58.24	56.96	55.37	54.83	54.73	54.74	
3	54.61	54.70	54.65	54.38	54.80	60.10	57.98	55.76	55.35	54.84	54.77	54.73	
4	54.61	54.30	54.65	54.38	55.40	58.40	57.58	55.79	55.35	54.83	55.02	54.61	
5	54.61	56.07	54.64	54.38	54.83	56.53	57.05	56.79	55.34	54.81	54.94	54.60	
6	54.61	57.48	54.64	54.38	54.64	57.60	57.03	56.41	55.33	54.81	54.83	54.60	
7	54.61	56.06	54.65	55.46	54.66	57.95	57.30	56.59	55.32	54.80	54.80	54.64	
8	54.61	55.18	54.65	54.39	54.65	57.43	57.03	56.46	55.35	54.79	54.77	55.84	
9	54.61	55.23	54.62	54.37	54.63	57.50	55.26	56.47	55.41	54.78	54.75	55.93	
10	54.61	54.85	54.53	54.95	54.52	56.87	55.79	56.41	55.30	54.77	54.75	55.06	
11	54.61	54.56	54.54	54.70	54.38	58.37	55.55	55.51	55.24	54.77	54.75	54.70	
12	54.61	54.30	54.54	54.37	54.38	57.12	55.41	55.41	55.26	54.76	54.75	54.54	
13	54.61	54.30	54.54	54.37	54.38	56.22	55.81	55.74	55.25	54.75	54.79	54.54	
14	54.61	54.30	54.53	54.37	54.38	56.05	57.48	55.64	55.23	54.73	54.85	54.55	
15	54.61	54.30	54.53	54.58	54.38	58.06	59.77	55.68	55.21	54.72	54.88	54.63	
16	54.61	54.30	54.53	56.96	54.39	58.32	61.04	55.83	55.19	54.72	54.86	54.54	
17	54.61	54.30	54.53	55.85	54.42	59.39	61.70	55.77	55.19	54.73	54.84	54.53	
18	54.61	54.32	54.53	54.71	54.43	55.96	61.93	55.76	55.18	54.74	54.82	54.53	
19	55.53	54.31	54.53	54.73	54.43	56.19	60.72	55.72	55.17	54.71	54.85	57.67	
20	54.61	54.32	54.53	54.62	54.43	55.74	59.48	55.69	55.14	54.70	54.87	55.78	
21	54.42	54.33	54.53	54.62	54.43	55.95	58.11	55.67	55.00	54.78	54.82	55.18	
22	54.30	54.33	54.53	54.62	54.43	60.10	58.06	55.64	54.69	54.84	54.77	55.29	
23	54.30	54.33	54.53	54.62	54.43	61.95	59.84	55.57	54.66	55.01	54.75	55.43	
24	54.30	54.33	54.53	54.67	54.43	60.74	58.43	55.56	54.61	54.96	55.68	55.37	
25	54.30	54.33	54.53	54.80	54.43	61.34	57.42	55.57	54.61	54.86	55.41	57.25	
26	54.30	54.33	54.53	54.80	54.43	63.98	57.06	55.54	54.60	54.82	55.02	55.51	
27	54.30	54.33	54.53	54.80	54.97	64.25	56.98	55.50	54.60	54.81	54.87	55.24	
28	54.30	56.01	54.53	54.71	55.46	63.12	56.68	55.47	54.60	54.77	54.73	54.95	
29	54.30	54.65	54.53	54.78	57.69	61.08	57.33	55.45	54.67	54.76		54.89	
30	57.04	54.65	54.45	54.80	57.82	59.73	56.92	55.42	54.81	54.75		57.82	
31		54.65		54.76	57.97		57.81		54.82	54.73		56.63	
Mean	54.63	54.85	54.56	54.73	54.91	58.80	57.94	55.90	55.07	54.79	54.87	55.26	
Max	57.04	57.48	54.65	56.96	57.97	64.25	61.93	57.15	55.41	55.01	55.68	57.82	64.25
Min	54.30	54.30	54.45	54.37	54.38	55.74	55.26	55.41	54.60	54.70	54.72	54.53	54.30
Annual Max Momentary Gage Height	64.74		m. (MSL.) ,			at 01.00 Hours , on Sep 27, 2021							
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.63	12.34	0.72	0.00	1.20	27.59	37.15	12.71	3.28	1.26	0.96	0.66		
2	0.63	4.67	0.75	0.00	1.20	35.09	22.25	11.34	3.21	1.29	0.99	1.02		
3	0.63	0.90	0.75	0.00	1.20	54.40	19.62	4.79	3.13	1.32	1.11	0.99		
4	0.63	0.00	0.75	0.00	3.32	23.88	16.02	4.92	3.13	1.29	1.88	0.63		
5	0.63	6.16	0.72	0.00	1.29	8.59	11.97	10.26	3.09	1.23	1.62	0.60		
6	0.63	15.15	0.72	0.00	0.72	16.20	11.82	7.93	3.05	1.23	1.29	0.60		
7	0.63	6.11	0.75	3.55	0.78	19.35	13.82	8.98	3.02	1.20	1.20	0.72		
8	0.63	2.48	0.75	0.00	0.75	14.78	11.82	8.19	3.13	1.17	1.11	5.13		
9	0.63	2.67	0.66	0.00	0.69	15.30	2.79	8.24	3.36	1.14	1.05	5.51		
10	0.63	1.35	0.39	1.65	0.36	10.77	4.92	7.93	2.94	1.11	1.05	2.03		
11	0.63	0.48	0.42	0.90	0.00	23.57	3.91	3.74	2.71	1.11	1.05	0.90		
12	0.63	0.00	0.42	0.00	0.00	12.49	3.36	3.36	2.79	1.08	1.05	0.42		
13	0.63	0.00	0.42	0.00	0.00	6.94	5.00	4.71	2.75	1.05	1.17	0.42		
14	0.63	0.00	0.39	0.00	0.00	6.06	15.15	4.29	2.67	0.99	1.35	0.45		
15	0.63	0.00	0.39	0.54	0.00	20.41	45.57	4.46	2.60	0.96	1.44	0.69		
16	0.63	0.00	0.39	11.34	0.00	23.06	92.99	5.09	2.52	0.96	1.38	0.42		
17	0.63	0.00	0.39	5.17	0.06	37.46	135.30	4.83	2.52	0.99	1.32	0.39		
18	0.63	0.00	0.39	0.93	0.09	5.63	152.32	4.79	2.48	1.02	1.26	0.39		
19	3.83	0.00	0.39	0.99	0.09	6.79	77.94	4.62	2.45	0.93	1.35	16.83		
20	0.63	0.00	0.39	0.66	0.09	4.71	38.88	4.50	2.33	0.90	1.41	4.88		
21	0.06	0.00	0.39	0.66	0.09	5.59	20.92	4.41	1.80	1.14	1.26	2.48		
22	0.00	0.00	0.39	0.66	0.09	54.40	20.41	4.29	0.87	1.32	1.11	2.90		
23	0.00	0.00	0.39	0.66	0.09	153.80	47.22	3.99	0.78	1.84	1.05	3.43		
24	0.00	0.00	0.39	0.81	0.09	78.85	24.19	3.95	0.63	1.68	4.46	3.21		
25	0.00	0.00	0.39	1.20	0.09	110.93	14.71	3.99	0.63	1.38	3.36	13.45		
26	0.00	0.00	0.39	1.20	0.09	344.06	12.04	3.87	0.60	1.26	1.88	3.74		
27	0.00	0.00	0.39	1.20	1.71	373.63	11.47	3.70	0.60	1.23	1.41	2.71		
28	0.00	5.85	0.39	0.93	3.55	253.88	9.55	3.59	0.60	1.11	0.99	1.65		
29	0.00	0.75	0.39	1.14	17.01	95.38	14.04	3.51	0.81	1.08		1.47		
30	11.90	0.75	0.15	1.20	18.18	44.63	11.09	3.40	1.23	1.05		18.18		
31		0.75		1.08	19.53		18.09		1.26	0.99		9.23		
Total	27.76	60.41	14.61	36.47	72.36	1888.22	926.33	168.38	66.97	36.31	40.56	106.13	3444.51	CMSDAY
Mean	0.93	1.95	0.49	1.18	2.33	62.94	29.88	5.61	2.16	1.17	1.45	3.42	9.44	CMS
Max	11.90	15.15	0.75	11.34	19.53	373.63	152.32	12.71	3.36	1.84	4.46	18.18	373.63	CMS
Min	0.00	0.00	0.15	0.00	0.00	4.71	2.79	3.36	0.60	0.90	0.96	0.39	0.00	CMS
Runoff	2.40	5.22	1.26	3.15	6.25	163.14	80.03	14.55	5.79	3.14	3.50	9.17	297.61	MCM
Momentary Peak	428.36 CMS. at 64.74 m. (MSL.) at 01:00 Hours , on Sep 27, 2021													
Runoff Yield	7.50 Liters/Second/Square KM.				Momentary Peak Yield 340.24				Liters/Second/Square KM.					

WATER YEAR : 2021

PASAK RIVER BASIN

Pasak River at Ban Tha Rua , Phra Nakhon Si Ayutthaya (S.26)

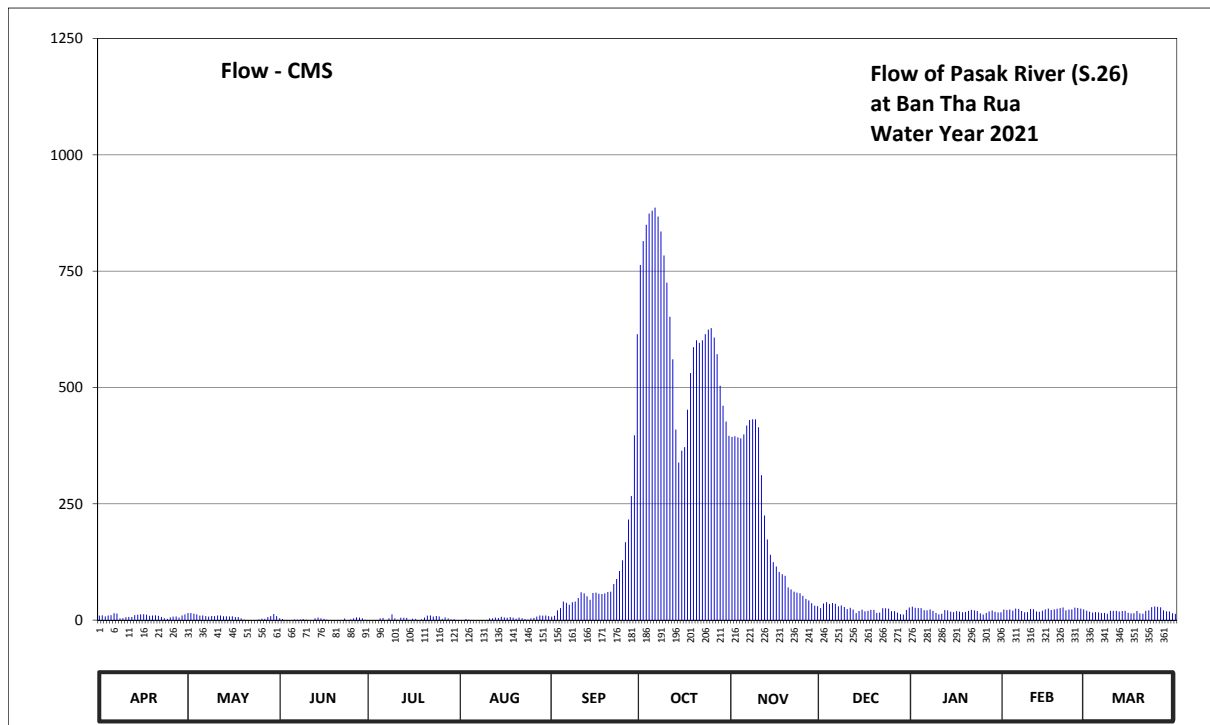
Lat 14 - 33 - 36 N Long 100 - 43 - 12 E

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	No overbank flow.		
General Description	Records good. Flow effected by Pasak Cholasit Dam. Stage-discharge relation defined by 18 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.34	0.53	0.15	-0.05	0.01	0.27	8.61	5.88	0.87	0.96	0.77	0.70	
2	0.37	0.53	0.08	-0.08	-0.01	0.33	8.94	5.89	1.16	0.89	0.74	0.63	
3	0.28	0.49	0.01	-0.14	0.08	0.72	9.16	5.87	1.24	0.87	0.77	0.57	
4	0.35	0.44	-0.08	0.01	0.04	0.87	9.31	5.85	1.13	0.87	0.71	0.60	
5	0.38	0.34	-0.06	0.13	0.01	1.27	9.35	5.93	1.19	0.73	0.83	0.58	
6	0.52	0.36	0.05	0.16	-0.05	1.20	9.39	6.09	1.14	0.72	0.81	0.53	
7	0.50	0.30	0.03	-0.03	-0.01	1.08	9.27	6.19	0.99	0.78	0.67	0.55	
8	0.13	0.27	0.05	0.13	-0.11	1.24	9.07	6.20	1.04	0.68	0.59	0.49	
9	0.15	0.32	0.09	0.44	-0.09	1.27	8.74	6.20	0.94	0.55	0.60	0.68	
10	0.22	0.30	0.04	0.13	0.01	1.48	8.36	6.06	0.80	0.44	0.81	0.69	
11	0.24	0.36	-0.10	0.04	0.14	1.77	7.86	5.11	0.89	0.49	0.79	0.68	
12	0.25	0.35	-0.03	0.18	0.13	1.71	7.21	4.17	0.77	0.74	0.64	0.64	
13	0.38	0.29	0.14	0.18	0.19	1.57	6.02	3.55	0.53	0.72	0.62	0.67	
14	0.42	0.29	0.19	0.17	0.16	1.38	5.37	3.11	0.67	0.63	0.70	0.68	
15	0.44	0.28	0.13	0.02	0.26	1.74	5.61	2.89	0.76	0.60	0.78	0.56	
16	0.45	0.29	0.10	0.11	0.21	1.75	5.68	2.75	0.65	0.66	0.83	0.51	
17	0.42	0.23	0.03	0.10	0.18	1.70	6.37	2.58	0.69	0.63	0.74	0.52	
18	0.33	0.23	-0.09	-0.01	0.23	1.68	6.99	2.51	0.75	0.59	0.78	0.67	
19	0.35	0.14	-0.17	0.06	0.18	1.71	7.40	2.45	0.75	0.61	0.82	0.51	
20	0.37	0.03	-0.11	0.19	0.11	1.78	7.51	2.00	0.54	0.69	0.87	0.49	
21	0.33	0.00	0.01	0.34	0.19	1.80	7.47	1.91	0.57	0.75	0.91	0.69	
22	0.25	-0.06	-0.01	0.36	0.15	2.14	7.51	1.80	0.86	0.72	0.72	0.72	
23	0.15	-0.15	0.12	0.27	0.09	2.33	7.60	1.75	0.86	0.67	0.77	0.93	
24	0.10	-0.05	-0.04	0.32	0.05	2.61	7.67	1.72	0.83	0.51	0.78	0.97	
25	0.21	0.06	0.05	0.28	0.14	2.95	7.69	1.60	0.66	0.43	0.90	0.95	
26	0.27	0.11	0.14	0.10	0.17	3.48	7.55	1.44	0.66	0.54	0.88	0.92	
27	0.28	0.10	0.21	0.21	0.27	4.07	7.29	1.34	0.57	0.64	0.84	0.72	
28	0.19	0.23	0.19	0.13	0.35	4.64	6.78	1.18	0.45	0.71	0.78	0.65	
29	0.36	0.31	0.13	0.06	0.34	5.91	6.44	1.03	0.43	0.62		0.64	
30	0.44	0.46	0.02	0.07	0.36	7.60	6.16	1.00	0.74	0.58		0.52	
31		0.31		0.01	0.30		5.90		0.91	0.59		0.48	
Mean	0.32	0.25	0.04	0.13	0.13	2.13	7.56	3.54	0.81	0.66	0.77	0.65	
Max	0.52	0.53	0.21	0.44	0.36	7.60	9.39	6.20	1.24	0.96	0.91	0.97	9.39
Min	0.10	-0.15	-0.17	-0.14	-0.11	0.27	5.37	1.00	0.43	0.43	0.59	0.48	-0.17
Annual Max Momentary Gage Height	9.41		m. (MSL.) ,			at 02.00 Hours , on Oct 6 , 2021							
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	9.52	14.96	4.20	0.00	0.28	7.56	763.16	393.80	25.84	28.72	22.64	20.40		
2	10.36	14.96	2.24	0.00	0.00	9.24	814.64	394.90	35.76	26.48	21.68	18.16		
3	7.84	13.72	0.28	0.00	2.24	21.04	849.60	392.70	38.64	25.84	22.64	16.24		
4	9.80	12.32	0.00	0.28	1.12	25.84	873.60	390.50	34.68	25.84	20.72	17.20		
5	10.64	9.52	0.00	3.64	0.28	39.72	880.00	399.30	36.84	21.36	24.56	16.56		
6	14.64	10.08	1.40	4.48	0.00	37.20	886.40	417.98	35.04	21.04	23.92	14.96		
7	14.00	8.40	0.84	0.00	0.00	32.88	867.20	430.18	29.68	22.96	19.44	15.60		
8	3.64	7.56	1.40	3.64	0.00	38.64	835.20	431.40	31.44	19.76	16.88	13.72		
9	4.20	8.96	2.52	12.32	0.00	39.72	783.44	431.40	28.08	15.60	17.20	19.76		
10	6.16	8.40	1.12	3.64	0.28	47.28	725.28	414.32	23.60	12.32	23.92	20.08		
11	6.72	10.08	0.00	1.12	3.92	59.88	651.84	311.44	26.48	13.72	23.28	19.76		
12	7.00	9.80	0.00	5.04	3.64	57.24	560.56	224.96	22.64	21.68	18.48	18.48		
13	10.64	8.12	3.92	5.04	5.32	51.08	409.44	173.10	14.96	21.04	17.84	19.44		
14	11.76	8.12	5.32	4.76	4.48	43.68	338.48	140.14	19.44	18.16	20.40	19.76		
15	12.32	7.84	3.64	0.56	7.28	58.56	364.10	124.52	22.32	17.20	22.96	15.92		
16	12.60	8.12	2.80	3.08	5.88	59.00	371.80	115.00	18.80	19.12	24.56	14.32		
17	11.76	6.44	0.84	2.80	5.04	56.80	452.14	103.44	20.08	18.16	21.68	14.64		
18	9.24	6.44	0.00	0.00	6.44	55.92	530.72	98.68	22.00	16.88	22.96	19.44		
19	9.80	3.92	0.00	1.68	5.04	57.24	586.40	95.20	22.00	17.52	24.24	14.32		
20	10.36	0.84	0.00	5.32	3.08	60.32	601.44	70.00	15.28	20.08	25.84	13.72		
21	9.24	0.00	0.28	9.52	5.32	61.20	595.92	66.04	16.24	22.00	27.12	20.08		
22	7.00	0.00	0.00	10.08	4.20	77.84	601.44	61.20	25.52	21.04	21.04	21.04		
23	4.20	0.00	3.36	7.56	2.52	88.48	614.40	59.00	25.52	19.44	22.64	27.76		
24	2.80	0.00	0.00	8.96	1.40	105.48	624.48	57.68	24.56	14.32	22.96	29.04		
25	5.88	1.68	1.40	7.84	3.92	128.60	627.36	52.40	19.12	12.04	26.80	28.40		
26	7.56	3.08	3.92	2.80	4.76	167.52	607.20	45.84	19.12	15.28	26.16	27.44		
27	7.84	2.80	5.88	5.88	7.56	216.16	571.44	42.24	16.24	18.48	24.88	21.04		
28	5.32	6.44	5.32	3.64	9.80	266.88	503.84	36.48	12.60	20.72	22.96	18.80		
29	10.08	8.68	3.64	1.68	9.52	397.10	460.68	31.08	12.04	17.84		18.48		
30	12.32	12.88	0.56	1.96	10.08	614.40	426.52	30.00	21.68	16.56		14.64		
31		8.68		0.28	8.40		396.00		27.12	16.88		13.44		
Total	265.24	222.84	54.88	117.60	121.80	2982.50	19174.72	6034.92	743.36	598.08	630.40	582.64	31528.98	CMSDAY
Mean	8.84	7.19	1.83	3.79	3.93	99.42	618.54	201.16	23.98	19.29	22.51	18.79	86.38	CMS
Max	14.64	14.96	5.88	12.32	10.08	614.40	886.40	431.40	38.64	28.72	27.12	29.04	886.40	CMS
Min	2.80	0.00	0.00	0.00	0.00	7.56	338.48	30.00	12.04	12.04	16.88	13.44	0.00	CMS
Runoff	22.92	19.25	4.74	10.16	10.52	257.69	1656.70	521.42	64.23	51.67	54.47	50.34	2724.10	MCM
Momentary Peak	CMS. at 9.41 m. (MSL.) at 02.00 Hours , on Oct 6 , 2021													
Runoff Yield	5.61	Liters/Second/Square KM.				Momentary Peak Yield				57.76	Liters/Second/Square KM.			

WATER YEAR : 2021**PASAK RIVER BASIN****Pasak River at Ban Nong Bua , Lop Buri (S.28)**

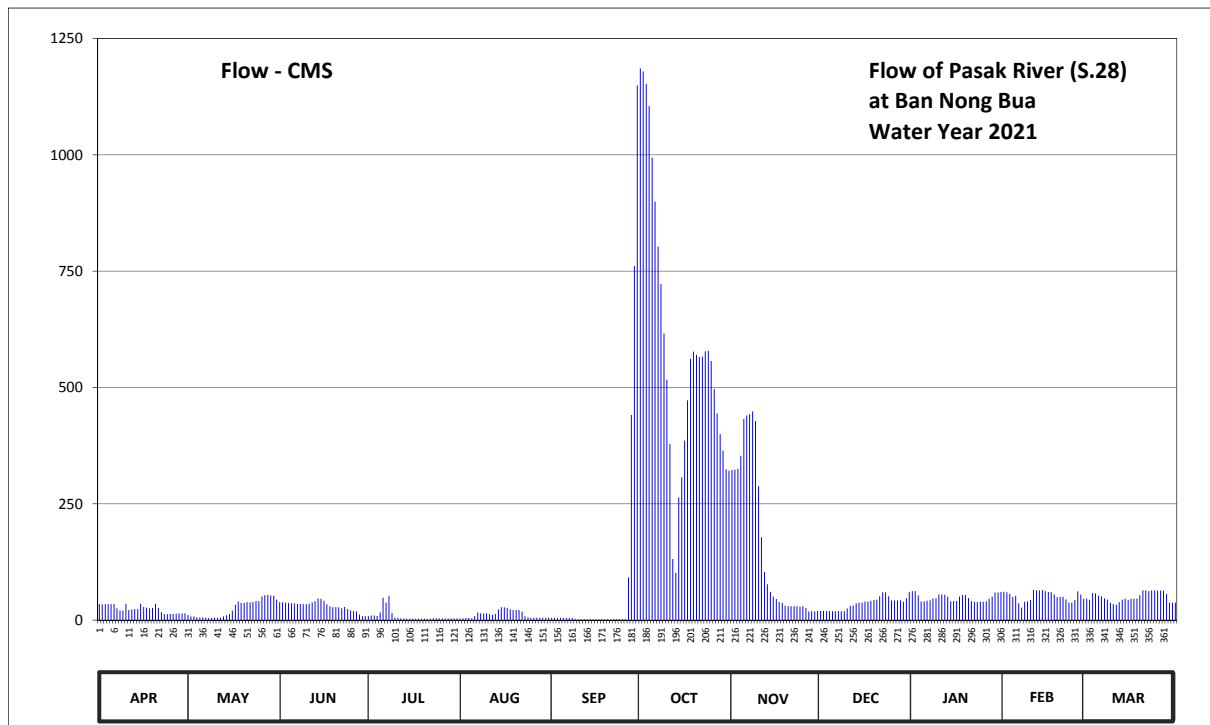
Lat 14 - 50 - 05 N Long 101 - 05 - 04 E

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 33 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	17.83	16.99	17.98	16.79	16.32	16.42	31.31	23.77	17.31	18.68	18.64	18.22	
2	17.81	16.71	17.97	16.91	16.34	16.40	31.27	23.78	17.31	18.69	18.61	18.14	
3	17.83	16.76	17.94	16.90	16.39	16.40	31.11	23.81	17.30	18.42	18.51	18.57	
4	17.83	16.55	17.93	16.81	16.41	16.40	30.81	24.20	17.31	18.03	18.32	18.54	
5	17.83	16.52	17.89	17.19	16.41	16.40	30.09	25.21	17.30	18.04	18.39	18.40	
6	17.85	16.52	17.89	18.27	16.78	16.40	29.44	25.30	17.30	18.08	17.89	18.35	
7	17.52	16.47	17.85	17.96	17.19	16.40	28.72	25.33	17.31	18.11	17.56	18.23	
8	17.34	16.39	17.84	18.39	17.14	16.40	28.08	25.40	17.30	18.22	18.02	18.15	
9	17.34	16.40	17.84	17.16	17.12	16.25	27.17	25.16	17.30	18.24	18.04	17.93	
10	17.86	16.48	17.83	16.49	17.12	16.20	26.17	23.24	17.50	18.47	18.13	17.84	
11	17.39	16.48	17.87	16.47	17.07	16.20	24.53	21.29	17.69	18.47	18.77	17.78	
12	17.42	16.47	17.97	16.35	17.01	16.20	20.37	19.74	17.73	18.46	18.73	17.98	
13	17.45	16.72	18.06	16.30	17.07	16.20	19.70	19.10	17.89	18.34	18.73	18.15	
14	17.45	16.95	18.22	16.28	17.43	16.20	22.84	18.64	17.94	18.05	18.74	18.21	
15	17.86	17.07	18.20	16.28	17.60	16.20	23.54	18.34	17.95	18.06	18.69	18.12	
16	17.61	17.33	18.08	16.28	17.59	16.20	24.63	18.19	18.03	18.07	18.63	18.21	
17	17.57	17.78	17.82	16.29	17.55	16.20	25.68	17.99	18.02	18.34	18.62	18.21	
18	17.51	18.03	17.66	16.29	17.44	16.20	26.64	17.95	18.08	18.43	18.47	18.22	
19	17.54	17.92	17.60	16.29	17.38	16.20	26.80	17.71	18.12	18.45	18.31	18.43	
20	17.86	17.92	17.60	16.29	17.38	16.20	26.73	17.68	18.15	18.25	18.32	18.73	
21	17.53	17.98	17.59	16.29	17.38	16.20	26.68	17.68	18.36	18.07	18.33	18.73	
22	17.22	17.97	17.51	16.28	17.26	16.20	26.69	17.68	18.61	18.02	18.16	18.68	
23	17.07	17.99	17.61	16.33	16.74	16.20	26.81	17.67	18.61	18.01	17.96	18.73	
24	17.06	18.06	17.45	16.35	16.55	16.20	26.82	17.64	18.36	18.02	17.96	18.73	
25	17.08	18.06	17.36	16.35	16.48	16.20	26.59	17.66	18.10	18.02	18.13	18.72	
26	17.09	18.35	17.31	16.35	16.48	16.20	25.96	17.53	18.10	18.04	18.67	18.72	
27	17.11	18.43	17.27	16.34	16.48	19.47	25.35	17.27	18.11	18.20	18.47	18.72	
28	17.12	18.45	17.04	16.35	16.48	25.31	24.81	17.30	18.11	18.34	18.20	18.51	
29	17.12	18.41	16.79	16.35	16.48	28.39	24.35	17.27	18.02	18.59		17.96	
30	17.12	18.40	16.78	16.35	16.48	31.09	23.79	17.31	18.24	18.60		17.95	
31		18.15		16.35	16.48		23.75		18.62	18.63		17.95	
Mean	17.47	17.38	17.69	16.63	16.90	17.57	26.36	20.23	17.87	18.27	18.36	18.32	
Max	17.86	18.45	18.22	18.39	17.60	31.09	31.31	25.40	18.62	18.69	18.77	18.73	31.31
Min	17.06	16.39	16.78	16.28	16.32	16.20	19.70	17.27	17.30	18.01	17.56	17.78	16.20
Annual Max Momentary Gage Height	31.35		m. (MSL.) ,			at 03.00 Hours ,	on Oct 2, 2021						
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	34.24	10.89	38.44	8.69	3.52	4.62	1185.46	322.36	19.68	62.12	60.76	46.48		
2	33.68	7.81	38.16	10.01	3.74	4.40	1178.82	323.04	19.68	62.46	59.74	43.76		
3	34.24	8.36	37.32	9.90	4.29	4.40	1152.26	325.08	19.40	53.28	56.34	58.38		
4	34.24	6.05	37.04	8.91	4.51	4.40	1104.74	353.20	19.68	40.02	49.88	57.36		
5	34.24	5.72	35.92	16.32	4.51	4.40	993.86	432.06	19.40	40.36	52.26	52.60		
6	34.80	5.72	35.92	48.18	8.58	4.40	899.60	439.80	19.40	41.72	35.92	50.90		
7	25.56	5.17	34.80	37.88	16.32	4.40	802.72	442.38	19.68	42.74	26.68	46.82		
8	20.52	4.29	34.52	52.26	14.92	4.40	722.08	448.40	19.40	46.48	39.68	44.10		
9	20.52	4.40	34.52	15.48	14.36	2.75	615.72	427.76	19.40	47.16	40.36	37.04		
10	35.08	5.28	34.24	5.39	14.36	2.20	516.32	287.88	25.00	54.98	43.42	34.52		
11	21.92	5.28	35.36	5.17	12.96	2.20	378.28	178.08	30.32	54.98	65.18	32.84		
12	22.76	5.17	38.16	3.85	11.28	2.20	131.28	103.56	31.44	54.64	63.82	38.44		
13	23.60	7.92	41.04	3.30	12.96	2.20	101.80	77.00	35.92	50.56	63.82	44.10		
14	23.60	10.45	46.48	3.08	23.04	2.20	263.72	60.76	37.32	40.70	64.16	46.14		
15	35.08	12.96	45.80	3.08	27.80	2.20	306.72	50.56	37.60	41.04	62.46	43.08		
16	28.08	20.24	41.72	3.08	27.52	2.20	385.88	45.46	40.02	41.38	60.42	46.14		
17	26.96	32.84	33.96	3.19	26.40	2.20	472.48	38.72	39.68	50.56	60.08	46.14		
18	25.28	40.02	29.48	3.19	23.32	2.20	561.44	37.60	41.72	53.62	54.98	46.48		
19	26.12	36.76	27.80	3.19	21.64	2.20	576.80	30.88	43.08	54.30	49.54	53.62		
20	35.08	36.76	27.80	3.19	21.64	2.20	570.08	30.04	44.10	47.50	49.88	63.82		
21	25.84	38.44	27.52	3.19	21.64	2.20	565.28	30.04	51.24	41.38	50.22	63.82		
22	17.16	38.16	25.28	3.08	18.28	2.20	566.24	30.04	59.74	39.68	44.44	62.12		
23	12.96	38.72	28.08	3.63	8.14	2.20	577.76	29.76	59.74	39.34	37.88	63.82		
24	12.68	41.04	23.60	3.85	6.05	2.20	578.72	28.92	51.24	39.68	37.88	63.82		
25	13.24	41.04	21.08	3.85	5.28	2.20	556.64	29.48	42.40	39.68	43.42	63.48		
26	13.52	50.90	19.68	3.85	5.28	2.20	496.56	25.84	42.40	40.36	61.78	63.48		
27	14.08	53.62	18.56	3.74	5.28	91.80	444.10	18.56	42.74	45.80	54.98	63.48		
28	14.36	54.30	12.12	3.85	5.28	440.66	399.56	19.40	42.74	50.56	45.80	56.34		
29	14.36	52.94	8.69	3.85	5.28	761.14	364.60	18.56	39.68	59.06		37.88		
30	14.36	52.60	8.58	3.85	5.28	1148.94	323.72	19.68	47.16	59.40		37.60		
31		44.10		3.85	5.28		321.00		60.08	60.42		37.60		
Total	728.16	777.95	921.67	287.93	388.74	2518.11	18114.24	4704.90	1121.08	1495.96	1435.78	1546.20	34040.72	CMSDAY
Mean	24.27	25.10	30.72	9.29	12.54	83.94	584.33	156.83	36.16	48.26	51.28	49.88	93.26	CMS
Max	35.08	54.30	46.48	52.26	27.80	1148.94	1185.46	448.40	60.08	62.46	65.18	63.82	1185.46	CMS
Min	12.68	4.29	8.58	3.08	3.52	2.20	101.80	18.56	19.40	39.34	26.68	32.84	2.20	CMS
Runoff	62.91	67.21	79.63	24.88	33.59	217.56	1565.07	406.50	96.86	129.25	124.05	133.59	2941.12	MCM
Momentary Peak	CMS. at 31.35 m. (MSL.) at 03.00 Hours , on Oct 2, 2021													
Runoff Yield	7.26	Liters/Second/Square KM.				Momentary Peak Yield				92.86	Liters/Second/Square KM.			

WATER YEAR : 2021**PASAK RIVER BASIN****Pasak River at Mueang , Saraburi (S.32)**

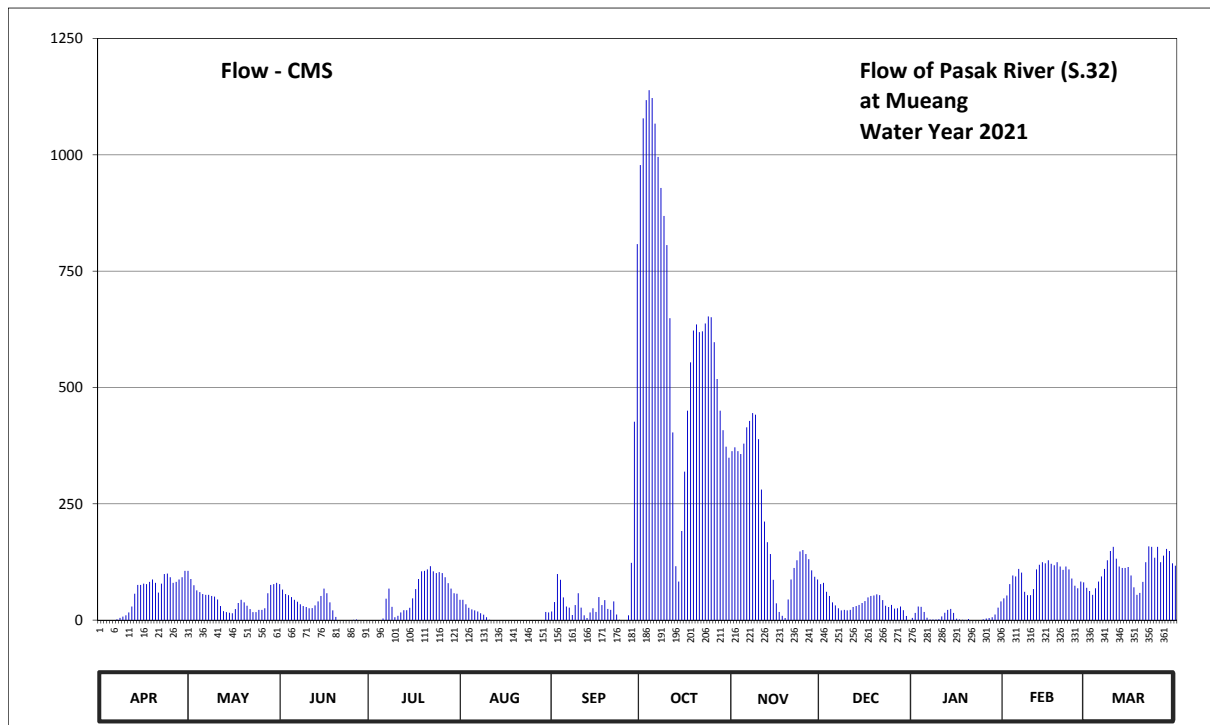
Lat 14 - 33 - 27 N Long 100 - 55 - 27 E

Location : on right bank at Mueang.

	Ban -	Amphoe Mueang	Changwat Saraburi
Drainage 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 10 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.96	7.55	7.25	5.56	6.84	6.43	13.75	9.57	7.25	6.15	6.88	7.16	
2	5.90	7.37	7.12	5.72	6.84	6.77	14.36	9.62	7.28	6.37	6.96	7.08	
3	5.82	7.22	7.00	5.77	6.70	7.48	14.56	9.57	7.06	6.62	7.25	6.98	
4	5.75	7.10	6.97	5.82	6.57	7.35	14.66	9.53	6.95	6.61	7.45	7.15	
5	5.82	7.05	6.92	5.86	6.51	6.91	14.58	9.67	6.76	6.41	7.43	7.31	
6	5.96	7.00	6.84	6.12	6.47	6.62	14.30	9.89	6.66	6.16	7.59	7.43	
7	6.07	6.98	6.78	6.87	6.43	6.58	13.87	9.97	6.55	6.06	7.51	7.59	
8	6.15	6.98	6.70	7.14	6.36	6.29	13.36	10.07	6.47	6.06	7.06	7.77	
9	6.21	6.95	6.64	6.61	6.30	6.67	12.72	10.05	6.49	6.06	6.97	7.95	
10	6.27	6.93	6.60	6.18	6.18	7.02	12.03	9.73	6.47	6.08	6.97	8.03	
11	6.39	6.85	6.55	6.25	6.02	6.58	11.22	9.01	6.49	6.22	7.13	7.80	
12	6.62	6.64	6.56	6.39	5.86	6.27	9.82	8.49	6.60	6.38	7.58	7.64	
13	7.01	6.44	6.66	6.48	5.74	6.14	7.65	8.12	6.64	6.49	7.68	7.61	
14	7.23	6.40	6.79	6.48	5.63	6.39	7.31	7.89	6.68	6.53	7.73	7.61	
15	7.23	6.38	6.95	6.57	5.60	6.55	8.32	7.35	6.74	6.37	7.71	7.63	
16	7.26	6.36	7.14	6.88	5.75	6.41	9.28	6.73	6.80	6.11	7.77	7.45	
17	7.25	6.52	7.02	7.13	5.93	6.92	10.10	6.41	6.91	6.05	7.70	7.17	
18	7.30	6.74	6.76	7.37	5.97	6.67	10.70	6.25	6.95	6.03	7.67	6.98	
19	7.36	6.84	6.47	7.54	5.96	6.83	11.08	6.14	6.96	6.01	7.73	7.03	
20	7.28	6.76	6.20	7.55	5.91	6.53	11.15	6.85	6.99	6.09	7.64	7.30	
21	7.04	6.65	5.95	7.58	5.83	6.49	11.06	7.36	6.97	5.91	7.57	7.73	
22	7.26	6.52	5.74	7.65	5.78	6.79	11.07	7.61	6.83	5.99	7.64	8.04	
23	7.48	6.40	5.66	7.54	5.70	6.31	11.16	7.77	6.65	5.95	7.58	8.03	
24	7.49	6.40	5.76	7.50	5.70	6.03	11.24	7.94	6.60	5.99	7.38	7.82	
25	7.41	6.49	5.89	7.52	5.73	5.72	11.23	7.97	6.68	6.07	7.21	8.03	
26	7.28	6.49	6.03	7.50	5.77	5.83	10.94	7.89	6.54	6.12	7.15	7.73	
27	7.30	6.55	6.06	7.41	5.78	6.27	10.50	7.79	6.55	6.14	7.31	7.86	
28	7.36	7.02	5.96	7.27	5.79	7.72	10.10	7.56	6.62	6.18	7.29	7.99	
29	7.41	7.23	5.79	7.14	6.00	9.96	9.85	7.42	6.48	6.31		7.95	
30	7.55	7.25	5.60	7.02	6.41	12.04	9.63	7.36	6.24	6.58		7.71	
31		7.28		7.01	6.39		9.48		5.94	6.79		7.66	
Mean	6.81	6.82	6.48	6.82	6.08	6.89	11.33	8.25	6.70	6.22	7.41	7.59	
Max	7.55	7.55	7.25	7.65	6.84	12.04	14.66	10.07	7.28	6.79	7.77	8.04	14.66
Min	5.75	6.36	5.60	5.56	5.60	5.72	7.31	6.14	5.94	5.91	6.88	6.98	5.56
Annual Max Momentary Gage Height	14.67		m. (MSL.) ,				at 11.00 Hours , on Oct 4, 2021						
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	106.00	77.50	0.00	43.80	18.65	978.00	363.20	77.50	4.75	46.60	69.40		
2	0.00	88.30	65.80	0.00	43.80	38.90	1078.40	371.20	80.20	15.35	52.80	62.40		
3	0.00	74.80	56.00	0.00	34.00	99.00	1117.60	363.20	60.80	29.20	77.50	54.40		
4	0.00	64.00	53.60	0.00	26.35	86.50	1138.60	356.80	52.00	28.60	96.00	68.50		
5	0.00	60.00	49.60	0.00	23.05	48.80	1121.80	379.20	38.20	17.55	94.00	82.90		
6	0.00	56.00	43.80	3.40	20.85	29.20	1067.00	414.40	31.60	5.20	110.00	94.00		
7	1.75	54.40	39.60	45.90	18.65	26.90	995.50	427.90	25.25	1.50	102.00	110.00		
8	4.75	54.40	34.00	67.60	14.80	11.05	928.60	444.90	20.85	1.50	60.80	128.70		
9	7.45	52.00	30.40	28.60	11.50	32.20	868.40	441.50	21.95	1.50	53.60	148.50		
10	10.15	50.40	28.00	6.10	6.10	57.60	806.00	388.80	20.85	2.00	53.60	157.30		
11	16.45	44.50	25.25	9.25	0.50	26.90	648.80	280.40	21.95	7.90	66.70	132.00		
12	29.20	30.40	25.80	16.45	0.00	10.15	403.20	211.80	28.00	15.90	109.00	115.00		
13	56.80	19.20	31.60	21.40	0.00	4.30	116.00	167.40	30.40	21.95	119.00	112.00		
14	75.70	17.00	40.30	21.40	0.00	16.45	82.90	141.90	32.80	24.15	124.30	112.00		
15	75.70	15.90	52.00	26.35	0.00	25.25	191.40	86.50	36.80	15.35	122.10	114.00		
16	78.40	14.80	67.60	46.60	0.00	17.55	319.00	36.10	41.00	2.95	128.70	96.00		
17	77.50	23.60	57.60	66.70	0.00	49.60	450.00	17.55	48.80	1.25	121.00	70.30		
18	82.00	36.80	38.20	88.30	0.00	32.20	554.00	9.25	52.00	0.75	118.00	54.40		
19	87.40	43.80	20.85	105.00	0.00	43.10	622.40	4.30	52.80	0.25	124.30	58.40		
20	80.20	38.20	7.00	106.00	0.00	24.15	635.50	44.50	55.20	2.25	115.00	82.00		
21	59.20	31.00	0.00	109.00	0.00	21.95	618.80	87.40	53.60	0.00	108.00	124.30		
22	78.40	23.60	0.00	116.00	0.00	40.30	620.60	112.00	43.10	0.00	115.00	158.40		
23	99.00	17.00	0.00	105.00	0.00	12.05	637.40	128.70	31.00	0.00	109.00	157.30		
24	100.00	17.00	0.00	101.00	0.00	0.75	652.60	147.40	28.00	0.00	89.20	134.20		
25	92.00	21.95	0.00	103.00	0.00	0.00	650.70	150.70	32.80	1.75	73.90	157.30		
26	80.20	21.95	0.75	101.00	0.00	0.00	597.20	141.90	24.70	3.40	68.50	124.30		
27	82.00	25.25	1.50	92.00	0.00	10.15	518.00	130.90	25.25	4.30	82.90	138.60		
28	87.40	57.60	0.00	79.30	0.00	123.20	450.00	107.00	29.20	6.10	81.10	152.90		
29	92.00	75.70	0.00	67.60	0.00	426.20	408.00	93.00	21.40	12.05		148.50		
30	106.00	77.50	0.00	57.60	17.55	808.00	372.80	87.40	8.80	26.90		122.10		
31		80.20		56.80	16.45		349.00		0.00	40.30		117.00		
Total	1559.65	1393.25	846.75	1647.35	277.40	2141.05	19998.20	6137.20	1126.80	294.65	2622.60	3457.10	41502.00	CMSDAY
Mean	51.99	44.94	28.23	53.14	8.95	71.37	645.10	204.57	36.35	9.50	93.66	111.52	113.70	CMS
Max	106.00	106.00	77.50	116.00	43.80	808.00	1138.60	444.90	80.20	40.30	128.70	158.40	1138.60	CMS
Min	0.00	14.80	0.00	0.00	0.00	0.00	82.90	4.30	0.00	0.00	46.60	54.40	0.00	CMS
Runoff	134.75	120.38	73.16	142.33	23.97	184.99	1727.84	530.25	97.36	25.46	226.59	298.69	3585.77	MCM
Momentary Peak	CMS. at 14.67 m. (MSL.) at 11:00 Hours , on Oct 4, 2021													
Runoff Yield	7.62	Liters/Second/Square KM.				Momentary Peak Yield				76.46	Liters/Second/Square KM.			

WATER YEAR : 2021**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.				
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	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +198.850 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 25 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	191.47	191.86	191.51	191.72	191.86	192.78	193.22	192.82	191.94	191.78	191.68	191.65	
2	191.47	191.62	191.50	191.60	191.79	192.70	193.15	192.52	191.93	191.78	191.69	191.64	
3	191.47	191.86	191.53	191.57	191.77	192.71	193.01	192.39	191.92	191.78	191.70	191.64	
4	191.49	191.61	191.50	191.53	192.70	192.79	192.87	192.35	191.92	191.77	191.79	191.64	
5	191.51	191.69	191.49	191.52	191.96	194.69	192.73	192.31	191.91	191.76	191.72	191.64	
6	191.50	191.58	191.49	191.50	191.87	193.36	192.67	192.27	191.90	191.76	191.71	191.63	
7	192.34	191.53	191.93	191.57	191.80	193.48	192.78	192.25	191.90	191.76	191.70	191.64	
8	191.71	191.58	192.75	192.47	191.77	193.19	192.63	192.22	191.90	191.75	191.69	191.86	
9	191.57	192.21	192.12	192.07	191.72	197.46	192.93	192.20	191.89	191.75	191.69	191.71	
10	191.55	191.63	192.21	191.95	191.68	196.75	192.98	192.19	191.89	191.74	191.68	191.67	
11	191.54	191.52	192.15	191.71	191.68	195.02	193.53	192.17	191.88	191.73	191.68	191.65	
12	191.55	191.53	191.91	191.63	191.67	194.94	193.98	192.16	191.88	191.72	191.70	191.65	
13	191.54	191.51	191.77	191.85	191.69	193.56	194.16	192.15	191.86	191.72	191.69	191.64	
14	191.55	191.50	192.95	192.29	191.92	194.27	193.18	192.13	191.86	191.71	191.69	191.64	
15	191.54	191.50	192.42	191.97	191.75	193.48	192.88	192.12	191.85	191.70	191.70	191.64	
16	191.55	191.49	191.99	192.75	192.54	193.43	194.18	192.11	191.85	191.71	191.74	191.64	
17	191.59	191.50	192.44	191.91	191.89	194.56	193.75	192.10	191.84	191.70	191.89	191.76	
18	191.69	191.55	191.98	191.87	191.78	193.72	193.17	192.09	191.84	191.70	191.76	191.69	
19	191.86	191.57	191.82	191.80	191.76	194.53	192.92	192.08	191.83	191.70	191.73	191.66	
20	191.86	191.84	191.71	192.44	191.80	194.50	192.79	192.07	191.82	191.69	191.86	191.65	
21	191.58	191.60	191.66	191.98	191.95	193.83	192.70	192.05	191.83	191.70	191.83	191.64	
22	191.59	191.55	191.62	192.06	191.72	194.07	193.62	192.03	191.82	191.73	191.75	191.67	
23	191.55	191.52	191.59	193.72	191.67	194.25	192.83	192.02	191.82	191.82	191.70	191.71	
24	191.56	191.52	191.57	194.17	191.65	194.14	192.68	192.00	191.81	191.74	191.69	191.68	
25	191.53	191.73	191.55	193.70	191.83	195.31	192.61	191.99	191.81	191.72	191.67	191.68	
26	191.54	191.65	191.54	194.42	192.08	194.52	192.56	191.99	191.80	191.70	191.67	191.65	
27	191.89	191.53	191.67	192.72	192.28	194.20	192.54	191.98	191.80	191.70	191.66	191.64	
28	191.55	191.52	191.61	192.36	191.95	193.78	192.54	191.97	191.80	191.69	191.66	191.62	
29	191.54	191.65	191.58	192.12	191.93	193.44	192.54	191.96	191.80	191.69		191.74	
30	191.59	191.57	191.95	192.00	193.87	193.20	192.49	191.96	191.79	191.68		192.40	
31		191.52		191.90	193.45		192.41		191.79	191.67		191.83	
Mean	191.61	191.61	191.85	192.22	191.99	194.09	193.00	192.16	191.85	191.73	191.72	191.70	
Max	192.34	192.21	192.95	194.42	193.87	197.46	194.18	192.82	191.94	191.82	191.89	192.40	197.46
Min	191.47	191.49	191.49	191.50	191.65	192.70	192.41	191.96	191.79	191.67	191.66	191.62	191.47
Annual Max Momentary Gage Height	200.24		m. (MSL.) ,			at 04.00 Hours ,	on Sep 9, 2021						
Zero Gage at Bottom Elevation		190.09	m. (MSL.) ,			River Bed	191.08	m. (MSL.)					
Left Bank Elevation		198.84	m. (MSL.) ,										
Right Bank Elevation		198.90	m. (MSL.) ,			Drainage Are	515	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.06	2.20	1.12	1.50	2.20	8.12	12.14	8.48	2.60	1.80	1.37	1.33		
2	1.06	1.28	1.10	1.25	1.85	7.40	11.48	5.78	2.55	1.80	1.39	1.31		
3	1.06	2.20	1.15	1.21	1.75	7.49	10.19	4.94	2.50	1.80	1.40	1.31		
4	1.09	1.27	1.10	1.15	7.40	8.21	8.93	4.70	2.50	1.75	1.85	1.31		
5	1.12	1.39	1.09	1.13	2.70	35.71	7.67	4.46	2.45	1.70	1.50	1.31		
6	1.10	1.22	1.09	1.10	2.25	13.50	7.13	4.25	2.40	1.70	1.45	1.30		
7	4.64	1.15	2.55	1.21	1.90	14.74	8.12	4.15	2.40	1.70	1.40	1.31		
8	1.45	1.22	7.85	5.42	1.75	11.86	6.77	4.00	2.40	1.65	1.39	2.20		
9	1.21	3.95	3.50	3.25	1.50	178.44	9.47	3.90	2.35	1.65	1.39	1.45		
10	1.18	1.30	3.95	2.65	1.37	126.26	9.92	3.85	2.35	1.60	1.37	1.36		
11	1.16	1.13	3.65	1.45	1.37	45.28	15.27	3.75	2.30	1.55	1.37	1.33		
12	1.18	1.15	2.45	1.30	1.36	42.96	20.44	3.70	2.30	1.50	1.40	1.33		
13	1.16	1.12	1.75	2.15	1.39	15.58	23.38	3.65	2.20	1.50	1.39	1.31		
14	1.18	1.10	9.65	4.35	2.50	25.36	11.76	3.55	2.20	1.45	1.39	1.31		
15	1.16	1.10	5.12	2.75	1.65	14.74	9.02	3.50	2.15	1.40	1.40	1.31		
16	1.18	1.09	2.85	7.85	5.96	14.22	23.74	3.45	2.15	1.45	1.60	1.31		
17	1.24	1.10	5.24	2.45	2.35	32.14	17.58	3.40	2.10	1.40	2.35	1.70		
18	1.39	1.18	2.80	2.25	1.80	17.26	11.67	3.35	2.10	1.40	1.70	1.39		
19	2.20	1.21	2.00	1.90	1.70	31.42	9.38	3.30	2.05	1.40	1.55	1.34		
20	2.20	2.10	1.45	5.24	1.90	30.70	8.21	3.25	2.00	1.39	2.20	1.33		
21	1.22	1.25	1.34	2.80	2.65	18.49	7.40	3.15	2.05	1.40	2.05	1.31		
22	1.24	1.18	1.28	3.20	1.50	21.82	16.21	3.05	2.00	1.55	1.65	1.36		
23	1.18	1.13	1.24	17.26	1.36	25.00	8.57	3.00	2.00	2.00	1.40	1.45		
24	1.19	1.13	1.21	23.56	1.33	23.02	7.22	2.90	1.95	1.60	1.39	1.37		
25	1.15	1.55	1.18	17.05	2.05	54.09	6.59	2.85	1.95	1.50	1.36	1.37		
26	1.16	1.33	1.16	28.78	3.30	31.18	6.14	2.85	1.90	1.40	1.36	1.33		
27	2.35	1.15	1.36	7.58	4.30	24.10	5.96	2.80	1.90	1.40	1.34	1.31		
28	1.18	1.13	1.27	4.76	2.65	17.89	5.96	2.75	1.90	1.39	1.34	1.28		
29	1.16	1.33	1.22	3.50	2.55	14.32	5.96	2.70	1.90	1.39		1.60		
30	1.24	1.21	2.65	2.90	19.01	11.95	5.54	2.70	1.85	1.37		5.00		
31		1.13		2.40	14.43		5.06		1.85	1.36		2.05		
Total	42.09	42.98	75.37	165.35	101.78	923.25	322.88	112.16	67.30	47.95	42.75	47.28	1991.14	CMSDAY
Mean	1.40	1.39	2.51	5.3										

Pasak River at Ban Non Thong , Phetchabun (S.36)

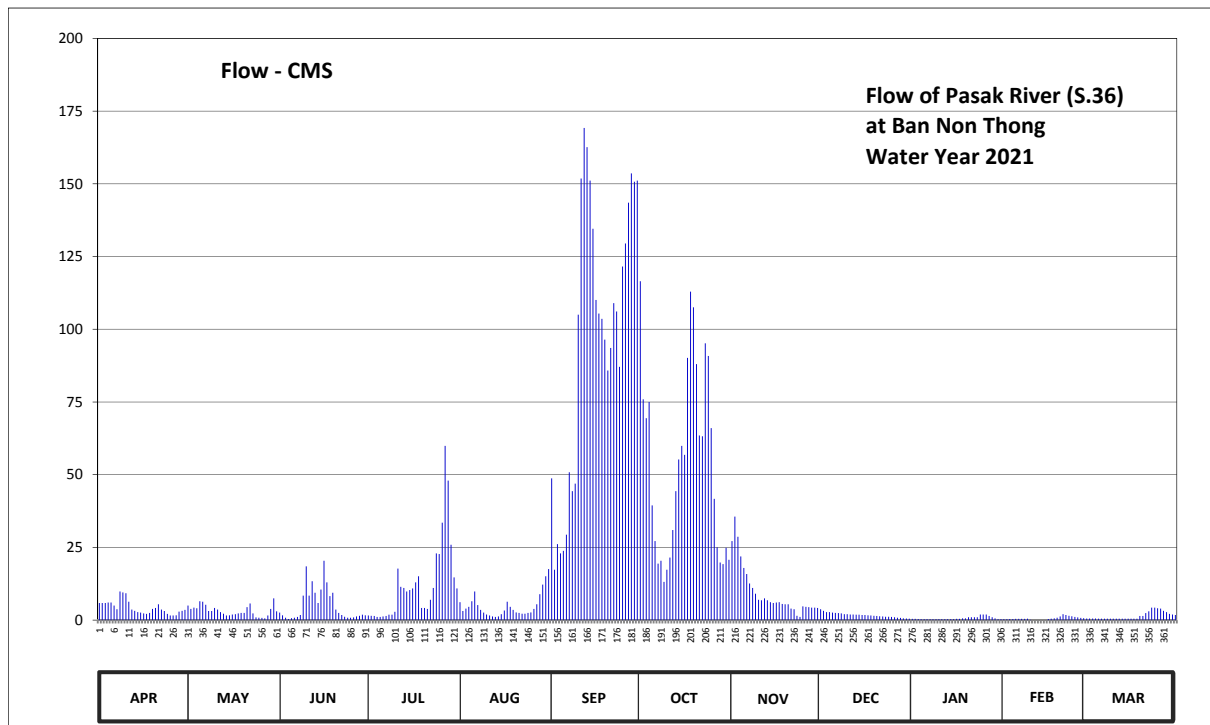
Lat 16 - 43 - 47 N Long 101 - 14 - 18 E

Location : on right bank at Ban Non Thong.

	Ban	Non Thong	Amphoe	Lom Sak	Changwat	Phetchabun
Drainage Area	2,141	sq. km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+130.950	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank near the gage site.				Elevation	+143.140 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1999 to date					
Rating Operation						
Period of Rating	1999 to date					
Rated by Float	-					
Rated by Current Meter	1999 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +140.870 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 10 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Gage Height in Feet (MSL) Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	135.41	135.35	135.13	135.02	135.43	137.44	139.64	136.55	135.25	134.87	134.85	134.89	
2	135.41	135.26	135.03	135.01	135.19	136.06	138.42	136.92	135.20	134.87	134.85	134.89	
3	135.41	135.30	134.93	135.00	135.27	136.50	138.21	136.62	135.15	134.86	134.86	134.89	
4	135.42	135.28	134.86	134.96	135.32	136.35	138.39	136.30	135.15	134.85	134.86	134.89	
5	135.42	135.45	134.91	134.96	135.45	136.39	137.08	136.09	135.13	134.85	134.87	134.88	
6	135.35	135.44	134.93	134.98	135.66	136.65	136.55	135.98	135.12	134.85	134.87	134.88	
7	135.25	135.37	134.96	135.00	135.36	137.52	136.17	135.81	135.11	134.85	134.87	134.88	
8	135.66	135.19	135.04	135.05	135.23	137.27	136.22	135.73	135.10	134.85	134.87	134.88	
9	135.64	135.19	135.57	135.05	135.13	137.37	135.84	135.61	135.07	134.85	134.88	134.88	
10	135.62	135.29	136.12	135.16	135.06	139.32	136.06	135.48	135.07	134.85	134.82	134.88	
11	135.44	135.24	135.57	136.08	135.02	140.62	136.28	135.47	135.06	134.85	134.77	134.88	
12	135.24	135.15	135.85	135.75	134.98	141.08	136.72	135.51	135.06	134.85	134.75	134.88	
13	135.20	135.09	135.63	135.73	134.96	140.91	137.27	135.47	135.05	134.85	134.73	134.88	
14	135.15	135.02	135.41	135.66	134.98	140.60	137.69	135.43	135.05	134.85	134.76	134.88	
15	135.13	135.03	135.70	135.69	135.07	140.14	137.87	135.41	135.04	134.85	134.80	134.88	
16	135.10	135.06	136.22	135.72	135.21	139.46	137.75	135.42	135.04	134.87	134.86	134.88	
17	135.08	135.07	135.83	135.83	135.44	139.33	138.88	135.43	135.03	134.87	134.88	134.88	
18	135.12	135.10	135.56	135.94	135.32	139.28	139.54	135.39	135.02	134.90	134.90	134.88	
19	135.26	135.12	135.63	135.29	135.23	139.08	139.39	135.38	135.01	134.90	134.93	135.00	
20	135.29	135.12	135.24	135.29	135.14	138.74	138.81	135.38	135.00	134.95	134.98	135.00	
21	135.38	135.31	135.12	135.26	135.12	138.99	138.00	135.27	134.99	134.95	135.07	135.11	
22	135.24	135.40	135.04	135.48	135.09	139.43	137.99	135.25	134.98	134.95	135.04	135.18	
23	135.19	135.10	134.97	135.73	135.09	139.35	139.04	135.01	134.97	134.95	135.01	135.30	
24	135.08	134.94	134.93	136.35	135.12	138.78	138.90	134.96	134.97	135.06	134.99	135.30	
25	135.02	134.93	134.93	136.34	135.14	139.78	138.09	135.33	134.96	135.06	134.96	135.28	
26	135.02	134.92	134.94	136.83	135.26	140.00	137.17	135.32	134.95	135.06	134.94	135.27	
27	135.03	134.90	134.98	137.87	135.38	140.39	136.45	135.31	134.93	135.00	134.92	135.20	
28	135.17	135.02	135.01	137.41	135.60	140.67	136.19	135.30	134.92	134.95	134.91	135.15	
29	135.20	135.26	135.05	136.49	135.79	140.59	136.16	135.30	134.90	134.90		135.08	
30	135.23	135.51	135.03	135.92	135.94	140.60	136.44	135.29	134.89	134.85		135.06	
31		135.18		135.72	136.07		136.24		134.88	134.85		135.04	
Mean	135.27	135.18	135.27	135.70	135.29	138.96	137.53	135.59	135.03	134.90	134.89	135.00	
Max	135.66	135.51	136.22	137.87	136.07	141.08	139.64	136.92	135.25	135.06	135.07	135.30	141.08
Min	135.02	134.90	134.86	134.96	134.96	136.06	135.84	134.96	134.88	134.85	134.73	134.88	134.73
Annual Max Momentary Gage Height	141.09		m. (MSL.) ,		at 12.00 Hours , on Sep 12, 2021								
Zero Gage at Bottom Elevation	130.95		m. (MSL.) ,		River Bed		134.16	m. (MSL.)					
Left Bank Elevation	140.88		m. (MSL.) ,										
Right Bank Elevation	140.86		m. (MSL.) ,		Drainage Are		2,141	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	5.86	5.00	2.57	1.58	6.18	48.74	116.54	27.15	3.75	0.42	0.30	0.54		
2	5.86	3.86	1.67	1.49	3.11	17.34	75.92	35.58	3.20	0.42	0.30	0.54		
3	5.86	4.30	0.84	1.40	3.97	26.10	69.41	28.66	2.75	0.36	0.36	0.54		
4	6.02	4.08	0.36	1.08	4.58	22.95	74.99	21.90	2.75	0.30	0.36	0.54		
5	6.02	6.50	0.68	1.08	6.50	23.79	39.42	17.91	2.57	0.30	0.42	0.48		
6	5.00	6.34	0.84	1.24	9.86	29.35	27.15	15.82	2.48	0.30	0.42	0.48		
7	3.75	5.28	1.08	1.40	5.14	50.82	19.43	12.59	2.39	0.30	0.42	0.48		
8	9.86	3.11	1.76	1.85	3.53	44.32	20.38	11.07	2.30	0.30	0.42	0.48		
9	9.54	3.11	8.42	1.85	2.57	46.92	13.16	9.06	2.03	0.30	0.48	0.48		
10	9.22	4.19	18.48	2.84	1.94	105.02	17.34	6.98	2.03	0.30	0.12	0.48		
11	6.34	3.64	8.42	17.72	1.58	151.82	21.52	6.82	1.94	0.30	0.00	0.48		
12	3.64	2.75	13.35	11.45	1.24	169.22	30.96	7.46	1.94	0.30	0.00	0.48		
13	3.20	2.21	9.38	11.07	1.08	162.59	44.32	6.82	1.85	0.30	0.00	0.48		
14	2.75	1.58	5.86	9.86	1.24	151.10	55.24	6.18	1.85	0.30	0.00	0.48		
15	2.57	1.67	10.50	10.34	2.03	134.54	59.92	5.86	1.76	0.30	0.00	0.48		
16	2.30	1.94	20.38	10.88	3.31	110.06	56.80	6.02	1.76	0.42	0.36	0.48		
17	2.12	2.03	12.97	12.97	6.34	105.38	90.18	6.18	1.67	0.42	0.48	0.48		
18	2.48	2.30	8.26	15.06	4.58	103.58	112.94	5.56	1.58	0.60	0.60	0.48		
19	3.86	2.48	9.38	4.19	3.53	96.46	107.54	5.42	1.49	0.60	0.84	1.40		
20	4.19	2.48	3.64	4.19	2.66	85.84	88.01	5.42	1.40	1.00	1.24	1.40		
21	5.42	4.44	2.48	3.86	2.48	93.59	63.50	3.97	1.32	1.00	2.03	2.39		
22	3.64	5.70	1.76	6.98	2.21	108.98	63.22	3.75	1.24	1.00	1.76	3.02		
23	3.11	2.30	1.16	11.07	2.21	106.10	95.18	1.49	1.16	1.00	1.49	4.30		
24	2.12	0.92	0.84	22.95	2.48	87.08	90.80	1.08	1.16	1.94	1.32	4.30		
25	1.58	0.84	0.84	22.74	2.66	121.58	66.02	4.72	1.08	1.94	1.08	4.08		
26	1.58	0.76	0.92	33.49	3.86	129.50	41.72	4.58	1.00	1.94	0.92	3.97		
27	1.67	0.60	1.24	59.92	5.42	143.54	25.05	4.44	0.84	1.40	0.76	3.20		
28	2.93	1.58	1.49	47.96	8.90	153.62	19.81	4.30	0.76	1.00	0.68	2.75		
29	3.20	3.86	1.85	25.89	12.21	150.74	19.24	4.30	0.60	0.60		2.12		
30	3.53	7.46	1.67	14.68	15.06	151.10	24.84	4.19	0.54	0.30		1.94		
31		3.02		10.88	17.53		20.76		0.48	0.30		1.76		
Total	129.22	100.33	153.09	383.96	149.99	2931.77	1671.31	285.28	53.67	20.26	17.16	45.51	5941.55	CMSDAY
Mean	4.31	3.24	5.10	12.39	4.84	97.73	53.91	9.51	1.73	0.65	0.61	1.47	16.28	CMS
Max	9.86	7.46	20.38	59.92	17.53	169.22	116.54	35.58	3.75	1.94	2.03	4.30	169.22	CMS
Min	1.58	0.60	0.36	1.08	1.08	17.34	13.16	1.08	0.48	0.30	0.00	0.48	0.00	CMS
Runoff	11.16	8.67	13.23	33.17	12.96	253.30	144.40	24.65	4.64	1.75	1.48	3.93	513.35	MCM
Momentary Peak	CMS. at 141.09 m. (MSL.) at 12.00 Hours , on Sep 12, 2021													
Runoff Yield	7.60	Liters/Second/Square KM.				Momentary Peak Yield		79.21	Liters/Second/Square KM.					

WATER YEAR : 2021**PASAK RIVER BASIN****Pasak River at Ban Bo Rang , Phetchabun (S.42)**

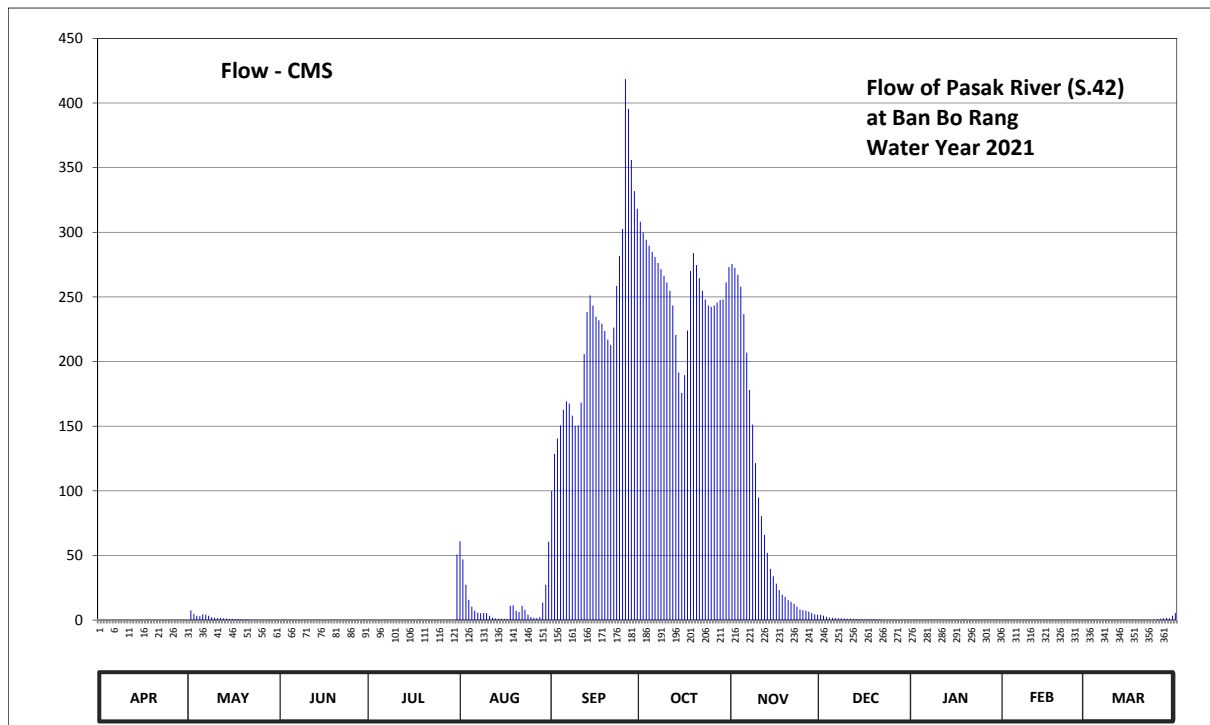
Lat 15 - 34 - 42 N Long 101 - 05 - 19 E

Location : on left bank at the bridge.

	Ban Bo Rang	Amphoe Wichian Buri	Changwat Phetchabun
Drainage Area	7,400 sq.km.		
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 +64.220 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 8 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	52.84	54.78	54.55	54.01	57.51	58.72	63.45	63.09	55.35	54.50	54.39	54.31	
2	52.87	55.56	54.52	53.98	57.06	59.60	63.37	63.05	55.30	54.51	54.37	54.31	
3	52.89	55.40	54.49	53.96	56.41	59.95	63.31	62.98	55.24	54.50	54.36	54.30	
4	52.92	55.29	54.47	53.93	55.97	60.23	63.26	62.84	55.19	54.50	54.36	54.29	
5	52.98	55.27	54.45	53.87	55.73	60.57	63.21	62.47	55.15	54.49	54.35	54.28	
6	53.01	55.36	54.41	53.81	55.54	60.75	63.16	61.78	55.12	54.48	54.35	54.28	
7	53.03	55.35	54.38	53.81	55.45	60.70	63.10	60.99	55.10	54.48	54.35	54.33	
8	53.05	55.29	54.33	53.83	55.42	60.44	63.04	60.25	55.09	54.46	54.34	54.35	
9	53.06	55.22	54.28	53.84	55.44	60.22	62.97	59.38	55.07	54.44	54.34	54.35	
10	53.08	55.17	54.25	53.84	55.43	60.23	62.89	58.56	55.06	54.41	54.33	54.35	
11	53.09	55.14	54.24	53.86	55.29	60.72	62.79	58.12	55.05	54.41	54.33	54.35	
12	53.11	55.14	54.23	53.86	55.17	61.75	62.60	57.67	55.04	54.43	54.34	54.35	
13	53.13	55.10	54.23	53.85	55.10	62.50	62.11	57.22	55.01	54.45	54.34	54.35	
14	53.14	55.07	54.24	53.85	55.06	62.73	61.37	56.82	54.98	54.46	54.33	54.34	
15	53.16	55.04	54.25	53.85	55.05	62.60	60.93	56.63	54.97	54.46	54.32	54.36	
16	53.17	55.02	54.24	53.93	55.02	62.43	61.31	56.44	54.96	54.45	54.32	54.35	
17	53.18	55.00	54.24	53.93	54.98	62.37	62.19	56.26	54.95	54.45	54.33	54.34	
18	53.19	54.98	54.23	53.96	55.77	62.31	63.02	56.12	54.93	54.45	54.33	54.37	
19	53.23	54.94	54.22	53.96	55.79	62.18	63.20	56.06	54.91	54.44	54.33	54.44	
20	53.24	54.93	54.19	54.17	55.54	62.03	63.08	55.96	54.90	54.44	54.34	54.44	
21	53.25	54.90	54.17	54.39	55.48	61.93	62.94	55.90	54.88	54.44	54.34	54.44	
22	53.26	54.85	54.16	54.50	55.76	62.24	62.79	55.84	54.86	54.44	54.34	54.44	
23	53.27	54.78	54.15	54.54	55.58	62.85	62.68	55.73	54.79	54.45	54.34	54.44	
24	53.28	54.74	54.15	54.56	55.35	63.17	62.60	55.60	54.73	54.45	54.33	54.57	
25	53.28	54.71	54.14	54.60	55.23	63.40	62.58	55.56	54.71	54.43	54.33	54.96	
26	53.31	54.67	54.13	54.65	55.15	64.14	62.60	55.55	54.64	54.43	54.33	55.06	
27	53.42	54.64	54.11	54.63	55.12	64.04	62.64	55.50	54.58	54.43	54.33	55.10	
28	53.46	54.63	54.10	54.60	55.22	63.82	62.67	55.43	54.55	54.44	54.32	55.14	
29	53.64	54.62	54.08	54.57	55.88	63.65	62.68	55.36	54.53	54.43		55.09	
30	54.18	54.61	54.05	54.58	56.41	63.54	62.89	55.35	54.52	54.43		55.29	
31		54.57		57.18	57.50		63.06		54.51	54.42		55.43	
Mean	53.19	54.99	54.26	54.22	55.66	61.86	62.73	57.95	54.92	54.45	54.34	54.54	
Max	54.18	55.56	54.55	57.18	57.51	64.14	63.45	63.09	55.35	54.51	54.39	55.43	64.14
Min	52.84	54.57	54.05	53.81	54.98	58.72	60.93	55.35	54.51	54.41	54.32	54.28	52.84
Annual Max Momentary Gage Height	64.27		m. (MSL.) ,			at 08.00 Hours , on Sep 26, 2021							
Zero Gage at Bottom Elevation		51.80	m. (MSL.) ,			River Bed	52.75	m. (MSL.)					
Left Bank Elevation		64.28	m. (MSL.) ,										
Right Bank Elevation		64.21	m. (MSL.) ,			Drainage Are	7,400	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	60.97	100.00	308.20	275.48	4.25	0.00	0.00	0.00	
2	0.00	7.52	0.00	0.00	46.96	128.60	299.81	272.38	3.50	0.00	0.00	0.00	
3	0.00	5.00	0.00	0.00	27.30	140.50	294.23	267.18	2.60	0.00	0.00	0.00	
4	0.00	3.35	0.00	0.00	15.70	150.58	289.58	257.94	1.94	0.00	0.00	0.00	
5	0.00	3.05	0.00	0.00	10.44	162.82	284.93	236.80	1.70	0.00	0.00	0.00	
6	0.00	4.40	0.00	0.00	7.18	169.30	280.90	206.95	1.52	0.00	0.00	0.00	
7	0.00	4.25	0.00	0.00	5.75	167.50	276.25	177.94	1.40	0.00	0.00	0.00	
8	0.00	3.35	0.00	0.00	5.30	158.14	271.60	151.30	1.34	0.00	0.00	0.00	
9	0.00	2.30	0.00	0.00	5.60	150.22	266.52	121.45	1.22	0.00	0.00	0.00	
10	0.00	1.82	0.00	0.00	5.45	150.58	261.24	94.80	1.16	0.00	0.00	0.00	
11	0.00	1.64	0.00	0.00	3.35	168.22	254.70	80.50	1.10	0.00	0.00	0.00	
12	0.00	1.64	0.00	0.00	1.82	205.83	243.30	66.01	1.04	0.00	0.00	0.00	
13	0.00	1.40	0.00	0.00	1.40	238.30	220.54	51.92	0.86	0.00	0.00	0.00	
14	0.00	1.22	0.00	0.00	1.16	251.10	191.62	39.60	0.72	0.00	0.00	0.00	
15	0.00	1.04	0.00	0.00	1.10	243.30	175.78	33.90	0.68	0.00	0.00	0.00	
16	0.00	0.92	0.00	0.00	0.92	234.80	189.46	28.20	0.64	0.00	0.00	0.00	
17	0.00	0.80	0.00	0.00	0.72	231.98	224.06	23.22	0.60	0.00	0.00	0.00	
18	0.00	0.72	0.00	0.00	11.16	229.34	270.05	19.52	0.52	0.00	0.00	0.00	
19	0.00	0.56	0.00	0.00	11.52	223.62	284.00	17.96	0.44	0.00	0.00	0.00	
20	0.00	0.52	0.00	0.00	7.18	217.02	274.70	15.46	0.40	0.00	0.00	0.00	
21	0.00	0.40	0.00	0.00	6.20	212.90	264.54	14.05	0.32	0.00	0.00	0.00	
22	0.00	0.20	0.00	0.00	10.98	226.26	254.70	12.64	0.24	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	7.86	258.60	248.10	10.44	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	4.25	281.68	243.30	8.20	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	2.45	302.60	242.30	7.52	0.00	0.00	0.00	0.64	
26	0.00	0.00	0.00	0.00	1.70	418.50	243.30	7.35	0.00	0.00	0.00	1.16	
27	0.00	0.00	0.00	0.00	1.52	395.50	245.70	6.50	0.00	0.00	0.00	1.40	
28	0.00	0.00	0.00	0.00	2.30	355.97	247.50	5.45	0.00	0.00	0.00	1.64	
29	0.00	0.00	0.00	0.00	13.58	331.90	248.10	4.40	0.00	0.00		1.34	
30	0.00	0.00	0.00	0.00	27.30	318.28	261.24	4.25	0.00	0.00		3.35	
31		0.00		50.68	60.65		273.15		0.00	0.00		5.45	
Total	0.00	46.10	0.00	50.68	369.77	6823.94	7933.40	2519.31	28.19	0.00	0.00	14.98	17786.37 CMSDAY
Mean	0.00	1.49	0.00	1.63	11.93	227.46	255.92	83.98	0.91	0.00	0.00	0.48	48.73 CMS
Max	0.00	7.52	0.00	50.68	60.97	418.50	308.20	275.48	4.25	0.00	0.00	5.45	418.50 CMS
Min	0.00	0.00	0.00	0.00	0.72	100.00	175.78	4.25	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.00	3.98	0.00	4.38	31.95	589.59	685.45	217.67	2.44	0.00	0.00	1.29	1536.74 MCM
Momentary Peak	463.10 CMS. at 64.27 m. (MSL.) at 08:00 Hours , on Sep 26, 2021												
Runoff Yield	6.58	Liters/Second/Square KM.			Momentary Peak Yield			62.58	Liters/Second/Square KM.				

WATER YEAR : 2021**PASAK RIVER BASIN****Pasak River at Ban Phun Sap , Lop Buri (S.43)**

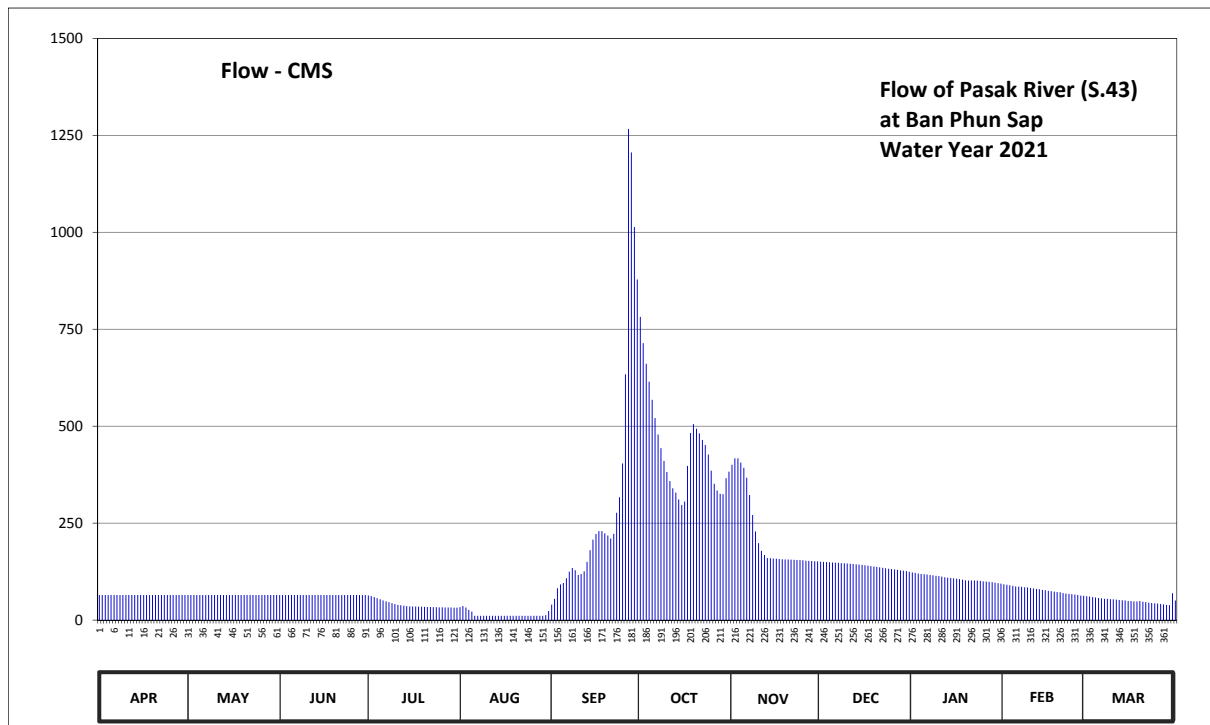
Lat 15 - 19 - 39 N Long 101 - 12 - 45 E

Location : on right bank at the bridge.

	Ban Phun Sap	Amphoe Chai Badan	Changwat Lop Buri
Drainage Area	9,359 sq.km.		
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 27 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	41.42	41.42	41.42	41.39	40.23	40.50	51.13	47.90	43.74	43.09	42.28	41.32	
2	41.42	41.42	41.42	41.33	40.35	41.10	50.75	48.10	43.73	43.06	42.24	41.29	
3	41.42	41.42	41.42	41.25	40.19	41.97	50.42	48.10	43.72	43.02	42.20	41.25	
4	41.42	41.42	41.42	41.15	39.92	42.27	50.08	47.97	43.70	43.00	42.16	41.21	
5	41.42	41.42	41.42	41.05	39.65	42.37	49.68	47.80	43.69	42.98	42.11	41.17	
6	41.42	41.42	41.42	40.95	39.00	42.71	49.24	47.49	43.68	42.96	42.09	41.13	
7	41.42	41.42	41.42	40.85	39.00	43.14	48.81	46.86	43.67	42.93	42.08	41.09	
8	41.42	41.42	41.42	40.75	39.00	43.37	48.42	46.05	43.66	42.91	42.05	41.10	
9	41.42	41.42	41.42	40.65	39.00	43.23	48.02	45.34	43.65	42.88	42.03	41.07	
10	41.42	41.42	41.42	40.55	39.00	42.93	47.67	44.77	43.64	42.85	42.00	41.05	
11	41.42	41.42	41.42	40.47	39.00	42.99	47.37	44.36	43.62	42.82	41.96	41.02	
12	41.42	41.42	41.42	40.43	39.00	43.16	47.11	44.13	43.61	42.78	41.92	41.00	
13	41.42	41.42	41.42	40.38	39.00	43.73	46.95	43.96	43.59	42.75	41.89	40.97	
14	41.42	41.42	41.42	40.33	39.00	44.40	46.68	43.95	43.57	42.72	41.84	40.94	
15	41.42	41.42	41.42	40.31	39.00	44.95	46.46	43.93	43.55	42.70	41.81	40.90	
16	41.42	41.42	41.42	40.30	39.00	45.22	46.60	43.92	43.53	42.68	41.77	40.87	
17	41.42	41.42	41.42	40.29	39.00	45.36	47.86	43.90	43.51	42.65	41.74	40.84	
18	41.42	41.42	41.42	40.28	39.00	45.36	48.85	43.88	43.48	42.61	41.70	40.85	
19	41.42	41.42	41.42	40.27	39.00	45.25	49.09	43.87	43.46	42.57	41.68	40.88	
20	41.42	41.42	41.42	40.26	39.00	45.15	48.97	43.87	43.44	42.55	41.65	40.81	
21	41.42	41.42	41.42	40.25	39.00	45.01	48.84	43.86	43.41	42.56	41.58	40.77	
22	41.42	41.42	41.42	40.24	39.00	45.23	48.66	43.85	43.38	42.56	41.55	40.71	
23	41.42	41.42	41.42	40.23	39.00	46.14	48.52	43.84	43.35	42.55	41.52	40.67	
24	41.42	41.42	41.42	40.22	39.00	46.77	48.22	43.83	43.32	42.53	41.49	40.64	
25	41.42	41.42	41.42	40.21	39.00	47.94	47.71	43.82	43.30	42.50	41.46	40.62	
26	41.42	41.42	41.42	40.20	39.00	50.22	47.27	43.80	43.28	42.48	41.42	40.57	
27	41.42	41.42	41.42	40.19	39.00	53.09	47.03	43.79	43.25	42.46	41.37	40.52	
28	41.42	41.42	41.42	40.19	39.00	52.91	46.90	43.78	43.22	42.43	41.35	40.47	
29	41.42	41.42	41.42	40.19	39.00	52.19	46.89	43.77	43.20	42.40		40.44	
30	41.42	41.42	41.42	40.18	39.12	51.60	47.47	43.76	43.17	42.36		41.57	
31		41.42		40.18	39.75		47.68		43.13	42.33		40.94	
Mean	41.42	41.42	41.42	40.50	39.20	45.34	48.24	44.94	43.49	42.70	41.82	40.93	
Max	41.42	41.42	41.42	41.39	40.35	53.09	51.13	48.10	43.74	43.09	42.28	41.57	53.09
Min	41.42	41.42	41.42	40.18	39.00	40.50	46.46	43.76	43.13	42.33	41.35	40.44	39.00
Annual Max Momentary Gage Height	53.38		m. (MSL.) ,			at 17.00 Hours , on Sep 27, 2021							
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	64.60	64.60	64.60	63.70	33.52	40.00	782.00	400.80	150.56	122.78	92.52	61.60		
2	64.60	64.60	64.60	61.90	36.40	55.00	714.00	417.20	150.12	121.52	91.16	60.70		
3	64.60	64.60	64.60	59.50	32.56	82.04	661.12	417.20	149.68	119.84	89.80	59.50		
4	64.60	64.60	64.60	56.50	26.56	92.18	614.88	406.54	148.80	119.00	88.44	58.30		
5	64.60	64.60	64.60	53.50	21.70	95.58	568.16	392.60	148.36	118.24	86.74	57.10		
6	64.60	64.60	64.60	50.80	11.00	107.98	520.96	367.28	147.92	117.48	86.06	55.90		
7	64.60	64.60	64.60	48.40	11.00	124.88	478.52	322.76	147.48	116.34	85.72	54.70		
8	64.60	64.60	64.60	46.00	11.00	134.54	443.44	271.10	147.04	115.58	84.70	55.00		
9	64.60	64.60	64.60	43.60	11.00	128.66	410.64	228.36	146.60	114.44	84.02	54.10		
10	64.60	64.60	64.60	41.20	11.00	116.34	381.94	198.50	146.16	113.30	83.00	53.50		
11	64.60	64.60	64.60	39.28	11.00	118.62	358.64	178.56	145.28	112.16	81.72	52.60		
12	64.60	64.60	64.60	38.32	11.00	125.72	339.92	167.98	144.84	110.64	80.44	52.00		
13	64.60	64.60	64.60	37.12	11.00	150.12	328.70	160.24	143.96	109.50	79.48	51.28		
14	64.60	64.60	64.60	35.92	11.00	180.40	310.88	159.80	143.08	108.36	77.88	50.56		
15	64.60	64.60	64.60	35.44	11.00	207.50	296.52	158.92	142.20	107.60	76.92	49.60		
16	64.60	64.60	64.60	35.20	11.00	221.88	305.60	158.48	141.32	106.84	75.64	48.88		
17	64.60	64.60	64.60	34.96	11.00	229.44	397.52	157.60	140.44	105.70	74.68	48.16		
18	64.60	64.60	64.60	34.72	11.00	229.44	482.20	156.72	139.16	104.18	73.40	48.40		
19	64.60	64.60	64.60	34.48	11.00	223.50	505.36	156.28	138.32	102.66	72.76	49.12		
20	64.60	64.60	64.60	34.24	11.00	218.10	493.24	156.28	137.48	101.90	71.80	47.44		
21	64.60	64.60	64.60	34.00	11.00	210.54	481.28	155.84	136.22	102.28	69.56	46.48		
22	64.60	64.60	64.60	33.76	11.00	222.42	464.72	155.40	134.96	102.28	68.60	45.04		
23	64.60	64.60	64.60	33.52	11.00	276.68	451.84	154.96	133.70	101.90	67.64	44.08		
24	64.60	64.60	64.60	33.28	11.00	316.82	427.04	154.52	132.44	101.14	66.70	43.36		
25	64.60	64.60	64.60	33.04	11.00	404.08	385.22	154.08	131.60	100.00	65.80	42.88		
26	64.60	64.60	64.60	32.80	11.00	633.92	351.44	153.20	130.76	99.32	64.60	41.68		
27	64.60	64.60	64.60	32.56	11.00	1266.56	334.16	152.76	129.50	98.64	63.10	40.48		
28	64.60	64.60	64.60	32.56	11.00	1206.08	325.40	152.32	128.24	97.62	62.50	39.28		
29	64.60	64.60	64.60	32.56	11.00	1013.60	324.74	151.88	127.40	96.60		38.56		
30	64.60	64.60	64.60	32.32	12.92	878.40	365.84	151.44	126.14	95.24		69.24		
31		64.60		32.32	23.50		382.76		124.46	94.22		50.56		
Total	1938.00	2002.60	1938.00	1247.50	451.16	9311.02	13688.68	6569.60	4334.22	3337.30	2165.38	1570.08	48553.54	CMSDAY
Mean	64.60	64.60	64.60	40.24	14.55	310.37	441.57	218.99	139.81	107.65	77.34	50.65	133.02	CMS
Max	64.60	64.60	64.60	63.70	36.40	1266.56	782.00	417.20	150.56	122.78	92.52	69.24	1266.56	CMS
Min	64.60	64.60	64.60	32.32	11.00	40.00	296.52	151.44	124.46	94.22	62.50	38.56	11.00	CMS
Runoff	167.44	173.02	167.44	107.78	38.98	804.47	1182.70	567.61	374.48	288.34	187.09	135.65	4195.03	MCM
Momentary Peak	1377.92 CMS. at 53.38 m. (MSL.) at 17:00 Hours , on Sep 27, 2021													
Runoff Yield	14.21					Momentary Peak Yield		147.23	Liters/Second/Square KM.					

WATER YEAR : 2021

PASAK RIVER BASIN

Pasak River at Ban Sao Hai , Saraburi (S.44)

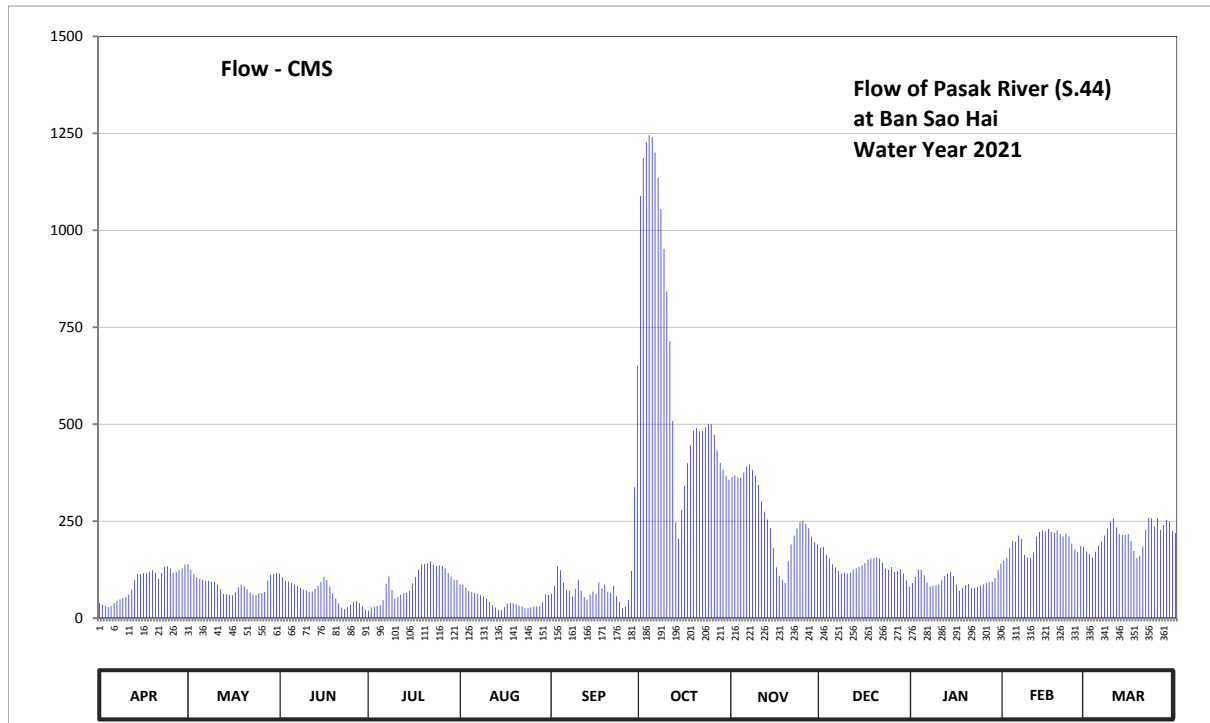
Lat 14 - 32 - 49 N Long 100 - 53 - 23 E

Location : on right bank at Ban Sao Hai.

	Ban Sao Hai	Amphoe Sao Hai	Changwat Saraburi
Drainage 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 6 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.07	6.68	6.37	4.67	5.97	5.55	13.50	9.65	7.17	6.02	6.79	7.06	
2	5.01	6.50	6.23	4.83	5.96	5.90	14.04	9.70	7.19	6.25	6.87	6.99	
3	4.94	6.35	6.11	4.87	5.82	6.61	14.27	9.64	6.97	6.51	7.17	6.89	
4	4.87	6.23	6.08	4.93	5.69	6.48	14.37	9.63	6.86	6.50	7.36	7.06	
5	4.93	6.17	6.03	4.97	5.63	6.03	14.34	9.79	6.67	6.30	7.34	7.22	
6	5.07	6.13	5.95	5.22	5.59	5.74	14.12	9.99	6.57	6.04	7.51	7.35	
7	5.19	6.10	5.89	5.99	5.54	5.70	13.76	10.05	6.46	5.87	7.42	7.51	
8	5.27	6.10	5.81	6.26	5.48	5.41	13.31	9.88	6.37	5.91	6.97	7.69	
9	5.32	6.07	5.75	5.72	5.41	5.79	12.72	9.69	6.39	5.92	6.88	7.87	
10	5.39	6.06	5.70	5.30	5.30	6.14	12.07	9.36	6.37	5.95	6.88	7.95	
11	5.51	5.97	5.65	5.37	5.13	5.70	11.28	8.75	6.40	6.12	7.04	7.72	
12	5.74	5.76	5.66	5.51	4.97	5.38	9.93	8.27	6.50	6.28	7.48	7.55	
13	6.13	5.56	5.77	5.59	4.85	5.26	7.85	7.92	6.54	6.38	7.60	7.52	
14	6.36	5.52	5.90	5.60	4.73	5.51	7.43	7.70	6.59	6.42	7.64	7.52	
15	6.35	5.50	6.06	5.69	4.71	5.66	8.37	7.16	6.64	6.27	7.61	7.55	
16	6.38	5.47	6.25	6.00	4.86	5.53	9.33	6.57	6.71	5.96	7.68	7.36	
17	6.38	5.62	6.13	6.25	5.04	6.04	10.08	6.29	6.82	5.69	7.60	7.08	
18	6.43	5.84	5.88	6.50	5.08	5.79	10.60	6.14	6.86	5.81	7.58	6.88	
19	6.48	5.95	5.58	6.67	5.07	5.95	10.98	6.02	6.87	5.94	7.64	6.94	
20	6.40	5.87	5.31	6.68	5.02	5.65	11.05	6.77	6.89	5.98	7.55	7.21	
21	6.17	5.76	5.06	6.70	4.94	5.61	10.97	7.27	6.86	5.80	7.49	7.65	
22	6.39	5.62	4.84	6.77	4.89	5.91	10.98	7.51	6.72	5.82	7.56	7.96	
23	6.60	5.51	4.76	6.66	4.81	5.42	11.07	7.69	6.53	5.86	7.49	7.95	
24	6.61	5.50	4.86	6.62	4.81	5.14	11.15	7.86	6.49	5.91	7.29	7.74	
25	6.54	5.59	4.99	6.64	4.85	4.81	11.15	7.89	6.58	5.97	7.12	7.95	
26	6.40	5.58	5.13	6.62	4.89	4.89	10.88	7.81	6.43	6.02	7.05	7.65	
27	6.42	5.64	5.17	6.54	4.90	5.24	10.45	7.70	6.45	6.04	7.22	7.78	
28	6.49	6.12	5.07	6.39	4.91	6.46	10.09	7.48	6.52	6.07	7.19	7.91	
29	6.54	6.33	4.90	6.26	5.12	8.65	9.88	7.33	6.37	6.20		7.87	
30	6.67	6.36	4.71	6.14	5.53	10.89	9.69	7.27	6.12	6.48		7.63	
31		6.39		6.13	5.50		9.56		5.86	6.69		7.58	
Mean	5.93	5.93	5.59	5.94	5.19	5.96	11.27	8.16	6.61	6.10	7.32	7.50	
Max	6.67	6.68	6.37	6.77	5.97	10.89	14.37	10.05	7.19	6.69	7.68	7.96	14.37
Min	4.87	5.47	4.71	4.67	4.71	4.81	7.43	6.02	5.86	5.69	6.79	6.88	4.67
Annual Max Momentary Gage Height	14.42		m. (MSL.) ,				at 21.00 Hours , on Oct 4, 2021						
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	38.50	139.40	114.90	19.14	87.20	62.50	1089.00	364.00	181.30	90.40	148.20	171.40		
2	35.50	125.00	105.10	26.50	86.60	83.00	1186.20	368.00	183.10	106.50	154.60	165.10		
3	32.00	113.50	96.70	28.50	78.20	133.80	1227.60	363.20	163.30	125.80	181.30	156.20		
4	28.50	105.10	94.60	31.50	70.40	123.40	1245.60	362.40	153.80	125.00	198.40	171.40		
5	31.50	100.90	91.10	33.50	66.80	91.10	1240.20	375.20	138.60	110.00	196.60	185.80		
6	38.50	98.10	86.00	46.00	64.50	73.40	1200.60	391.20	130.60	91.80	213.00	197.50		
7	44.50	96.00	82.40	88.40	62.00	71.00	1135.80	396.50	121.80	81.20	204.00	213.00		
8	48.50	96.00	77.60	107.20	59.00	55.50	1054.80	382.40	114.90	83.60	163.30	231.00		
9	51.00	93.90	74.00	72.20	55.50	76.40	952.40	367.20	116.30	84.20	155.40	249.00		
10	54.50	93.20	71.00	50.00	50.00	98.80	841.90	343.20	114.90	86.00	155.40	257.50		
11	60.50	87.20	68.00	53.50	41.50	71.00	713.80	301.00	117.00	97.40	169.60	234.00		
12	73.40	74.60	68.60	60.50	33.50	54.00	508.20	274.50	125.00	108.60	210.00	217.00		
13	98.10	63.00	75.20	64.50	27.50	48.00	247.00	254.20	128.20	115.60	222.00	214.00		
14	114.20	61.00	83.00	65.00	21.50	60.50	205.00	232.00	132.20	118.60	226.00	214.00		
15	113.50	60.00	93.20	70.40	20.50	68.60	279.50	180.40	136.20	107.90	223.00	217.00		
16	115.60	58.50	106.50	89.00	28.00	61.50	341.10	130.60	141.80	86.60	230.00	198.40		
17	115.60	66.20	98.10	106.50	37.00	91.80	399.20	109.30	150.60	70.40	222.00	173.20		
18	119.40	79.40	81.80	125.00	39.00	76.40	446.00	98.80	153.80	77.60	220.00	155.40		
19	123.40	86.00	64.00	138.60	38.50	86.00	483.00	90.40	154.60	85.40	226.00	160.60		
20	117.00	81.20	50.50	139.40	36.00	68.00	490.00	146.60	156.20	87.80	217.00	184.90		
21	100.90	74.60	38.00	141.00	32.00	65.60	482.00	190.30	153.80	77.00	211.00	227.00		
22	116.30	66.20	27.00	146.60	29.50	83.60	483.00	213.00	142.60	78.20	218.00	258.60		
23	133.00	60.50	23.00	137.80	25.50	56.00	492.00	231.00	127.40	80.60	211.00	257.50		
24	133.80	60.00	28.00	134.60	25.50	42.00	500.00	248.00	124.20	83.60	192.10	236.00		
25	128.20	64.50	34.50	136.20	27.50	25.50	500.00	251.00	131.40	87.20	176.80	257.50		
26	117.00	64.00	41.50	134.60	29.50	29.50	473.00	243.00	119.40	90.40	170.50	227.00		
27	118.60	67.40	43.50	128.20	30.00	47.00	432.50	232.00	121.00	91.80	185.80	240.00		
28	124.20	97.40	38.50	116.30	30.50	121.80	400.10	210.00	126.60	93.90	183.10	253.10		
29	128.20	112.10	30.00	107.20	41.00	337.00	382.40	195.70	114.90	103.00		249.00		
30	138.60	114.20	20.50	98.80	61.50	651.40	367.20	190.30	97.40	123.40		225.00		
31		116.30		98.10	60.00		357.20		80.60	140.20		220.00		
Total	2692.50	2675.40	2006.80	2794.74	1395.70	3014.10	20156.30	7735.40	4153.50	2989.70	5484.10	6617.10	61715.34	CMSDAY
Mean	89.75	86.30	66.89	90.15	45.02	100.47	650.20	257.85	133.98	96.44	195.86	213.45	169.08	CMS
Max	138.60	139.40	114.90	146.60	87.20	651.40	1245.60	396.50	183.10	140.20	230.00	258.60	1245.60	CMS
Min	28.50	58.50	20.50	19.14	20.50	25.50	205.00	90.40	80.60	70.40	148.20	155.40	19.14	CMS
Runoff	232.63	231.15	173.39	241.47	120.59	260.42	1741.50	668.34	358.86	258.31	473.83	571.72	5332.21	MCM
Momentary Peak	1254.60 CMS. at 14.42 m. (MSL.) at 21:00 Hours , on Oct 4, 2021													
Runoff Yield	11.33	Liters/Second/Square KM.				Momentary Peak Yield 84.05				Liters/Second/Square KM.				

WATER YEAR : 2021**THA CHIN BASIN****Lower Huai Kra Sieo at Ban Thap Man, Suphan Buri (T.12A)**

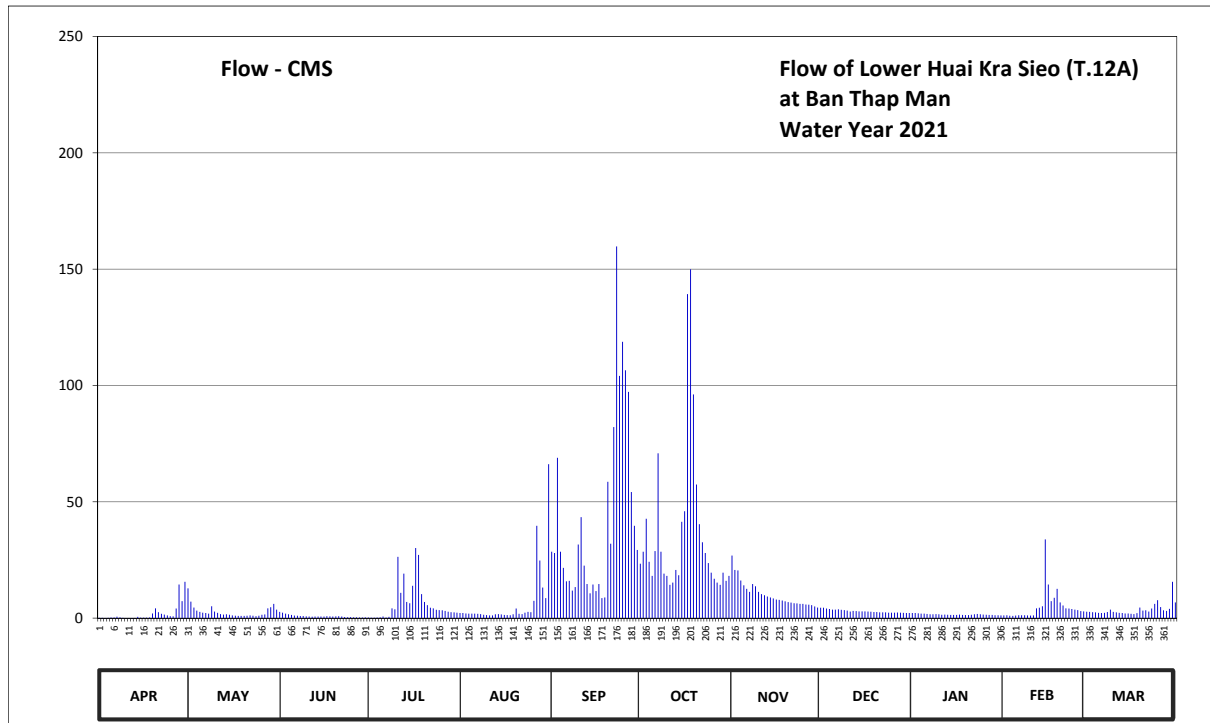
Lat 15 - 00 - 52 N Long 99 - 36 - 59 E

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 15 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	97.44	98.64	97.87	97.49	97.80	99.33	99.14	99.27	98.04	97.80	97.65	97.88	
2	97.44	98.28	97.82	97.47	97.80	99.31	99.33	99.03	98.04	97.80	97.66	97.87	
3	97.42	98.05	97.76	97.46	97.77	100.43	99.78	99.02	98.01	97.78	97.63	97.85	
4	97.44	97.93	97.72	97.48	97.76	99.33	99.17	98.82	97.99	97.76	97.62	97.84	
5	97.50	97.87	97.68	97.51	97.76	99.07	98.92	98.71	97.97	97.76	97.64	97.81	
6	97.50	97.82	97.64	97.57	97.76	98.80	99.34	98.63	97.97	97.74	97.66	97.80	
7	97.56	97.80	97.63	97.49	97.75	98.81	100.47	98.56	97.98	97.72	97.66	97.81	
8	97.51	97.76	97.61	97.55	97.73	98.59	99.33	98.74	97.96	97.72	97.66	97.86	
9	97.45	98.10	97.61	98.02	97.69	98.67	98.96	98.69	97.95	97.73	97.65	97.97	
10	97.43	97.89	97.59	97.98	97.67	99.44	98.92	98.56	97.93	97.72	97.64	97.87	
11	97.42	97.81	97.57	99.25	97.65	99.80	98.72	98.51	97.89	97.69	97.65	97.84	
12	97.43	97.73	97.56	98.54	97.65	99.11	98.77	98.48	97.92	97.70	98.02	97.81	
13	97.43	97.70	97.57	98.96	97.72	98.74	99.03	98.44	97.91	97.69	98.04	97.80	
14	97.55	97.72	97.57	98.27	97.73	98.53	98.93	98.41	97.90	97.68	98.10	97.77	
15	97.47	97.69	97.57	98.22	97.71	98.73	99.74	98.38	97.90	97.68	99.51	97.77	
16	97.47	97.65	97.58	98.70	97.68	98.58	99.87	98.35	97.90	97.68	98.73	97.75	
17	97.47	97.63	97.60	99.39	97.67	98.74	101.62	98.34	97.89	97.70	98.30	97.73	
18	97.48	97.62	97.59	99.28	97.66	98.39	101.75	98.32	97.88	97.68	98.40	97.79	
19	97.77	97.62	97.58	98.51	97.72	98.41	100.96	98.29	97.86	97.67	98.63	98.05	
20	98.02	97.62	97.59	98.27	98.01	100.19	100.16	98.26	97.86	97.67	98.25	97.93	
21	97.85	97.63	97.60	98.14	97.75	99.45	99.71	98.24	97.84	97.69	98.13	97.94	
22	97.75	97.65	97.57	98.04	97.73	100.70	99.47	98.22	97.84	97.72	98.02	97.89	
23	97.70	97.63	97.54	98.02	97.82	101.87	99.31	98.21	97.84	97.74	98.01	98.01	
24	97.65	97.60	97.52	97.96	97.87	101.10	99.15	98.19	97.82	97.72	97.99	98.19	
25	97.60	97.63	97.52	97.95	97.85	101.33	98.98	98.19	97.82	97.70	97.97	98.33	
26	97.59	97.69	97.51	97.94	98.31	101.14	98.86	98.17	97.82	97.69	97.95	98.07	
27	98.01	97.71	97.51	97.92	99.69	100.98	98.77	98.16	97.83	97.68	97.91	97.94	
28	98.73	98.02	97.50	97.88	99.19	100.08	98.72	98.14	97.82	97.68	97.90	97.92	
29	98.30	98.06	97.50	97.85	98.66	99.69	98.98	98.09	97.81	97.66		98.00	
30	98.79	98.19	97.51	97.84	98.39	99.36	98.81	98.05	97.80	97.66		98.79	
31		97.97		97.82	100.37		98.92		97.80	97.65		98.25	
Mean	97.67	97.83	97.60	98.09	98.01	99.56	99.44	98.45	97.90	97.71	98.00	97.94	
Max	98.79	98.64	97.87	99.39	100.37	101.87	101.75	99.27	98.04	97.80	99.51	98.79	101.87
Min	97.42	97.60	97.50	97.46	97.65	98.39	98.72	98.05	97.80	97.65	97.62	97.73	97.42
Annual Max Momentary Gage Height	102.47		m. (MSL.) ,			at 06.00 Hours ,	on Oct 18, 2021						
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, 2021 to March 31, 2022

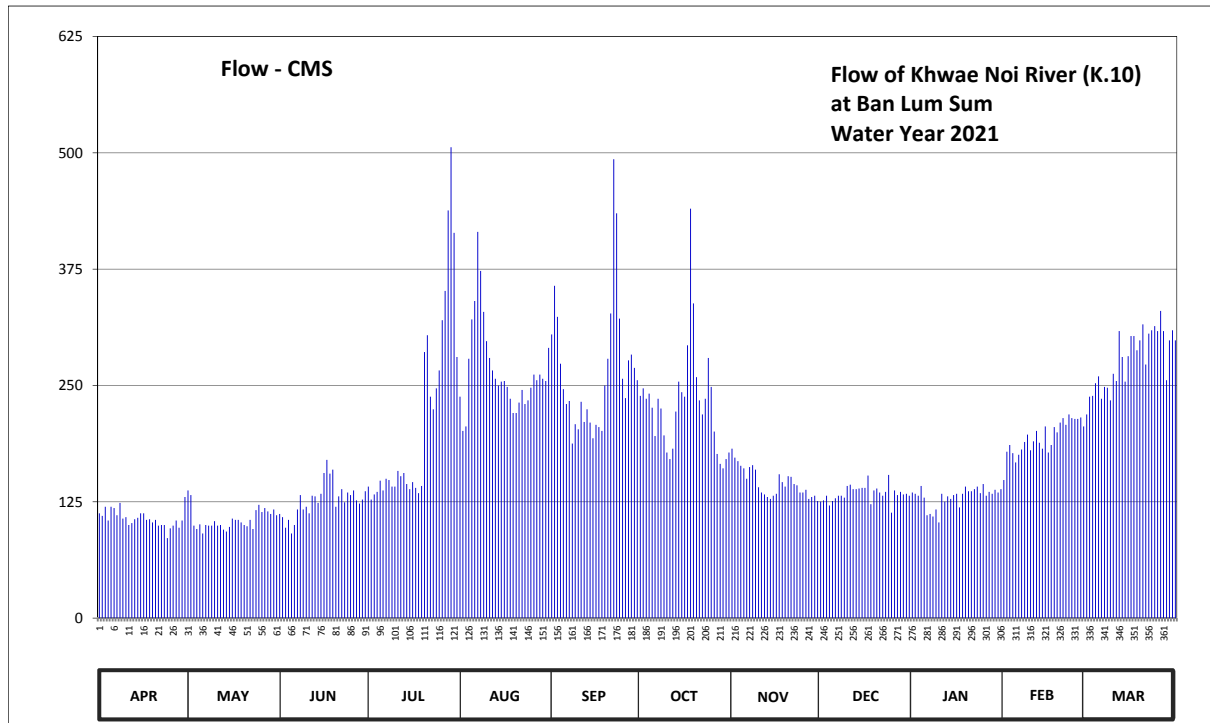
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.12	12.76	2.69	0.27	2.20	28.51	23.38	26.89	4.44	2.20	1.15	2.76	
2	0.12	7.08	2.34	0.21	2.20	27.97	28.51	20.69	4.44	2.20	1.22	2.69	
3	0.06	4.55	1.92	0.18	1.99	68.87	42.72	20.46	4.11	2.06	1.01	2.55	
4	0.12	3.23	1.64	0.24	1.92	28.51	24.19	16.18	3.89	1.92	0.94	2.48	
5	0.30	2.69	1.36	0.35	1.92	21.61	18.16	14.09	3.67	1.92	1.08	2.27	
6	0.30	2.34	1.08	0.65	1.92	15.80	28.78	12.57	3.67	1.78	1.22	2.20	
7	0.60	2.20	1.01	0.27	1.85	15.99	70.83	11.24	3.78	1.64	1.22	2.27	
8	0.35	1.92	0.87	0.55	1.71	11.81	28.51	14.66	3.56	1.64	1.22	2.62	
9	0.15	5.10	0.87	4.22	1.43	13.33	19.08	13.71	3.45	1.71	1.15	3.67	
10	0.09	2.83	0.75	3.78	1.29	31.64	18.16	11.24	3.23	1.64	1.08	2.69	
11	0.06	2.27	0.65	26.35	1.15	43.40	14.28	10.29	2.83	1.43	1.15	2.48	
12	0.09	1.71	0.60	10.86	1.15	22.57	15.23	9.82	3.12	1.50	4.22	2.27	
13	0.09	1.50	0.65	19.08	1.64	14.66	20.69	9.26	3.01	1.43	4.44	2.20	
14	0.55	1.64	0.65	6.97	1.71	10.67	18.39	8.84	2.90	1.36	5.10	1.99	
15	0.21	1.43	0.65	6.42	1.57	14.47	41.36	8.42	2.90	1.36	33.81	1.99	
16	0.21	1.15	0.70	13.90	1.36	11.62	45.92	8.00	2.90	1.36	14.47	1.85	
17	0.21	1.01	0.80	30.13	1.29	14.66	139.24	7.86	2.83	1.50	7.30	1.71	
18	0.24	0.94	0.75	27.16	1.22	8.56	149.90	7.58	2.76	1.36	8.70	2.13	
19	1.99	0.94	0.70	10.29	1.64	8.84	96.12	7.19	2.62	1.29	12.57	4.55	
20	4.22	0.94	0.75	6.97	4.11	58.60	57.40	6.86	2.62	1.29	6.75	3.23	
21	2.55	1.01	0.80	5.54	1.85	31.95	40.34	6.64	2.48	1.43	5.43	3.34	
22	1.85	1.15	0.65	4.44	1.71	82.10	32.57	6.42	2.48	1.64	4.22	2.83	
23	1.50	1.01	0.50	4.22	2.34	159.74	27.97	6.31	2.48	1.78	4.11	4.11	
24	1.15	0.80	0.40	3.56	2.69	104.10	23.65	6.09	2.34	1.64	3.89	6.09	
25	0.80	1.01	0.40	3.45	2.55	118.78	19.54	6.09	2.34	1.50	3.67	7.72	
26	0.75	1.43	0.35	3.34	7.44	106.54	16.94	5.87	2.34	1.43	3.45	4.77	
27	4.11	1.57	0.35	3.12	39.66	97.26	15.23	5.76	2.41	1.36	3.01	3.34	
28	14.47	4.22	0.30	2.76	24.73	54.20	14.28	5.54	2.34	1.36	2.90	3.12	
29	7.30	4.66	0.30	2.55	13.14	39.66	19.54	4.99	2.27	1.22		4.00	
30	15.61	6.09	0.35	2.48	8.56	29.32	15.99	4.55	2.20	1.22		15.61	
31		3.67		2.34	66.14		18.16		2.20	1.15		6.75	
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Total	60.17	84.85	25.83	206.65	206.08	1295.74	1145.06	304.11	92.61	48.32	140.48	112.28	3722.18 CMSDAY
Mean	2.01	2.74	0.86	6.67	6.65	43.19	36.94	10.14	2.99	1.56	5.02	3.62	10.20 CMS
Max	15.61	12.76	2.69	30.13	66.14	159.74	149.90	26.89	4.44	2.20	33.81	15.61	159.74 CMS
Min	0.06	0.80	0.30	0.18	1.15	8.56	14.28	4.55	2.20	1.15	0.94	1.71	0.06 CMS
Runoff	5.20	7.33	2.23	17.85	17.81	111.95	98.93	26.28	8.00	4.17	12.14	9.70	321.60 MCM
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Momentary Peak	211.15 CMS. at 102.47 m. (MSL.) at 06.00 Hours , on Oct 18, 2021												
Runoff Yield	15.93	Liters/Second/Square KM.			Momentary Peak Yield			329.92	Liters/Second/Square KM.				

Lat 14 - 05 - 31 N Long 99 - 10 - 43 E

Location : on left bank about 100 meters upstream from Ban Lum Sum railway station

	Ban	Lum Sum	Amphoe	Sai Yok	Changwat	Kanchanaburi
Drainage Area	7,010	sq.km.				
Type of Gage	Water	- stage recorder				
Zero Gage at Bottom	+30.400	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the gage site.				Elevation	+52.089 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 to date					
Rated by Float	-					
Rated by Current Meter	1965 to date					
Stability of Channel Regimes	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Flow regulated by Khao Laem Dam.					
	Stage-discharge relation defined by 29 discharge measurements made in 2021.					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	32.28	32.63	32.27	32.69	33.95	34.72	33.96	33.25	32.46	32.60	32.79	33.71	
2	32.24	32.56	32.22	32.49	33.49	35.30	34.06	33.13	32.48	32.58	33.21	33.95	
3	32.38	32.09	32.06	32.57	33.55	34.93	33.92	33.08	32.55	32.55	33.30	33.96	
4	32.17	32.04	32.18	32.61	34.43	34.37	33.99	33.01	32.40	32.70	33.19	34.13	
5	32.38	32.11	31.97	32.78	34.90	34.05	33.80	32.97	32.47	32.52	33.06	34.22	
6	32.36	31.97	32.10	32.63	35.12	33.85	33.42	32.81	32.51	32.25	33.17	33.92	
7	32.25	32.10	32.34	32.81	35.89	33.89	33.92	32.99	32.55	32.27	33.24	34.08	
8	32.44	32.09	32.56	32.79	35.47	33.32	33.79	33.02	32.55	32.23	33.34	34.07	
9	32.20	32.09	32.34	32.69	34.99	33.58	33.43	32.95	32.52	32.34	33.44	33.90	
10	32.22	32.16	32.38	32.69	34.64	33.51	33.20	32.68	32.70	32.14	33.23	34.25	
11	32.10	32.09	32.28	32.93	34.44	33.88	33.11	32.60	32.72	32.58	33.35	34.16	
12	32.13	32.10	32.55	32.85	34.29	33.61	33.25	32.57	32.65	32.46	33.49	34.76	
13	32.19	32.03	32.54	32.90	34.19	33.78	33.75	32.53	32.65	32.54	33.33	34.45	
14	32.21	32.00	32.44	32.73	34.10	33.60	34.15	32.50	32.66	32.50	33.25	34.15	
15	32.28	32.07	32.58	32.65	34.15	33.39	34.01	32.55	32.67	32.56	33.55	34.46	
16	32.28	32.20	32.90	32.76	34.16	33.57	33.95	32.58	32.67	32.58	33.20	34.70	
17	32.18	32.18	33.10	32.67	34.08	33.54	34.59	32.88	32.86	32.37	33.30	34.70	
18	32.19	32.18	32.89	32.59	33.92	33.49	36.14	32.76	32.42	32.58	33.54	34.53	
19	32.14	32.14	32.95	32.70	33.73	34.10	35.09	32.69	32.63	32.69	33.47	34.65	
20	32.18	32.10	32.38	34.51	33.73	34.43	34.21	32.85	32.66	32.62	33.60	34.84	
21	32.09	32.08	32.54	34.71	33.87	34.97	33.90	32.84	32.60	32.62	33.66	34.36	
22	32.10	32.18	32.65	33.95	34.04	36.67	33.71	32.73	32.55	32.65	33.57	34.73	
23	32.10	32.04	32.45	33.78	33.85	36.09	33.92	32.71	32.61	32.69	33.71	34.77	
24	31.90	32.33	32.60	34.06	33.90	34.91	34.44	32.60	32.87	32.59	33.66	34.82	
25	32.05	32.41	32.56	34.29	34.07	34.19	34.08	32.60	32.29	32.73	33.65	34.76	
26	32.09	32.30	32.63	34.89	34.24	33.93	33.48	32.64	32.63	32.55	33.65	35.00	
27	32.17	32.36	32.48	35.24	34.17	34.41	33.18	32.50	32.56	32.61	33.67	34.76	
28	32.06	32.31	32.43	36.12	34.24	34.48	33.04	32.53	32.61	32.58	33.55	34.17	
29	32.17	32.27	32.49	36.80	34.19	34.32	32.97	32.55	32.57	32.64		34.65	
30	32.53	32.34	32.62	35.88	34.16	34.17	33.11	32.47	32.58	32.60</			



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	112.60	137.10	111.90	141.30	238.00	304.80	238.80	182.00	125.20	135.00	148.30	218.80		
2	109.80	132.20	108.40	127.30	201.20	357.00	246.80	172.40	126.60	133.60	178.80	238.00		
3	119.60	99.30	97.20	132.90	206.00	323.70	235.60	168.60	131.50	131.50	186.00	238.80		
4	104.90	95.80	105.60	135.70	278.70	273.30	241.20	163.70	121.00	142.00	177.20	252.40		
5	119.60	100.70	90.90	147.60	321.00	246.00	226.00	160.90	125.90	129.40	167.20	259.80		
6	118.20	90.90	100.00	137.10	340.80	230.00	195.60	149.70	128.70	110.50	175.60	235.60		
7	110.50	100.00	116.80	149.70	415.00	233.20	235.60	162.30	131.50	111.90	181.20	248.40		
8	123.80	99.30	132.20	148.30	373.00	187.60	225.20	164.40	131.50	109.10	189.20	247.60		
9	107.00	99.30	116.80	141.30	329.10	208.40	196.40	159.50	129.40	116.80	197.20	234.00		
10	108.40	104.20	119.60	141.30	297.60	202.80	178.00	140.60	142.00	102.80	180.40	262.50		
11	100.00	99.30	112.60	158.10	279.60	232.40	170.80	135.00	143.40	133.60	190.00	254.80		
12	102.10	100.00	131.50	152.50	266.10	210.80	182.00	132.90	138.50	125.20	201.20	308.40		
13	106.30	95.10	130.80	156.00	257.20	224.40	222.00	130.10	138.50	130.80	188.40	280.50		
14	107.70	93.00	123.80	144.10	250.00	210.00	254.00	128.00	139.20	128.00	182.00	254.00		
15	112.60	97.90	133.60	138.50	254.00	193.20	242.80	131.50	139.90	132.20	206.00	281.40		
16	112.60	107.00	156.00	146.20	254.80	207.60	238.00	133.60	139.90	133.60	178.00	303.00		
17	105.60	105.60	170.00	139.90	248.40	205.20	293.10	154.60	153.20	118.90	186.00	303.00		
18	106.30	105.60	155.30	134.30	235.60	201.20	440.00	146.20	122.40	133.60	205.20	287.70		
19	102.80	102.80	159.50	142.00	220.40	250.00	338.10	141.30	137.10	141.30	199.60	298.50		
20	105.60	100.00	119.60	285.90	220.40	278.70	258.90	152.50	139.20	136.40	210.00	315.60		
21	99.30	98.60	130.80	303.90	231.60	327.30	234.00	151.80	135.00	136.40	214.80	272.40		
22	100.00	105.60	138.50	238.00	245.20	493.00	218.80	144.10	131.50	138.50	207.60	305.70		
23	100.00	95.80	124.50	224.40	230.00	435.00	235.60	142.70	135.70	141.30	218.80	309.30		
24	86.00	116.10	135.00	246.80	234.00	321.90	279.60	135.00	153.90	134.30	214.80	313.80		
25	96.50	121.70	132.20	266.10	247.60	257.20	248.40	135.00	113.30	144.10	214.00	308.40		
26	99.30	114.00	137.10	320.10	261.60	236.40	200.40	137.80	137.10	131.50	214.00	330.00		
27	104.90	118.20	126.60	351.60	255.60	276.90	176.40	128.00	132.20	135.70	215.60	308.40		
28	97.20	114.70	123.10	438.00	261.60	283.20	165.80	130.10	135.70	133.60	206.00	255.60		
29	104.90	111.90	127.30	506.00	257.20	268.80	160.90	131.50	132.90	137.80		298.50		
30	130.10	116.80	136.40	414.00	254.80	255.60	170.80	125.90	133.60	135.00		309.30		
31		110.50		280.50	290.40		178.00		131.50	138.50		298.50		
Total	3214.20	3289.00	3803.60	6589.40	8256.50	7935.60	7127.60	4371.70	4157.00	4042.90	5433.10	8632.70	66853.30	CMSDAY
Mean	107.14	106.10	126.79	212.56	266.34	264.52	229.92	145.72	134.10	130.42	194.04	278.47	183.16	CMS
Max	130.10	137.10	170.00	506.00	415.00	493.00	440.00	182.00	153.90	144.10	218.80	330.00	506.00	CMS
Min	86.00	90.90	90.90	127.30	201.20	187.60	160.90	125.90	113.30	102.80	148.30	218.80	86.00	CMS
Runoff	277.71	284.17	328.63	569.32	713.36	685.64	615.82	377.71	359.16	349.31	469.42	745.87	5776.13	MCM
Momentary Peak	527.00 CMS. at 37.01 m. (MSL.) at 03.00 Hours , on Jul 29, 2021													
Runoff Yield	26.13	Liters/Second/Square KM.			Momentary Peak Yield			75.18	Liters/Second/Square KM.					

WATER YEAR : 2021**MAE KLONG RIVER BASIN****Mae Klong River at Ban Wang Khanai , Kanchanaburi (K.11A)**

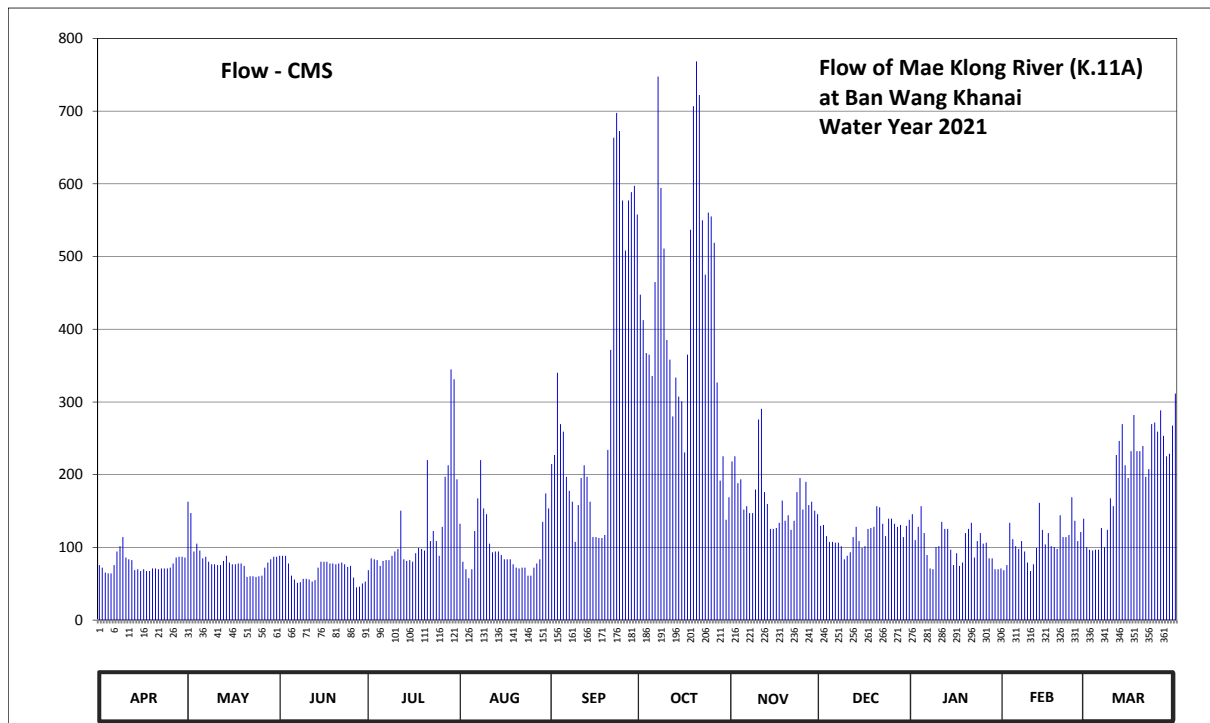
Lat 13 - 57 - 01 N Long 99 - 38 - 43 E

Location : on left bank at Ban Wang Khanai.

	Ban	Wang Khanai	Amphoe	Tha Muang	Changwat	Kanchanaburi
Drainage 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 30 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	11.01	11.66	11.12	10.95	11.46	11.96	13.05	11.98	11.44	11.55	10.95	11.22	
2	10.98	11.56	11.12	11.09	11.05	12.03	12.91	12.02	11.45	11.30	11.01	11.19	
3	10.92	11.17	11.12	11.08	10.96	12.59	12.71	11.81	11.34	11.43	11.47	11.18	
4	10.91	11.26	11.03	11.07	10.84	12.26	12.70	11.84	11.28	11.62	11.31	11.19	
5	10.91	11.18	10.88	11.00	10.96	12.21	12.57	11.59	11.28	11.37	11.23	11.19	
6	11.01	11.09	10.82	11.06	11.39	11.86	13.12	11.62	11.27	11.13	11.20	11.42	
7	11.17	11.11	10.77	11.07	11.69	11.75	14.11	11.56	11.27	10.97	11.29	11.22	
8	11.23	11.05	10.78	11.07	11.99	11.66	13.61	11.56	11.23	10.96	11.17	11.40	
9	11.33	11.02	10.83	11.12	11.60	11.28	13.30	11.76	11.08	11.22	11.04	11.69	
10	11.10	11.02	10.83	11.17	11.55	11.63	12.79	12.29	11.12	11.23	10.94	11.62	
11	11.08	11.01	10.82	11.20	11.26	11.85	12.67	12.36	11.16	11.48	11.02	12.03	
12	11.07	11.01	10.79	11.58	11.16	11.95	12.31	11.74	11.33	11.41	11.21	12.14	
13	10.95	11.06	10.81	11.08	11.17	11.86	12.56	11.64	11.43	11.41	11.65	12.26	
14	10.96	11.12	10.98	11.06	11.17	11.66	12.44	11.41	11.29	11.19	11.40	11.95	
15	10.94	11.04	11.05	11.07	11.13	11.33	12.41	11.41	11.21	11.01	11.25	11.85	
16	10.96	11.02	11.05	11.05	11.08	11.33	12.05	11.42	11.23	11.15	11.37	12.06	
17	10.94	11.02	11.05	11.15	11.08	11.32	12.70	11.47	11.41	11.00	11.23	12.32	
18	10.94	11.03	11.03	11.21	11.08	11.32	13.40	11.67	11.42	11.04	11.22	12.06	
19	10.97	11.03	11.03	11.20	11.02	11.35	13.98	11.49	11.43	11.37	11.20	12.06	
20	10.97	11.00	11.02	11.18	10.98	12.07	14.17	11.54	11.62	11.41	11.54	12.10	
21	10.96	10.86	11.03	11.99	10.97	12.73	14.03	11.40	11.61	11.47	11.33	11.86	
22	10.97	10.87	11.04	11.29	10.98	13.84	13.45	11.49	11.46	11.10	11.33	11.92	
23	10.97	10.87	11.02	11.39	10.98	13.95	13.16	11.74	11.34	11.29	11.35	12.26	
24	10.97	10.86	10.99	11.29	10.88	13.87	13.49	11.85	11.51	11.37	11.70	12.27	
25	10.98	10.87	11.00	11.12	10.88	13.55	13.47	11.59	11.51	11.26	11.49	12.21	
26	11.03	10.88	10.85	11.43	10.98	13.29	13.33	11.82	11.46	11.27	11.29	12.35	
27	11.10	10.98	10.70	11.86	11.03	13.55	12.53	11.63	11.43	11.09	11.38	12.18	
28	11.11	11.04	10.71	11.95	11.08	13.59	11.83	11.66	11.45	11.09	11.51	12.02	
29	11.11	11.08	10.76	12.61	11.48	13.62	12.02	11.58	11.33	10.96		12.04	
30	11.10	11.11	10.79	12.55	11.73	13.48	11.50	11.55	11.44	10.96		12.25	
31		11.11		11.84	11.60		11.70		11.50	10.97		12.46	
Mean	11.02	11.06	10.93	11.35	11.20	12.36	12.91	11.68	11.37	11.23	11.29	11.87	
Max	11.33	11.66	11.12	12.61	11.99	13.95	14.17	12.36	11.62	11.62	11.70	12.46	14.17
Min	10.91	10.86	10.70	10.95	10.84	11.28	11.50	11.40	11.08	10.96	10.94	11.18	10.70
Annual Max Momentary Gage Height	14.48		m. (MSL.) ,			at 10.00 Hours ,	on Oct 7, 2021						
Zero Gage at Bottom Elevation		9.70	m. (MSL.) ,			River Bed	8.33	m. (MSL.)					
Left Bank Elevation		22.63	m. (MSL.) ,										
Right Bank Elevation		21.69	m. (MSL.) ,			Drainage Are	25,744	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	75.65	162.80	88.40	68.75	132.40	214.76	447.50	218.28	129.60	145.75	68.75	100.40		
2	72.20	147.30	88.40	84.85	80.25	227.08	412.50	225.32	131.00	110.00	75.65	96.80		
3	65.30	94.40	88.40	83.70	69.90	340.25	367.25	188.36	115.60	128.20	133.80	95.60		
4	64.15	105.20	77.95	82.55	57.60	269.60	365.00	193.64	107.60	156.60	111.40	96.80		
5	64.15	95.60	61.20	74.50	69.90	259.10	335.75	151.95	107.60	119.80	101.60	96.80		
6	75.65	84.85	55.80	81.40	122.60	197.16	465.00	156.60	106.40	89.60	98.00	126.80		
7	94.40	87.20	51.30	82.55	167.45	177.80	747.50	147.30	106.40	71.05	108.80	100.40		
8	101.60	80.25	52.20	82.55	220.04	162.80	594.35	147.30	101.60	69.90	94.40	124.00		
9	114.20	76.80	56.70	88.40	153.50	107.60	511.00	179.56	83.70	100.40	79.10	167.45		
10	86.00	76.80	56.70	94.40	145.75	158.15	385.25	275.90	88.40	101.60	67.60	156.60		
11	83.70	75.65	55.80	98.00	105.20	195.40	358.25	290.60	93.20	135.20	76.80	227.08		
12	82.55	75.65	53.10	150.40	93.20	213.00	280.10	176.04	114.20	125.40	99.20	246.44		
13	68.75	81.40	54.90	83.70	94.40	197.16	333.50	159.70	128.20	125.40	161.25	269.60		
14	69.90	88.40	72.20	81.40	94.40	162.80	307.40	125.40	108.80	96.80	124.00	213.00		
15	67.60	79.10	80.25	82.55	89.60	114.20	301.10	125.40	99.20	75.65	104.00	195.40		
16	69.90	76.80	80.25	80.25	83.70	114.20	230.60	126.80	101.60	92.00	119.80	232.36		
17	67.60	76.80	80.25	92.00	83.70	112.80	365.00	133.80	125.40	74.50	101.60	282.20		
18	67.60	77.95	77.95	99.20	83.70	112.80	537.00	164.35	126.80	79.10	100.40	232.36		
19	71.05	77.95	77.95	98.00	76.80	117.00	706.80	136.60	128.20	119.80	98.00	232.36		
20	71.05	74.50	76.80	95.60	72.20	234.12	768.50	144.20	156.60	125.40	144.20	239.40		
21	69.90	59.40	77.95	220.04	71.05	371.75	722.30	124.00	155.05	133.80	114.20	197.16		
22	71.05	60.30	79.10	108.80	72.20	663.40	550.00	136.60	132.40	86.00	114.20	207.72		
23	71.05	60.30	76.80	122.60	72.20	697.50	475.00	176.04	115.60	108.80	117.00	269.60		
24	71.05	59.40	73.35	108.80	61.20	672.70	560.40	195.40	139.55	119.80	169.00	271.70		
25	72.20	60.30	74.50	88.40	61.20	577.25	555.20	151.95	139.55	105.20	136.60	259.10		
26	77.95	61.20	58.50	128.20	72.20	508.40	518.80	190.12	132.40	106.40	108.80	288.50		
27	86.00	72.20	45.00	197.16	77.95	577.25	326.75	158.15	128.20	84.85	121.20	253.48		
28	87.20	79.10	45.90	213.00	83.70	588.65	191.88	162.80	131.00	84.85	139.55	225.32		
29	87.20	83.70	50.40	344.75	135.20	597.20	225.32	150.40	114.20	69.90		228.84		
30	86.00	87.20	53.10	331.25	174.28	557.80	138.00	145.75	129.60	69.90		267.50		
31		87.20		193.64	153.50		169.00		138.00	71.05		311.60		
Total	2312.60	2565.70	2021.10	3841.39	3130.97	9499.68	13252.00	5058.31	3715.65	3182.70	3088.90	6312.37	57981.37	CMSDAY
Mean	77.09	82.76	67.37	123.92	101.00	316.66	427.48	168.61	119.86	102.67	110.32	203.62	158.85	CMS
Max	114.20	162.80	88.40	344.75	220.04	697.50	768.50	290.60	156.60	156.60	169.00	311.60	768.50	CMS
Min	64.15	59.40	45.00	68.75	57.60	107.60	138.00	124.00	83.70	69.90	67.60	95.60	45.00	CMS
Runoff	199.81	221.68	174.62	331.90	270.52	820.77	1144.97	437.04	321.03	274.99	266.88	545.39	5009.59	MCM
Momentary Peak		877.00	CMS. at 14.48 m. (MSL.)	at 10.00 Hours , on Oct 7, 2021										
Runoff Yield		6.17	Liters/Second/Square KM.	Momentary Peak Yield				34.07	Liters/Second/Square KM.					

WATER YEAR : 2021**MAE KLONG RIVER BASIN****Lam Ta Phoen at Ban Thung Na Nang Rok , Kanchanaburi (K.12)**

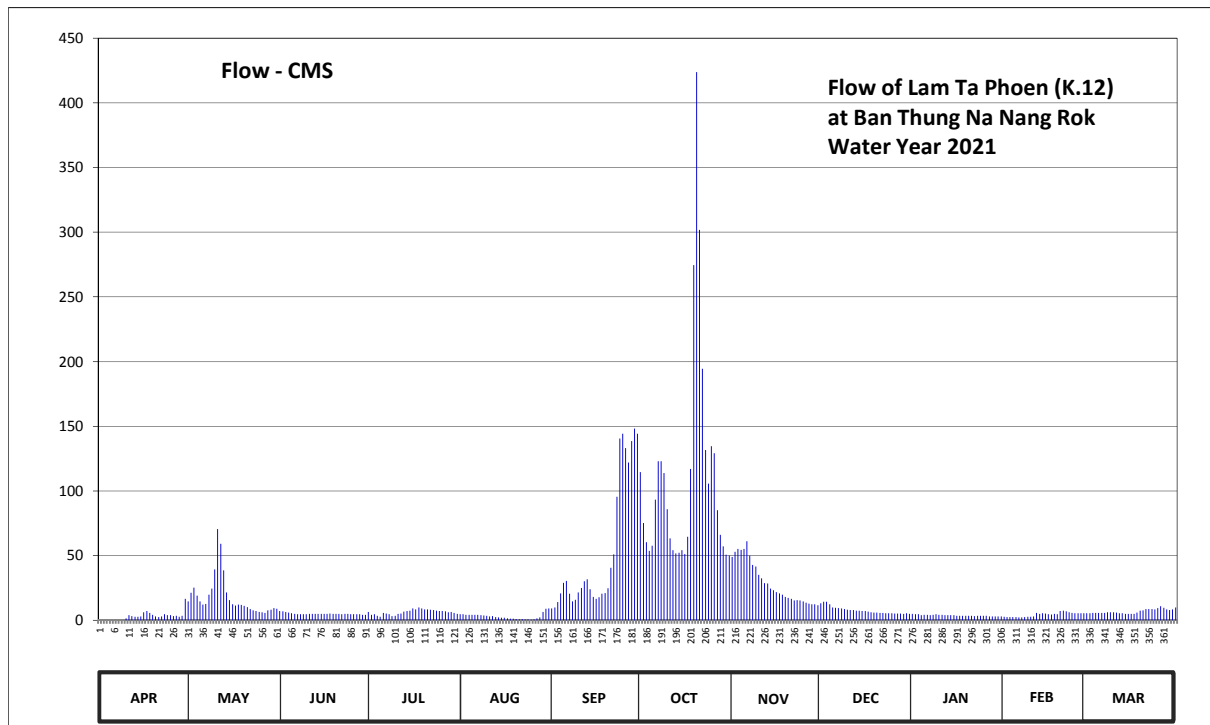
Lat 14 - 10 - 32 N Long 99 - 26 - 03 E

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	Stable.		
Overbank Flow Conditions	Overbank flow starts at elevation +45.810 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 37 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	40.44	41.23	40.86	40.82	40.71	40.95	44.56	42.64	41.15	40.73	40.58	40.76	
2	40.44	41.56	40.84	40.68	40.70	40.99	43.52	42.78	41.21	40.71	40.56	40.76	
3	40.43	41.73	40.82	40.71	40.68	41.20	43.04	42.86	41.21	40.70	40.56	40.77	
4	40.43	41.45	40.79	40.63	40.67	41.54	42.81	42.83	41.11	40.66	40.56	40.78	
5	40.43	41.22	40.76	40.57	40.67	41.87	42.95	42.86	40.99	40.68	40.56	40.77	
6	40.43	41.10	40.73	40.78	40.68	41.93	44.02	43.07	40.98	40.68	40.54	40.77	
7	40.43	41.13	40.71	40.74	40.68	41.52	44.75	42.67	40.96	40.65	40.54	40.77	
8	40.43	41.49	40.70	40.70	40.66	41.23	44.75	42.41	40.95	40.67	40.56	40.80	
9	40.43	41.70	40.70	40.61	40.64	41.29	44.54	42.36	40.93	40.70	40.57	40.81	
10	40.49	42.28	40.71	40.62	40.62	41.57	43.82	42.12	40.90	40.68	40.57	40.80	
11	40.66	43.38	40.72	40.72	40.60	41.72	43.14	42.01	40.89	40.68	40.59	40.79	
12	40.61	43.00	40.73	40.74	40.61	41.92	42.82	41.86	40.89	40.66	40.78	40.76	
13	40.58	42.25	40.73	40.83	40.56	41.98	42.74	41.85	40.87	40.66	40.73	40.75	
14	40.58	41.57	40.72	40.85	40.54	41.68	42.75	41.70	40.87	40.65	40.76	40.73	
15	40.59	41.27	40.72	40.87	40.53	41.40	42.82	41.65	40.86	40.65	40.74	40.73	
16	40.80	41.11	40.73	40.95	40.53	41.33	42.72	41.59	40.85	40.63	40.71	40.73	
17	40.85	41.07	40.73	40.92	40.50	41.39	43.18	41.54	40.83	40.62	40.69	40.73	
18	40.77	41.10	40.74	40.99	40.48	41.52	44.62	41.48	40.81	40.63	40.72	40.79	
19	40.68	41.09	40.73	40.95	40.48	41.55	46.95	41.40	40.79	40.63	40.70	40.87	
20	40.60	41.05	40.72	40.91	40.46	41.71	47.83	41.36	40.79	40.63	40.86	40.88	
21	40.56	41.00	40.72	40.91	40.44	42.33	47.17	41.32	40.78	40.62	40.87	40.93	
22	40.59	40.93	40.71	40.90	40.46	42.71	46.04	41.26	40.77	40.61	40.84	40.93	
23	40.70	40.88	40.72	40.89	40.45	44.08	44.93	41.27	40.76	40.63	40.80	40.93	
24	40.65	40.85	40.72	40.87	40.45	45.11	44.34	41.26	40.76	40.63	40.77	40.91	
25	40.66	40.82	40.71	40.86	40.43	45.18	44.99	41.22	40.75	40.63	40.76	40.96	
26	40.61	40.80	40.71	40.86	40.44	44.96	44.88	41.18	40.74	40.62	40.75	41.04	
27	40.63	40.77	40.71	40.84	40.50	44.73	43.80	41.14	40.74	40.60	40.75	40.98	
28	40.58	40.88	40.71	40.80	40.55	45.07	43.23	41.12	40.74	40.60	40.75	40.92	
29	40.62	40.90	40.68	40.82	40.82	45.26	42.93	41.11	40.72	40.60		40.89	
30	41.32	40.97	40.68	40.77	40.94	45.18	42.70	41.08	40.75	40.59		40.91	
31		40.94		40.72	40.95		42.67		40.73	40.59		40.99	
Mean	40.60	41.34	40.73	40.80	40.59	42.50	44.06	41.83	40.87	40.65	40.68	40.84	
Max	41.32	43.38	40.86	40.99	40.95	45.26	47.83	43.07	41.21	40.73	40.87	41.04	47.83
Min	40.43	40.77	40.68	40.57	40.43	40.95	42.67	41.08	40.72	40.59	40.54	40.73	40.43
Annual Max Momentary Gage Height	47.91		m. (MSL.) ,			at 05.00 Hours , on Oct 20, 2021							
Zero Gage at Bottom Elevation	39.70		m. (MSL.) ,			River Bed 39.43	m. (MSL.)						
Left Bank Elevation	48.71		m. (MSL.) ,										
Right Bank Elevation	45.80		m. (MSL.) ,			Drainage Are 2,293	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	14.60	7.20	6.40	4.65	9.00	114.40	48.92	13.00	4.95	2.70	5.40		
2	0.00	21.20	6.80	4.20	4.50	9.80	75.20	52.84	14.20	4.65	2.40	5.40		
3	0.00	25.25	6.40	4.65	4.20	14.00	60.20	55.08	14.20	4.50	2.40	5.55		
4	0.00	19.00	5.85	3.45	4.05	20.80	53.68	54.24	12.20	3.90	2.40	5.70		
5	0.00	14.40	5.40	2.55	4.05	28.75	57.60	55.08	9.80	4.20	2.40	5.55		
6	0.00	12.00	4.95	5.70	4.20	30.25	93.25	61.10	9.60	4.20	2.10	5.55		
7	0.00	12.60	4.65	5.10	4.20	20.40	122.75	49.76	9.20	3.75	2.10	5.55		
8	0.00	19.80	4.50	4.50	3.90	14.60	122.75	42.66	9.00	4.05	2.40	6.00		
9	0.00	24.50	4.50	3.15	3.60	15.80	113.60	41.36	8.60	4.50	2.55	6.20		
10	1.35	39.28	4.65	3.30	3.30	21.40	85.75	35.12	8.00	4.20	2.55	6.00		
11	3.90	70.40	4.80	4.80	3.00	25.00	63.20	32.26	7.80	4.20	2.85	5.85		
12	3.15	59.00	4.95	5.10	3.15	30.00	53.96	28.50	7.80	3.90	5.70	5.40		
13	2.70	38.50	4.95	6.60	2.40	31.50	51.72	28.25	7.40	3.90	4.95	5.25		
14	2.70	21.40	4.80	7.00	2.10	24.00	52.00	24.50	7.40	3.75	5.40	4.95		
15	2.85	15.40	4.80	7.40	1.95	18.00	53.96	23.25	7.20	3.75	5.10	4.95		
16	6.00	12.20	4.95	9.00	1.95	16.60	51.16	21.80	7.00	3.45	4.65	4.95		
17	7.00	11.40	4.95	8.40	1.50	17.80	64.40	20.80	6.60	3.30	4.35	4.95		
18	5.55	12.00	5.10	9.80	1.20	20.40	116.90	19.60	6.20	3.45	4.80	5.85		
19	4.20	11.80	4.95	9.00	1.20	21.00	274.50	18.00	5.85	3.45	4.50	7.40		
20	3.00	11.00	4.80	8.20	0.90	24.75	423.60	17.20	5.85	3.45	7.20	7.60		
21	2.40	10.00	4.80	8.20	0.60	40.58	301.60	16.40	5.70	3.30	7.40	8.60		
22	2.85	8.60	4.65	8.00	0.90	50.88	194.30	15.20	5.55	3.15	6.80	8.60		
23	4.50	7.60	4.80	7.80	0.75	95.50	131.50	15.40	5.40	3.45	6.00	8.60		
24	3.75	7.00	4.80	7.40	0.75	140.50	105.60	15.20	5.40	3.45	5.55	8.20		
25	3.90	6.40	4.65	7.20	0.45	144.00	134.50	14.40	5.25	3.45	5.40	9.20		
26	3.15	6.00	4.65	7.20	0.60	133.00	129.00	13.60	5.10	3.30	5.25	10.80		
27	3.45	5.55	4.65	6.80	1.50	121.85	85.00	12.80	5.10	3.00	5.25	9.60		
28	2.70	7.60	4.65	6.00	2.25	138.50	65.90	12.40	5.10	3.00	5.25	8.40		
29	3.30	8.00	4.20	6.40	6.40	148.00	57.04	12.20	4.80	3.00		7.80		
30	16.40	9.40	4.20	5.55	8.80	144.00	50.60	11.60	5.25	2.85		8.20		
31		8.80		4.80	9.00		49.76		4.95	2.85		9.80		
Total	88.80	550.68	150.00	193.65	92.00	1570.66	3409.38	869.52	234.50	114.30	120.40	211.85	7605.74	CMSDAY
Mean	2.96	17.76	5.00	6.25	2.97	52.36	109.98	28.98	7.56	3.69	4.30	6.83	20.84	CMS
Max	16.40	70.40	7.20	9.80	9.00	148.00	423.60	61.10	14.20	4.95	7.40	10.80	423.60	CMS
Min	0.00	5.55	4.20	2.55	0.45	9.00	49.76	11.60	4.80	2.85	2.10	4.95	0.00	CMS
Runoff	7.67	47.58	12.96	16.73	7.95	135.71	294.57	75.13	20.26	9.88	10.40	18.30	657.14	MCM
Momentary Peak	445.20 CMS. at 47.91 m. (MSL.) at 05:00 Hours , on Oct 20, 2021													
Runoff Yield	9.09	Liters/Second/Square KM.				Momentary Peak Yield			194.16	Liters/Second/Square KM.				

WATER YEAR : 2021**MAE KLONG RIVER BASIN****Lam Phachi at Ban Bo , Ratchaburi (K.17)**

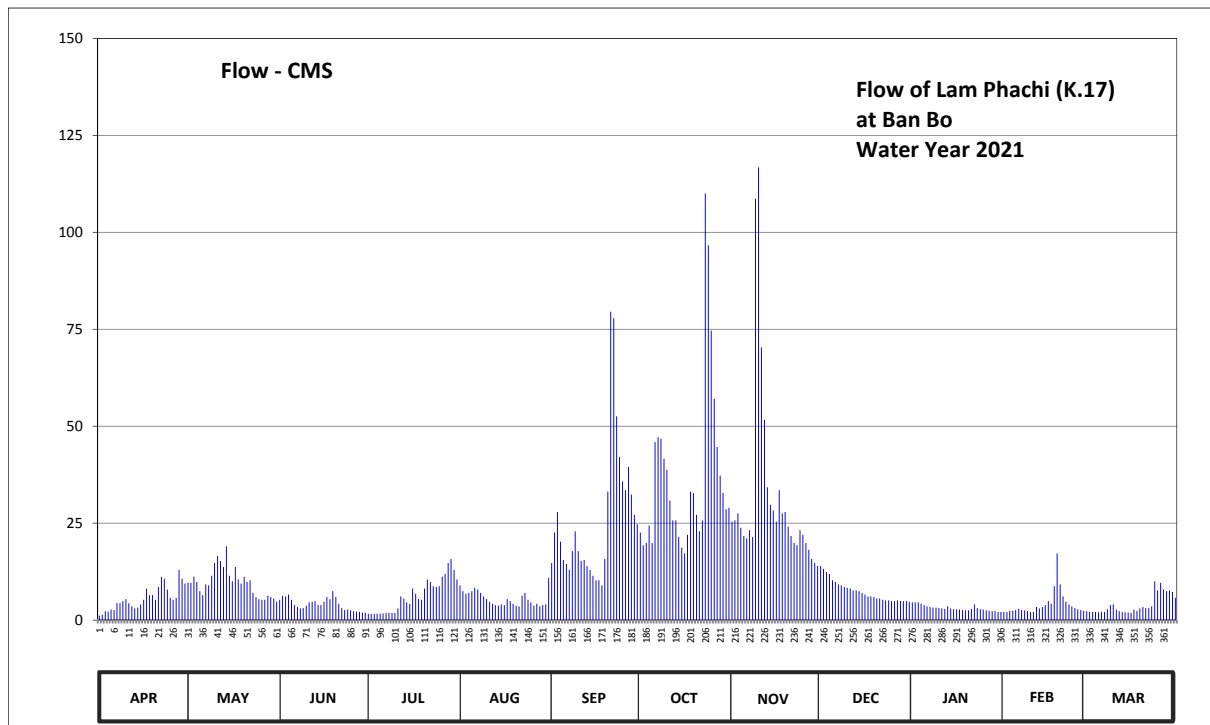
Lat 13 - 32 - 47 N Long 99 - 21 - 12 E

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 33 discharge measurements made in 2021.				

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	97.38	97.94	97.72	97.44	97.91	98.15	98.42	98.51	98.12	97.68	97.49	97.51	
2	97.41	97.94	97.78	97.43	97.84	98.42	98.31	98.52	98.09	97.68	97.49	97.50	
3	97.51	98.01	97.77	97.44	97.81	98.58	98.33	98.57	98.06	97.68	97.52	97.49	
4	97.50	97.95	97.80	97.44	97.82	98.34	98.48	98.46	98.04	97.66	97.52	97.49	
5	97.55	97.84	97.72	97.44	97.84	98.18	98.33	98.39	97.97	97.64	97.54	97.48	
6	97.54	97.79	97.64	97.45	97.88	98.14	99.04	98.37	97.95	97.62	97.57	97.49	
7	97.67	97.92	97.61	97.46	97.86	98.08	99.07	98.44	97.92	97.61	97.54	97.49	
8	97.67	97.91	97.58	97.46	97.82	98.26	99.06	98.38	97.91	97.60	97.53	97.56	
9	97.70	98.02	97.59	97.46	97.77	98.43	98.94	100.18	97.89	97.60	97.51	97.64	
10	97.73	98.15	97.63	97.46	97.73	98.26	98.87	100.29	97.88	97.59	97.49	97.65	
11	97.67	98.22	97.68	97.58	97.69	98.17	98.66	99.55	97.87	97.58	97.49	97.55	
12	97.62	98.17	97.69	97.77	97.66	98.18	98.52	99.17	97.85	97.57	97.61	97.51	
13	97.58	98.11	97.70	97.74	97.64	98.12	98.52	98.75	97.85	97.62	97.58	97.49	
14	97.60	98.30	97.64	97.68	97.63	98.08	98.38	98.63	97.84	97.58	97.61	97.48	
15	97.65	98.02	97.64	97.66	97.65	98.02	98.29	98.59	97.82	97.56	97.64	97.47	
16	97.72	97.96	97.69	97.87	97.64	97.97	98.24	98.51	97.80	97.56	97.70	97.46	
17	97.87	98.11	97.76	97.81	97.73	97.97	98.40	98.73	97.77	97.55	97.66	97.55	
18	97.79	97.98	97.73	97.73	97.70	97.91	98.72	98.57	97.77	97.54	97.90	97.52	
19	97.79	97.93	97.84	97.72	97.66	98.19	98.71	98.58	97.76	97.53	98.24	97.58	
20	97.72	98.01	97.76	97.87	97.63	98.72	98.56	98.47	97.74	97.53	97.92	97.61	
21	97.89	97.95	97.66	97.98	97.62	99.72	98.43	98.39	97.74	97.57	97.77	97.59	
22	98.01	97.97	97.59	97.95	97.78	99.69	98.52	98.33	97.72	97.65	97.69	97.59	
23	97.99	97.82	97.54	97.90	97.82	99.19	100.20	98.31	97.71	97.59	97.65	97.62	
24	97.86	97.76	97.55	97.89	97.72	98.95	100.00	98.44	97.71	97.56	97.62	97.96	
25	97.75	97.73	97.53	97.90	97.68	98.79	99.63	98.40	97.70	97.55	97.59	97.85	
26	97.72	97.72	97.51	98.01	97.63	98.73	99.29	98.33	97.70	97.53	97.56	97.94	
27	97.75	97.72	97.50	98.04	97.66	98.89	99.01	98.27	97.71	97.52	97.54	97.86	
28	98.08	97.78	97.49	98.15	97.62	98.70	98.83	98.19	97.70	97.51	97.52	97.84	
29	97.99	97.76	97.47	98.19	97.64	98.56	98.71	98.15	97.70	97.52		97.85	
30	97.93	97.74	97.46	98.08	97.65	98.49	98.60	98.12	97.70	97.49		97.83	
31		97.69		97.98	98.00		98.61		97.69	97.49		97.75	
Mean	97.72	97.93	97.64	97.74	97.73	98.46	98.76	98.62	97.83	97.58	97.62	97.62	
Max	98.08	98.30	97.84	98.19	98.00	99.72	100.20	100.29	98.12	97.68	98.24	97.96	100.29
Min	97.38	97.69	97.46	97.43	97.62	97.91	98.24	98.12	97.69	97.49	97.49	97.46	97.38
Annual Max Momentary Gage Height	101.35		m. (MSL.) ,			at 17.00 Hours ,	on Nov 9, 2021						
Zero Gage at Bottom Elevation	97.50		m. (MSL.) ,			River Bed	96.55	m. (MSL.)					
Left Bank Elevation		108.73		m. (MSL.) ,									
Right Bank Elevation		103.02		m. (MSL.) ,		Drainage Are	1,343	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.17	9.61	5.24	1.66	8.97	14.73	22.60	25.36	13.96	4.56	2.11	2.30	
2	1.39	9.61	6.26	1.57	7.46	22.60	19.30	25.72	13.20	4.56	2.11	2.20	
3	2.30	11.16	6.09	1.66	6.82	27.88	19.90	27.52	12.43	4.56	2.40	2.11	
4	2.20	9.83	6.60	1.66	7.03	20.20	24.40	23.80	11.92	4.22	2.40	2.11	
5	2.70	7.46	5.24	1.66	7.46	15.49	19.90	21.70	10.26	3.88	2.60	2.02	
6	2.60	6.43	3.88	1.75	8.32	14.47	45.92	21.10	9.83	3.54	2.90	2.11	
7	4.39	9.18	3.37	1.84	7.89	12.94	47.21	23.20	9.18	3.37	2.60	2.11	
8	4.39	8.97	3.00	1.84	7.03	17.80	46.78	21.40	8.97	3.20	2.50	2.80	
9	4.90	11.41	3.10	1.84	6.09	22.90	41.62	108.67	8.54	3.20	2.30	3.88	
10	5.41	14.73	3.71	1.84	5.41	17.80	38.77	116.75	8.32	3.10	2.11	4.05	
11	4.39	16.60	4.56	3.00	4.73	15.24	30.86	70.30	8.11	3.00	2.11	2.70	
12	3.54	15.24	4.73	6.09	4.22	15.49	25.72	51.65	7.68	2.90	3.37	2.30	
13	3.00	13.71	4.90	5.58	3.88	13.96	25.72	34.25	7.68	3.54	3.00	2.11	
14	3.20	19.00	3.88	4.56	3.71	12.94	21.40	29.73	7.46	3.00	3.37	2.02	
15	4.05	11.41	3.88	4.22	4.05	11.41	18.70	28.24	7.03	2.80	3.88	1.93	
16	5.24	10.04	4.73	8.11	3.88	10.26	17.20	25.36	6.60	2.80	4.90	1.84	
17	8.11	13.71	5.92	6.82	5.41	10.26	22.00	33.50	6.09	2.70	4.22	2.70	
18	6.43	10.47	5.41	5.41	4.90	8.97	33.12	27.52	6.09	2.60	8.75	2.40	
19	6.43	9.40	7.46	5.24	4.22	15.75	32.74	27.88	5.92	2.50	17.20	3.00	
20	5.24	11.16	5.92	8.11	3.71	33.12	27.16	24.10	5.58	2.50	9.18	3.37	
21	8.54	9.83	4.22	10.47	3.54	79.52	22.90	21.70	5.58	2.90	6.09	3.10	
22	11.16	10.26	3.10	9.83	6.26	77.86	25.72	19.90	5.24	4.05	4.73	3.10	
23	10.69	7.03	2.60	8.75	7.03	52.55	110.00	19.30	5.07	3.10	4.05	3.54	
24	7.89	5.92	2.70	8.54	5.24	42.05	96.67	23.20	5.07	2.80	3.54	10.04	
25	5.75	5.41	2.50	8.75	4.56	35.76	74.62	22.00	4.90	2.70	3.10	7.68	
26	5.24	5.24	2.30	11.16	3.71	33.50	57.05	19.90	4.90	2.50	2.80	9.61	
27	5.75	5.24	2.20	11.92	4.22	39.52	44.63	18.10	5.07	2.40	2.60	7.89	
28	12.94	6.26	2.11	14.73	3.54	32.37	37.26	15.75	4.90	2.30	2.40	7.46	
29	10.69	5.92	1.93	15.75	3.88	27.16	32.74	14.73	4.90	2.40		7.68	
30	9.40	5.58	1.84	12.94	4.05	24.70	28.60	13.96	4.90	2.11		7.25	
31		4.73		10.47	10.90		28.98		4.73	2.11		5.75	
Total	169.13	300.55	123.38	197.77	172.12	779.20	1140.19	956.29	230.11	95.90	113.32	123.16	4401.12 CMSDAY
Mean	5.64	9.70	4.11	6.38	5.55	25.97	36.78	31.88	7.42	3.09	4.05	3.97	12.06 CMS
Max	12.94	19.00	7.46	15.75	10.90	79.52	110.00	116.75	13.96	4.56	17.20	10.04	116.75 CMS
Min	1.17	4.73	1.84	1.57	3.54	8.97	17.20	13.96	4.73	2.11	2.11	1.84	1.17 CMS
Runoff	14.61	25.97	10.66	17.09	14.87	67.32	98.51	82.62	19.88	8.29	9.79	10.64	380.26 MCM
Momentary Peak	216.00 CMS. at 101.35 m. (MSL.) at 17.00 Hours , on Nov 9, 2021												
Runoff Yield	8.98	Liters/Second/Square KM.		Momentary Peak Yield		160.83	Liters/Second/Square KM.						

WATER YEAR : 2021

MAE KLONG RIVER BASIN

Huai Mae Nam Noi at Ban Mae Nam Noi , Kanchanaburi (K.22C)

Lat 14 - 26 - 48 N Long 98 - 48 - 05 E

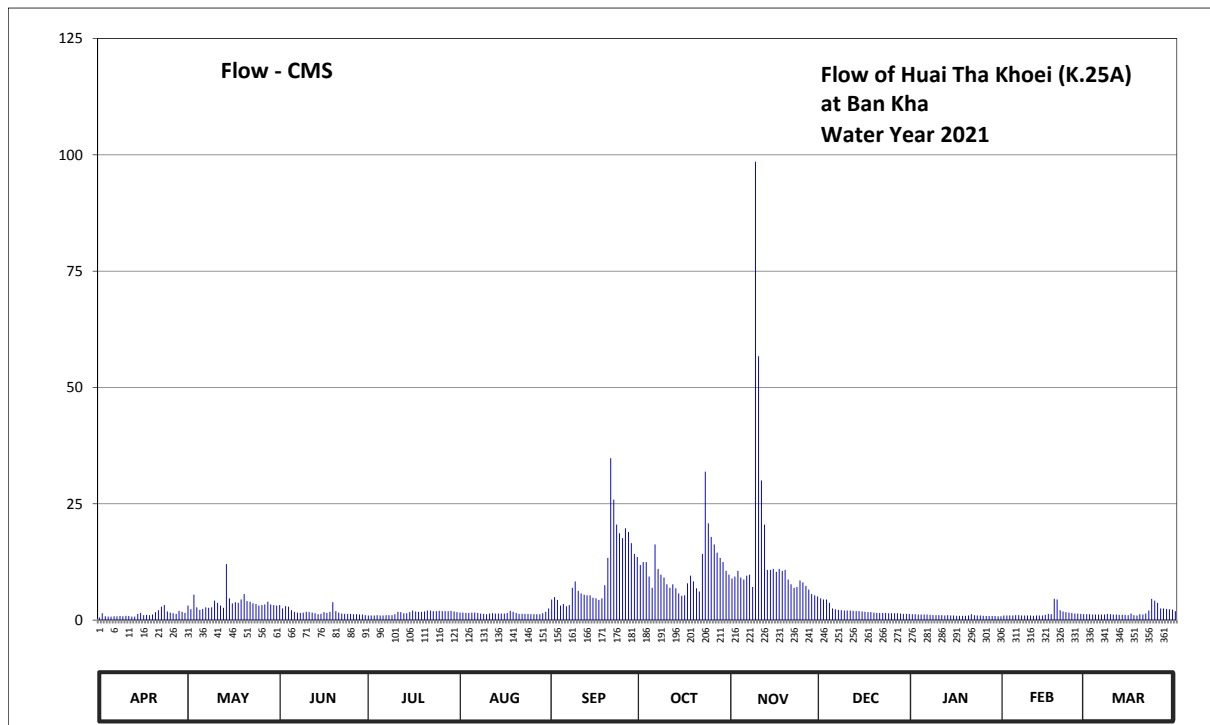
Location : on right bank about 640 meters upstream from station K.22A

	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	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 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	67.22	67.59	67.41	67.48	68.91	68.28	68.07	67.97	67.59	67.45	67.37	67.34	
2	67.22	67.65	67.40	67.48	68.82	68.50	68.05	67.96	67.56	67.45	67.36	67.34	
3	67.25	67.45	67.40	67.48	68.92	68.83	68.04	67.95	67.55	67.44	67.36	67.34	
4	67.24	67.68	67.39	67.48	69.11	68.73	68.04	67.89	67.55	67.44	67.36	67.33	
5	67.29	67.60	67.38	67.47	69.21	68.59	68.02	67.86	67.55	67.44	67.39	67.36	
6	67.32	67.50	67.37	67.45	69.95	68.44	68.01	67.84	67.55	67.44	67.37	67.35	
7	67.43	67.42	67.36	67.45	69.55	68.35	67.99	67.82	67.55	67.43	67.36	67.39	
8	67.42	67.38	67.42	67.45	69.15	68.29	67.98	67.83	67.54	67.43	67.36	67.35	
9	67.34	67.60	67.43	67.49	68.86	68.26	67.95	67.80	67.54	67.42	67.35	67.34	
10	67.34	67.39	67.45	67.54	68.66	68.22	67.92	67.79	67.54	67.42	67.35	67.34	
11	67.32	67.37	67.94	67.61	68.54	68.26	67.92	67.77	67.53	67.42	67.35	67.34	
12	67.32	67.34	67.92	67.55	68.43	68.28	67.92	67.76	67.53	67.41	67.35	67.33	
13	67.32	67.32	67.81	67.56	68.33	68.16	67.92	67.75	67.53	67.41	67.35	67.33	
14	67.31	67.37	67.68	67.46	68.31	68.10	67.89	67.75	67.52	67.41	67.35	67.32	
15	67.44	67.31	68.49	67.47	68.21	68.13	68.41	67.74	67.52	67.40	67.35	67.32	
16	67.35	67.29	68.89	67.48	68.31	68.23	68.33	67.73	67.51	67.40	67.36	67.31	
17	67.35	67.30	68.31	67.49	68.22	68.20	69.38	67.72	67.51	67.40	67.35	67.30	
18	67.44	67.34	68.18	67.65	68.15	68.11	68.80	67.71	67.50	67.40	67.40	67.31	
19	67.34	67.34	67.86	68.45	68.13	68.33	68.49	67.70	67.50	67.40	67.41	67.32	
20	67.34	67.31	67.78	69.52	68.09	68.29	68.32	67.69	67.49	67.40	67.40	67.34	
21	67.30	67.30	67.67	69.06	68.24	68.68	68.18	67.68	67.49	67.40	67.45	67.41	
22	67.30	67.30	67.60	69.05	68.10	69.00	68.08	67.67	67.49	67.40	67.37	67.42	
23	67.30	67.32	67.58	69.41	68.06	68.96	68.96	67.66	67.49	67.39	67.36	67.41	
24	67.29	67.33	67.55	69.02	68.02	68.63	68.40	67.65	67.48	67.39	67.35	67.43	
25	67.28	67.32	67.53	69.39	68.02	68.42	68.39	67.64	67.48	67.39	67.35	67.41	
26	67.27	67.31	67.52	69.50	68.08	68.40	68.29	67.63	67.47	67.39	67.35	67.38	
27	67.29	67.41	67.50	69.68	68.06	68.40	68.14	67.62	67.47	67.39	67.34	67.35	
28	67.39	67.43	67.49	70.55	68.00	68.34	68.06	67.61	67.47	67.38	67.34	67.33	
29	67.46	67.44	67.49	69.90	67.99	68.24	68.05	67.60	67.46	67.38		67.33	
30	67.73	67.43	67.48	69.42	68.00	68.19	68.03	67.59	67.46	67.38		67.32	
31		67.41		69.17	68.29		68.00		67.45	67.38		67.32	
Mean	67.34	67.40	67.68	68.30	68.47	68.39	68.19	67.75	67.51	67.41	67.36	67.35	
Max	67.73	67.68	68.89	70.55	69.95	69.00	69.38	67.97	67.59	67.45	67.45	67.43	70.55
Min	67.22	67.29	67.36	67.45	67.99	68.10	67.89	67.59	67.45	67.38	67.34	67.30	67.22
Annual Max Momentary Gage Height	70.92		m. (MSL.) ,			at 06.00 Hours ,	on Jul 28, 2021						
Zero Gage at Bottom Elevation	66.20		m. (MSL.) ,			River Bed	66.61	m. (MSL.)					
Left Bank Elevation	78.48		m. (MSL.) ,										
Right Bank Elevation	72.70		m. (MSL.) ,			Drainage Are	310	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.18	5.37	2.94	3.88	42.67	19.62	14.12	11.83	5.37	3.48	2.53	2.26	
2	1.18	6.28	2.80	3.88	38.93	26.55	13.63	11.64	4.96	3.48	2.44	2.26	
3	1.45	3.48	2.80	3.88	43.08	39.35	13.38	11.45	4.83	3.34	2.44	2.26	
4	1.36	6.74	2.71	3.88	51.52	35.27	13.38	10.31	4.83	3.34	2.44	2.17	
5	1.81	5.50	2.62	3.75	56.17	29.66	12.89	9.74	4.83	3.34	2.71	2.44	
6	2.08	4.15	2.53	3.48	92.50	24.48	12.65	9.36	4.83	3.34	2.53	2.35	
7	3.21	3.07	2.44	3.48	72.50	21.65	12.21	8.98	4.83	3.21	2.44	2.71	
8	3.07	2.62	3.07	3.48	53.38	19.91	12.02	9.17	4.69	3.21	2.44	2.35	
9	2.26	5.50	3.21	4.02	40.59	19.04	11.45	8.60	4.69	3.07	2.35	2.26	
10	2.26	2.71	3.48	4.69	32.43	17.88	10.88	8.45	4.69	3.07	2.35	2.26	
11	2.08	2.53	11.26	5.66	27.93	19.04	10.88	8.14	4.56	3.07	2.35	2.26	
12	2.08	2.26	10.88	4.83	24.14	19.62	10.88	7.98	4.56	2.94	2.35	2.17	
13	2.08	2.08	8.79	4.96	21.07	16.32	10.88	7.83	4.56	2.94	2.35	2.17	
14	1.99	2.53	6.74	3.61	20.49	14.85	10.31	7.83	4.42	2.94	2.35	2.08	
15	3.34	1.99	26.21	3.75	17.59	15.59	23.45	7.67	4.42	2.80	2.35	2.08	
16	2.35	1.81	41.84	3.88	20.49	18.17	21.07	7.52	4.29	2.80	2.44	1.99	
17	2.35	1.90	20.49	4.02	17.88	17.30	64.07	7.36	4.29	2.80	2.35	1.90	
18	3.34	2.26	16.81	6.28	16.08	15.10	38.10	7.21	4.15	2.80	2.80	1.99	
19	2.26	2.26	9.74	24.83	15.59	21.07	26.21	7.05	4.15	2.80	2.94	2.08	
20	2.26	1.99	8.29	71.00	14.61	19.91	20.78	6.90	4.02	2.80	2.80	2.26	
21	1.90	1.90	6.59	49.19	18.46	33.24	16.81	6.74	4.02	2.80	3.48	2.94	
22	1.90	1.90	5.50	48.73	14.85	46.40	14.36	6.59	4.02	2.80	2.53	3.07	
23	1.90	2.08	5.23	65.50	13.87	44.74	44.74	6.43	4.02	2.71	2.44	2.94	
24	1.81	2.17	4.83	47.33	12.89	31.22	23.10	6.28	3.88	2.71	2.35	3.21	
25	1.72	2.08	4.56	64.54	12.89	23.79	22.81	6.12	3.88	2.71	2.35	2.94	
26	1.63	1.99	4.42	70.00	14.36	23.10	19.91	5.97	3.75	2.71	2.35	2.62	
27	1.81	2.94	4.15	79.00	13.87	23.10	15.83	5.81	3.75	2.71	2.26	2.35	
28	2.71	3.21	4.02	126.00	12.40	21.36	13.87	5.66	3.75	2.62	2.26	2.17	
29	3.61	3.34	4.02	90.00	12.21	18.46	13.63	5.50	3.61	2.62		2.17	
30	7.52	3.21	3.88	66.00	12.40	17.06	13.14	5.37	3.61	2.62		2.08	
31		2.94		54.31	19.91		12.40		3.48	2.62		2.08	
Total	70.50	94.79	236.85	931.84	877.75	712.85	573.84	235.49	133.74	91.20	69.77</		



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.58	3.12	3.24	1.00	1.63	4.44	11.82	8.94	4.68	1.28	1.00	1.28	
2	1.49	2.33	2.52	1.00	1.63	4.94	12.48	9.35	4.44	1.28	1.00	1.28	
3	0.82	5.48	3.00	1.00	1.56	4.32	12.48	10.58	4.44	1.21	1.00	1.21	
4	0.76	2.76	2.88	1.07	1.56	3.12	9.35	9.14	3.72	1.21	1.00	1.21	
5	0.76	2.19	2.12	1.00	1.63	3.48	6.96	8.73	2.52	1.21	1.07	1.21	
6	0.82	2.40	1.77	1.00	1.63	3.00	16.27	9.55	2.33	1.21	1.07	1.21	
7	0.82	2.76	1.63	1.07	1.56	3.24	10.99	9.76	2.19	1.14	1.00	1.21	
8	0.88	2.64	1.56	1.07	1.42	6.96	9.76	7.10	2.12	1.07	1.00	1.35	
9	0.82	2.76	1.63	1.07	1.35	8.32	9.14	98.50	2.05	1.07	1.00	1.28	
10	0.94	4.20	1.77	1.28	1.28	6.29	7.71	56.70	2.05	1.07	1.00	1.21	
11	0.88	3.72	1.70	1.77	1.42	5.75	6.96	30.02	2.05	1.07	0.94	1.21	
12	0.76	3.12	1.63	1.70	1.49	5.48	7.71	20.53	1.98	1.00	1.00	1.14	
13	0.76	2.64	1.49	1.49	1.42	5.34	6.83	10.78	1.91	1.07	1.00	1.14	
14	1.35	12.04	1.28	1.49	1.42	5.34	5.75	10.78	1.91	1.00	1.00	1.14	
15	1.56	4.68	1.35	1.70	1.42	4.80	5.21	10.99	1.84	1.00	1.14	1.07	
16	1.07	3.60	1.70	2.05	1.42	4.68	5.34	10.37	1.77	0.94	1.35	1.42	
17	1.14	3.84	1.56	1.84	1.56	4.32	7.91	10.99	1.70	0.94	1.28	1.07	
18	1.07	3.72	1.77	1.77	1.98	4.68	9.55	10.58	1.70	0.94	4.56	1.00	
19	1.21	4.44	3.84	1.77	1.77	7.50	8.32	10.78	1.63	0.94	4.44	1.28	
20	1.70	5.61	1.91	1.84	1.56	13.36	6.83	8.73	1.56	1.00	2.12	1.21	
21	2.12	4.08	1.63	2.05	1.35	34.80	6.15	7.71	1.56	1.28	1.84	1.42	
22	2.88	3.96	1.42	2.05	1.35	25.90	14.24	6.96	1.56	1.07	1.70	2.05	
23	3.24	3.60	1.35	1.91	1.35	20.53	31.92	7.10	1.56	1.00	1.63	4.56	
24	1.84	3.48	1.35	1.91	1.35	18.67	20.80	8.53	1.49	1.00	1.56	4.20	
25	1.63	3.12	1.35	1.98	1.28	17.60	17.87	8.12	1.49	0.94	1.42	3.72	
26	1.49	3.24	1.28	1.91	1.28	19.73	16.27	7.37	1.49	0.88	1.42	2.52	
27	1.35	3.36	1.28	1.91	1.28	18.93	14.46	6.56	1.49	0.88	1.35	2.52	
28	1.98	3.96	1.21	1.91	1.28	16.53	13.36	5.61	1.42	0.88	1.28	2.40	
29	1.77	3.36	1.21	1.98	1.49	14.24	12.48	5.34	1.35	0.88		2.33	
30	1.56	3.24	1.07	1.84	1.77	13.58	10.58	5.07	1.35	0.82		2.26	
31		3.12		1.70	2.52		9.76		1.35	0.82		1.91	
Total	40.05	116.57	53.50	49.13	47.01	309.87	345.26	431.27	64.70	32.10	41.17	54.02	1584.65 CMSDAY
Mean	1.34	3.76	1.78	1.58	1.52	10.33	11.14	14.38	2.09	1.04	1.47	1.74	4.34 CMS
Max	3.24	12.04	3.84	2.05	2.52	34.80	31.92	98.50	4.68	1.28	4.56	4.56	98.50 CMS
Min	0.58	2.19	1.07	1.00	1.28	3.00	5.21	5.07	1.35	0.82	0.94	1.00	0.58 CMS
Runoff	3.46	10.07	4.62	4.24	4.06	26.77	29.83	37.26	5.59	2.77	3.56	4.67	136.91 MCM
Momentary Peak	198.75 CMS. at 155.71 m. (MSL.) at 09.00 Hours , on Nov 9, 2021												
Runoff Yield	11.58	Liters/Second/Square KM.		Momentary Peak Yield		530.00	Liters/Second/Square KM.						

WATER YEAR : 2021

MAE KLONG RIVER BASIN

Huai Mae Nam Lo at Ban Sai Yok , Kanchanaburi (K.30)

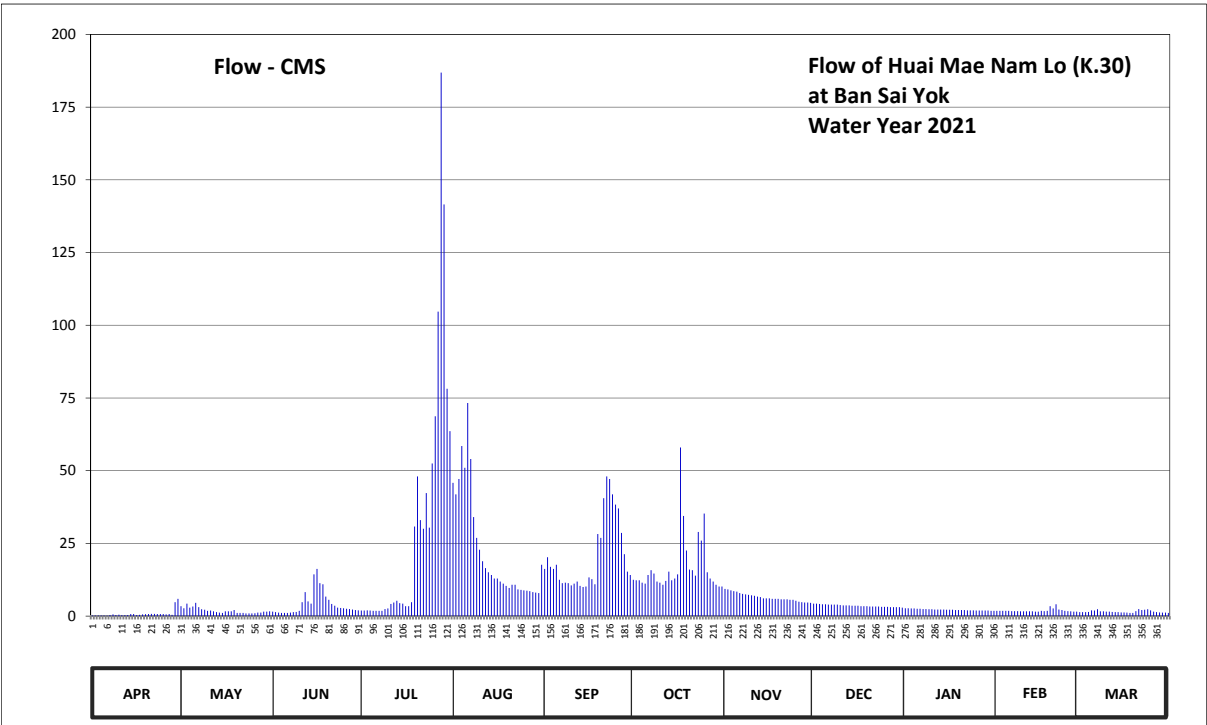
Lat 14 - 26 - 41 N Long 98 - 47 - 43 E

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 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	67.87	68.25	68.06	68.10	69.85	69.00	68.83	68.66	68.32	68.19	68.09	68.04	
2	67.87	68.19	68.04	68.10	69.76	69.16	68.82	68.65	68.32	68.19	68.09	68.04	
3	67.87	68.32	68.02	68.11	69.88	69.03	68.82	68.63	68.31	68.18	68.09	68.04	
4	67.87	68.21	68.01	68.10	70.11	69.00	68.78	68.61	68.30	68.18	68.09	68.05	
5	67.87	68.24	68.01	68.09	69.96	69.06	68.76	68.60	68.30	68.17	68.09	68.11	
6	67.86	68.34	68.01	68.09	70.38	68.83	68.91	68.57	68.29	68.17	68.08	68.10	
7	67.91	68.22	68.02	68.09	70.02	68.77	68.98	68.55	68.29	68.16	68.08	68.15	
8	67.94	68.15	68.04	68.09	69.58	68.78	68.93	68.54	68.29	68.16	68.08	68.07	
9	67.91	68.13	68.05	68.16	69.38	68.77	68.80	68.53	68.29	68.15	68.07	68.07	
10	67.93	68.09	68.09	68.18	69.25	68.73	68.78	68.52	68.28	68.15	68.07	68.06	
11	67.90	68.10	68.36	68.31	69.11	68.76	68.74	68.51	68.27	68.14	68.07	68.06	
12	67.90	68.07	68.59	68.35	69.01	68.80	68.81	68.49	68.27	68.14	68.07	68.05	
13	67.91	68.04	68.38	68.40	68.95	68.72	68.96	68.48	68.27	68.14	68.07	68.04	
14	67.96	68.02	68.32	68.33	68.91	68.70	68.82	68.45	68.26	68.14	68.06	68.04	
15	67.96	68.01	68.92	68.32	68.85	68.71	68.85	68.45	68.26	68.13	68.06	68.03	
16	67.91	68.07	69.00	68.25	68.85	68.87	68.92	68.45	68.26	68.13	68.09	68.03	
17	67.92	68.07	68.77	68.25	68.80	68.84	70.10	68.44	68.25	68.13	68.08	68.02	
18	67.94	68.07	68.75	68.36	68.76	68.75	69.59	68.44	68.25	68.12	68.09	68.01	
19	67.95	68.12	68.49	69.49	68.72	69.42	69.24	68.44	68.25	68.12	68.25	68.01	
20	67.96	68.01	68.42	69.90	68.68	69.38	68.99	68.43	68.24	68.12	68.18	68.08	
21	67.97	68.01	68.31	69.55	68.74	69.73	68.98	68.43	68.24	68.12	68.30	68.16	
22	67.97	68.01	68.26	69.47	68.74	69.90	68.90	68.43	68.24	68.11	68.14	68.12	
23	67.96	67.99	68.21	69.77	68.65	69.88	69.44	68.42	68.24	68.11	68.12	68.13	
24	67.96	67.99	68.20	69.48	68.64	69.76	69.35	68.42	68.23	68.11	68.09	68.15	
25	67.96	67.99	68.19	69.99	68.63	69.68	69.61	68.40	68.23	68.10	68.08	68.11	
26	67.94	68.00	68.17	70.30	68.62	69.65	68.95	68.37	68.23	68.10	68.07	68.06	
27	67.96	68.02	68.16	70.87	68.61	69.43	68.85	68.36	68.22	68.10	68.06	68.04	
28	67.92	68.02	68.14	71.79	68.59	69.20	68.80	68.35	68.22	68.10	68.06	68.03	
29	68.36	68.06	68.12	71.34	68.58	68.96	68.74	68.35	68.22	68.10		68.02	
30	68.44	68.06	68.11	70.46	68.57	68.91	68.71	68.34	68.22	68.09		68.02	
31		68.07		70.21	69.06		68.71		68.21	68.09		68.01	
Mean	67.96	68.09	68.27	69.04	69.10	69.11	68.98	68.48	68.26	68.13	68.10	68.06	
Max	68.44	68.34	69.00	71.79	70.38	69.90	70.10	68.66	68.32	68.19	68.30	68.16	71.79
Min	67.86	67.99	68.01	68.09	68.57	68.70	68.71	68.34	68.21	68.09	68.06	68.01	67.86
Annual Max Momentary Gage Height	72.03		m. (MSL.) ,				at 06.00 Hours , on Jul 28, 2021						
Zero Gage at Bottom Elevation		68.00	m. (MSL.) ,			River Bed	67.38	m. (MSL.)					
Left Bank Elevation		76.05	m. (MSL.) ,										
Right Bank Elevation		79.85	m. (MSL.) ,			Drainage Are	467	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.21	3.43	1.54	1.90	45.80	16.25	12.50	9.36	4.30	2.71	1.81	1.36	
2	0.21	2.71	1.36	1.90	41.84	20.22	12.30	9.20	4.30	2.71	1.81	1.36	
3	0.21	4.30	1.18	1.99	47.12	16.96	12.30	8.88	4.18	2.62	1.81	1.36	
4	0.21	2.93	1.09	1.90	58.50	16.25	11.52	8.56	4.05	2.62	1.81	1.45	
5	0.21	3.30	1.09	1.81	51.00	17.66	11.14	8.40	4.05	2.53	1.81	1.99	
6	0.18	4.55	1.09	1.81	73.26	12.50	14.14	7.94	3.93	2.53	1.72	1.90	
7	0.37	3.05	1.18	1.81	54.00	11.33	15.78	7.63	3.93	2.44	1.72	2.35	
8	0.58	2.35	1.36	1.81	34.07	11.52	14.61	7.47	3.93	2.44	1.72	1.63	
9	0.37	2.17	1.45	2.44	26.88	11.33	11.90	7.32	3.93	2.35	1.63	1.63	
10	0.51	1.81	1.81	2.62	22.85	10.57	11.52	7.16	3.80	2.35	1.63	1.54	
11	0.30	1.90	4.80	4.18	18.87	11.14	10.76	7.01	3.68	2.26	1.63	1.54	
12	0.30	1.63	8.25	4.68	16.49	11.90	12.10	6.70	3.68	2.26	1.63	1.45	
13	0.37	1.36	5.05	5.30	15.08	10.38	15.31	6.54	3.68	2.26	1.63	1.36	
14	0.72	1.18	4.30	4.43	14.14	10.00	12.30	6.08	3.55	2.26	1.54	1.36	
15	0.72	1.09	14.37	4.30	12.90	10.19	12.90	6.08	3.55	2.17	1.54	1.27	
16	0.37	1.63	16.25	3.43	12.90	13.30	14.37	6.08	3.55	2.17	1.81	1.27	
17	0.44	1.63	11.33	3.43	11.90	12.70	58.00	5.92	3.43	2.17	1.72	1.18	
18	0.58	1.63	10.95	4.80	11.14	10.95	34.44	5.92	3.43	2.08	1.81	1.09	
19	0.65	2.08	6.70	30.79	10.38	28.23	22.54	5.92	3.43	2.08	3.43	1.09	
20	0.72	1.09	5.61	48.00	9.68	26.88	16.02	5.77	3.30	2.08	2.62	1.72	
21	0.79	1.09	4.18	32.98	10.76	40.52	15.78	5.77	3.30	2.08	4.05	2.44	
22	0.79	1.09	3.55	30.06	10.76	48.00	13.90	5.77	3.30	1.99	2.26	2.08	
23	0.72	0.93	2.93	42.28	9.20	47.12	28.96	5.61	3.30	1.99	2.08	2.17	
24	0.72	0.93	2.80	30.42	9.04	41.84	25.95	5.61	3.18	1.99	1.81	2.35	
25	0.72	0.93	2.71	52.50	8.88	38.32	35.24	5.30	3.18	1.90	1.72	1.99	
26	0.58	1.00	2.53	68.70	8.72	37.00	15.08	4.93	3.18	1.90	1.63	1.54	
27	0.72	1.18	2.44	104.66	8.56	28.60	12.90	4.80	3.05	1.90	1.54	1.36	
28	0.44	1.18	2.26	186.90	8.25	21.30	11.90	4.68	3.05	1.90	1.54	1.27	
29	4.80	1.54	2.08	141.56	8.09	15.31	10.76	4.68	3.05	1.90		1.18	
30	5.92	1.54	1.99	78.17	7.94	14.14	10.19	4.55	3.05	1.81		1.18	
31		1.63		63.57	17.66		10.19		2.93	1.81		1.09	
Total	24.43	58.86	128.23	965.13	696.66	622.41	527.30	195.64	110.25	68.26	53.46	48.55	3499.18 CMSDAY
Mean	0.81	1.90	4.27	31.13	22.47	20.75	17.01	6.52	3.56	2.20	1.91	1.57	9.59 CMS
Max	5.92	4.55	16.25	186.90	73.26	48.00	58.00	9.36	4.30	2.71	4.05	2.44	186.90 CMS
Min	0.18	0.93	1.09	1.81	7.94	10.00	10.19	4.55	2.93	1.81	1.54	1.09	0.18 CMS
Runoff	2.11	5.09	11.08	83.39	60.19	53.78	45.56	16.90	9.53	5.90	4.62	4.19	302.33 MCM
Momentary Peak	217.90 CMS. at 72.03 m. (MSL.) at 06.00 Hours , on Jul 28, 2021												
Runoff Yield	20.53	Liters/Second/Square KM.			Momentary Peak Yield			466.60	Liters/Second/Square KM.				

WATER YEAR : 2021**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.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+54.200	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On right bank about 5 meters from the top staff gage.				Elevation	+70.630 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1983 to date					
Rating Operation						
Period of Rating	1989 to date					
Rated by 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 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	57.20	57.60	57.32	57.45	59.33	58.53	58.25	58.07	57.65	57.48	57.38	57.34	
2	57.19	57.50	57.32	57.46	59.31	58.77	58.27	58.05	57.64	57.48	57.37	57.34	
3	57.20	57.47	57.29	57.45	59.43	58.91	58.21	58.04	57.64	57.50	57.37	57.34	
4	57.21	57.49	57.31	57.42	59.66	58.81	58.16	57.99	57.63	57.51	57.36	57.33	
5	57.26	57.54	57.30	57.42	59.62	58.69	58.15	57.96	57.63	57.51	57.36	57.33	
6	57.27	57.53	57.29	57.40	60.40	58.52	58.28	57.94	57.62	57.51	57.39	57.37	
7	57.32	57.42	57.29	57.39	59.97	58.41	58.30	57.92	57.61	57.50	57.38	57.41	
8	57.52	57.37	57.31	57.40	59.35	58.37	58.23	57.96	57.61	57.45	57.38	57.41	
9	57.39	57.43	57.37	57.44	59.03	58.35	58.14	57.92	57.60	57.45	57.36	57.37	
10	57.30	57.42	57.44	57.48	58.85	58.30	58.12	57.88	57.58	57.45	57.36	57.38	
11	57.35	57.35	57.86	57.63	58.69	58.32	58.05	57.87	57.56	57.45	57.35	57.37	
12	57.32	57.32	57.93	57.62	58.56	58.35	58.03	57.84	57.54	57.44	57.35	57.35	
13	57.27	57.29	57.68	57.68	58.46	58.24	58.24	57.83	57.57	57.44	57.35	57.35	
14	57.38	57.29	57.77	57.56	58.41	58.19	58.09	57.83	57.60	57.43	57.35	57.33	
15	57.45	57.27	58.56	57.54	58.35	58.17	58.46	57.80	57.60	57.42	57.35	57.33	
16	57.33	57.27	58.64	57.53	58.40	58.41	58.53	57.80	57.59	57.41	57.35	57.32	
17	57.31	57.28	58.27	57.52	58.30	58.25	59.73	57.77	57.59	57.41	57.37	57.32	
18	57.33	57.28	58.14	57.66	58.22	58.25	59.09	57.77	57.58	57.41	57.42	57.34	
19	57.30	57.33	57.86	58.98	58.18	58.70	58.70	57.76	57.58	57.41	57.46	57.36	
20	57.28	57.31	57.73	60.01	58.11	58.44	58.49	57.75	57.57	57.41	57.44	57.38	
21	57.25	57.30	57.64	59.42	58.22	59.01	58.37	57.74	57.57	57.40	57.59	57.43	
22	57.24	57.28	57.59	59.34	58.15	59.45	58.31	57.74	57.56	57.40	57.44	57.46	
23	57.23	57.32	57.55	59.67	58.08	59.16	59.09	57.73	57.56	57.40	57.41	57.44	
24	57.23	57.30	57.54	59.56	58.08	58.80	58.77	57.72	57.55	57.40	57.37	57.49	
25	57.24	57.30	57.52	60.10	58.05	58.60	58.53	57.71	57.55	57.40	57.35	57.44	
26	57.22	57.30	57.50	60.16	58.08	58.65	58.40	57.70	57.55	57.40	57.35	57.38	
27	57.27	57.30	57.47	60.32	58.06	58.64	58.30	57.68	57.55	57.39	57.35	57.36	
28	57.34	57.35	57.45	61.53	58.01	58.52	58.23	57.68	57.54	57.39	57.35	57.35	
29	57.46	57.39	57.45	60.82	58.00	58.39	58.18	57.66	57.54	57.39		57.34	
30	57.77	57.39	57.44	60.07	58.01	58.31	58.14	57.66	57.50	57.38		57.34	
31		57.36		59.79	58.34		58.11		57.49	57.38		57.32	
Mean	57.31	57.37	57.63	58.54	58.64	58.55	58.39	57.83	57.58	57.43	57.38	57.37	
Max	57.77	57.60	58.64	61.53	60.40	59.45	59.73	58.07	57.65	57.51	57.59	57.49	61.53
Min	57.19	57.27	57.29	57.39	58.00	58.17	58.03	57.66	57.49	57.38	57.35	57.32	57.19
Annual Max Momentary Gage Height	62.25	m. (MSL.) ,		at 05.00 Hours , on Jul 28, 2021									
Zero Gage at Bottom Elevation	54.20	m. (MSL.) ,		River Bed		56.40	m. (MSL.)						
Left Bank Elevation	68.99	m. (MSL.) ,											
Right Bank Elevation	69.23	m. (MSL.) ,		Drainage Are		780	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.60	8.50	3.34	5.50	100.54	44.80	31.00	23.80	9.98	6.10	4.21	3.63	
2	1.52	6.50	3.34	5.70	98.98	59.20	31.80	23.00	9.68	6.10	4.07	3.63	
3	1.60	5.90	2.91	5.50	108.56	67.78	29.40	22.60	9.68	6.50	4.07	3.63	
4	1.75	6.30	3.20	4.90	128.20	61.60	27.40	20.67	9.39	6.70	3.92	3.49	
5	2.47	7.30	3.05	4.90	124.79	54.40	27.00	19.68	9.39	6.70	3.92	3.49	
6	2.62	7.10	2.91	4.50	196.60	44.20	32.20	19.02	9.09	6.70	4.36	4.07	
7	3.34	4.90	2.91	4.36	155.33	38.50	33.00	18.36	8.80	6.50	4.21	4.70	
8	6.90	4.07	3.20	4.50	102.10	36.50	30.20	19.68	8.80	5.50	4.21	4.70	
9	4.36	5.10	4.07	5.30	77.14	35.50	26.60	18.36	8.50	5.50	3.92	4.07	
10	3.05	4.90	5.30	6.10	64.00	33.00	25.80	17.04	8.10	5.50	3.92	4.21	
11	3.78	3.78	16.38	9.39	54.40	34.00	23.00	16.71	7.70	5.50	3.78	4.07	
12	3.34	3.34	18.69	9.09	46.60	35.50	22.20	15.72	7.30	5.30	3.78	3.78	
13	2.62	2.91	10.86	10.86	41.00	30.60	30.60	15.39	7.90	5.30	3.78	3.78	
14	4.21	2.91	13.52	7.70	38.50	28.60	24.60	15.39	8.50	5.10	3.78	3.49	
15	5.50	2.62	46.60	7.30	35.50	27.80	41.00	14.40	8.50	4.90	3.78	3.49	
16	3.49	2.62	51.40	7.10	38.00	38.50	44.80	14.40	8.30	4.70	3.78	3.34	
17	3.20	2.76	31.80	6.90	33.00	31.00	134.18	13.52	8.30	4.70	4.07	3.34	
18	3.49	2.76	26.60	10.27	29.80	31.00	81.82	13.52	8.10	4.70	4.90	3.63	
19	3.05	3.49	16.38	73.24	28.20	55.00	55.00	13.22	8.10	4.70	5.70	3.92	
20	2.76	3.20	12.34	159.12	25.40	40.00	42.50	12.93	7.90	4.70	5.30	4.21	
21	2.33	3.05	9.68	107.71	29.80	75.58	36.50	12.63	7.90	4.50	8.30	5.10	
22	2.18	2.76	8.30	101.32	27.00	110.27	33.50	12.63	7.70	4.50	5.30	5.70	
23	2.04	3.34	7.50	129.06	24.20	87.28	81.82	12.34	7.70	4.50	4.70	5.30	
24	2.04	3.05	7.30	119.66	24.20	61.00	59.20	12.04	7.50	4.50	4.07	6.30	
25	2.18	3.05	6.90	167.65	23.00	49.00	44.80	11.75	7.50	4.50	3.78	5.30	
26	1.89	3.05	6.50	173.34	24.20	52.00	38.00	11.45	7.50	4.50	3.78	4.21	
27	2.62	3.05	5.90	188.60	23.40	51.40	33.00	10.86	7.50	4.36	3.78	3.92	
28	3.63	3.78	5.50	329.41	21.40	44.20	30.20	10.86	7.30	4.36	3.78	3.78	
29	5.70	4.36	5.50	240.80	21.00	37.50	28.20	10.27	7.30	4.36		3.63	
30	13.52	4.36	5.30	164.81	21.40	33.50	26.60	10.27	6.50	4.21		3.63	
31		3.92		139.31	35.00		25.40		6.30	4.21		3.34	
Total	102.78	128.73	347.18	2213.90	1801.24	142							

WATER YEAR : 2021**MAE KLONG RIVER BASIN****Huai Bong Ti at Ban Bong Ti , Kanchanaburi (K.32A)**

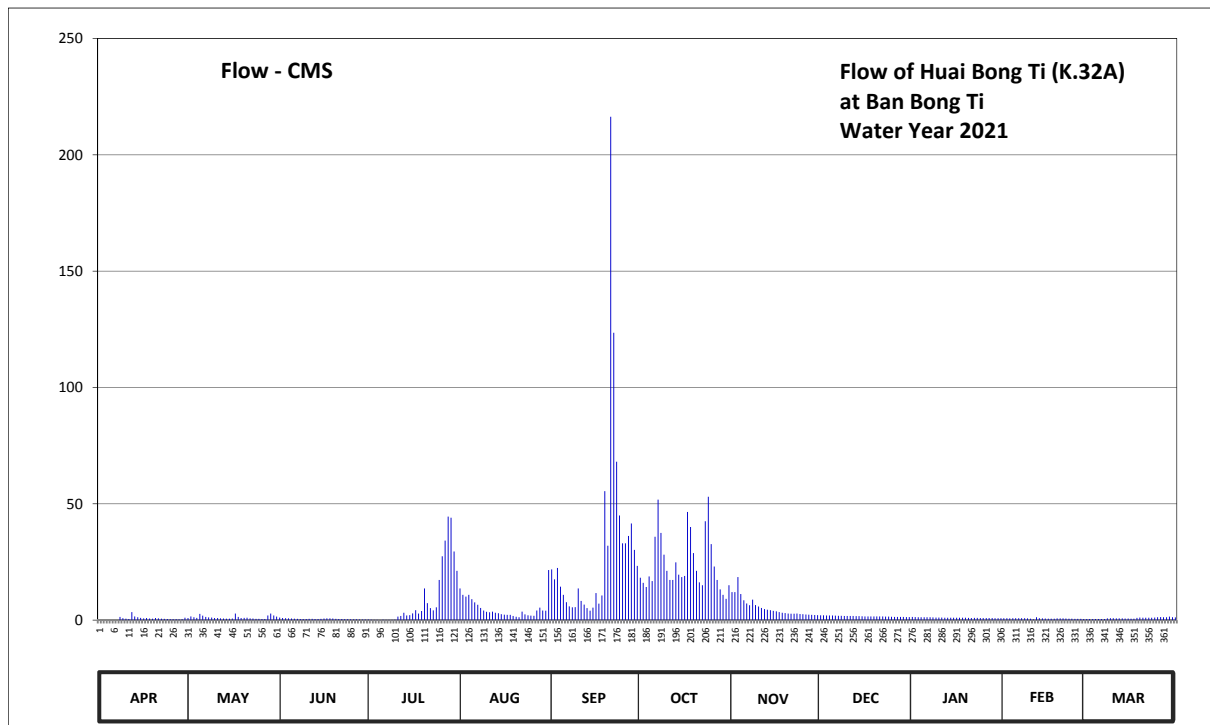
Lat 14 - 16 - 34 N Long 98 - 55 - 52 E

Location : on right bank at Ban Bong Ti.

	Ban Bong Ti	Amphoe Sai Yok	Changwat Kanchanaburi
Drainage Area	520 sq.km.		
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	Stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 28 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	84.70	84.99	85.04	84.78	86.33	86.66	86.53	86.25	85.23	85.09	84.97	84.86	
2	84.69	85.14	85.00	84.76	86.19	86.50	86.44	86.25	85.23	85.08	84.97	84.86	
3	84.69	85.06	84.97	84.75	86.14	86.68	86.36	86.54	85.22	85.07	84.96	84.85	
4	84.69	85.01	84.94	84.74	86.19	86.37	86.55	86.21	85.22	85.07	84.97	84.85	
5	84.69	85.34	84.92	84.73	86.06	86.19	86.47	86.03	85.21	85.07	84.97	84.85	
6	84.69	85.20	84.90	84.76	85.95	85.96	87.07	85.90	85.20	85.07	84.97	84.85	
7	84.69	85.10	84.88	84.74	85.84	85.77	87.38	85.82	85.19	85.06	84.97	84.85	
8	85.10	85.05	84.87	84.74	85.69	85.72	87.11	86.05	85.19	85.05	84.97	84.94	
9	84.97	85.04	84.86	84.75	85.56	85.73	86.86	85.83	85.18	85.04	84.96	84.97	
10	84.91	85.00	84.86	84.77	85.48	86.33	86.64	85.76	85.17	85.04	84.91	84.97	
11	84.87	85.00	84.88	85.12	85.45	86.01	86.49	85.69	85.17	85.04	84.82	84.96	
12	85.46	84.96	84.88	85.17	85.49	85.85	86.49	85.64	85.17	85.03	85.07	84.95	
13	85.13	84.93	84.87	85.42	85.42	85.68	86.76	85.61	85.16	85.03	84.98	84.95	
14	85.06	84.90	84.86	85.22	85.39	85.55	86.58	85.58	85.16	85.03	84.95	84.93	
15	85.01	84.91	84.89	85.24	85.31	85.71	86.54	85.54	85.15	85.03	84.93	84.92	
16	84.96	84.93	84.93	85.38	85.28	86.23	86.59	85.51	85.14	85.03	84.91	84.91	
17	85.00	85.37	84.95	85.58	85.27	85.89	87.46	85.46	85.14	85.03	84.91	84.91	
18	84.93	85.09	84.94	85.36	85.26	86.17	87.33	85.42	85.13	85.03	84.91	85.01	
19	84.91	85.00	84.92	85.53	85.17	87.44	87.05	85.40	85.13	85.02	84.94	85.04	
20	84.99	85.01	84.89	86.33	85.11	86.97	86.81	85.36	85.13	85.01	84.96	85.03	
21	84.94	85.02	84.87	85.91	85.07	88.89	86.62	85.35	85.13	85.00	84.94	85.02	
22	84.90	84.96	84.85	85.68	85.49	88.22	86.57	85.35	85.13	85.01	84.93	85.02	
23	84.88	84.92	84.84	85.57	85.30	87.63	87.38	85.37	85.12	85.01	84.91	85.03	
24	84.86	84.89	84.83	85.72	85.23	87.26	87.57	85.33	85.12	85.00	84.90	85.04	
25	84.84	84.88	84.82	86.49	85.20	87.00	87.16	85.31	85.11	85.00	84.89	85.06	
26	84.84	84.86	84.81	86.84	85.19	87.00	86.87	85.29	85.10	85.00	84.88	85.08	
27	84.83	84.85	84.81	87.03	85.56	87.08	86.66	85.28	85.10	84.99	84.88	85.06	
28	84.82	85.21	84.80	87.25	85.71	87.19	86.48	85.27	85.09	84.99	84.87	85.07	
29	84.84	85.37	84.79	87.24	85.56	86.92	86.36	85.25	85.09	84.98		85.12	
30	85.03	85.22	84.79	86.90	85.55	86.71	86.24	85.24	85.08	84.98		85.07	
31		85.12		86.64	86.65		86.55		85.08	84.97		85.05	
Mean	84.90	85.04	84.88	85.59	85.58	86.58	86.77	85.63	85.15	85.03	84.94	84.97	
Max	85.46	85.37	85.04	87.25	86.65	88.89	87.57	86.54	85.23	85.09	85.07	85.12	88.89
Min	84.69	84.85	84.79	84.73	85.07	85.55	86.24	85.24	85.08	84.97	84.82	84.85	84.69
Annual Max Momentary Gage Height	89.77		m. (MSL.) ,				at 06.00 Hours , on Sep 21, 2021						
Zero Gage at Bottom Elevation	84.20		m. (MSL.) ,			River Bed	84.86	m. (MSL.)					
Left Bank Elevation		90.29	m. (MSL.) ,										
Right Bank Elevation		90.17	m. (MSL.) ,			Drainage Are	520	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.87	1.10	0.24	13.60	21.80	18.25	12.00	2.07	1.35	0.81	0.48	
2	0.00	1.60	0.90	0.18	10.86	17.50	16.00	12.00	2.07	1.30	0.81	0.48	
3	0.00	1.20	0.81	0.15	10.13	22.40	14.20	18.50	2.01	1.25	0.78	0.45	
4	0.00	0.95	0.72	0.12	10.86	14.40	18.75	11.20	2.01	1.25	0.81	0.45	
5	0.00	2.67	0.66	0.09	8.97	10.86	16.75	8.54	1.96	1.25	0.81	0.45	
6	0.00	1.90	0.60	0.18	7.63	7.72	35.80	7.15	1.90	1.25	0.81	0.45	
7	0.00	1.40	0.54	0.12	6.58	5.93	51.80	6.39	1.85	1.20	0.81	0.45	
8	1.40	1.15	0.51	0.12	5.21	5.48	37.50	8.83	1.85	1.15	0.81	0.72	
9	0.81	1.10	0.48	0.15	4.12	5.57	28.10	6.49	1.80	1.10	0.78	0.81	
10	0.63	0.90	0.48	0.21	3.56	13.60	21.20	5.84	1.75	1.10	0.63	0.81	
11	0.51	0.90	0.54	1.50	3.35	8.25	17.25	5.21	1.75	1.10	0.36	0.78	
12	3.42	0.78	0.54	1.75	3.63	6.68	17.25	4.76	1.75	1.05	1.25	0.75	
13	1.55	0.69	0.51	3.14	3.14	5.12	24.80	4.49	1.70	1.05	0.84	0.75	
14	1.20	0.60	0.48	2.01	2.95	4.05	19.50	4.26	1.70	1.05	0.75	0.69	
15	0.95	0.63	0.57	2.12	2.51	5.39	18.50	3.98	1.65	1.05	0.69	0.66	
16	0.78	0.69	0.69	2.89	2.34	11.60	19.00	3.77	1.60	1.05	0.63	0.63	
17	0.90	2.84	0.75	4.26	2.29	7.06	46.50	3.42	1.60	1.05	0.63	0.63	
18	0.69	1.35	0.72	2.78	2.23	10.57	40.00	3.14	1.55	1.05	0.63	0.95	
19	0.63	0.90	0.66	3.91	1.75	55.40	28.80	3.00	1.55	1.00	0.72	1.10	
20	0.87	0.95	0.57	13.60	1.45	31.95	21.20	2.78	1.55	0.95	0.78	1.05	
21	0.72	1.00	0.51	7.25	1.25	216.31	16.25	2.73	1.55	0.90	0.72	1.00	
22	0.60	0.78	0.45	5.12	3.63	123.50	15.00	2.73	1.55	0.95	0.69	1.00	
23	0.54	0.66	0.42	4.19	2.45	68.04	42.50	2.84	1.50	0.95	0.63	1.05	
24	0.48	0.57	0.39	5.48	2.07	45.00	53.00	2.62	1.50	0.90	0.60	1.10	
25	0.42	0.54	0.36	17.25	1.90	33.00	32.65	2.51	1.45	0.90	0.57	1.20	
26	0.42	0.48	0.33	27.40	1.85	33.00	23.00	2.40	1.40	0.90	0.54	1.30	
27	0.39	0.45	0.33	34.20	4.12	36.20	17.25	2.34	1.40	0.87	0.54	1.20	
28	0.36	1.96	0.30	44.50	5.39	41.50	13.20	2.29	1.35	0.87	0.51	1.25	
29	0.42	2.84	0.27	44.00	4.12	30.20	10.86	2.18	1.35	0.84		1.50	
30	1.05	2.01	0.27	29.50	4.05	23.30	9.12	2.12	1.30	0.84		1.25	
31		1.50		21.20	21.50		15.00		1.30	0.81		1.15	
Total	19.74	36.86	16.46	279.61	159.49	921.38	758.98	160.51	51.32	32.33	19.94	26.54	2483.16 CMSDAY
Mean	0.66	1.19	0.55	9.02	5.14	30.71	24.48	5.35	1.66	1.04	0.71	0.86	6.80 CMS
Max	3.42	2.84	1.10	44.50	21.50	216.31	53.00	18.50	2.07	1.35	1.25	1.50	216.31 CMS
Min	0.00	0.45	0.27	0.09	1.25	4.05	9.12	2.12	1.30	0.81	0.36	0.45	0.00 CMS
Runoff	1.71	3.18	1.42	24.16	13.78	79.61	65.58	13.87	4.43	2.79	1.72	2.29	214.55 MCM
Momentary Peak	404.85 CMS. at 89.77 m. (MSL.) at 06.00 Hours , on Sep 21, 2021												
Runoff Yield	13.08	Liters/Second/Square KM.			Momentary Peak Yield		778.56	Liters/Second/Square KM.					

WATER YEAR : 2021

MAE KLONG RIVER BASIN

Khwaie Yai River at Ban Nong Bua , Kanchanaburi (K.35A)

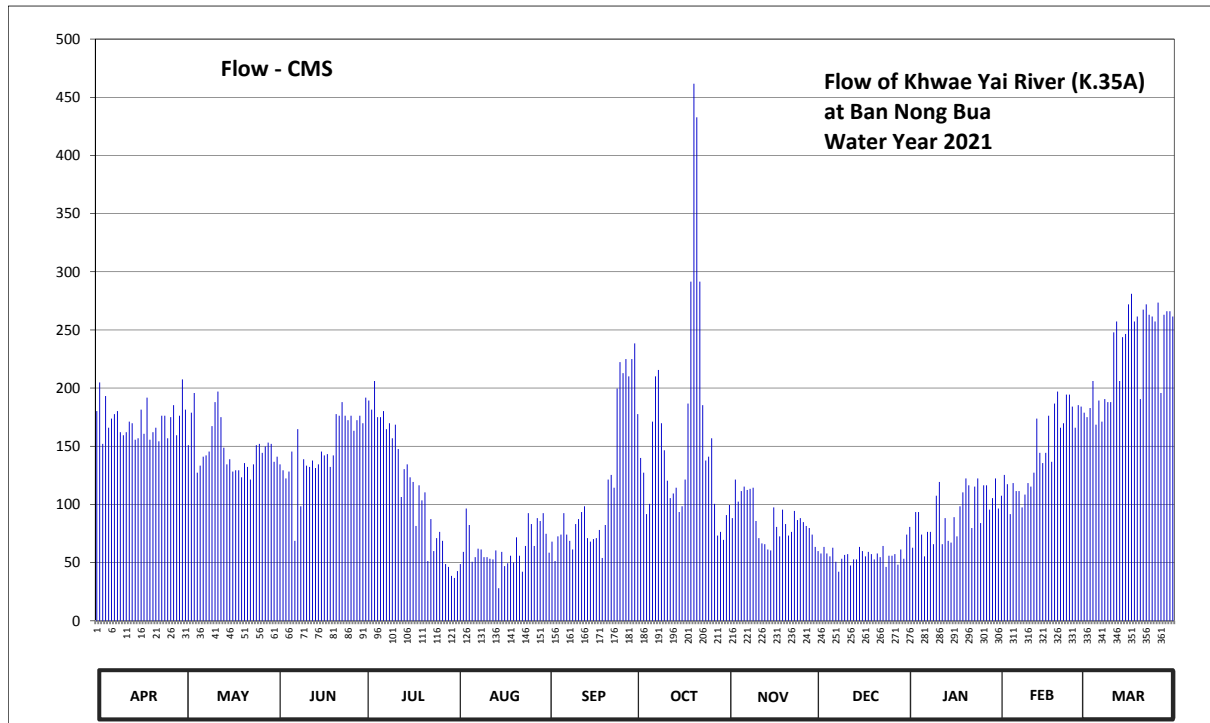
Lat 14 - 03 - 31 N Long 99 - 26 - 43 E

Location : on left bank at Ban Nong Bua.

	Ban Nong Bua	Amphoe Mueang	Changwat Kanchanaburi
Drainge 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 31 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	25.30	25.31	24.98	25.39	23.82	24.07	25.28	24.57	24.09	24.36	24.65	25.29	
2	25.49	25.07	24.92	25.37	23.92	24.20	24.97	24.45	24.06	24.13	24.83	25.26	
3	25.08	25.29	24.87	25.31	24.08	23.96	24.85	24.79	24.14	24.51	24.75	25.32	
4	25.40	25.42	24.80	25.50	24.54	24.26	24.49	24.60	24.06	24.51	24.49	25.50	
5	25.19	24.85	24.86	25.26	24.38	24.28	24.58	24.69	24.02	24.28	24.76	25.21	
6	25.25	24.91	25.02	25.26	23.95	24.50	25.23	24.73	24.13	24.02	24.69	25.37	
7	25.28	24.98	24.21	25.30	24.01	24.28	25.53	24.70	23.95	24.31	24.69	25.23	
8	25.30	24.99	25.18	25.18	24.12	24.21	25.57	24.71	23.81	24.31	24.55	25.38	
9	25.16	25.02	24.56	25.22	24.11	24.11	25.22	24.72	23.99	24.17	24.66	25.36	
10	25.14	25.20	24.96	25.12	24.01	24.39	25.03	24.42	24.04	24.65	24.76	25.36	
11	25.16	25.36	24.91	25.21	24.01	24.44	24.78	24.24	24.05	24.77	24.73	25.81	
12	25.23	25.43	24.90	25.04	23.99	24.51	24.63	24.18	23.90	24.17	24.85	25.88	
13	25.22	25.26	24.95	24.64	23.98	24.56	24.67	24.17	23.98	24.45	25.25	25.50	
14	25.11	25.05	24.89	24.88	24.10	24.24	24.72	24.11	23.98	24.21	25.01	25.78	
15	25.12	24.92	24.92	24.92	23.55	24.20	24.51	24.10	24.14	24.19	24.93	25.80	
16	25.31	24.96	25.02	24.81	24.08	24.23	24.56	24.55	24.09	24.46	25.01	25.98	
17	25.15	24.86	24.99	24.77	23.89	24.24	24.79	24.36	24.02	24.26	25.27	26.04	
18	25.39	24.87	25.00	24.37	23.93	24.33	25.35	24.26	24.08	24.56	24.94	25.88	
19	25.11	24.87	24.90	24.74	24.03	24.00	26.11	24.53	24.05	24.68	25.35	25.91	
20	25.16	24.81	24.99	24.61	23.94	24.38	27.12	24.39	23.98	24.80	25.43	25.38	
21	25.19	24.93	25.28	24.68	24.25	24.79	26.96	24.27	24.06	24.74	25.19	25.95	
22	25.10	24.90	25.27	23.96	24.03	24.83	26.11	24.31	24.01	24.35	25.22	25.98	
23	25.27	24.79	25.36	24.44	23.81	24.72	25.34	24.52	24.15	24.73	25.41	25.92	
24	25.27	24.92	25.27	24.09	24.15	25.45	24.95	24.43	23.88	24.80	25.41	25.91	
25	25.12	25.07	25.24	24.24	24.50	25.62	24.98	24.45	24.03	24.40	25.33	25.88	
26	25.26	25.08	25.27	24.31	24.39	25.55	25.12	24.41	24.03	24.74	25.19	25.99	
27	25.34	25.01	25.17	24.21	24.15	25.64	24.58	24.37	24.05	24.74	25.34	25.42	
28	25.14	25.06	25.24	23.92	24.45	25.53	24.27	24.35	23.91	24.53	25.33	25.92	
29	25.27	25.09	25.27	23.88	24.42	25.64	24.31	24.28	24.11	24.63		25.94	
30	25.51	25.08	25.22	23.75	24.50	25.74	24.22	24.14	23.99	24.80		25.94	
31		24.94		23.72	24.29		24.48		24.28	24.54		25.91	
Mean	25.23	25.04	25.01	24.71	24.11	24.63	25.07	24.43	24.03	24.48	25.00	25.68	
Max	25.51	25.43	25.36	25.50	24.54	25.74	27.12	24.79	24.28	24.80	25.43	26.04	27.12
Min	25.08	24.79	24.21	23.72	23.55	23.96	24.22	24.10	23.81	24.02	24.49	25.21	23.55
Annual Max Momentary Gage Height	27.24		m. (MSL.) ,				at 19.00 Hours , on Oct 20, 2021						
Zero Gage at Bottom Elevation	21.50		m. (MSL.) ,			River Bed	22.40	m. (MSL.)					
Left Bank Elevation		31.13	m. (MSL.) ,										
Right Bank Elevation		30.84	m. (MSL.) ,			Drainage Are	14,458	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	180.20	181.50	141.10	191.86	42.74	58.55	177.61	99.47	59.85	80.60	107.43	178.91	
2	204.81	151.00	134.50	189.27	48.80	68.00	140.00	88.25	57.90	62.75	125.34	175.02	
3	152.10	178.91	129.32	181.50	59.20	51.40	127.33	121.36	63.50	93.50	117.38	182.79	
4	193.15	195.74	122.35	206.10	96.48	72.50	91.65	102.45	57.90	93.50	91.65	206.10	
5	165.96	127.33	128.32	175.02	82.30	74.00	100.46	111.41	55.30	74.00	118.37	168.55	
6	173.73	133.40	145.50	175.02	50.75	92.50	171.14	115.39	62.75	55.30	111.41	189.27	
7	177.61	141.10	68.75	180.20	54.65	74.00	210.14	112.40	50.75	76.35	111.41	171.14	
8	180.20	142.20	164.66	164.66	62.00	68.75	215.53	113.40	42.15	76.35	97.48	190.56	
9	162.07	145.50	98.47	169.84	61.25	61.25	169.84	114.39	53.35	65.75	108.42	187.97	
10	159.48	167.25	138.90	156.89	54.65	83.15	146.60	85.70	56.60	107.43	118.37	187.97	
11	162.07	187.97	133.40	168.55	54.65	87.40	120.36	71.00	57.25	119.37	115.39	247.87	
12	171.14	197.04	132.30	147.70	53.35	93.50	105.44	66.50	47.50	65.75	127.33	257.31	
13	169.84	175.02	137.80	106.43	52.70	98.47	109.42	65.75	52.70	88.25	173.73	206.10	
14	155.60	148.80	131.31	130.31	60.50	71.00	114.39	61.25	52.70	68.75	144.40	243.83	
15	156.89	134.50	134.50	134.50	28.05	68.00	93.50	60.50	63.50	67.25	135.60	246.53	
16	181.50	138.90	145.50	123.35	59.20	70.25	98.47	97.48	59.85	89.10	144.40	272.00	
17	160.78	128.32	142.20	119.37	46.91	71.00	121.36	80.60	55.30	72.50	176.32	281.00	
18	191.86	129.32	143.30	81.45	49.45	78.05	186.68	72.50	59.20	98.47	136.70	257.31	
19	155.60	129.32	132.30	116.38	55.95	54.00	291.50	95.49	57.25	110.41	186.68	261.50	
20	162.07	123.35	142.20	103.45	50.10	82.30	461.60	83.15	52.70	122.35	197.04	190.56	
21	165.96	135.60	177.61	110.41	71.75	121.36	432.80	73.25	57.90	116.38	165.96	267.50	
22	154.30	132.30	176.32	51.40	55.95	125.34	291.50	76.35	54.65	79.75	169.84	272.00	
23	176.32	121.36	187.97	87.40	42.15	114.39	185.38	94.49	64.25	115.39	194.45	263.00	
24	176.32	134.50	176.32	59.85	64.25	199.63	137.80	86.55	46.31	122.35	194.45	261.50	
25	156.89	151.00	172.43	71.00	92.50	222.27	141.10	88.25	55.95	84.00	184.09	257.31	
26	175.02	152.10	176.32	76.35	83.15	212.84	156.89	84.85	55.95	116.38	165.96	273.50	
27	185.38	144.40	163.37	68.75	64.25	224.97	100.46	81.45	57.25	116.38	185.38	195.74	
28	159.48	149.90	172.43	48.80	88.25	210.14	73.25	79.75	48.15	95.49	184.09	263.00	
29	176.32	153.20	176.32	46.31	85.70	224.97	76.35	74.00	61.25	105.44		266.00	
30	207.45	152.10	169.84	38.58	92.50	238.44	69.50	63.50	53.35	122.35		266.00	
31		136.7		36.79	74.75		90.80		74.00	96.48		261.50	
<hr/>													
Total	5150.10	4619.63	4395.61	3717.49	1938.88	3372.42	5008.85	2620.88	1747.01	2858.12	4089.07	7149.34	46667.40 CMSDAY
Mean	171.67	149.02	146.52	119.92	62.54	112.41	161.58	87.36	56.36	92.20	146.04	230.62	127.86 CMS
Max	207.45	197.04	187.97	206.10	96.48	238.44	461.60	121.36	74.00	122.35	197.04	281.00	461.60 CMS
Min	152.10	121.36	68.75	36.79	28.05	51.40	69.50	60.50	42.15	55.30	91.65	168.55	28.05 CMS
Runoff	444.97	399.14	379.78	321.19	167.52	291.38	432.76	226.44	150.94	246.94	353.30	617.70	4032.06 MCM
Momentary Peak	483.20 CMS. at 27.24 m. (MSL.) at 19.00 Hours , on Oct 20, 2021												
Runoff Yield	8.84	Liters/Second/Square KM.			Momentary Peak Yield			33.42	Liters/Second/Square KM.				

WATER YEAR : 2021

MAE KLONG RIVER BASIN

Khwaeng Noi River at Ban Wang Yen , Kanchanaburi (K.37)

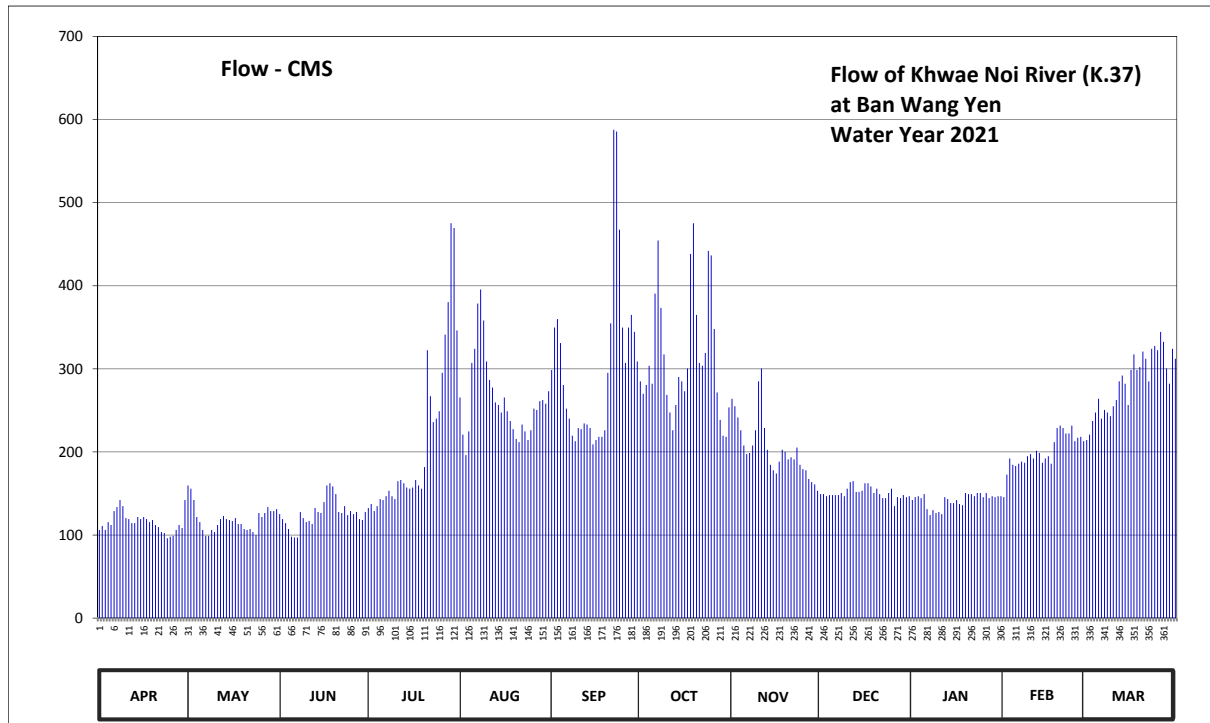
Lat 13 - 56 - 24 N Long 99 - 24 - 58 E

Location : on left bank at Ban Wang Yen.

	Ban Wang Yen	Amphoe Mueang	Changwat Kanchanaburi
Drainage Area	10,659 sq.km.		
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 29 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	23.25	23.69	23.41	23.47	24.47	24.68	24.60	24.46	23.61	23.55	23.58	24.11	
2	23.29	23.66	23.36	23.51	24.16	24.98	24.50	24.40	23.61	23.58	23.79	24.16	
3	23.25	23.55	23.32	23.44	23.97	25.04	24.57	24.31	23.59	23.59	23.94	24.28	
4	23.33	23.38	23.26	23.49	24.19	24.87	24.71	24.20	23.60	23.57	23.88	24.35	
5	23.30	23.33	23.18	23.56	24.73	24.57	24.58	24.06	23.60	23.61	23.87	24.46	
6	23.44	23.25	23.17	23.55	24.83	24.38	25.22	23.98	23.60	23.46	23.89	24.30	
7	23.48	23.19	23.17	23.59	25.15	24.30	25.58	23.99	23.60	23.40	23.91	24.37	
8	23.55	23.19	23.43	23.64	25.25	24.15	25.12	24.06	23.62	23.45	23.90	24.35	
9	23.49	23.25	23.37	23.59	25.03	24.10	24.79	24.20	23.59	23.42	23.96	24.32	
10	23.37	23.23	23.33	23.56	24.74	24.22	24.49	24.60	23.66	23.43	23.98	24.40	
11	23.36	23.30	23.34	23.73	24.61	24.21	24.35	24.69	23.72	23.41	23.94	24.45	
12	23.32	23.36	23.31	23.74	24.55	24.26	24.20	24.22	23.73	23.58	24.01	24.60	
13	23.32	23.39	23.47	23.71	24.43	24.25	24.41	24.02	23.63	23.56	23.99	24.64	
14	23.38	23.36	23.43	23.67	24.41	24.22	24.63	23.88	23.63	23.52	23.90	24.58	
15	23.36	23.35	23.42	23.66	24.35	24.07	24.60	23.83	23.64	23.52	23.94	24.41	
16	23.38	23.34	23.53	23.67	24.47	24.11	24.52	23.80	23.71	23.55	23.96	24.68	
17	23.36	23.37	23.69	23.74	24.36	24.14	24.69	23.91	23.71	23.51	23.89	24.79	
18	23.33	23.31	23.71	23.69	24.28	24.14	25.49	24.02	23.68	23.50	24.09	24.68	
19	23.35	23.31	23.68	23.66	24.21	24.20	25.69	24.00	23.62	23.62	24.22	24.70	
20	23.30	23.26	23.61	23.86	24.12	24.66	25.07	23.93	23.66	23.61	24.24	24.81	
21	23.28	23.25	23.43	24.82	24.09	25.01	24.73	23.95	23.61	23.61	24.22	24.76	
22	23.23	23.26	23.42	24.48	24.25	26.26	24.71	23.93	23.57	23.59	24.17	24.60	
23	23.22	23.23	23.49	24.27	24.19	26.25	24.80	24.04	23.57	23.62	24.17	24.83	
24	23.16	23.20	23.40	24.30	24.11	25.65	25.51	23.88	23.62	23.62	24.24	24.85	
25	23.18	23.42	23.44	24.36	24.20	24.98	25.48	23.84	23.66	23.58	24.10	24.82	
26	23.19	23.38	23.41	24.66	24.38	24.73	24.97	23.83	23.49	23.62	24.13	24.95	
27	23.25	23.42	23.43	24.93	24.37	24.98	24.51	23.75	23.58	23.57	24.14	24.88	
28	23.30	23.48	23.36	25.16	24.44	25.07	24.29	23.72	23.57	23.59	24.10	24.69	
29	23.27	23.44	23.35	25.69	24.45	24.95	24.15	23.70	23.60	23.58		24.58	
30	23.55	23.44	23.43	25.66	24.42	24.74	24.14	23.64	23.58	23.59		24.83	
31		23.46		24.96	24.52		24.39		23.59	23.59		24.76	
Mean	23.33	23.36	23.41	24.06	24.44	24.67	24.76	24.03	23.62	23.55	24.01	24.58	
Max	23.55	23.69	23.71	25.69	25.25	26.26	25.69	24.69	23.73	23.62	24.24	24.95	26.26
Min	23.16	23.19	23.17	23.44	23.97	24.07	24.14	23.64	23.49	23.40	23.58	24.11	23.16
Annual Max Momentary Gage Height	26.41		m. (MSL.) ,			at 03.00 Hours , on Sep 23, 2021							
Zero Gage at Bottom Elevation	19.80		m. (MSL.) ,			River Bed	18.33	m. (MSL.)					
Left Bank Elevation	32.43		m. (MSL.) ,										
Right Bank Elevation	32.22		m. (MSL.) ,			Drainage Are	10,659	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	106.00	159.70	125.20	132.40	265.50	298.60	285.00	264.00	149.30	142.00	145.60	214.30		
2	110.80	155.80	119.20	137.20	220.80	349.60	270.00	255.00	149.30	145.60	172.70	220.80		
3	106.00	142.00	114.40	128.80	196.10	359.80	280.50	241.50	146.80	146.80	192.20	237.20		
4	115.60	121.60	107.20	134.80	224.70	330.90	303.70	226.00	148.00	144.40	184.40	247.50		
5	112.00	115.60	98.00	143.20	307.10	280.50	282.00	207.80	148.00	149.30	183.10	264.00		
6	128.80	106.00	97.00	142.00	324.10	252.00	390.40	197.40	148.00	131.20	185.70	240.00		
7	133.60	99.00	97.00	146.80	378.50	240.00	454.40	198.70	148.00	124.00	188.30	250.50		
8	142.00	99.00	127.60	153.20	395.50	219.50	373.40	207.80	150.60	130.00	187.00	247.50		
9	134.80	106.00	120.40	146.80	358.10	213.00	317.30	226.00	146.80	126.40	194.80	243.00		
10	120.40	103.60	115.60	143.20	308.80	228.80	268.50	285.00	155.80	127.60	197.40	255.00		
11	119.20	112.00	116.80	164.90	286.70	227.40	247.50	300.30	163.60	125.20	192.20	262.50		
12	114.40	119.20	113.20	166.20	277.50	234.40	226.00	228.80	164.90	145.60	201.30	285.00		
13	114.40	122.80	132.40	162.30	259.50	233.00	256.50	202.60	151.90	143.20	198.70	291.80		
14	121.60	119.20	127.60	157.10	256.50	228.80	290.10	184.40	151.90	138.40	187.00	282.00		
15	119.20	118.00	126.40	155.80	247.50	209.10	285.00	177.90	153.20	138.40	192.20	256.50		
16	121.60	116.80	139.60	157.10	265.50	214.30	273.00	174.00	162.30	142.00	194.80	298.60		
17	119.20	120.40	159.70	166.20	249.00	218.20	300.30	188.30	162.30	137.20	185.70	317.30		
18	115.60	113.20	162.30	159.70	237.20	218.20	438.20	202.60	158.40	136.00	211.70	298.60		
19	118.00	113.20	158.40	155.80	227.40	226.00	475.10	200.00	150.60	150.60	228.80	302.00		
20	112.00	107.20	149.30	181.80	215.60	295.20	364.90	190.90	155.80	149.30	231.60	320.70		
21	109.60	106.00	127.60	322.40	211.70	354.70	307.10	193.50	149.30	149.30	228.80	312.20		
22	103.60	107.20	126.40	267.00	233.00	587.60	303.70	190.90	144.40	146.80	222.10	285.00		
23	102.40	103.60	134.80	235.80	224.70	585.50	319.00	205.20	144.40	150.60	222.10	324.10		
24	96.00	100.00	124.00	240.00	214.30	467.50	441.80	184.40	150.60	150.60	231.60	327.50		
25	98.00	126.40	128.80	249.00	226.00	349.60	436.40	179.20	155.80	145.60	213.00	322.40		
26	99.00	121.60	125.20	295.20	252.00	307.10	347.90	177.90	134.80	150.60	216.90	344.50		
27	106.00	126.40	127.60	341.10	250.50	349.60	271.50	167.50	145.60	144.40	218.20	332.60		
28	112.00	133.60	119.20	380.20	261.00	364.90	238.60	163.60	144.40	146.80	213.00	300.30		
29	108.40	128.80	118.00	475.10	262.50	344.50	219.50	161.00	148.00	145.60		282.00		
30	142.00	128.80	127.60	469.40	258.00	308.80	218.20	153.20	145.60	146.80		324.10		
31		131.20		346.20	273.00		253.50		146.80	146.80		312.20		
Total	3462.20	3683.90	3766.50	6656.70	8168.30	9097.10	9739.00	6135.40	4675.20	4397.10	5620.90	8801.70	74204.00	CMSDAY
Mean	115.41	118.84	125.55	214.73	263.49	303.24	314.16	204.51	150.81	141.84	200.75	283.93	203.30	CMS
Max	142.00	159.70	162.30	475.10	395.50	587.60	475.10	300.30	164.90	150.60	231.60	344.50	587.60	CMS
Min	96.00	99.00	97.00	128.80	196.10	209.10	218.20	153.20	134.80	124.00	145.60	214.30	96.00	CMS
Runoff	299.13	318.29	325.43	575.14	705.74	785.99	841.45	530.10	403.94	379.91	485.65	760.47	6411.23	MCM
Momentary Peak	620.30	CMS.	at 26.41 m. (MSL.) at 03.00 Hours , on Sep 23, 2021											
Runoff Yield	19.07	Liters/Second/Square KM.			Momentary Peak Yield			58.19	Liters/Second/Square KM.					

WATER YEAR : 2021**MAE KLONG RIVER BASIN****Huai Lin Thin at Ban Nong Bang , Kanchanaburi (K.38A)**

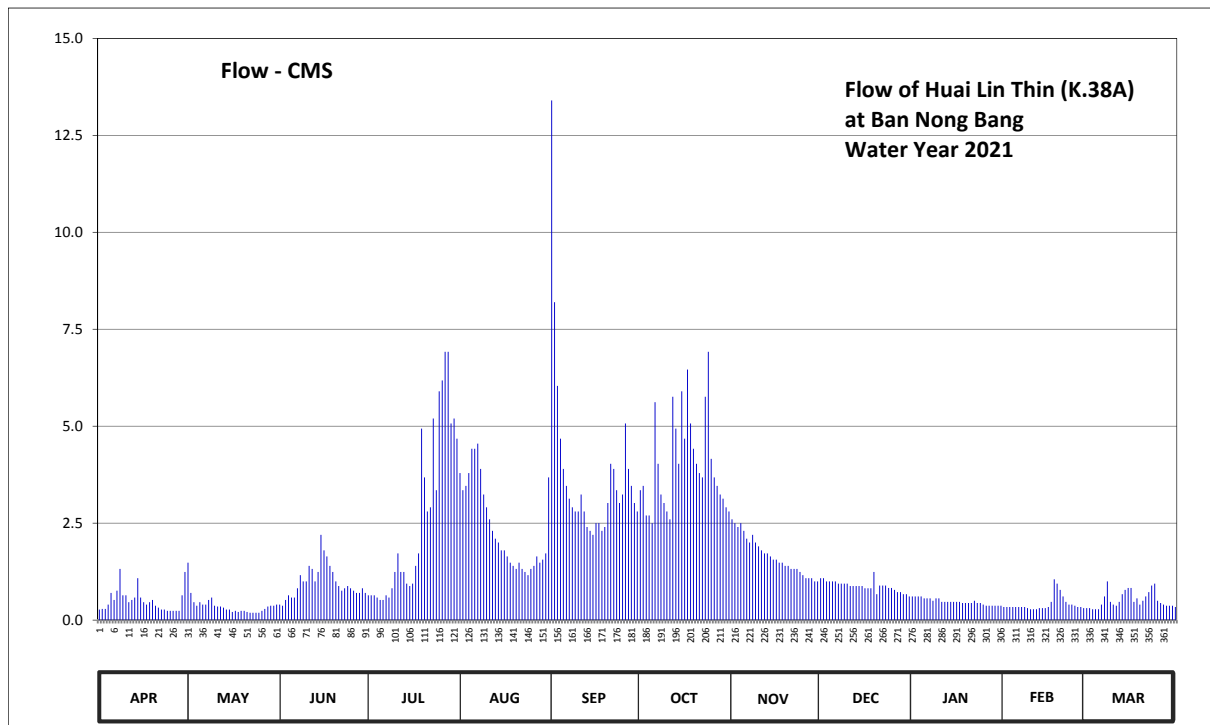
Lat 14 - 34 - 26 N Long 98 - 48 - 55 E

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.				
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	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 22 discharge measurements made in 2021.					

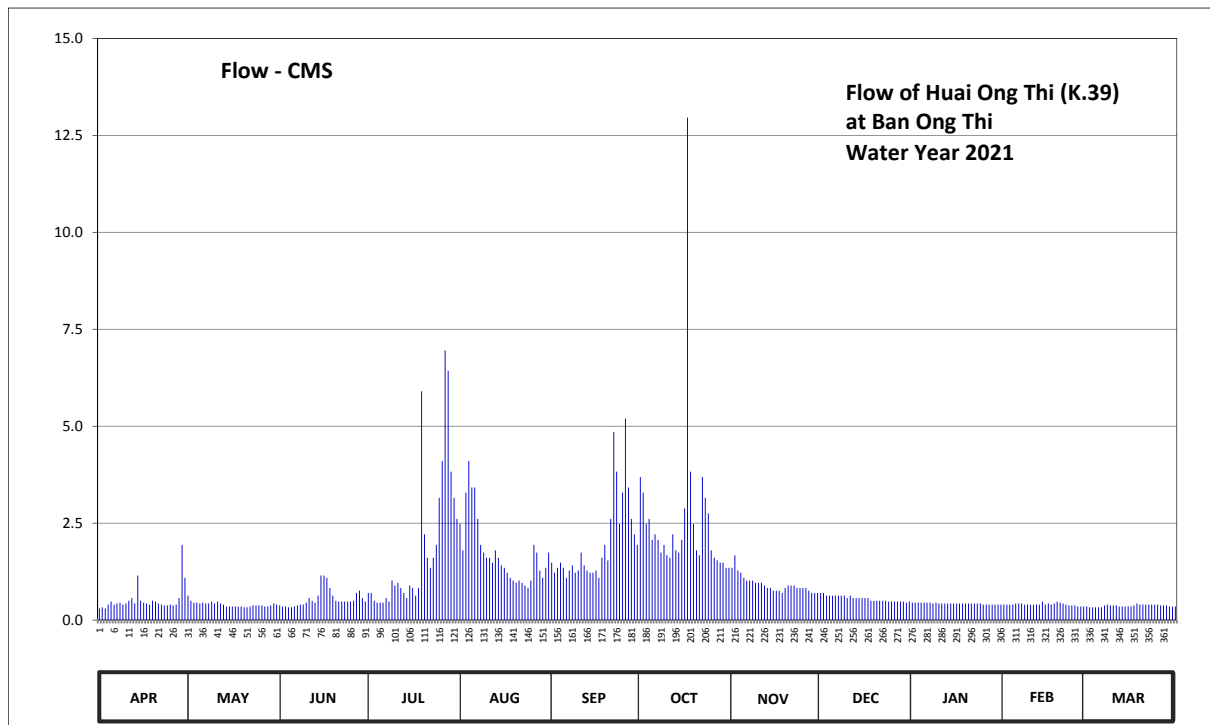
Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	90.55	90.76	90.60	90.64	90.99	91.57	90.95	90.88	90.71	90.82	90.75	90.74	
2	90.56	90.65	90.59	90.64	90.95	91.30	90.96	90.87	90.71	90.82	90.75	90.74	
3	90.56	90.61	90.62	90.64	90.96	91.16	90.89	90.86	90.70	90.82	90.75	90.73	
4	90.60	90.59	90.64	90.63	90.99	91.06	90.89	90.87	90.70	90.82	90.75	90.73	
5	90.65	90.61	90.63	90.62	91.04	91.00	90.87	90.85	90.70	90.81	90.75	90.73	
6	90.62	90.60	90.63	90.62	91.04	90.96	91.13	90.83	90.70	90.81	90.75	90.77	
7	90.66	90.60	90.67	90.64	91.05	90.93	91.01	90.82	90.69	90.81	90.75	90.82	
8	90.74	90.62	90.72	90.63	91.00	90.91	90.94	90.84	90.69	90.80	90.75	90.89	
9	90.64	90.63	90.70	90.67	90.94	90.90	90.92	90.82	90.69	90.81	90.74	90.79	
10	90.64	90.59	90.70	90.73	90.91	90.90	90.90	90.81	90.69	90.81	90.73	90.77	
11	90.61	90.58	90.75	90.79	90.88	90.94	90.88	90.80	90.68	90.79	90.73	90.76	
12	90.62	90.58	90.74	90.73	90.85	90.90	91.14	90.79	90.68	90.79	90.73	90.79	
13	90.63	90.57	90.70	90.73	90.83	90.86	91.08	90.79	90.68	90.79	90.74	90.83	
14	90.71	90.55	90.73	90.69	90.82	90.85	91.01	90.78	90.68	90.79	90.74	90.85	
15	90.63	90.55	90.84	90.68	90.80	90.84	91.15	90.77	90.68	90.79	90.74	90.86	
16	90.61	90.53	90.80	90.69	90.80	90.87	91.06	90.77	90.67	90.79	90.75	90.86	
17	90.60	90.54	90.78	90.75	90.78	90.87	91.19	90.76	90.67	90.79	90.79	90.79	
18	90.61	90.53	90.75	90.79	90.76	90.85	91.09	90.76	90.67	90.78	90.90	90.81	
19	90.62	90.54	90.73	91.08	90.75	90.86	91.04	90.75	90.73	90.78	90.88	90.77	
20	90.59	90.54	90.70	90.98	90.74	90.92	91.01	90.75	90.83	90.78	90.85	90.80	
21	90.57	90.53	90.68	90.90	90.76	91.01	90.99	90.74	90.87	90.78	90.82	90.82	
22	90.55	90.52	90.66	90.91	90.74	91.00	90.98	90.74	90.87	90.80	90.79	90.84	
23	90.55	90.52	90.67	91.10	90.73	90.95	91.14	90.74	90.87	90.78	90.77	90.87	
24	90.54	90.52	90.68	90.95	90.72	90.92	91.22	90.73	90.86	90.78	90.77	90.88	
25	90.54	90.52	90.67	91.15	90.74	90.94	91.02	90.72	90.86	90.77	90.76	90.80	
26	90.54	90.54	90.66	91.17	90.75	91.09	90.98	90.71	90.85	90.76	90.75	90.78	
27	90.54	90.56	90.65	91.22	90.78	91.00	90.96	90.71	90.84	90.76	90.75	90.77	
28	90.54	90.58	90.65	91.22	90.76	90.96	90.94	90.71	90.84	90.76	90.74	90.76	
29	90.64	90.59	90.67	91.09	90.77	90.92	90.93	90.70	90.83	90.76		90.76	
30	90.73	90.59	90.65	91.10	90.79	90.90	90.91	90.70	90.83	90.76		90.76	
31		90.60		91.06	90.98		90.90		90.82	90.76		90.75	
Mean	90.61	90.58	90.69	90.85	90.85	90.97	91.00	90.78	90.75	90.79	90.77	90.79	
Max	90.74	90.76	90.84	91.22	91.05	91.57	91.22	90.88	90.87	90.82	90.90	90.89	91.57
Min	90.54	90.52	90.59	90.62	90.72	90.84	90.87	90.70	90.67	90.76	90.73	90.73	90.52
Annual Max Momentary Gage Height	92.19		m. (MSL.) ,			at 16.00 Hours ,	on Sep 1, 2021						
Zero Gage at Bottom Elevation		90.00	m. (MSL.) ,			River Bed	90.38	m. (MSL.)					
Left Bank Elevation		95.16	m. (MSL.) ,										
Right Bank Elevation		95.43	m. (MSL.) ,			Drainage Are	109	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.27	1.48	0.40	0.64	3.79	13.40	3.35	2.60	1.08	0.61	0.34	0.31	
2	0.29	0.70	0.37	0.64	3.35	8.20	3.46	2.50	1.08	0.61	0.34	0.31	
3	0.29	0.46	0.52	0.64	3.46	6.04	2.70	2.40	1.00	0.61	0.34	0.28	
4	0.40	0.37	0.64	0.58	3.79	4.68	2.70	2.50	1.00	0.61	0.34	0.28	
5	0.70	0.46	0.58	0.52	4.42	3.90	2.50	2.30	1.00	0.56	0.34	0.28	
6	0.52	0.40	0.58	0.52	4.42	3.46	5.62	2.10	1.00	0.56	0.34	0.40	
7	0.76	0.40	0.82	0.64	4.55	3.13	4.03	2.00	0.94	0.56	0.34	0.61	
8	1.32	0.52	1.16	0.58	3.90	2.91	3.24	2.20	0.94	0.50	0.34	1.00	
9	0.64	0.58	1.00	0.82	3.24	2.80	3.02	2.00	0.94	0.56	0.31	0.47	
10	0.64	0.37	1.00	1.24	2.91	2.80	2.80	1.90	0.94	0.56	0.28	0.40	
11	0.46	0.35	1.40	1.72	2.60	3.24	2.60	1.80	0.88	0.47	0.28	0.37	
12	0.52	0.35	1.32	1.24	2.30	2.80	5.76	1.72	0.88	0.47	0.28	0.47	
13	0.58	0.32	1.00	1.24	2.10	2.40	4.94	1.72	0.88	0.47	0.31	0.67	
14	1.08	0.27	1.24	0.94	2.00	2.30	4.03	1.64	0.88	0.47	0.31	0.78	
15	0.58	0.27	2.20	0.88	1.80	2.20	5.90	1.56	0.88	0.47	0.31	0.83	
16	0.46	0.21	1.80	0.94	1.80	2.50	4.68	1.56	0.82	0.47	0.34	0.83	
17	0.40	0.24	1.64	1.40	1.64	2.50	6.46	1.48	0.82	0.47	0.47	0.47	
18	0.46	0.21	1.40	1.72	1.48	2.30	5.07	1.48	0.82	0.44	1.05	0.56	
19	0.52	0.24	1.24	4.94	1.40	2.40	4.42	1.40	1.24	0.44	0.94	0.40	
20	0.37	0.24	1.00	3.68	1.32	3.02	4.03	1.40	0.67	0.44	0.78	0.50	
21	0.32	0.21	0.88	2.80	1.48	4.03	3.79	1.32	0.89	0.44	0.61	0.61	
22	0.27	0.19	0.76	2.91	1.32	3.90	3.68	1.32	0.89	0.50	0.47	0.72	
23	0.27	0.19	0.82	5.20	1.24	3.35	5.76	1.32	0.89	0.44	0.40	0.89	
24	0.24	0.19	0.88	3.35	1.16	3.02	6.92	1.24	0.83	0.44	0.40	0.94	
25	0.24	0.19	0.82	5.90	1.32	3.24	4.16	1.16	0.83	0.40	0.37	0.50	
26	0.24	0.24	0.76	6.18	1.40	5.07	3.68	1.08	0.78	0.37	0.34	0.44	
27	0.24	0.29	0.70	6.92	1.64	3.90	3.46	1.08	0.72	0.37	0.34	0.40	
28	0.24	0.35	0.70	6.92	1.48	3.46	3.24	1.08	0.72	0.37	0.31	0.37	
29	0.64	0.37	0.82	5.07	1.56	3.02	3.13	1.00	0.67	0.37		0.37	
30	1.24	0.37	0.70	5.20	1.72	2.80	2.91	1.00	0.67	0.37		0.37	
31		0.40		4.68	3.68		2.80		0.61	0.37		0.34	
Total	15.20	11.43	29.15	80.65	74.27	112.77	124.84	49.86	27.19	14.79	11.62	16.17	567.94 CMSDAY
Mean	0.51	0.37	0.97	2.60	2.40	3.76	4.03	1.66	0.88	0.48	0.41	0.52	1.56 CMS
Max	1.32	1.48	2.20	6.92	4.55	13.40	6.92	2.60	1.24	0.61	1.05	1.00	13.40 CMS
Min	0.24	0.19	0.37	0.52	1.16	2.20	2.50	1.00	0.61	0.37	0.28	0.28	0.19 CMS
Runoff	1.31	0.99	2.52	6.97	6.42	9.74	10.79	4.31	2.35	1.28	1.00	1.40	49.07 MCM
Momentary Peak	27.36 CMS. at 92.19 m. (MSL.) at 16.00 Hours , on Sep 1, 2021												
Runoff Yield	14.28	Liters/Second/Square KM.		Momentary Peak Yield		251.01	Liters/Second/Square KM.						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.30	0.63	0.38	0.70	2.48	1.48	3.69	1.35	0.70	0.45	0.40	0.35		
2	0.33	0.50	0.35	0.70	1.80	1.22	3.29	1.67	0.70	0.45	0.40	0.33		
3	0.30	0.45	0.35	0.50	3.29	1.35	2.48	1.28	0.63	0.45	0.40	0.33		
4	0.40	0.45	0.33	0.45	4.10	1.48	2.61	1.22	0.63	0.45	0.40	0.33		
5	0.48	0.43	0.33	0.45	3.42	1.35	2.07	1.09	0.63	0.45	0.43	0.33		
6	0.40	0.45	0.35	0.45	3.42	1.09	2.21	1.02	0.63	0.45	0.43	0.33		
7	0.43	0.43	0.38	0.57	2.61	1.28	2.07	1.02	0.63	0.45	0.43	0.38		
8	0.45	0.43	0.40	0.48	1.94	1.41	1.74	1.02	0.63	0.43	0.40	0.40		
9	0.40	0.48	0.40	1.02	1.74	1.22	1.94	0.96	0.63	0.45	0.40	0.38		
10	0.43	0.43	0.45	0.89	1.61	1.28	1.67	0.96	0.57	0.43	0.40	0.38		
11	0.50	0.48	0.57	0.96	1.61	1.74	1.61	0.96	0.63	0.43	0.40	0.38		
12	0.57	0.43	0.50	0.83	1.48	1.41	2.21	0.89	0.57	0.43	0.40	0.35		
13	0.43	0.40	0.45	0.70	1.80	1.28	1.80	0.83	0.57	0.43	0.40	0.35		
14	1.15	0.35	0.63	0.57	1.61	1.22	1.74	0.83	0.57	0.43	0.48	0.35		
15	0.50	0.35	1.15	0.89	1.41	1.22	2.07	0.76	0.57	0.43	0.40	0.35		
16	0.45	0.35	1.15	0.83	1.35	1.28	2.88	0.76	0.57	0.43	0.43	0.35		
17	0.43	0.35	1.09	0.63	1.22	1.09	12.96	0.76	0.57	0.43	0.40	0.38		
18	0.40	0.35	0.83	0.83	1.09	1.61	3.83	0.70	0.50	0.43	0.43	0.43		
19	0.50	0.35	0.63	5.90	1.02	1.94	2.48	0.83	0.50	0.43	0.48	0.40		
20	0.48	0.33	0.50	2.21	0.96	1.54	1.80	0.89	0.50	0.43	0.45	0.40		
21	0.43	0.33	0.48	1.61	1.02	2.61	1.67	0.89	0.50	0.43	0.43	0.40		
22	0.40	0.35	0.48	1.35	0.96	4.85	3.69	0.89	0.50	0.43	0.40	0.40		
23	0.38	0.38	0.48	1.61	0.89	3.83	3.15	0.83	0.50	0.43	0.38	0.40		
24	0.38	0.38	0.48	1.94	0.83	2.48	2.75	0.83	0.48	0.43	0.38	0.40		
25	0.40	0.38	0.48	3.15	1.02	3.29	1.80	0.83	0.48	0.40	0.38	0.40		
26	0.38	0.38	0.50	4.10	1.94	5.20	1.61	0.83	0.48	0.40	0.35	0.38		
27	0.40	0.35	0.70	6.95	1.74	3.42	1.54	0.76	0.48	0.40	0.35	0.38		
28	0.57	0.35	0.76	6.43	1.28	2.61	1.48	0.70	0.48	0.40	0.35	0.38		
29	1.94	0.38	0.57	3.83	1.09	2.21	1.48	0.70	0.48	0.40		0.35		
30	1.09	0.43	0.48	3.15	1.35	1.94	1.35	0.70	0.45	0.40		0.35		
31		0.40		2.61	1.74		1.35		0.48	0.40		0.35		
Total	15.70	12.53	16.63	57.29	53.82	59.93	79.02	27.76	17.24	13.28	11.38	11.47	376.05	CMSDAY
Mean	0.52	0.40	0.55	1.85	1.74	2.00	2.55	0.93	0.56	0.43	0.41	0.37	1.03	CMS
Max	1.94	0.63	1.15	6.95	4.10	5.20	12.96	1.67	0.70	0.45	0.48	0.43	12.96	CMS
Min	0.30	0.33	0.33	0.45	0.83	1.09	1.35	0.70	0.45	0.40	0.35	0.33	0.30	CMS
Runoff	1.36	1.08	1.44	4.95	4.65	5.18	6.83	2.40	1.49	1.15	0.98	0.99	32.49	MCM
Momentary Peak	38.00 CMS. at 83.70 m. (MSL.) at 05.00 Hours , on Oct 17, 2021													
Runoff Yield	19.81	Liters/Second/Square KM.			Momentary Peak Yield			730.77	Liters/Second/Square KM.					

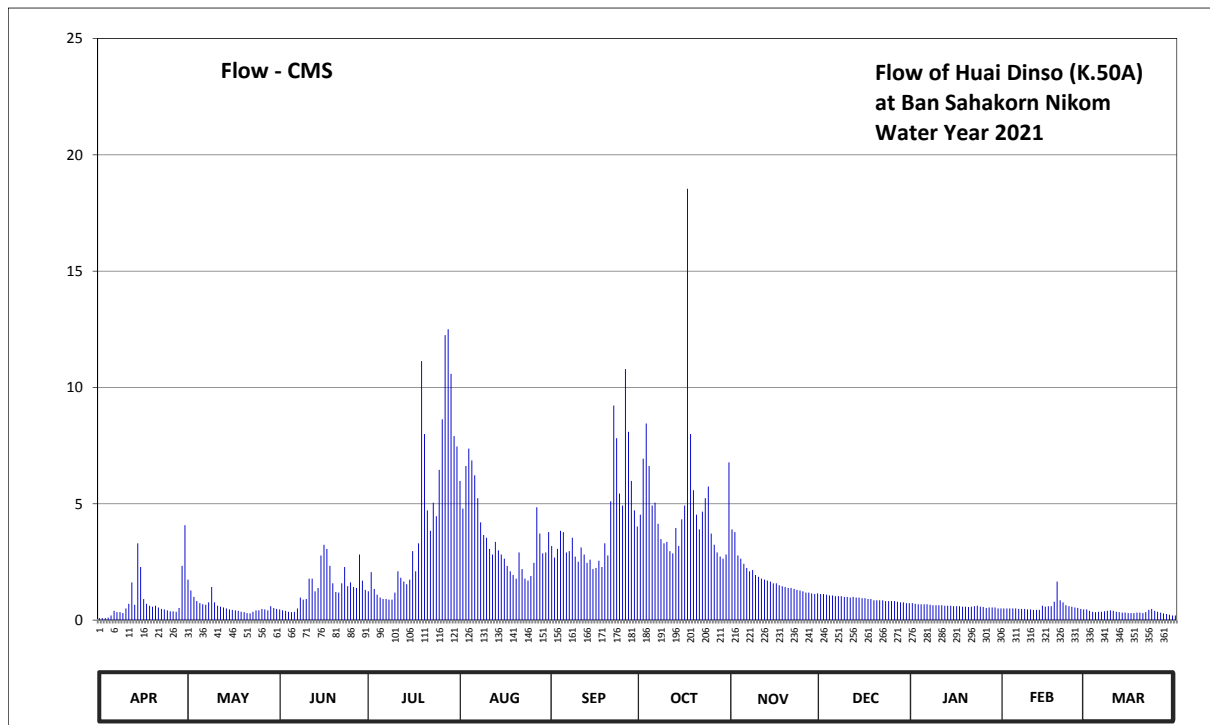
Lat 14 - 40 - 37 N Long 98 - 42 - 53 E

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.				
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 27 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	125.26	125.91	125.48	125.78	126.66	126.23	126.45	126.35	125.74	125.61	125.50	125.48	
2	125.26	125.79	125.46	125.99	126.49	126.13	126.78	126.33	125.74	125.60	125.50	125.45	
3	125.26	125.70	125.45	125.81	126.74	126.21	126.95	126.15	125.73	125.59	125.50	125.43	
4	125.27	125.64	125.43	125.73	126.83	126.34	126.74	126.12	125.72	125.59	125.50	125.42	
5	125.33	125.61	125.42	125.69	126.77	126.33	126.51	126.07	125.72	125.59	125.50	125.43	
6	125.45	125.59	125.43	125.67	126.69	126.18	126.53	126.03	125.71	125.59	125.49	125.43	
7	125.42	125.58	125.50	125.67	126.56	126.19	126.39	126.00	125.71	125.58	125.49	125.44	
8	125.42	125.62	125.69	125.66	126.40	126.29	126.28	126.01	125.71	125.57	125.49	125.45	
9	125.40	125.83	125.66	125.66	126.31	126.14	126.25	125.96	125.70	125.57	125.48	125.46	
10	125.50	125.62	125.67	125.76	126.29	126.09	126.26	125.94	125.70	125.57	125.48	125.45	
11	125.60	125.56	125.92	126.00	126.21	126.22	126.19	125.92	125.69	125.57	125.47	125.43	
12	125.88	125.54	125.92	125.93	126.16	126.16	126.17	125.91	125.70	125.56	125.47	125.42	
13	125.58	125.52	125.78	125.89	126.26	126.08	126.36	125.90	125.69	125.56	125.47	125.41	
14	126.25	125.50	125.82	125.86	126.20	126.11	126.23	125.89	125.69	125.56	125.56	125.41	
15	126.04	125.48	126.15	125.91	126.16	126.02	126.42	125.87	125.68	125.55	125.54	125.40	
16	125.67	125.47	126.24	126.19	126.12	126.03	126.51	125.87	125.68	125.55	125.55	125.40	
17	125.60	125.46	126.21	126.00	126.05	126.10	127.71	125.85	125.67	125.55	125.55	125.40	
18	125.56	125.45	126.05	126.25	126.00	126.04	126.90	125.84	125.67	125.54	125.63	125.41	
19	125.54	125.43	125.87	127.21	125.96	126.25	126.61	125.83	125.65	125.54	125.89	125.41	
20	125.56	125.42	125.77	126.90	125.92	126.15	126.45	125.82	125.65	125.53	125.65	125.40	
21	125.52	125.40	125.76	126.48	126.18	126.54	126.35	125.82	125.65	125.54	125.62	125.42	
22	125.49	125.39	125.87	126.34	126.02	127.03	126.47	125.81	125.65	125.55	125.57	125.47	
23	125.48	125.43	126.04	126.53	125.92	126.88	126.56	125.80	125.64	125.56	125.55	125.49	
24	125.46	125.46	125.84	126.44	125.90	126.59	126.63	125.79	125.64	125.54	125.54	125.45	
25	125.44	125.46	125.88	126.72	125.95	126.51	126.32	125.78	125.64	125.53	125.52	125.43	
26	125.44	125.49	125.83	126.97	126.08	127.18	126.24	125.76	125.64	125.51	125.51	125.41	
27	125.43	125.48	125.82	127.30	126.50	126.91	126.18	125.76	125.63	125.52	125.49	125.39	
28	125.51	125.46	126.16	127.32	126.32	126.66	126.14	125.75	125.62	125.52	125.48	125.37	
29	126.05	125.55	125.90	127.16	126.17	126.48	126.12	125.74	125.62	125.52		125.35	
30	126.38	125.51	125.80	126.89	126.18	126.37	126.16	125.75	125.61	125.50		125.33	
31		125.49		126.84	126.33		126.76		125.61	125.50		125.33	
Mean	125.57	125.54	125.79	126.28	126.27	126.35	126.47	125.91	125.67	125.55	125.54	125.42	
Max	126.38	125.91	126.24	127.32	126.83	127.18	127.71	126.35	125.74	125.61	125.89	125.49	127.71
Min	125.26	125.39	125.42	125.66	125.90	126.02	126.12	125.74	125.61	125.50	125.47	125.33	125.26
Annual Max Momentary Gage Height	128.28		m. (MSL.) , at 07.00 Hours , on Oct 17, 2021										
Zero Gage at Bottom Elevation	125.00		m. (MSL.) , River Bed 125.16 m. (MSL.)										
Left Bank Elevation	128.32		m. (MSL.) ,										
Right Bank Elevation	128.41		m. (MSL.) , Drainage Are 121 Square Kilometers										



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.09	1.74	0.46	1.24	5.98	3.18	4.53	3.90	1.12	0.73	0.50	0.46		
2	0.09	1.27	0.42	2.06	4.79	2.69	6.94	3.78	1.12	0.70	0.50	0.40		
3	0.09	1.00	0.40	1.34	6.62	3.06	8.45	2.78	1.09	0.68	0.50	0.36		
4	0.11	0.82	0.36	1.09	7.37	3.84	6.62	2.64	1.06	0.68	0.50	0.34		
5	0.20	0.73	0.34	0.97	6.86	3.78	4.92	2.42	1.06	0.68	0.50	0.36		
6	0.40	0.68	0.36	0.91	6.22	2.91	5.05	2.24	1.03	0.68	0.48	0.36		
7	0.34	0.66	0.50	0.91	5.24	2.96	4.14	2.10	1.03	0.66	0.48	0.38		
8	0.34	0.76	0.97	0.88	4.20	3.54	3.48	2.15	1.03	0.64	0.48	0.40		
9	0.30	1.42	0.88	0.88	3.66	2.73	3.30	1.94	1.00	0.64	0.46	0.42		
10	0.50	0.76	0.91	1.18	3.54	2.51	3.36	1.86	1.00	0.64	0.46	0.40		
11	0.70	0.62	1.78	2.10	3.06	3.12	2.96	1.78	0.97	0.64	0.44	0.36		
12	1.62	0.58	1.78	1.82	2.82	2.82	2.87	1.74	1.00	0.62	0.44	0.34		
13	0.66	0.54	1.24	1.66	3.36	2.46	3.96	1.70	0.97	0.62	0.44	0.32		
14	3.30	0.50	1.38	1.54	3.00	2.60	3.18	1.66	0.97	0.62	0.62	0.32		
15	2.28	0.46	2.78	1.74	2.82	2.19	4.33	1.58	0.94	0.60	0.58	0.30		
16	0.91	0.44	3.24	2.96	2.64	2.24	4.92	1.58	0.94	0.60	0.60	0.30		
17	0.70	0.42	3.06	2.10	2.33	2.55	18.54	1.50	0.91	0.60	0.60	0.30		
18	0.62	0.40	2.33	3.30	2.10	2.28	8.00	1.46	0.91	0.58	0.79	0.32		
19	0.58	0.36	1.58	11.13	1.94	3.30	5.58	1.42	0.85	0.58	1.66	0.32		
20	0.62	0.34	1.21	8.00	1.78	2.78	4.53	1.38	0.85	0.56	0.85	0.30		
21	0.54	0.30	1.18	4.72	2.91	5.11	3.90	1.38	0.85	0.58	0.76	0.34		
22	0.48	0.29	1.58	3.84	2.19	9.22	4.66	1.34	0.85	0.60	0.64	0.44		
23	0.46	0.36	2.28	5.05	1.78	7.82	5.24	1.30	0.82	0.62	0.60	0.48		
24	0.42	0.42	1.46	4.46	1.70	5.44	5.74	1.27	0.82	0.58	0.58	0.40		
25	0.38	0.42	1.62	6.46	1.90	4.92	3.72	1.24	0.82	0.56	0.54	0.36		
26	0.38	0.48	1.42	8.63	2.46	10.79	3.24	1.18	0.82	0.52	0.52	0.32		
27	0.36	0.46	1.38	12.25	4.85	8.09	2.91	1.18	0.79	0.54	0.48	0.29		
28	0.52	0.42	2.82	12.50	3.72	5.98	2.73	1.15	0.76	0.54	0.46	0.26		
29	2.33	0.60	1.70	10.58	2.87	4.72	2.64	1.12	0.76	0.54		0.23		
30	4.08	0.52	1.30	7.91	2.91	4.02	2.82	1.15	0.73	0.50		0.20		
31		0.48		7.46	3.78		6.78		0.73	0.50		0.20		
Total	24.40	19.25	42.72	131.67	111.40	123.65	154.04	53.92	28.60	18.83	16.46	10.58	735.52	CMSDAY
Mean	0.81	0.62	1.42	4.25	3.59	4.12	4.97	1.80	0.92	0.61	0.59	0.34	2.02	CMS
Max	4.08	1.74	3.24	12.50	7.37	10.79	18.54	3.90	1.12	0.73	1.66	0.48	18.54	CMS
Min	0.09	0.29	0.34	0.88	1.70	2.19	2.64	1.12	0.73	0.50	0.44	0.20	0.09	CMS
Runoff	2.11	1.66	3.69	11.38	9.62	10.68	13.31	4.66	2.47	1.63	1.42	0.91	63.55	MCM
Momentary Peak	34.10	CMS.	at 128.28 m. (MSL.) at 07.00 Hours , on Oct 17, 2021											
Runoff Yield	16.65	Liters/Second/Square KM.				Momentary Peak Yield	281.82			Liters/Second/Square KM.				

WATER YEAR : 2021**MAE KLONG RIVER BASIN****Khwaee Noi River at Ban Lin Thin , Kanchanaburi (K.54)**

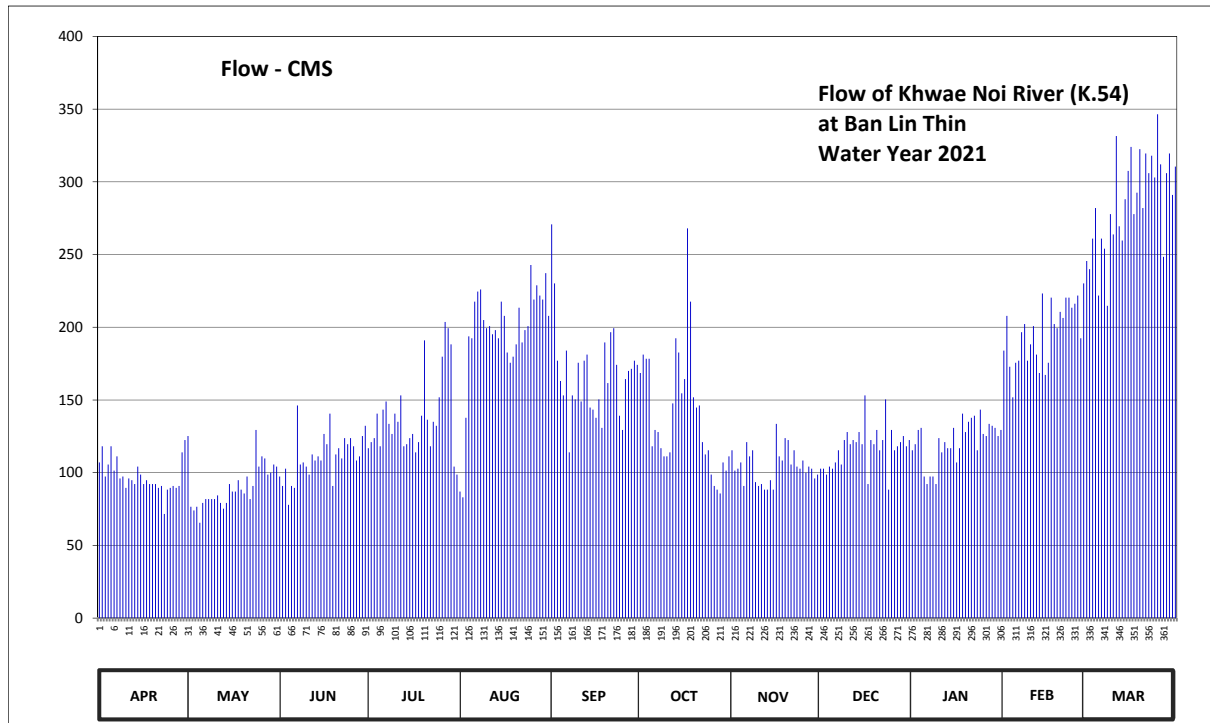
Lat 14 - 32 - 09 N Long 98 - 47 - 16 E

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 24 discharge measurements made in 2021.				

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	62.65	62.78	62.58	62.72	62.50	63.82	63.09	62.71	62.62	62.71	63.20	63.64	
2	62.73	62.42	62.53	62.75	62.47	63.53	63.18	62.61	62.62	62.74	63.37	63.60	
3	62.58	62.40	62.62	62.77	62.87	63.15	63.16	62.62	62.59	62.81	63.12	63.75	
4	62.64	62.42	62.43	62.89	63.27	63.05	63.16	62.65	62.63	62.82	62.97	63.90	
5	62.73	62.33	62.53	62.73	63.26	62.98	62.73	62.53	62.62	62.58	63.14	63.47	
6	62.61	62.44	62.52	62.91	63.44	63.20	62.81	62.75	62.65	62.54	63.15	63.75	
7	62.68	62.46	62.93	62.95	63.49	62.70	62.80	62.68	62.71	62.58	63.29	63.70	
8	62.57	62.46	62.64	62.84	63.50	62.98	62.72	62.71	62.64	62.58	63.33	63.42	
9	62.58	62.46	62.65	62.79	63.35	62.96	62.68	62.55	62.76	62.54	63.15	63.87	
10	62.52	62.46	62.63	62.89	63.31	63.14	62.68	62.53	62.80	62.77	63.23	63.77	
11	62.57	62.48	62.59	62.85	63.32	62.95	62.70	62.54	62.74	62.70	63.32	64.23	
12	62.56	62.44	62.69	62.98	63.28	63.15	62.94	62.51	62.76	62.75	63.18	63.81	
13	62.54	62.41	62.66	62.73	63.30	63.18	63.26	62.51	62.75	62.72	63.09	63.74	
14	62.63	62.44	62.68	62.74	63.26	62.92	63.19	62.56	62.80	62.72	63.48	63.94	
15	62.59	62.54	62.66	62.77	63.44	62.91	62.99	62.51	62.74	62.82	63.08	64.07	
16	62.54	62.50	62.79	62.79	63.37	62.87	63.06	62.84	62.98	62.65	63.14	64.18	
17	62.56	62.50	62.74	62.70	63.19	62.96	63.80	62.68	62.54	62.72	63.46	63.87	
18	62.54	62.56	62.89	62.75	63.14	62.82	63.44	62.66	62.76	62.89	63.33	63.97	
19	62.54	62.51	62.53	62.88	63.17	63.24	62.97	62.77	62.74	62.80	63.31	64.17	
20	62.54	62.49	62.69	63.25	63.23	63.04	62.92	62.76	62.81	62.85	63.39	63.90	
21	62.52	62.58	62.72	62.86	63.41	63.29	62.93	62.64	62.71	62.87	63.36	64.15	
22	62.53	62.46	62.67	62.73	63.24	63.31	62.75	62.71	62.76	62.88	63.46	64.06	
23	62.38	62.53	62.77	62.85	63.30	63.13	62.69	62.63	62.96	62.71	63.46	64.14	
24	62.51	62.81	62.74	62.83	63.32	62.88	62.71	62.62	62.51	62.91	63.41	64.04	
25	62.52	62.63	62.77	62.97	63.62	62.81	62.59	62.66	62.81	62.79	63.43	64.33	
26	62.53	62.68	62.73	63.17	63.45	63.06	62.53	62.60	62.71	62.78	63.47	64.10	
27	62.52	62.67	62.66	63.34	63.52	63.10	62.51	62.63	62.73	62.84	63.26	63.66	
28	62.53	62.59	62.68	63.31	63.47	63.11	62.49	62.62	62.75	62.83	63.53	64.06	
29	62.70	62.60	62.78	63.23	63.45	63.15	62.65	62.57	62.78	62.82		64.15	
30	62.76	62.64	62.83	62.63	63.58	63.13	62.61	62.59	62.73	62.78		63.96	
31		62.63		62.59	63.37		62.68		62.76	62.81		64.09	
Mean	62.58	62.53	62.68	62.88	63.29	63.08	62.88	62.63	62.72	62.75	63.29	63.92	
Max	62.76	62.81	62.93	63.34	63.62	63.82	63.80	62.84	62.98	62.91	63.53	64.33	64.33
Min	62.38	62.33	62.43	62.59	62.47	62.70	62.49	62.51	62.51	62.54	62.97	63.42	62.33
Annual Max Momentary Gage Height	65.20	m. (MSL.) ,		at 04.00 Hours , on Mar 16, 2021									
Zero Gage at Bottom Elevation	60.60	m. (MSL.) ,		River Bed		60.25	m. (MSL.)						
Left Bank Elevation	68.54	m. (MSL.) ,											
Right Bank Elevation	75.56	m. (MSL.) ,		Drainage Are		4,785	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	107.00	125.20	97.40	116.80	87.00	270.80	168.60	115.40	102.80	115.40	184.00	245.60		
2	118.20	76.60	90.90	121.00	83.10	230.20	181.20	101.40	102.80	119.60	207.80	240.00		
3	97.40	74.00	102.80	123.80	137.80	177.00	178.40	102.80	98.70	129.40	172.80	261.00		
4	105.60	76.60	77.90	140.60	193.80	163.00	178.40	107.00	104.20	130.80	151.80	282.00		
5	118.20	65.60	90.90	118.20	192.40	153.20	118.20	90.90	102.80	97.40	175.60	221.80		
6	101.40	79.20	89.60	143.40	217.60	184.00	129.40	121.00	107.00	92.20	177.00	261.00		
7	111.20	81.80	146.20	149.00	224.60	114.00	128.00	111.20	115.40	97.40	196.60	254.00		
8	96.10	81.80	105.60	133.60	226.00	153.20	116.80	115.40	105.60	97.40	202.20	214.80		
9	97.40	81.80	107.00	126.60	205.00	150.40	111.20	93.50	122.40	92.20	177.00	277.80		
10	89.60	81.80	104.20	140.60	199.40	175.60	111.20	90.90	128.00	123.80	188.20	263.80		
11	96.10	84.40	98.70	135.00	200.80	149.00	114.00	92.20	119.60	114.00	200.80	331.50		
12	94.80	79.20	112.60	153.20	195.20	177.00	147.60	88.30	122.40	121.00	181.20	269.40		
13	92.20	75.30	108.40	118.20	198.00	181.20	192.40	88.30	121.00	116.80	168.60	259.60		
14	104.20	79.20	111.20	119.60	192.40	144.80	182.60	94.80	128.00	116.80	223.20	288.00		
15	98.70	92.20	108.40	123.80	217.60	143.40	154.60	88.30	119.60	130.80	167.20	307.50		
16	92.20	87.00	126.60	126.60	207.80	137.80	164.40	133.60	153.20	107.00	175.60	324.00		
17	94.80	87.00	119.60	114.00	182.60	150.40	268.00	111.20	92.20	116.80	220.40	277.80		
18	92.20	94.80	140.60	121.00	175.60	130.80	217.60	108.40	122.40	140.60	202.20	292.50		
19	92.20	88.30	90.90	139.20	179.80	189.60	151.80	123.80	119.60	128.00	199.40	322.50		
20	92.20	85.70	112.60	191.00	188.20	161.60	144.80	122.40	129.40	135.00	210.60	282.00		
21	89.60	97.40	116.80	136.40	213.40	196.60	146.20	105.60	115.40	137.80	206.40	319.50		
22	90.90	81.80	109.80	118.20	189.60	199.40	121.00	115.40	122.40	139.20	220.40	306.00		
23	71.60	90.90	123.80	135.00	198.00	174.20	112.60	104.20	150.40	115.40	220.40	318.00		
24	88.30	129.40	119.60	132.20	200.80	139.20	115.40	102.80	88.30	143.40	213.40	303.00		
25	89.60	104.20	123.80	151.80	242.80	129.40	98.70	108.40	129.40	126.60	216.20	346.50		
26	90.90	111.20	118.20	179.80	219.00	164.40	90.90	100.00	115.40	125.20	221.80	312.00		
27	89.60	109.80	108.40	203.60	228.80	170.00	88.30	104.20	118.20	133.60	192.40	248.40		
28	90.90	98.70	111.20	199.40	221.80	171.40	85.70	102.80	121.00	132.20	230.20	306.00		
29	114.00	100.00	125.20	188.20	219.00	177.00	107.00	96.10	125.20	130.80		319.50		
30	122.40	105.60	132.20	104.20	237.20	174.20	101.40	98.70	118.20	125.20		291.00		
31		104.20		98.70	207.80		111.20		122.40	129.40		310.50		
Total	2929.50	2810.70	3331.10	4302.70	6082.90	5032.80	4337.60	3139.00	3643.40	3761.20	5503.40	8857.00	53731.30	CMSDAY
Mean	97.65	90.67	111.04	138.80	196.22	167.76	139.92	104.63	117.53	121.33	196.55	285.71	147.21	CMS
Max	122.40	129.40	146.20	203.60	242.80	270.80	268.00	133.60	153.20	143.40	230.20	346.50	346.50	CMS
Min	71.60	65.60	77.90	98.70	83.10	114.00	85.70	88.30	88.30	92.20	151.80	214.80	65.60	CMS
Runoff	253.11	242.84	287.81	371.75	525.56	434.83	374.77	271.21	314.79	324.97	475.49	765.24	4642.38	MCM
Momentary Peak	482.00 CMS. at 65.20 m. (MSL.) at 04:00 Hours , on Mar 16, 2021													
Runoff Yield	30.76	Liters/Second/Square KM.			Momentary Peak Yield			100.73	Liters/Second/Square KM.					

WATER YEAR : 2021**MAE KLONG RIVER BASIN****Mae Klong River at Khai Luang Bridge, Ratchaburi (K.55A)**

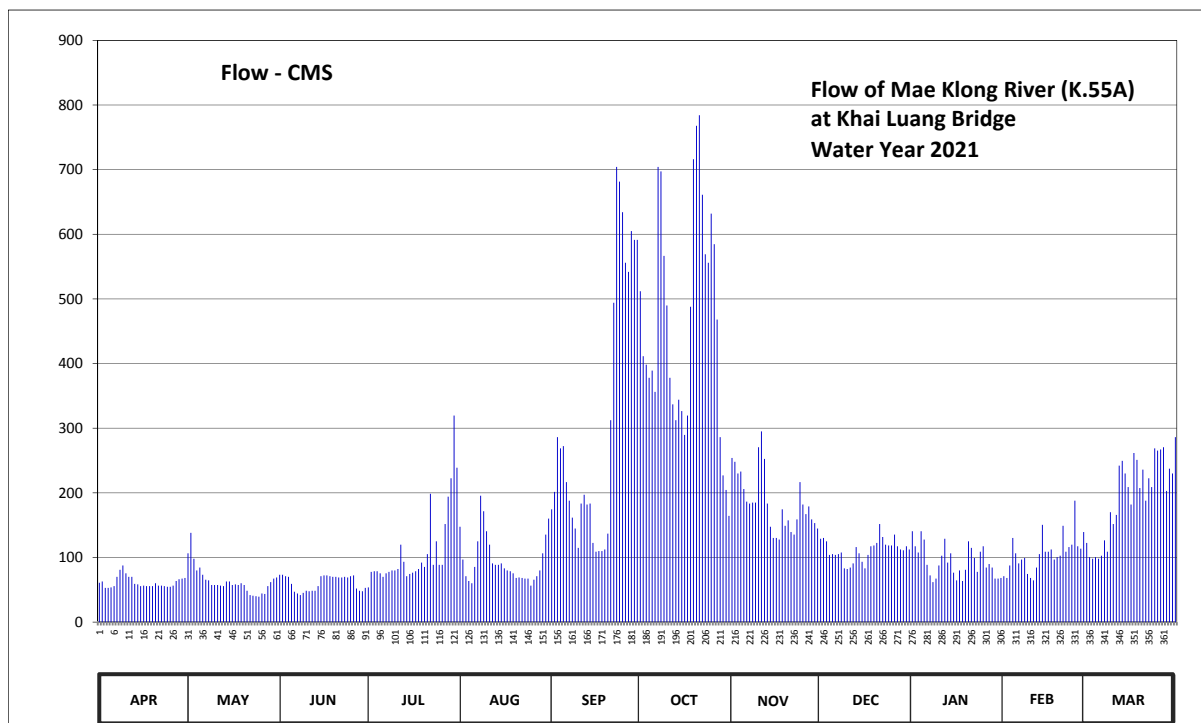
Lat 13 - 49 - 07 N Long 99 - 51 - 53 E

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 23 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.70	2.12	1.83	1.62	2.44	2.63	4.56	3.16	2.30	2.39	1.81	2.25	
2	1.72	2.37	1.83	1.87	2.04	2.81	4.05	3.12	2.31	2.21	1.78	2.07	
3	1.61	2.05	1.81	1.88	1.81	3.35	3.98	3.00	2.27	2.13	1.96	2.05	
4	1.61	1.89	1.80	1.88	1.73	3.25	3.87	3.02	2.10	2.39	2.31	2.07	
5	1.62	1.93	1.68	1.85	1.69	3.27	3.93	2.84	2.11	2.29	2.12	2.05	
6	1.64	1.83	1.54	1.80	1.94	2.91	3.75	2.71	2.10	1.97	1.99	2.09	
7	1.80	1.75	1.51	1.85	2.27	2.72	5.44	2.69	2.11	1.82	2.04	2.28	
8	1.90	1.74	1.48	1.87	2.77	2.54	5.41	2.70	2.13	1.71	2.06	2.14	
9	1.96	1.66	1.52	1.89	2.61	2.42	4.83	2.70	1.92	1.77	1.84	2.60	
10	1.85	1.66	1.56	1.89	2.39	2.19	4.45	3.26	1.91	1.96	1.78	2.47	
11	1.80	1.66	1.55	1.91	2.23	2.69	3.87	3.40	1.93	2.09	1.74	2.57	
12	1.80	1.65	1.56	2.23	1.99	2.78	3.64	3.15	1.99	2.30	1.93	3.08	
13	1.68	1.64	1.56	2.01	1.97	2.68	3.50	2.69	2.20	2.00	2.11	3.13	
14	1.67	1.72	1.64	1.81	1.97	2.69	3.68	2.44	2.12	2.12	2.46	3.00	
15	1.64	1.72	1.81	1.84	1.99	2.25	3.58	2.31	2.01	1.86	2.14	2.86	
16	1.65	1.66	1.82	1.86	1.92	2.14	3.37	2.31	1.92	1.74	2.14	2.68	
17	1.64	1.67	1.82	1.88	1.89	2.15	3.54	2.29	2.10	1.89	2.17	3.21	
18	1.64	1.66	1.81	1.91	1.88	2.15	4.44	2.63	2.21	1.73	2.04	3.14	
19	1.64	1.69	1.80	2.00	1.85	2.17	5.49	2.45	2.22	1.90	2.07	2.85	
20	1.69	1.66	1.80	1.94	1.78	2.36	5.71	2.51	2.25	2.27	2.09	3.04	
21	1.65	1.56	1.79	2.11	1.79	3.50	5.78	2.38	2.47	2.19	2.45	2.72	
22	1.65	1.48	1.79	2.79	1.78	4.47	5.25	2.35	2.32	2.06	2.14	2.95	
23	1.64	1.47	1.80	1.97	1.77	5.44	4.84	2.52	2.23	1.87	2.20	2.86	
24	1.63	1.46	1.79	2.27	1.77	5.34	4.78	2.91	2.22	2.14	2.23	3.25	
25	1.63	1.45	1.81	1.97	1.65	5.13	5.12	2.68	2.22	2.21	2.72	3.23	
26	1.65	1.51	1.82	1.97	1.75	4.78	4.91	2.58	2.35	1.93	2.21	3.24	
27	1.73	1.50	1.60	2.47	1.81	4.71	4.34	2.66	2.21	1.98	2.18	3.26	
28	1.76	1.64	1.56	2.76	1.89	5.00	3.35	2.52	2.17	1.93	2.38	2.82	
29	1.77	1.71	1.55	2.95	2.12	4.94	2.98	2.48	2.16	1.77		3.05	
30	1.78	1.77	1.61	3.54	2.35	4.94	2.83	2.42	2.21	1.77		3.00	
31		1.79		3.06	2.53		2.56		2.17	1.78		3.35	
Mean	1.71	1.71	1.69	2.12	2.01	3.35	4.25	2.70	2.16	2.01	2.11	2.75	
Max	1.96	2.37	1.83	3.54	2.77	5.44	5.78	3.40	2.47	2.39	2.72	3.35	5.78
Min	1.61	1.45	1.48	1.62	1.65	2.14	2.56	2.29	1.91	1.71	1.74	2.05	1.45
Annual Max Momentary Gage Height	5.91		m. (MSL.) ,			at 08.00 Hours ,	on Oct 21, 2021						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	-0.48	m. (MSL.)					
Left Bank Elevation	11.46		m. (MSL.) ,										
Right Bank Elevation	10.60		m. (MSL.) ,			Drainage Are	25,842	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	61.00	106.40	73.30	53.80	147.60	174.50	512.00	254.00	129.00	140.70	71.10	122.50		
2	62.80	138.10	73.30	77.70	96.80	201.50	411.50	248.00	130.30	117.30	68.20	100.40		
3	52.90	98.00	71.10	78.80	71.10	286.25	398.30	230.00	125.10	107.60	87.60	98.00		
4	52.90	79.90	70.00	78.80	63.70	268.75	377.95	233.00	104.00	140.70	130.30	100.40		
5	53.80	84.30	59.20	75.50	60.10	272.25	389.05	206.00	105.20	127.70	106.40	98.00		
6	55.60	73.30	46.90	70.00	85.40	216.50	356.25	186.50	104.00	88.70	90.90	102.80		
7	70.00	65.50	44.35	75.50	125.10	188.00	704.40	183.50	105.20	72.20	96.80	126.40		
8	81.00	64.60	41.80	77.70	195.50	161.60	697.35	185.00	107.60	61.90	99.20	108.80		
9	87.60	57.40	45.20	79.90	171.50	144.80	566.75	185.00	83.20	67.30	74.40	170.00		
10	75.50	57.40	48.60	79.90	140.70	114.80	490.00	270.50	82.10	87.60	68.20	151.80		
11	70.00	57.40	47.75	82.10	119.90	183.50	377.95	295.00	84.30	102.80	64.60	165.80		
12	70.00	56.50	48.60	119.90	90.90	197.00	337.00	252.50	90.90	129.00	84.30	242.00		
13	59.20	55.60	48.60	93.20	88.70	182.00	312.50	183.50	116.00	92.00	105.20	249.50		
14	58.30	62.80	55.60	71.10	88.70	183.50	344.00	147.60	106.40	106.40	150.40	230.00		
15	55.60	62.80	71.10	74.40	90.90	122.50	326.50	130.30	93.20	76.60	108.80	209.00		
16	56.50	57.40	72.20	76.60	83.20	108.80	289.75	130.30	83.20	64.60	108.80	182.00		
17	55.60	58.30	72.20	78.80	79.90	110.00	319.50	127.70	104.00	79.90	112.40	261.75		
18	55.60	57.40	71.10	82.10	78.80	110.00	488.00	174.50	117.30	63.70	96.80	251.00		
19	55.60	60.10	70.00	92.00	75.50	112.40	716.15	149.00	118.60	81.00	100.40	207.50		
20	60.10	57.40	70.00	85.40	68.20	136.80	767.85	157.40	122.50	125.10	102.80	236.00		
21	56.50	48.60	69.10	105.20	69.10	312.50	784.30	139.40	151.80	114.80	149.00	188.00		
22	56.50	41.80	69.10	198.50	68.20	494.00	661.25	135.50	131.60	99.20	108.80	222.50		
23	55.60	40.95	70.00	88.70	67.30	704.40	569.00	158.80	119.90	77.70	116.00	209.00		
24	54.70	40.10	69.10	125.10	67.30	681.50	556.00	216.50	118.60	108.80	119.90	268.75		
25	54.70	39.25	71.10	88.70	56.50	634.25	632.00	182.00	118.60	117.30	188.00	265.25		
26	56.50	44.35	72.20	88.70	65.50	556.00	584.75	167.20	135.50	84.30	117.30	267.00		
27	63.70	43.50	52.00	151.80	71.10	542.00	468.00	179.00	117.30	89.80	113.60	270.50		
28	66.40	55.60	48.60	194.00	79.90	605.00	286.25	158.80	112.40	84.30	139.40	203.00		
29	67.30	61.90	47.75	222.50	106.40	591.50	227.00	153.20	111.20	67.30	237.50	237.50		
30	68.20	67.30	52.90	319.50	135.50	591.50	204.50	144.80	117.30	67.30	230.00	230.00		
31		69.10		239.00	160.20		164.40		112.40	68.20		286.25		
Total	1849.70	1963.05	1822.75	3424.90	2969.20	9188.10	14320.20	5564.50	3458.70	2911.80	2979.60	6061.40	56513.90	CMSDAY
Mean	61.66	63.32	60.76	110.48	95.78	306.27	461.94	185.48	111.57	93.93	106.41	195.53	154.83	CMS
Max	87.60	138.10	73.30	319.50	195.50	704.40	784.30	295.00	151.80	140.70	188.00	286.25	784.30	CMS
Min	52.90	39.25	41.80	53.80	56.50	108.80	164.40	127.70	82.10	61.90	64.60	98.00	39.25	CMS
Runoff	159.81	169.61	157.49	295.91	256.54	793.85	1237.27	480.77	298.83	251.58	257.44	523.70	4882.80	MCM
Momentary Peak		814.85	CMS.	at 5.91 m. (MSL.) at 08.00 Hours , on Oct 21, 2021										
Runoff Yield		5.99	Liters/Second/Square KM.			Momentary Peak Yield		31.53	Liters/Second/Square KM.					

WATER YEAR : 2021

MAE KLONG RIVER BASIN

Khwaee Noi River at Ban Tha Sao , Kanchanaburi (K.58)

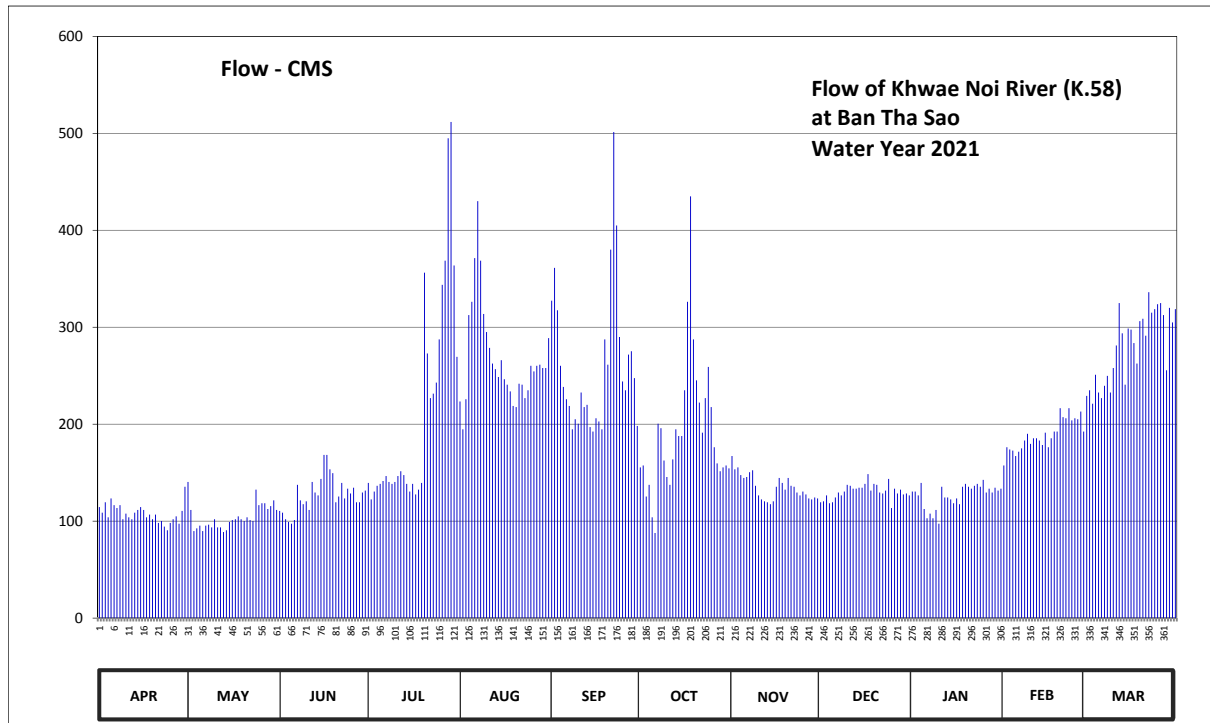
Lat 14 - 12 - 55 N Long 99 - 03 - 30 E

Location : on left bank at Ban Tha Sao.

	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 28 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	41.52	41.78	41.48	41.77	42.53	43.40	41.93	42.04	41.57	41.68	41.95	42.58	
2	41.46	41.49	41.46	41.60	42.28	43.67	41.95	41.91	41.58	41.68	42.12	42.63	
3	41.57	41.26	41.39	41.68	42.55	43.32	41.63	41.93	41.64	41.64	42.10	42.51	
4	41.41	41.29	41.36	41.74	43.28	42.85	41.75	41.85	41.56	41.77	42.09	42.77	
5	41.61	41.32	41.34	41.76	43.39	42.66	41.41	41.82	41.57	41.50	42.04	42.61	
6	41.54	41.26	41.38	41.79	43.75	42.55	41.24	41.83	41.62	41.40	42.08	42.56	
7	41.51	41.32	41.75	41.84	44.22	42.49	42.33	41.88	41.67	41.45	42.11	42.67	
8	41.54	41.33	41.59	41.78	43.73	42.28	42.29	41.90	41.64	41.40	42.18	42.76	
9	41.39	41.30	41.55	41.76	43.29	42.37	42.00	41.74	41.68	41.49	42.24	42.61	
10	41.45	41.39	41.58	41.78	43.14	42.33	41.83	41.64	41.75	41.34	42.15	42.83	
11	41.41	41.30	41.49	41.84	43.01	42.61	41.75	41.60	41.74	41.73	42.20	43.03	
12	41.39	41.30	41.78	41.89	42.87	42.48	42.01	41.58	41.71	41.62	42.20	43.38	
13	41.46	41.25	41.67	41.85	42.82	42.50	42.28	41.57	41.71	41.62	42.18	43.13	
14	41.49	41.27	41.64	41.76	42.75	42.30	42.22	41.55	41.72	41.60	42.14	42.68	
15	41.52	41.36	41.81	41.68	42.90	42.26	42.22	41.58	41.72	41.56	42.25	43.17	
16	41.49	41.38	42.05	41.76	42.73	42.38	42.63	41.73	41.76	41.61	42.12	43.16	
17	41.41	41.39	42.05	41.65	42.68	42.35	43.39	41.82	41.86	41.55	42.20	43.05	
18	41.44	41.42	41.91	41.70	42.62	42.28	44.26	41.77	41.69	41.73	42.26	42.87	
19	41.39	41.39	41.87	41.77	42.49	43.08	43.08	41.70	41.76	41.76	42.26	43.23	
20	41.44	41.37	41.57	43.63	42.48	42.86	42.72	41.82	41.75	41.73	42.47	43.25	
21	41.35	41.41	41.63	42.96	42.69	43.82	42.52	41.74	41.67	41.71	42.39	43.11	
22	41.37	41.38	41.77	42.56	42.68	44.78	42.25	41.73	41.66	41.74	42.38	43.47	
23	41.31	41.37	41.61	42.60	42.56	44.02	42.56	41.67	41.69	41.76	42.47	43.30	
24	41.27	41.70	41.71	42.70	42.63	43.10	42.84	41.64	41.81	41.73	42.36	43.33	
25	41.35	41.54	41.66	43.08	42.85	42.71	42.48	41.68	41.51	41.80	42.38	43.37	
26	41.39	41.56	41.72	43.53	42.80	42.63	42.12	41.65	41.71	41.67	42.37	43.38	
27	41.42	41.56	41.57	43.73	42.85	42.95	41.97	41.61	41.66	41.71	42.44	43.28	
28	41.34	41.50	41.57	44.73	42.86	42.98	41.89	41.60	41.70	41.67	42.26	42.81	
29	41.48	41.53	41.67	44.86	42.83	42.74	41.93	41.62	41.65	41.72		43.34	
30	41.73	41.59	41.69	43.69	42.83	42.31	41.95	41.61	41.66	41.69		43.22	
31		41.49		42.93	43.09		41.92		41.64	41.71		43.33	
Mean	41.45	41.41	41.64	42.40	42.91	42.84	42.24	41.73	41.68	41.64	42.23	43.01	
Max	41.73	41.78	42.05	44.86	44.22	44.78	44.26	42.04	41.86	41.80	42.47	43.47	44.86
Min	41.27	41.25	41.34	41.60	42.28	42.26	41.24	41.55	41.51	41.34	41.95	42.51	41.24
Annual Max Momentary Gage Height	45.34		m. (MSL.) ,			at 20.00 Hours ,	on Jul 28, 2021						
Zero Gage at Bottom Elevation		39.50	m. (MSL.) ,			River Bed	36.66	m. (MSL)					
Left Bank Elevation		57.55	m. (MSL.) ,										
Right Bank Elevation		55.85	m. (MSL.) ,			Drainage Are	6,727	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	114.50	140.50	110.60	139.50	223.45	327.50	155.50	167.10	119.50	130.50	157.50	229.20		
	2	108.70	111.55	108.70	122.50	194.70	361.25	157.50	153.50	120.50	130.50	176.30	234.95		
	3	119.50	89.70	102.05	130.50	225.75	317.50	125.50	155.50	126.50	126.50	174.00	221.15		
	4	103.95	92.55	99.20	136.50	312.50	260.25	137.50	147.50	118.50	139.50	172.85	251.05		
	5	123.50	95.40	97.30	138.50	326.25	238.40	103.95	144.50	119.50	112.50	167.10	232.65		
	6	116.50	89.70	101.10	141.50	371.25	225.75	87.80	145.50	124.50	103.00	171.70	226.90		
	7	113.50	95.40	137.50	146.50	430.00	218.85	200.45	150.50	129.50	107.75	175.15	239.55		
	8	116.50	96.35	121.50	140.50	368.75	194.70	195.85	152.50	126.50	103.00	183.20	249.90		
	9	102.05	93.50	117.50	138.50	313.75	205.05	162.50	136.50	130.50	111.55	190.10	232.65		
	10	107.75	102.05	120.50	140.50	295.00	200.45	145.50	126.50	137.50	97.30	179.75	257.95		
	11	103.95	93.50	111.55	146.50	278.75	232.65	137.50	122.50	136.50	135.50	185.50	281.25		
	12	102.05	93.50	140.50	151.50	262.55	217.70	163.65	120.50	133.50	124.50	185.50	325.00		
	13	108.70	88.75	129.50	147.50	256.80	220.00	194.70	119.50	133.50	124.50	183.20	293.75		
	14	111.55	90.65	126.50	138.50	248.75	197.00	187.80	117.50	134.50	122.50	178.60	240.70		
	15	114.50	99.20	143.50	130.50	266.00	192.40	187.80	120.50	134.50	118.50	191.25	298.75		
	16	111.55	101.10	168.25	138.50	246.45	206.20	234.95	135.50	138.50	123.50	176.30	297.50		
	17	103.95	102.05	168.25	127.50	240.70	202.75	326.25	144.50	148.50	117.50	185.50	283.75		
	18	106.80	104.90	153.50	132.50	233.80	194.70	435.00	139.50	131.50	135.50	192.40	262.55		
	19	102.05	102.05	149.50	139.50	218.85	287.50	287.50	132.50	138.50	138.50	192.40	306.25		
	20	106.80	100.15	119.50	356.25	217.70	261.40	245.30	144.50	137.50	135.50	216.55	308.75		
	21	98.25	103.95	125.50	272.90	241.85	380.00	222.30	136.50	129.50	133.50	207.35	291.25		
	22	100.15	101.10	139.50	226.90	240.70	501.40	191.25	135.50	128.50	136.50	206.20	336.25		
	23	94.45	100.15	123.50	231.50	226.90	405.00	226.90	129.50	131.50	138.50	216.55	315.00		
	24	90.65	132.50	133.50	243.00	234.95	290.00	259.10	126.50	143.50	135.50	203.90	318.75		
	25	98.25	116.50	128.50	287.50	260.25	244.15	217.70	130.50	113.50	142.50	206.20	323.75		
	26	102.05	118.50	134.50	343.75	254.50	234.95	176.30	127.50	133.50	129.50	205.05	325.00		

WATER YEAR : 2021**MAE KLONG RIVER BASIN****Huai Kui Mang at Ban Kui Mang , Kanchanaburi (K.60)**

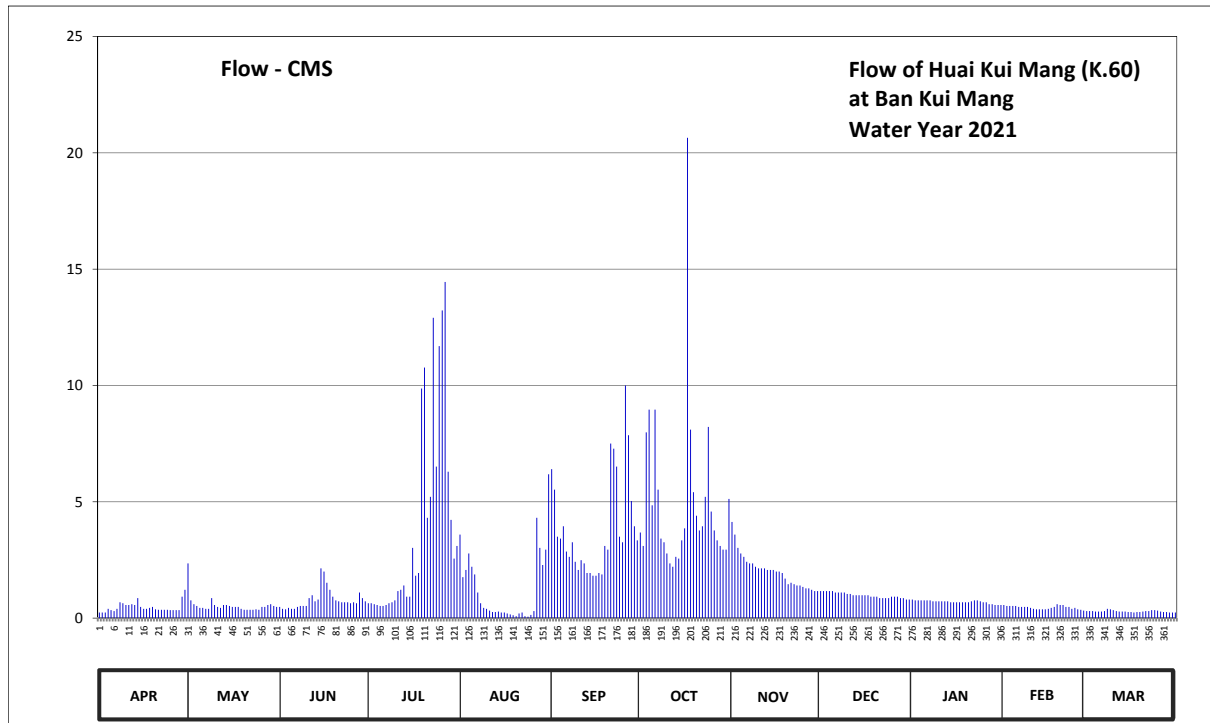
Lat 14 - 37 - 28 N Long 98 - 43 - 19 E

Location : on right bank at the bridge on road.

	Ban	Kui Mang	Amphoe	Thong Pha Phum	Changwat	Kanchanaburi
Drainage Area	132	sq.km.				
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 27 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	74.42	74.85	74.52	74.56	75.01	75.30	75.02	75.07	74.66	74.60	74.54	74.45	
2	74.42	74.59	74.50	74.56	74.76	75.22	74.95	75.01	74.66	74.59	74.53	74.45	
3	74.42	74.55	74.49	74.55	74.81	75.00	75.44	74.94	74.66	74.59	74.53	74.45	
4	74.50	74.53	74.51	74.54	74.91	74.99	75.52	74.91	74.66	74.59	74.53	74.44	
5	74.47	74.51	74.50	74.53	74.83	75.05	75.15	74.89	74.66	74.59	74.53	74.44	
6	74.45	74.51	74.50	74.53	74.78	74.92	75.52	74.86	74.65	74.59	74.52	74.44	
7	74.50	74.50	74.52	74.54	74.65	74.89	75.22	74.85	74.65	74.59	74.52	74.45	
8	74.57	74.50	74.53	74.56	74.56	74.97	74.99	74.85	74.65	74.58	74.52	74.50	
9	74.56	74.61	74.53	74.57	74.51	74.86	74.97	74.83	74.65	74.58	74.52	74.49	
10	74.54	74.54	74.53	74.59	74.50	74.81	74.91	74.82	74.64	74.58	74.51	74.47	
11	74.54	74.52	74.61	74.66	74.46	74.87	74.85	74.82	74.64	74.58	74.50	74.45	
12	74.55	74.51	74.63	74.67	74.43	74.85	74.83	74.82	74.63	74.58	74.49	74.44	
13	74.54	74.54	74.58	74.70	74.43	74.79	74.89	74.81	74.63	74.58	74.49	74.44	
14	74.61	74.54	74.60	74.62	74.44	74.79	74.88	74.81	74.63	74.57	74.49	74.44	
15	74.52	74.53	74.82	74.62	74.42	74.77	74.98	74.81	74.63	74.57	74.49	74.43	
16	74.50	74.52	74.80	74.94	74.42	74.77	75.04	74.80	74.63	74.57	74.50	74.43	
17	74.50	74.52	74.72	74.77	74.40	74.79	76.22	74.80	74.63	74.57	74.51	74.42	
18	74.51	74.52	74.67	74.79	74.38	74.78	75.45	74.79	74.62	74.57	74.52	74.43	
19	74.52	74.50	74.62	75.59	74.36	74.95	75.21	74.75	74.62	74.57	74.55	74.43	
20	74.49	74.48	74.59	75.65	74.34	74.93	75.10	74.71	74.62	74.57	74.54	74.44	
21	74.48	74.48	74.58	75.09	74.40	75.40	75.03	74.72	74.61	74.58	74.54	74.45	
22	74.48	74.48	74.57	75.19	74.42	75.38	75.05	74.71	74.61	74.59	74.52	74.45	
23	74.48	74.48	74.57	75.79	74.34	75.31	75.19	74.70	74.61	74.59	74.52	74.47	
24	74.48	74.49	74.57	75.31	74.33	75.00	75.46	74.70	74.61	74.58	74.50	74.47	
25	74.47	74.48	74.56	75.71	74.37	74.97	75.12	74.69	74.62	74.57	74.51	74.46	
26	74.47	74.52	74.57	75.81	74.45	75.60	75.03	74.68	74.62	74.57	74.49	74.44	
27	74.47	74.52	74.56	75.89	75.09	75.43	74.98	74.68	74.62	74.55	74.48	74.43	
28	74.47	74.54	74.65	75.29	74.94	75.17	74.95	74.67	74.61	74.55	74.46	74.43	
29	74.62	74.55	74.61	75.08	74.84	75.05	74.93	74.66	74.61	74.54		74.42	
30	74.67	74.53	74.58	74.88	74.93	74.98	74.93	74.66	74.60	74.54		74.42	
31		74.52		74.95	75.28		75.18		74.60	74.54		74.42	
Mean	74.51	74.53	74.59	74.95	74.61	75.02	75.13	74.79	74.63	74.57	74.51	74.44	
Max	74.67	74.85	74.82	75.89	75.28	75.60	76.22	75.07	74.66	74.60	74.55	74.50	76.22
Min	74.42	74.48	74.49	74.53	74.33	74.77	74.83	74.66	74.60	74.54	74.46	74.42	74.33
Annual Max Momentary Gage Height	76.88		m. (MSL.) ,			at 22.00 Hours ,	on Jul 19, 2021						
Zero Gage at Bottom Elevation	73.70		m. (MSL.) ,			River Bed	73.59	m. (MSL.)					
Left Bank Elevation		82.04		m. (MSL.) ,									
Right Bank Elevation		82.09		m. (MSL.) ,		Drainage Are	132	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.24	2.35	0.48	0.64	3.59	6.40	3.68	4.13	1.16	0.80	0.56	0.30	
2	0.24	0.76	0.40	0.64	1.76	5.52	3.10	3.59	1.16	0.76	0.52	0.30	
3	0.24	0.60	0.38	0.60	2.07	3.50	7.98	3.02	1.16	0.76	0.52	0.30	
4	0.40	0.52	0.44	0.56	2.78	3.42	8.96	2.78	1.16	0.76	0.52	0.28	
5	0.34	0.44	0.40	0.52	2.21	3.95	4.85	2.63	1.16	0.76	0.52	0.28	
6	0.30	0.44	0.40	0.52	1.88	2.86	8.96	2.42	1.10	0.76	0.48	0.28	
7	0.40	0.40	0.48	0.56	1.10	2.63	5.52	2.35	1.10	0.76	0.48	0.30	
8	0.68	0.40	0.52	0.64	0.64	3.26	3.42	2.35	1.10	0.72	0.48	0.40	
9	0.64	0.86	0.52	0.68	0.44	2.42	3.26	2.21	1.10	0.72	0.48	0.38	
10	0.56	0.56	0.52	0.76	0.40	2.07	2.78	2.14	1.04	0.72	0.44	0.34	
11	0.56	0.48	0.86	1.16	0.32	2.49	2.35	2.14	1.04	0.72	0.40	0.30	
12	0.60	0.44	0.98	1.22	0.26	2.35	2.21	2.14	0.98	0.72	0.38	0.28	
13	0.56	0.56	0.72	1.40	0.26	1.94	2.63	2.07	0.98	0.72	0.38	0.28	
14	0.86	0.56	0.80	0.92	0.28	1.94	2.56	2.07	0.98	0.68	0.38	0.28	
15	0.48	0.52	2.14	0.92	0.24	1.82	3.34	2.07	0.98	0.68	0.38	0.26	
16	0.40	0.48	2.00	3.02	0.24	1.82	3.86	2.00	0.98	0.68	0.40	0.26	
17	0.40	0.48	1.52	1.82	0.20	1.94	20.64	2.00	0.98	0.68	0.44	0.24	
18	0.44	0.48	1.22	1.94	0.16	1.88	8.10	1.94	0.92	0.68	0.48	0.26	
19	0.48	0.40	0.92	9.87	0.12	3.10	5.41	1.70	0.92	0.68	0.60	0.26	
20	0.38	0.36	0.76	10.77	0.08	2.94	4.40	1.46	0.92	0.68	0.56	0.28	
21	0.36	0.36	0.72	4.31	0.20	7.50	3.77	1.52	0.86	0.72	0.56	0.30	
22	0.36	0.36	0.68	5.21	0.24	7.28	3.95	1.46	0.86	0.76	0.48	0.30	
23	0.36	0.36	0.68	12.91	0.08	6.51	5.21	1.40	0.86	0.76	0.48	0.34	
24	0.36	0.38	0.68	6.51	0.06	3.50	8.22	1.40	0.86	0.72	0.40	0.34	
25	0.34	0.36	0.64	11.69	0.14	3.26	4.58	1.34	0.92	0.68	0.44	0.32	
26	0.34	0.48	0.68	13.22	0.30	10.00	3.77	1.28	0.92	0.68	0.38	0.28	
27	0.34	0.48	0.64	14.45	4.31	7.86	3.34	1.28	0.92	0.60	0.36	0.26	
28	0.34	0.56	1.10	6.29	3.02	5.03	3.10	1.22	0.86	0.60	0.32	0.26	
29	0.92	0.60	0.86	4.22	2.28	3.95	2.94	1.16	0.86	0.56		0.24	
30	1.22	0.52	0.72	2.56	2.94	3.34	2.94	1.16	0.80	0.56		0.24	
31		0.48		3.10	6.18		5.12		0.80	0.56		0.24	
Total	14.14	17.03	23.86	123.63	38.78	116.48	154.95	60.43	30.44	21.64	12.82	8.98	623.18 CMSDAY
Mean	0.47	0.55	0.80	3.99	1.25	3.88	5.00	2.01	0.98	0.70	0.46	0.29	1.71 CMS
Max	1.22	2.35	2.14	14.45	6.18	10.00	20.64	4.13	1.16	0.80	0.60	0.40	20.64 CMS
Min	0.24	0.36	0.38	0.52	0.06	1.82	2.21	1.16	0.80	0.56	0.32	0.24	0.06 CMS
Runoff	1.22	1.47	2.06	10.68	3.35	10.06	13.39	5.22	2.63	1.87	1.11	0.78	53.84 MCM
Momentary Peak	36.86 CMS. at 76.88 m. (MSL.) at 22.00 Hours , on Jul 19, 2021												
Runoff Yield	12.93	Liters/Second/Square KM.		Momentary Peak Yield		279.24	Liters/Second/Square KM.						

WATER YEAR : 2021**MAE KLONG RIVER BASIN****Lam Phachi at Ban Nong Phai , Kanchanaburi (K.62)**

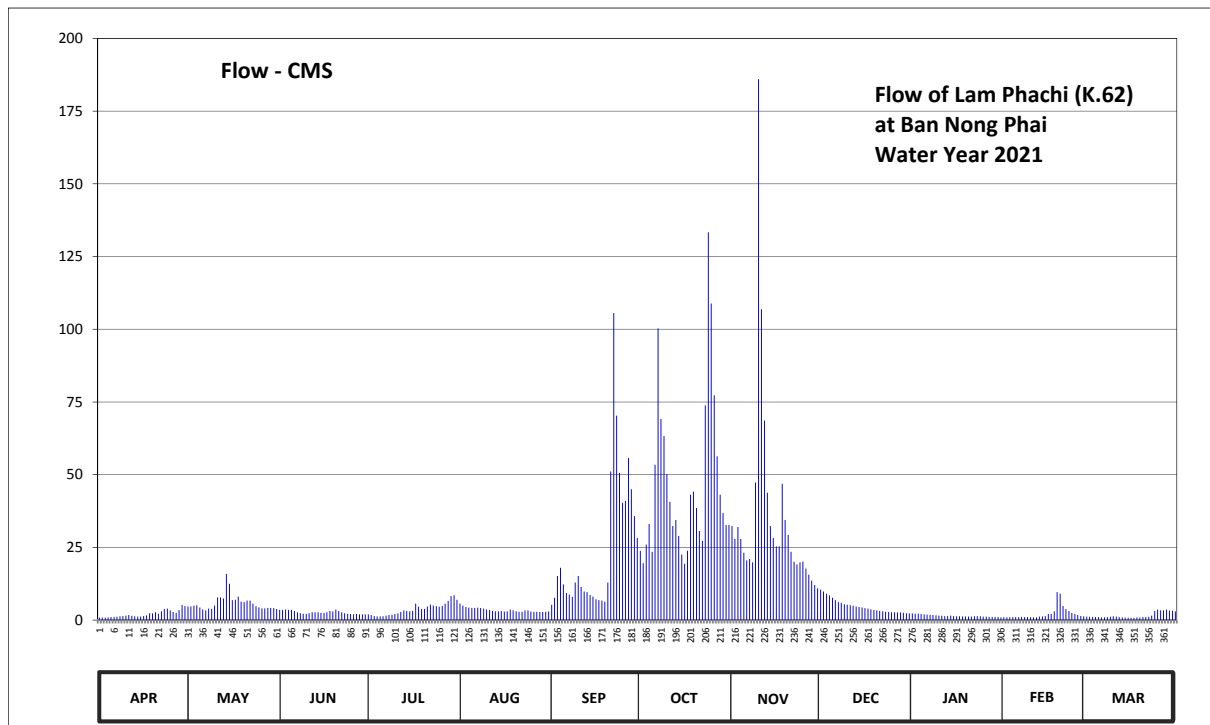
Lat 13 - 46 - 52 N Long 99 - 25 - 16 E

Location : on left bank at Ban Nong Phai.

	Ban Nong Phai	Amphoe	Dan Makham Tia	Changwat	Kanchanaburi
Drainage Area	2,234	sq.km.			
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 30 discharge measurements made in 2021.				

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	48.85	49.40	49.26	49.07	49.51	49.47	50.39	50.65	49.84	49.11	48.88	48.95	
2	48.85	49.40	49.26	49.04	49.44	49.66	50.24	50.52	49.81	49.10	48.88	48.93	
3	48.84	49.43	49.27	48.99	49.38	50.05	50.46	50.64	49.76	49.10	48.88	48.92	
4	48.86	49.45	49.26	48.96	49.35	50.17	50.67	50.52	49.72	49.08	48.89	48.90	
5	48.90	49.36	49.26	48.96	49.34	49.92	50.38	50.37	49.66	49.07	48.89	48.89	
6	48.91	49.28	49.21	48.98	49.34	49.78	51.19	50.28	49.60	49.06	48.90	48.87	
7	48.93	49.24	49.16	49.02	49.35	49.74	52.05	50.30	49.55	49.05	48.92	48.87	
8	48.97	49.31	49.12	49.04	49.34	49.68	51.52	50.25	49.53	49.04	48.90	48.90	
9	48.99	49.30	49.10	49.06	49.31	49.95	51.40	51.06	49.49	49.03	48.89	48.93	
10	49.02	49.44	49.09	49.08	49.27	50.05	51.12	53.14	49.47	49.02	48.88	48.97	
11	49.04	49.67	49.12	49.11	49.26	49.88	50.89	52.15	49.45	49.01	48.87	48.95	
12	49.01	49.67	49.16	49.17	49.22	49.81	50.65	51.51	49.43	48.99	48.87	48.90	
13	48.98	49.64	49.16	49.24	49.20	49.80	50.71	50.98	49.40	48.99	48.95	48.87	
14	48.95	50.08	49.16	49.22	49.20	49.73	50.55	50.65	49.38	49.02	48.96	48.85	
15	48.95	49.93	49.13	49.20	49.21	49.69	50.35	50.53	49.36	48.99	48.99	48.84	
16	49.00	49.60	49.13	49.22	49.19	49.62	50.23	50.44	49.33	48.98	49.08	48.83	
17	49.03	49.61	49.16	49.51	49.20	49.60	50.39	50.44	49.31	48.97	49.09	48.82	
18	49.12	49.69	49.21	49.39	49.27	49.59	50.96	51.05	49.28	48.96	49.20	48.87	
19	49.11	49.56	49.20	49.30	49.24	49.56	50.99	50.71	49.26	48.96	49.80	48.85	
20	49.16	49.55	49.27	49.30	49.20	49.95	50.83	50.56	49.24	48.94	49.76	48.89	
21	49.09	49.59	49.21	49.40	49.18	51.14	50.60	50.38	49.22	48.94	49.42	48.92	
22	49.20	49.59	49.16	49.48	49.18	52.13	50.50	50.26	49.20	48.98	49.29	48.93	
23	49.30	49.51	49.12	49.44	49.24	51.54	51.60	50.22	49.18	48.99	49.21	49.02	
24	49.31	49.41	49.09	49.41	49.24	51.13	52.54	50.25	49.17	48.97	49.13	49.21	
25	49.24	49.36	49.08	49.39	49.19	50.88	52.18	50.26	49.16	48.95	49.09	49.27	
26	49.17	49.32	49.07	49.42	49.18	50.90	51.66	50.16	49.16	48.94	49.04	49.24	
27	49.14	49.32	49.08	49.51	49.18	51.24	51.25	50.07	49.15	48.92	49.00	49.24	
28	49.25	49.34	49.07	49.58	49.17	51.01	50.96	49.98	49.15	48.92	48.98	49.27	
29	49.46	49.34	49.07	49.70	49.17	50.75	50.78	49.91	49.14	48.92		49.23	
30	49.42	49.33	49.07	49.72	49.18	50.53	50.66	49.86	49.12	48.91		49.22	
31		49.29		49.61	49.19		50.66		49.11	48.87		49.19	
Mean	49.07	49.48	49.16	49.27	49.26	50.23	50.95	50.60	49.38	48.99	49.06	48.99	
Max	49.46	50.08	49.27	49.72	49.51	52.13	52.54	53.14	49.84	49.11	49.80	49.27	53.14
Min	48.84	49.24	49.07	48.96	49.17	49.47	50.23	49.86	49.11	48.87	48.87	48.82	48.82
Annual Max Momentary Gage Height	53.41		m. (MSL.) ,			at 05.00 Hours ,	on Nov 10, 2021						
Zero Gage at Bottom Elevation	49.00		m. (MSL.) ,			River Bed	48.65	m. (MSL.)					
Left Bank Elevation		55.03		m. (MSL.) ,									
Right Bank Elevation		55.03		m. (MSL.) ,		Drainage Are	2,234	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.88	4.68	3.53	1.97	5.64	5.25	23.79	32.35	10.48	2.30	0.98	1.23	
2	0.88	4.68	3.53	1.73	5.01	7.69	19.60	27.89	9.82	2.22	0.98	1.16	
3	0.84	4.93	3.61	1.37	4.52	15.17	25.96	32.01	9.05	2.22	0.98	1.12	
4	0.91	5.09	3.53	1.26	4.27	17.97	33.04	27.89	8.51	2.06	1.02	1.05	
5	1.05	4.35	3.53	1.26	4.19	12.24	23.48	23.17	7.69	1.97	1.02	1.02	
6	1.09	3.70	3.12	1.33	4.19	9.33	53.43	20.53	6.87	1.89	1.05	0.95	
7	1.16	3.37	2.71	1.56	4.27	8.78	100.30	21.00	6.18	1.81	1.12	0.95	
8	1.30	3.94	2.38	1.73	4.19	7.96	69.16	19.83	5.91	1.73	1.05	1.05	
9	1.37	3.86	2.22	1.89	3.94	12.90	63.30	47.32	5.42	1.65	1.02	1.16	
10	1.56	5.01	2.14	2.06	3.61	15.17	50.14	186.00	5.25	1.56	0.98	1.30	
11	1.73	7.82	2.38	2.30	3.53	11.36	40.65	106.90	5.09	1.48	0.95	1.23	
12	1.48	7.82	2.71	2.79	3.20	9.82	32.35	68.58	4.93	1.37	0.95	1.05	
13	1.33	7.41	2.71	3.37	3.04	9.60	34.41	43.80	4.68	1.37	1.23	0.95	
14	1.23	15.87	2.71	3.20	3.04	8.64	28.92	32.35	4.52	1.56	1.26	0.88	
15	1.23	12.46	2.47	3.04	3.12	8.10	22.55	28.23	4.35	1.37	1.37	0.84	
16	1.40	6.87	2.47	3.20	2.96	7.14	19.37	25.34	4.11	1.33	2.06	0.81	
17	1.65	7.00	2.71	5.64	3.04	6.87	23.79	25.34	3.94	1.30	2.14	0.77	
18	2.38	8.10	3.12	4.60	3.61	6.73	43.10	46.85	3.70	1.26	3.04	0.95	
19	2.30	6.32	3.04	3.86	3.37	6.32	44.15	34.41	3.53	1.26	9.60	0.88	
20	2.71	6.18	3.61	3.86	3.04	12.90	38.55	29.26	3.37	1.19	9.05	1.02	
21	2.14	6.73	3.12	4.68	2.88	51.08	30.63	23.48	3.20	1.19	4.84	1.12	
22	3.04	6.73	2.71	5.34	2.88	105.58	27.20	20.07	3.04	1.33	3.78	1.16	
23	3.86	5.64	2.38	5.01	3.37	70.32	73.80	19.13	2.88	1.37	3.12	1.56	
24	3.94	4.76	2.14	4.76	3.37	50.61	133.36	19.83	2.79	1.30	2.47	3.12	
25	3.37	4.35	2.06	4.60	2.96	40.30	108.88	20.07	2.71	1.23	2.14	3.61	
26	2.79	4.02	1.97	4.84	2.88	41.00	77.28	17.73	2.71	1.19	1.73	3.37	
27	2.55	4.02	2.06	5.64	2.88	55.78	56.25	15.63	2.63	1.12	1.40	3.37	
28	3.45	4.19	1.97	6.59	2.79	44.97	43.10	13.56	2.63	1.12	1.33	3.61	
29	5.17	4.19	1.97	8.23	2.79	35.78	36.81	12.02	2.55	1.12		3.29	
30	4.84	4.11	1.97	8.51	2.88	28.23	32.69	10.92	2.38	1.09		3.20	
31		3.78		7.00	2.96		32.69		2.30	0.95		2.96	
Total	63.63	181.98	80.58	117.22	108.42	723.59	1442.73	1051.49	147.22	45.91	62.66	50.74	4076.17 CMSDAY
Mean	2.12	5.87	2.69	3.78	3.50	24.12	46.54	35.05	4.75	1.48	2.24	1.64	11.17 CMS
Max	5.17	15.87	3.61	8.51	5.64	105.58	133.36	186.00	10.48	2.30	9.60	3.61	186.00 CMS
Min	0.84	3.37	1.97	1.26	2.79	5.25	19.37	10.92	2.30	0.95	0.95	0.77	0.77 CMS
Runoff	5.50	15.72	6.96	10.13	9.37	62.52	124.65	90.85	12.72	3.97	5.41	4.38	352.18 MCM
Momentary Peak	213.00 CMS. at 53.41 m. (MSL.) at 05.00 Hours , on Nov 10, 2021												
Runoff Yield	5.00	Liters/Second/Square KM.		Momentary Peak Yield		95.34	Liters/Second/Square KM.						

WATER YEAR : 2021**PRACHIN BURI RIVER BASIN****Prachin Buri River at Ban Kabin Buri , Prachin Buri (Kgt.3)**

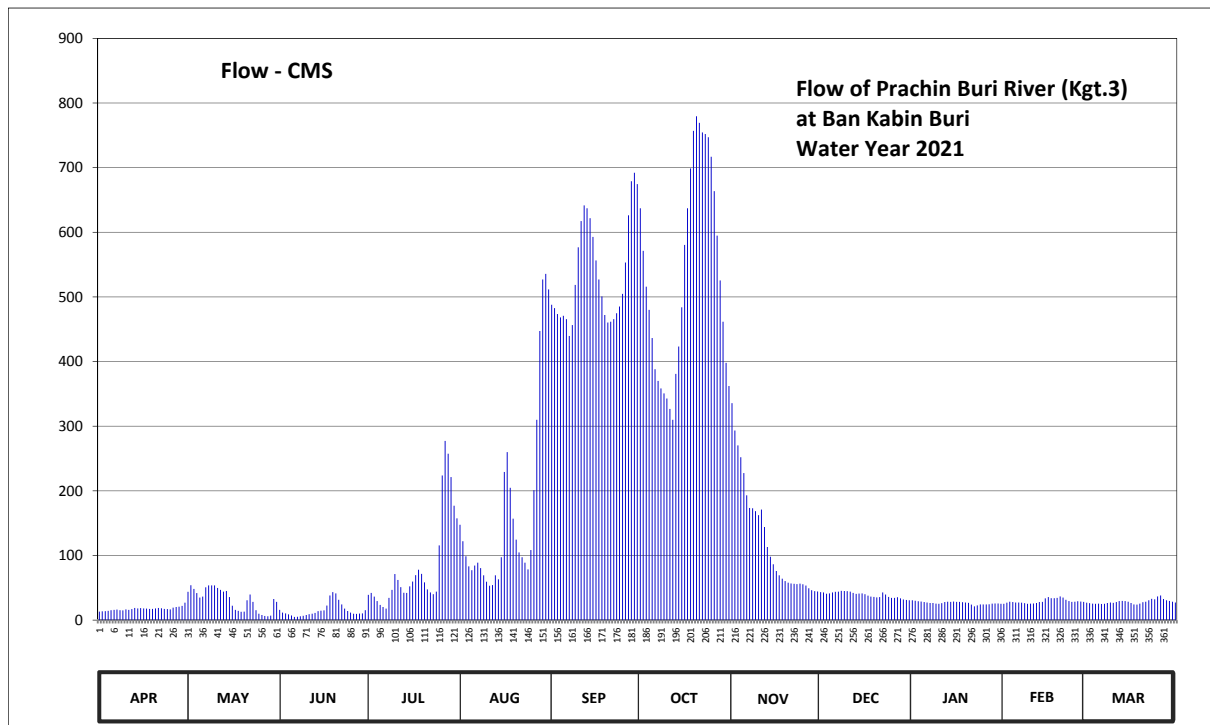
Lat 13 - 59 - 12 N Long 101 - 42 - 19 E

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
Drainage 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.), records are channel flow only.		
General Description	Records very good. Stage-discharge relation defined by 55 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.64	1.66	0.73	1.50	4.23	8.76	9.66	7.27	1.64	1.22	1.04	1.10	
2	0.65	2.00	0.58	1.60	3.72	8.72	9.33	6.72	1.63	1.20	1.10	1.07	
3	0.66	1.81	0.52	1.41	3.17	8.65	8.97	6.39	1.56	1.17	1.15	1.05	
4	0.68	1.59	0.45	1.18	2.78	8.61	8.70	6.10	1.58	1.16	1.13	1.04	
5	0.71	1.36	0.36	0.98	2.63	8.63	8.34	5.69	1.63	1.13	1.11	1.05	
6	0.73	1.41	0.25	0.88	2.81	8.59	7.88	5.12	1.66	1.11	1.11	1.03	
7	0.74	1.89	0.26	0.79	2.92	8.37	7.68	4.75	1.67	1.08	1.10	1.04	
8	0.71	1.99	0.29	1.35	2.71	8.52	7.55	4.74	1.71	1.08	1.07	1.08	
9	0.70	1.99	0.33	1.76	2.43	8.99	7.46	4.65	1.70	1.05	1.04	1.11	
10	0.75	1.99	0.39	2.48	2.18	9.36	7.36	4.53	1.69	1.04	1.05	1.09	
11	0.73	1.86	0.46	2.25	1.97	9.57	7.16	4.70	1.67	1.07	1.06	1.13	
12	0.77	1.76	0.50	1.90	2.01	9.68	6.95	4.16	1.60	1.13	1.08	1.18	
13	0.83	1.67	0.55	1.61	2.43	9.66	7.80	3.53	1.55	1.15	1.13	1.19	
14	0.80	1.70	0.66	1.60	2.28	9.59	8.22	3.15	1.57	1.14	1.14	1.18	
15	0.82	1.39	0.69	1.94	3.13	9.45	8.73	2.86	1.58	1.16	1.32	1.15	
16	0.80	0.94	0.70	2.19	5.72	9.24	9.38	2.60	1.54	1.14	1.39	1.08	
17	0.79	0.73	0.95	2.44	6.23	9.05	9.66	2.43	1.46	1.14	1.33	1.01	
18	0.78	0.68	1.47	2.65	5.31	8.86	9.94	2.30	1.41	1.12	1.33	1.00	
19	0.78	0.63	1.64	2.49	4.42	8.64	10.18	2.21	1.40	1.11	1.35	1.05	
20	0.80	0.64	1.58	2.15	3.77	8.55	10.27	2.13	1.37	1.09	1.42	1.12	
21	0.83	1.22	1.25	1.78	3.32	8.56	10.23	2.09	1.39	1.00	1.36	1.15	
22	0.81	1.52	1.01	1.63	3.13	8.59	10.17	2.07	1.63	0.91	1.25	1.22	
23	0.78	1.14	0.79	1.54	2.92	8.66	10.16	2.06	1.52	0.96	1.18	1.30	
24	0.77	0.71	0.67	1.67	2.66	8.74	10.14	2.08	1.40	1.01	1.14	1.27	
25	0.75	0.50	0.58	3.59	3.41	8.89	10.02	2.05	1.35	1.01	1.15	1.42	
26	0.84	0.40	0.49	5.63	5.25	9.22	9.78	1.98	1.35	1.01	1.17	1.47	
27	0.88	0.32	0.48	6.49	6.95	9.61	9.46	1.84	1.38	1.02	1.16	1.29	
28	0.89	0.29	0.51	6.19	8.44	9.85	9.04	1.74	1.32	1.05	1.14	1.22	
29	0.93	0.34	0.52	5.59	9.05	9.91	8.56	1.69	1.26	1.06		1.19	
30	1.10	1.29	0.71	4.82	9.11	9.83	7.98	1.68	1.24	1.06		1.15	
31		1.14		4.43	8.94		7.59		1.22	1.04		1.11	
Mean	0.78	1.24	0.68	2.53	4.19	9.04	8.85	3.51	1.51	1.08	1.18	1.15	
Max	1.10	2.00	1.64	6.49	9.11	9.91	10.27	7.27	1.71	1.22	1.42	1.47	10.27
Min	0.64	0.29	0.25	0.79	1.97	8.37	6.95	1.68	1.22	0.91	1.04	1.00	0.25
Annual Max Momentary Gage Height	10.29		m. (MSL.) ,			at 09.00 Hours, on Oct 20, 2021							
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	13.20	43.80	15.90	39.00	147.50	487.80	637.20	335.60	43.20	30.60	25.20	27.00		
2	13.50	54.00	11.60	42.00	122.00	482.60	571.40	293.40	42.90	30.00	27.00	26.10		
3	13.80	48.30	10.40	36.30	98.80	473.50	515.80	270.30	40.80	29.10	28.50	25.50		
4	14.40	41.70	9.00	29.40	83.20	468.30	480.00	252.00	41.40	28.80	27.90	25.20		
5	15.30	34.80	7.20	23.40	77.20	470.90	436.40	227.40	42.90	27.90	27.30	25.50		
6	15.90	36.30	5.00	20.40	84.40	465.70	388.20	193.20	43.80	27.30	27.30	24.90		
7	16.20	50.70	5.20	17.70	88.80	439.70	370.20	173.50	44.10	26.40	27.00	25.20		
8	15.30	53.70	5.80	34.50	80.40	456.60	358.50	173.00	45.30	26.40	26.10	26.40		
9	15.00	53.70	6.60	46.80	69.20	518.60	350.80	168.50	45.00	25.50	25.20	27.30		
10	16.50	53.70	7.80	71.20	59.40	576.80	342.80	162.50	44.70	25.20	25.50	26.70		
11	15.90	49.80	9.20	62.00	53.10	617.40	326.80	171.00	44.10	26.10	25.80	27.90		
12	17.10	46.80	10.00	51.00	54.30	641.60	310.00	144.00	42.00	27.90	26.40	29.40		
13	18.90	44.10	11.00	42.30	69.20	637.20	381.00	113.20	40.50	28.50	27.90	29.70		
14	18.00	45.00	13.80	42.00	63.20	621.80	423.20	98.00	41.10	28.20	28.20	29.40		
15	18.60	35.70	14.70	52.20	97.20	593.00	483.90	86.40	41.40	28.80	33.60	28.50		
16	18.00	22.20	15.00	59.70	229.20	556.40	580.40	76.00	40.20	28.20	35.70	26.40		
17	17.70	15.90	22.50	69.60	259.80	527.00	637.20	69.20	37.80	28.20	33.90	24.30		
18	17.40	14.40	38.10	78.00	204.60	500.80	698.80	64.00	36.30	27.60	33.90	24.00		
19	17.40	12.90	43.20	71.60	157.00	472.20	757.00	60.40	36.00	27.30	34.50	25.50		
20	18.00	13.20	41.40	58.50	124.50	460.50	779.50	57.90	35.10	26.70	36.60	27.60		
21	18.90	30.60	31.50	47.40	104.80	461.80	769.50	56.70	35.70	24.00	34.80	28.50		
22	18.30	39.60	24.30	42.90	97.20	465.70	754.50	56.10	42.90	21.30	31.50	30.60		
23	17.40	28.20	17.70	40.20	88.80	474.80	752.00	55.80	39.60	22.80	29.40	33.00		
24	17.10	15.30	14.10	44.10	78.40	485.20	747.00	56.40	36.00	24.30	28.20	32.10		
25	16.50	10.00	11.60	115.60	108.40	504.70	717.00	55.50	34.50	24.30	28.50	36.60		
26	19.20	8.00	9.80	223.80	201.00	553.20	663.60	53.40	34.50	24.30	29.10	38.10		
27	20.40	6.40	9.60	277.30	310.00	626.20	594.80	49.20	35.40	24.60	28.80	32.70		
28	20.70	5.80	10.20	257.40	447.40	679.00	525.60	46.20	33.60	25.50	28.20	30.60		
29	21.90	6.80	10.40	221.40	527.00	692.20	461.80	44.70	31.80	25.80		29.70		
30	27.00	32.70	15.30	177.00	535.60	674.60	398.00	44.40	31.20	25.80		28.50		
31		28.20		157.50	511.60		362.10		30.60	25.20		27.30		
Total	523.50	982.30	457.90	2552.20	5233.20	16085.80	16575.00	3707.90	1214.40	822.60	822.00	880.20	49857.00	CMSDAY
Mean	17.45	31.69	15.26	82.33	168.81	536.19	534.68	123.60	39.17	26.54	29.36	28.39	136.59	CMS
Max	27.00	54.00	43.20	277.30	535.60	692.20	779.50	335.60	45.30	30.60	36.60	38.10	779.50	CMS
Min	13.20	5.80	5.00	17.70	53.10	439.70	310.00	44.40	30.60	21.30	25.20	24.00	5.00	CMS
Runoff	45.23	84.87	39.56	220.51	452.15	1389.81	1432.08	320.36	104.92	71.07	71.02	76.05	4307.64	MCM
Momentary Peak	784.50 CMS, at 10.29 m. (MSL.), at 09:00 Hours, on Oct 20, 2021													
Runoff Yield	18.37	Liters/Second/Square KM.			Momentary Peak Yield			105.53	Liters/Second/Square KM.					

WATER YEAR : 2021

PRACHIN BURI RIVER BASIN

Khleng Phra Sathung at Ban Khao Chakan , Sa Kao (Kgt.9)

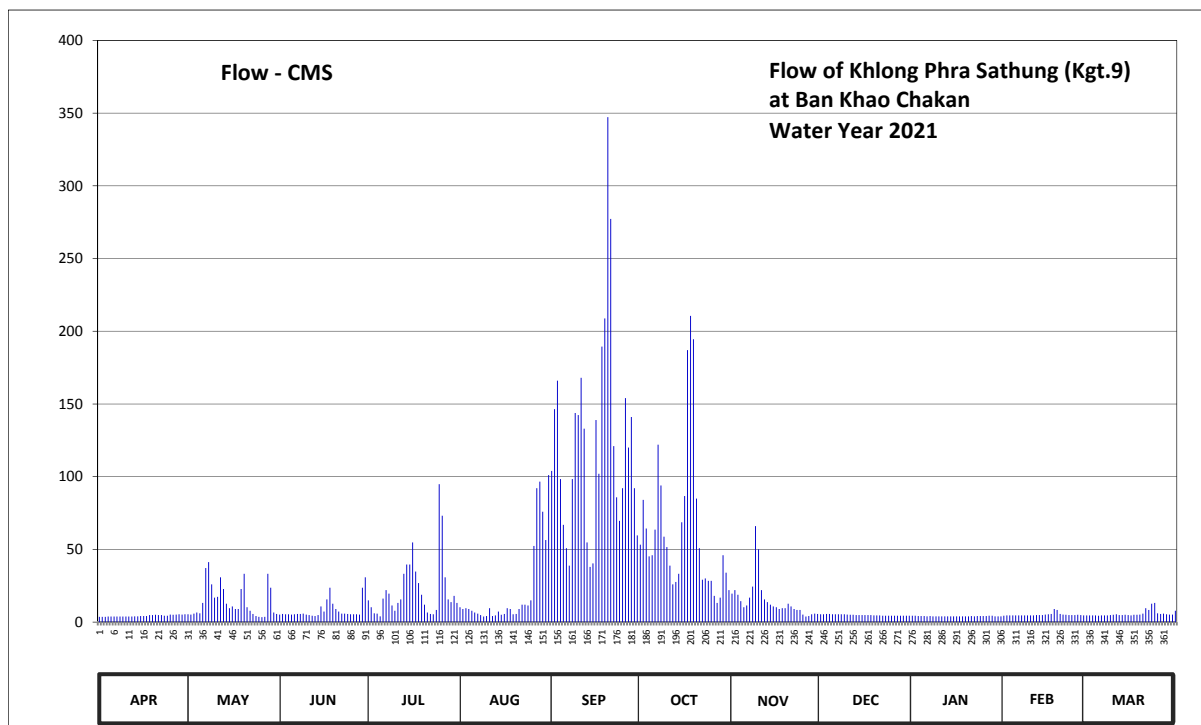
Lat 13 - 40 - 10 N Long 102 - 04 - 29 E

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	No overbank flow.		
General Description	Records very good. Stage-discharge relation defined by 53 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	43.28	43.37	43.36	43.55	43.47	44.62	44.04	43.62	43.37	43.32	43.32	43.33	
2	43.28	43.36	43.38	43.47	43.45	45.16	44.40	43.65	43.37	43.32	43.33	43.33	
3	43.28	43.39	43.37	43.40	43.46	45.56	44.18	43.61	43.38	43.31	43.33	43.33	
4	43.29	43.41	43.37	43.39	43.45	44.56	43.94	43.54	43.38	43.31	43.33	43.33	
5	43.29	43.40	43.36	43.30	43.43	44.21	43.95	43.47	43.37	43.31	43.33	43.32	
6	43.29	43.52	43.37	43.57	43.41	44.01	44.17	43.49	43.37	43.30	43.33	43.33	
7	43.29	43.84	43.38	43.65	43.39	43.86	44.80	43.58	43.37	43.31	43.33	43.33	
8	43.29	43.89	43.38	43.62	43.34	44.56	44.51	43.68	43.37	43.30	43.33	43.33	
9	43.29	43.70	43.39	43.49	43.29	45.09	44.11	44.20	43.37	43.30	43.33	43.34	
10	43.29	43.58	43.36	43.43	43.31	45.02	44.02	44.00	43.36	43.30	43.33	43.35	
11	43.29	43.59	43.34	43.52	43.46	45.60	43.86	43.65	43.35	43.30	43.33	43.37	
12	43.29	43.76	43.32	43.56	43.31	44.91	43.70	43.56	43.35	43.30	43.34	43.34	
13	43.30	43.66	43.31	43.79	43.33	44.06	43.72	43.53	43.34	43.30	43.34	43.34	
14	43.30	43.51	43.34	43.87	43.42	43.85	43.79	43.50	43.34	43.30	43.34	43.35	
15	43.31	43.46	43.48	43.87	43.35	43.88	44.23	43.48	43.34	43.30	43.36	43.34	
16	43.31	43.48	43.42	44.06	43.38	44.97	44.43	43.47	43.34	43.30	43.37	43.33	
17	43.31	43.45	43.56	43.81	43.46	44.60	45.98	43.45	43.34	43.30	43.38	43.35	
18	43.34	43.45	43.67	43.71	43.45	46.03	46.41	43.46	43.34	43.30	43.45	43.35	
19	43.34	43.66	43.51	43.61	43.37	46.38	46.13	43.46	43.33	43.30	43.44	43.36	
20	43.35	43.79	43.45	43.50	43.38	48.39	44.41	43.51	43.33	43.30	43.38	43.39	
21	43.34	43.47	43.42	43.41	43.45	47.49	44.01	43.48	43.33	43.31	43.36	43.46	
22	43.34	43.43	43.39	43.38	43.50	44.79	43.74	43.45	43.32	43.30	43.35	43.44	
23	43.32	43.38	43.39	43.37	43.50	44.42	43.75	43.44	43.32	43.31	43.34	43.51	
24	43.32	43.31	43.38	43.44	43.49	44.24	43.73	43.44	43.32	43.31	43.34	43.52	
25	43.36	43.28	43.37	44.52	43.55	44.49	43.73	43.36	43.32	43.31	43.34	43.40	
26	43.35	43.27	43.37	44.28	44.03	45.32	43.60	43.29	43.32	43.31	43.35	43.38	
27	43.36	43.28	43.37	43.76	44.49	44.78	43.52	43.31	43.32	43.32	43.34	43.39	
28	43.37	43.79	43.36	43.56	44.54	44.99	43.58	43.37	43.32	43.32	43.33	43.37	
29	43.36	43.67	43.67	43.53	44.31	44.49	43.95	43.39	43.32	43.30		43.36	
30	43.37	43.41	43.76	43.60	44.08	44.12	43.80	43.38	43.32	43.30		43.36	
31		43.38		43.52	44.59		43.65		43.32	43.30		43.43	
Mean	43.32	43.51	43.42	43.63	43.59	44.95	44.19	43.53	43.34	43.31	43.35	43.37	
Max	43.37	43.89	43.76	44.52	44.59	48.39	46.41	44.20	43.38	43.32	43.45	43.52	48.39
Min	43.28	43.27	43.31	43.30	43.29	43.85	43.52	43.29	43.32	43.30	43.32	43.32	43.27
Annual Max Momentary Gage Height	48.57	m. (MSL.) ,		at 15.00 Hours, on Sep 20, 2021									
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.60	5.40	5.20	15.00	10.20	104.00	53.20	19.60	5.40	4.40	4.40	4.60		
2	3.60	5.20	5.60	10.20	9.00	146.40	84.00	22.00	5.40	4.40	4.60	4.60		
3	3.60	5.80	5.40	6.00	9.60	166.00	64.40	18.80	5.60	4.20	4.60	4.60		
4	3.80	6.60	5.40	5.80	9.00	98.40	45.20	14.40	5.60	4.20	4.60	4.60		
5	3.80	6.00	5.20	4.00	7.80	66.90	46.00	10.20	5.40	4.20	4.60	4.40		
6	3.80	13.20	5.40	16.20	6.60	50.80	63.60	11.40	5.40	4.00	4.60	4.60		
7	3.80	37.20	5.60	22.00	5.80	38.80	122.00	16.80	5.40	4.20	4.60	4.60		
8	3.80	41.20	5.60	19.60	4.80	98.40	93.90	24.40	5.40	4.00	4.60	4.60		
9	3.80	26.00	5.80	11.40	3.80	143.80	58.80	66.00	5.40	4.00	4.60	4.80		
10	3.80	16.80	5.20	7.80	4.20	142.40	51.60	50.00	5.20	4.00	4.60	5.00		
11	3.80	17.40	4.80	13.20	9.60	168.00	38.80	22.00	5.00	4.00	4.60	5.40		
12	3.80	30.80	4.40	15.60	4.20	133.00	26.00	15.60	5.00	4.00	4.80	4.80		
13	4.00	22.80	4.20	33.20	4.60	54.80	27.60	13.80	4.80	4.00	4.80	4.80		
14	4.00	12.60	4.80	39.60	7.20	38.00	33.20	12.00	4.80	4.00	4.80	5.00		
15	4.20	9.60	10.80	39.60	5.00	40.40	68.70	10.80	4.80	4.00	5.20	4.80		
16	4.20	10.80	7.20	54.80	5.60	139.00	86.70	10.20	4.80	4.00	5.40	4.60		
17	4.20	9.00	15.60	34.80	9.60	102.00	187.00	9.00	4.80	4.00	5.60	5.00		
18	4.80	9.00	23.60	26.80	9.00	189.50	210.60	9.60	4.80	4.00	9.00	5.00		
19	4.80	22.80	12.60	18.80	5.40	208.80	194.50	9.60	4.60	4.00	8.40	5.20		
20	5.00	33.20	9.00	12.00	5.60	347.20	84.90	12.60	4.60	4.00	5.60	5.80		
21	4.80	10.20	7.20	6.60	9.00	277.30	50.80	10.80	4.60	4.20	5.20	9.60		
22	4.80	7.80	5.80	5.60	12.00	121.00	29.20	9.00	4.40	4.00	5.00	8.40		
23	4.40	5.60	5.80	5.40	12.00	85.80	30.00	8.40	4.40	4.20	4.80	12.60		
24	4.40	4.20	5.60	8.40	11.40	69.60	28.40	8.40	4.40	4.20	4.80	13.20		
25	5.20	3.60	5.40	94.80	15.00	92.10	28.40	5.20	4.40	4.20	4.80	6.00		
26	5.00	3.40	5.40	73.20	52.40	154.00	18.00	3.80	4.40	4.20	5.00	5.60		
27	5.20	3.60	5.40	30.80	92.10	120.00	13.20	4.20	4.40	4.40	4.80	5.80		
28	5.40	33.20	5.20	15.60	96.60	141.00	16.80	5.40	4.40	4.40	4.60	5.40		
29	5.20	23.60	23.60	13.80	75.90	92.10	46.00	5.80	4.40	4.00		5.20		
30	5.40	6.60	30.80	18.00	56.40	59.60	34.00	5.60	4.40	4.00		5.20		
31		5.60		13.20	101.10		22.00		4.40	4.00		7.80		
Total	130.00	448.80	251.60	691.80	670.50	3689.10	1957.50	445.40	150.80	127.40	143.00	181.60	8887.50	CMSDAY
Mean	4.33	14.48	8.39	22.32	21.63	122.97	63.15	14.85	4.86	4.11	5.11	5.86	24.35	CMS
Max	5.40	41.20	30.80	94.80	101.10	347.20	210.60	66.00	5.60	4.40	9.00	13.20	347.20	CMS
Min	3.60	3.40	4.20	4.00	3.80	38.00	13.20	3.80	4.40	4.00	4.40	4.40	3.40	CMS
Runoff	11.23	38.78	21.74	59.77	57.93	318.74	169.13	38.48	13.03	11.01	12.36	15.69	767.88	MCM
Momentary Peak CMS, at 48.57 m. (MSL.), at 15.00 Hours, on Sep 20, 2021														
Runoff Yield	10.71			Liters/Second/Square KM.			Momentary Peak Yield	159.08					Liters/Second/Square KM.	

WATER YEAR : 2021

PRACHIN BURI RIVER BASIN

Khlong Phra Prong at Ban Kaeng , Sa Kao (Kgt.12)

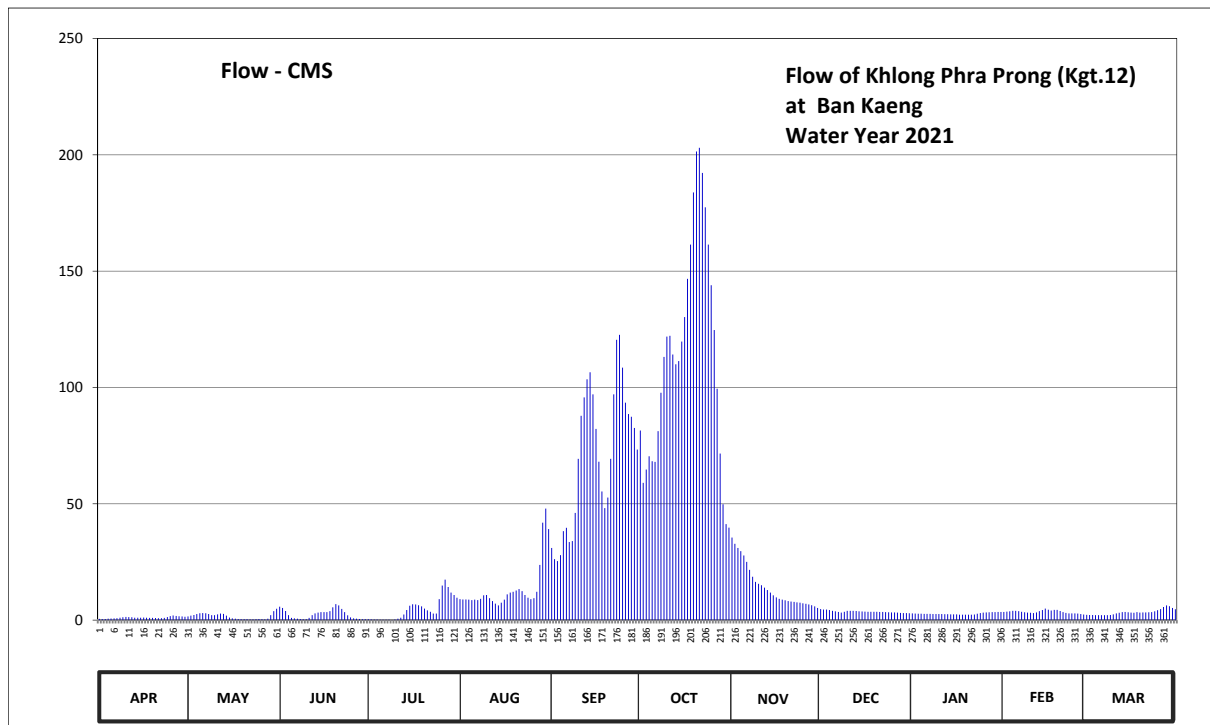
Lat 13 - 56 - 11 N Long 101 - 58 - 20 E

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	1,474 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+13.835 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank in front of the gage observer's house.	Elevation	+24.808 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	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 66 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	15.01	15.32	16.08	14.97	16.40	18.10	19.50	17.80	15.95	15.58	15.70	15.45	
2	15.00	15.38	16.02	14.94	16.39	17.72	18.74	17.69	15.91	15.56	15.73	15.44	
3	15.00	15.44	15.78	14.92	16.39	17.64	18.94	17.60	15.90	15.55	15.76	15.44	
4	15.03	15.52	15.43	14.90	16.38	17.89	19.13	17.53	15.87	15.55	15.79	15.43	
5	15.06	15.59	15.17	14.89	16.36	18.58	19.06	17.44	15.80	15.54	15.80	15.43	
6	15.09	15.61	15.11	14.89	16.38	18.66	19.05	17.30	15.75	15.54	15.77	15.42	
7	15.13	15.59	15.03	14.88	16.36	18.27	19.49	17.13	15.70	15.54	15.72	15.42	
8	15.20	15.52	14.98	14.89	16.41	18.30	20.02	16.98	15.65	15.52	15.67	15.42	
9	15.25	15.42	14.95	14.83	16.51	18.98	20.46	16.87	15.72	15.52	15.64	15.44	
10	15.27	15.42	14.96	14.91	16.52	19.96	20.71	16.83	15.79	15.52	15.63	15.50	
11	15.26	15.49	15.18	15.05	16.43	20.47	20.72	16.80	15.80	15.52	15.61	15.57	
12	15.24	15.56	15.43	15.21	16.32	20.66	20.49	16.73	15.79	15.51	15.66	15.63	
13	15.21	15.53	15.57	15.48	16.21	20.83	20.37	16.66	15.78	15.51	15.77	15.68	
14	15.21	15.39	15.64	15.87	16.13	20.89	20.41	16.59	15.76	15.50	15.87	15.70	
15	15.21	15.22	15.68	16.12	16.25	20.69	20.65	16.51	15.74	15.50	15.99	15.67	
16	15.22	15.09	15.69	16.18	16.38	20.33	20.95	16.45	15.73	15.49	15.89	15.64	
17	15.20	15.05	15.68	16.17	16.54	19.92	21.42	16.41	15.72	15.47	15.83	15.63	
18	15.19	14.98	15.77	16.14	16.59	19.43	21.81	16.38	15.71	15.46	15.88	15.68	
19	15.19	14.95	16.05	16.09	16.61	19.08	22.37	16.35	15.71	15.47	15.88	15.65	
20	15.16	14.96	16.19	15.99	16.65	19.31	22.81	16.32	15.71	15.47	15.78	15.66	
21	15.12	14.96	16.13	15.84	16.69	19.96	22.85	16.30	15.70	15.47	15.69	15.66	
22	15.13	14.94	15.96	15.72	16.63	20.69	22.58	16.28	15.70	15.48	15.62	15.67	
23	15.18	14.94	15.68	15.56	16.52	21.17	22.21	16.26	15.69	15.55	15.58	15.69	
24	15.26	14.97	15.41	15.56	16.44	21.21	21.81	16.25	15.67	15.61	15.58	15.75	
25	15.34	14.99	15.23	16.40	16.40	20.93	21.34	16.22	15.66	15.64	15.58	15.85	
26	15.40	14.97	15.11	16.79	16.43	20.61	20.79	16.20	15.66	15.66	15.56	15.95	
27	15.35	14.93	15.03	16.92	16.61	20.49	20.07	16.17	15.64	15.67	15.52	16.06	
28	15.33	15.03	14.98	16.75	17.47	20.46	19.17	16.14	15.62	15.68	15.48	16.13	
29	15.31	15.43	14.95	16.59	18.77	20.34	18.37	16.09	15.61	15.69		16.10	
30	15.29	15.77	14.95	16.52	19.07	20.08	18.03	16.02	15.60	15.70		16.02	
31		15.97		16.44	18.63		17.97		15.59	15.70		15.94	
Mean	15.19	15.29	15.46	15.69	16.71	19.72	20.40	16.68	15.73	15.55	15.71	15.67	
Max	15.40	15.97	16.19	16.92	19.07	21.21	22.85	17.80	15.95	15.70	15.99	16.13	22.85
Min	15.00	14.93	14.95	14.83	16.13	17.64	17.97	16.02	15.59	15.46	15.48	15.42	14.83
Annual Max Momentary Gage Height	22.90		m. (MSL.) ,			at 23.00 Hours, on Oct 20, 2021							
Zero Gage at Bottom Elevation	13.84		m. (MSL.) ,			River Bed	12.62	m. (MSL.)					
Left Bank Elevation	23.30		m. (MSL.) ,										
Right Bank Elevation	23.38		m. (MSL.) ,			Drainage Are	1,474	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.53	1.60	5.80	0.43	9.00	31.00	81.50	35.50	4.75	2.90	3.50	2.25		
2	0.50	1.90	5.20	0.35	8.90	26.20	59.00	32.80	4.55	2.80	3.65	2.20		
3	0.50	2.20	3.90	0.30	8.90	25.40	64.70	31.00	4.50	2.75	3.80	2.20		
4	0.58	2.60	2.15	0.25	8.80	27.90	70.40	29.60	4.35	2.75	3.95	2.15		
5	0.65	2.95	0.93	0.23	8.60	38.20	68.30	27.80	4.00	2.70	4.00	2.15		
6	0.73	3.05	0.78	0.23	8.80	39.70	68.00	25.00	3.75	2.70	3.85	2.10		
7	0.83	2.95	0.58	0.20	8.60	33.55	81.20	21.60	3.50	2.70	3.60	2.10		
8	1.00	2.60	0.45	0.23	9.15	34.00	97.70	18.60	3.25	2.60	3.35	2.10		
9	1.25	2.10	0.38	0.08	10.65	46.10	113.10	16.40	3.60	2.60	3.20	2.20		
10	1.35	2.10	0.40	0.28	10.80	69.30	121.85	15.60	3.95	2.60	3.15	2.50		
11	1.30	2.45	0.95	0.63	9.45	87.80	122.20	15.00	4.00	2.60	3.05	2.85		
12	1.20	2.80	2.15	1.05	8.20	95.70	114.15	13.95	3.95	2.55	3.30	3.15		
13	1.05	2.65	2.85	2.40	7.10	103.50	109.95	12.90	3.90	2.55	3.85	3.40		
14	1.05	1.95	3.20	4.35	6.30	106.50	111.35	11.85	3.80	2.50	4.35	3.50		
15	1.05	1.10	3.40	6.20	7.50	97.05	119.75	10.65	3.70	2.50	4.95	3.35		
16	1.10	0.73	3.45	6.80	8.80	82.20	130.25	9.75	3.65	2.45	4.45	3.20		
17	1.00	0.63	3.40	6.70	11.10	68.10	146.70	9.15	3.60	2.35	4.15	3.15		
18	0.98	0.45	3.85	6.40	11.85	55.25	161.40	8.80	3.55	2.30	4.40	3.40		
19	0.98	0.38	5.50	5.90	12.15	48.10	183.80	8.50	3.55	2.35	4.40	3.25		
20	0.90	0.40	6.90	4.95	12.75	52.70	201.40	8.20	3.55	2.35	3.90	3.30		
21	0.80	0.40	6.30	4.20	13.35	69.30	203.00	8.00	3.50	2.35	3.45	3.30		
22	0.83	0.35	4.80	3.60	12.45	97.05	192.20	7.80	3.50	2.40	3.10	3.35		
23	0.95	0.35	3.40	2.80	10.80	120.50	177.40	7.60	3.45	2.75	2.90	3.45		
24	1.30	0.43	2.05	2.80	9.60	122.60	161.40	7.50	3.35	3.05	2.90	3.75		
25	1.70	0.48	1.15	9.00	9.00	108.50	143.90	7.20	3.30	3.20	2.90	4.25		
26	2.00	0.43	0.78	14.85	9.45	93.45	124.65	7.00	3.30	3.30	2.80	4.75		
27	1.75	0.33	0.58	17.40	12.15	88.60	99.45	6.70	3.20	3.35	2.60	5.60		
28	1.65	0.58	0.45	14.25	23.70	87.40	71.60	6.40	3.10	3.40	2.40	6.30		
29	1.55	2.15	0.38	11.85	41.90	82.60	49.75	5.90	3.05	3.45		6.00		
30	1.45	3.85	0.38	10.80	47.90	73.30	41.25	5.20	3.00	3.50		5.20		
31		4.85		9.60	39.10		39.75		2.95	3.50		4.70		
Total	32.51	51.79	76.49	149.11	416.80	2111.55	3531.05	431.95	113.15	85.85	99.90	105.15	7205.30	CMSDAY
Mean	1.08	1.67	2.55	4.81	13.45	70.38	113.90	14.40	3.65	2.77	3.57	3.39	19.74	CMS
Max	2.00	4.85	6.90	17.40	47.90	122.60	203.00	35.50	4.75	3.50	4.95	6.30	203.00	CMS
Min	0.50	0.33	0.38	0.08	6.30	25.40	39.75	5.20	2.95	2.30	2.40	2.10	0.08	CMS
Runoff	2.81	4.47	6.61	12.88	36.01	182.44	305.08	37.32	9.78	7.42	8.63	9.08	622.54	MCM
Momentary Peak		205.00	CMS, at 22.90 m. (MSL.), at 23.00 Hours, on Oct 20, 2021											
Runoff Yield		13.39	Liters/Second/Square KM.				139.08		Liters/Second/Square KM.					

WATER YEAR : 2021**PRACHIN BURI RIVER BASIN****Khlong Phra Prong at Ban Non Suk Phum , Prachin Buri (Kgt.13A)**

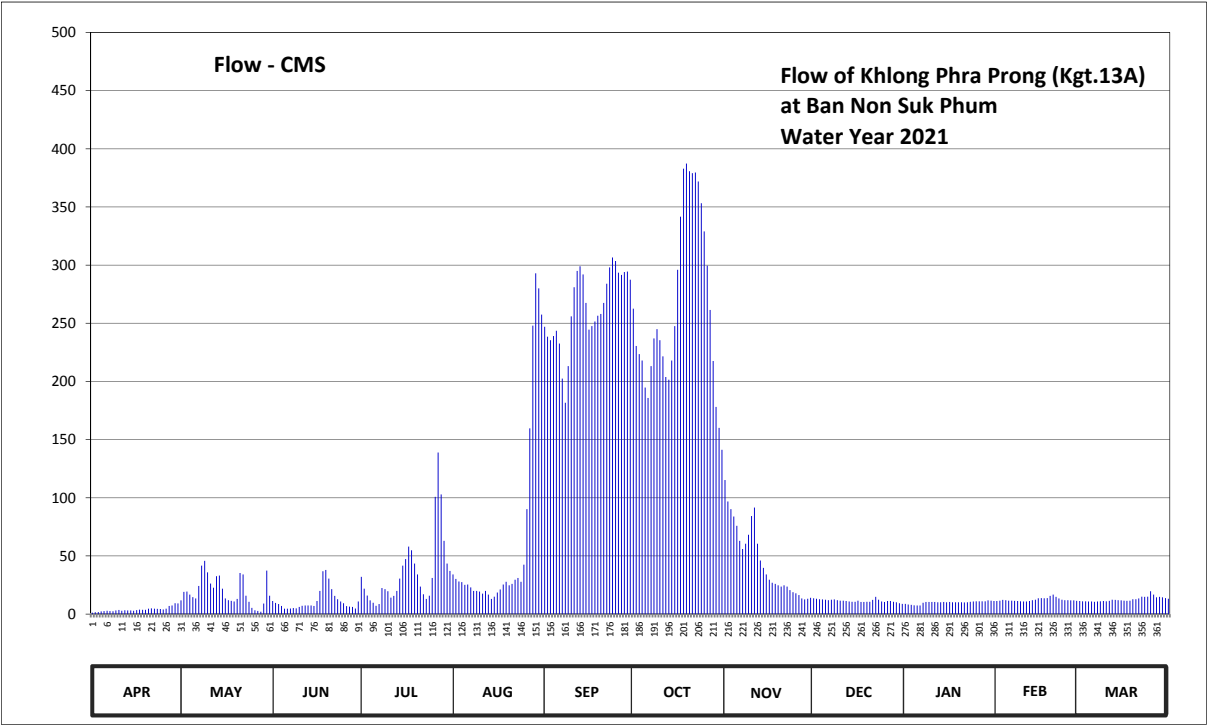
Lat 13 - 54 - 36 N Long 101 - 50 - 18 E

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.		
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 49 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.52	7.24	7.21	8.00	8.07	13.24	13.55	10.38	7.33	7.09	7.21	7.21	
2	6.56	7.57	7.13	7.66	7.94	13.07	12.91	9.92	7.31	7.06	7.23	7.20	
3	6.58	7.58	7.08	7.45	7.87	13.01	12.77	9.75	7.29	7.05	7.26	7.20	
4	6.63	7.49	7.00	7.24	7.85	13.08	12.66	9.57	7.28	7.03	7.25	7.19	
5	6.66	7.38	6.87	7.14	7.77	13.17	12.15	9.34	7.27	7.02	7.23	7.19	
6	6.69	7.32	6.86	7.01	7.78	12.95	11.95	8.97	7.25	7.02	7.23	7.18	
7	6.66	7.74	6.88	7.08	7.70	12.32	12.56	8.77	7.27	7.14	7.22	7.19	
8	6.64	8.32	6.91	7.68	7.60	11.86	13.04	8.90	7.28	7.17	7.21	7.20	
9	6.72	8.46	6.89	7.65	7.60	12.56	13.20	9.12	7.25	7.17	7.20	7.21	
10	6.75	8.13	6.96	7.59	7.58	13.42	13.01	9.58	7.23	7.17	7.19	7.20	
11	6.69	7.81	7.01	7.36	7.52	13.92	12.73	9.79	7.23	7.17	7.19	7.22	
12	6.73	7.69	7.02	7.43	7.60	14.20	12.35	8.90	7.21	7.16	7.21	7.27	
13	6.72	8.02	7.02	7.60	7.49	14.28	12.30	8.47	7.19	7.16	7.25	7.26	
14	6.71	8.04	7.02	7.95	7.30	14.14	12.66	8.26	7.18	7.17	7.27	7.25	
15	6.69	7.66	7.00	8.32	7.40	13.65	13.25	8.07	7.18	7.16	7.33	7.24	
16	6.74	7.32	7.21	8.51	7.55	13.19	14.22	7.92	7.23	7.17	7.34	7.23	
17	6.79	7.25	7.60	8.83	7.64	13.25	15.12	7.83	7.17	7.16	7.33	7.22	
18	6.77	7.22	8.16	8.74	7.78	13.33	15.87	7.80	7.17	7.16	7.34	7.23	
19	6.77	7.19	8.20	8.38	7.86	13.43	15.95	7.76	7.18	7.16	7.43	7.29	
20	6.86	7.30	7.95	8.07	7.76	13.46	15.83	7.72	7.18	7.16	7.49	7.29	
21	6.89	8.11	7.65	7.72	7.80	13.65	15.80	7.76	7.26	7.15	7.39	7.32	
22	6.87	8.07	7.43	7.50	7.92	13.98	15.81	7.72	7.39	7.16	7.32	7.40	
23	6.85	7.44	7.29	7.30	7.97	14.26	15.67	7.62	7.27	7.18	7.27	7.39	
24	6.84	7.18	7.19	7.44	7.86	14.43	15.33	7.56	7.19	7.19	7.25	7.40	
25	6.80	6.92	7.12	7.97	8.35	14.37	14.88	7.53	7.17	7.20	7.25	7.59	
26	6.86	6.73	6.99	10.02	9.75	14.17	14.29	7.47	7.21	7.20	7.24	7.49	
27	7.00	6.67	6.97	10.91	11.37	14.13	13.53	7.32	7.21	7.20	7.24	7.37	
28	7.02	6.60	6.96	10.07	13.26	14.18	12.65	7.28	7.18	7.20	7.22	7.39	
29	7.12	7.10	6.88	8.97	14.16	14.19	11.78	7.31	7.16	7.24		7.37	
30	7.11	8.18	7.19	8.38	13.90	14.05	11.38	7.35	7.12	7.23		7.34	
31		7.44		8.17	13.45		10.96		7.09	7.21		7.31	
Mean	6.77	7.52	7.19	8.07	8.69	13.56	13.55	8.39	7.22	7.15	7.27	7.29	
Max	7.12	8.46	8.20	10.91	14.16	14.43	15.95	10.38	7.39	7.24	7.49	7.59	15.95
Min	6.52	6.60	6.86	7.01	7.30	11.86	10.96	7.28	7.09	7.02	7.19	7.18	6.52
Annual Max Momentary Gage Height	15.98	m. (MSL.) ,		at 20.00 Hours, on Oct 18, 2021									
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, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	1.20	11.80	11.20	32.00	34.10	247.00	262.50	115.20	13.60	8.80	11.20	11.20		
	2	1.60	19.10	9.60	21.80	30.20	238.50	230.50	96.80	13.20	8.20	11.60	11.00		
	3	1.80	19.40	8.60	16.00	28.10	235.50	223.50	90.25	12.80	8.00	12.20	11.00		
	4	2.30	16.80	7.00	11.80	27.50	239.00	218.00	83.95	12.60	7.60	12.00	10.80		
	5	2.60	14.60	4.70	9.80	25.10	243.50	194.75	75.90	12.40	7.40	11.60	10.80		
	6	2.90	13.40	4.60	7.20	25.40	232.50	185.75	62.95	12.00	7.40	11.60	10.60		
	7	2.60	24.20	4.80	8.60	23.00	202.40	213.20	55.95	12.40	9.80	11.40	10.80		
	8	2.40	41.60	5.20	22.40	20.00	181.70	237.00	60.50	12.60	10.40	11.20	11.00		
	9	3.20	45.80	4.90	21.50	20.00	213.20	245.00	68.20	12.00	10.40	11.00	11.20		
	10	3.50	35.90	6.20	19.70	19.40	256.00	235.50	84.30	11.60	10.40	10.80	11.00		
	11	2.90	26.30	7.20	14.20	17.60	281.00	221.50	91.65	11.60	10.40	10.80	11.40		
	12	3.30	22.70	7.40	15.60	20.00	295.00	203.75	60.50	11.20	10.20	11.20	12.40		
	13	3.20	32.60	7.40	20.00	16.80	299.00	201.50	46.10	10.80	10.20	12.00	12.20		
	14	3.10	33.20	7.40	30.50	13.00	292.00	218.00	39.80	10.60	10.40	12.40	12.00		
	15	2.90	21.80	7.00	41.60	15.00	267.50	247.50	34.10	10.60	10.20	13.60	11.80		
	16	3.40	13.40	11.20	47.30	18.50	244.50	296.00	29.60	11.60	10.40	13.80	11.60		
	17	3.90	12.00	20.00	58.05	21.20	247.50	341.60	26.90	10.40	10.20	13.60	11.40		
	18	3.70	11.40	36.80	54.90	25.40	251.50	382.85	26.00	10.40	10.20	13.80	11.60		
	19	3.70	10.80	38.00	43.40	27.80	256.50	387.25	24.80	10.60	10.20	15.60	12.80		
	20	4.60	13.00	30.50	34.10	24.80	258.00	380.65	23.60	10.60	10.20	16.80	12.80		
	21	4.90	35.30	21.50	23.60	26.00	267.50	379.00	24.80	12.20	10.00	14.80	13.40		
	22	4.70	34.10	15.60	17.00	29.60	284.00	379.55	23.60	14.80	10.20	13.40	15.00		
	23	4.50	15.80	12.80	13.00	31.10	298.00	371.85	20.60	12.40	10.60	12.40	14.80		
	24	4.40	10.60	10.80	15.80	27.80	306.50	353.15	18.80	10.80	10.80	12.00	15.00		
	25	4.00	5.40	9.40	31.10	42.50	303.50	329.00	17.90	10.40	11.00	12.00	19.70		
	26	4.60	3.30	6.80	100.80	90.25	293.50	299.50	16.40	11.20	11.00	11.80	16.80		
	27	7.00	2.70	6.40	138.95	159.65	291.50	261.50	13.40	11.20	11.00	11.80	14.40		
	28	7.40	2.00	6.20	102.80	248.00	294.00	217.50	12.60	10.60	11.00	11.40	14.80		
	29	9.40	9.00	4.80	62.95	293.00	294.50	178.10	13.20	10.20	11.80	14.40	14.40		
	30	9.20	37.40	10.80	43.40	280.00	287.50	160.10	14.00	9.40	11.60	13.80	13.80		
	31		15.80		37.10	257.50		141.20		8.80	11.20	13.20	13.20		
Total		118.90	611.20	344.80	1116.95	1938.30	7902.30	8196.75	1372.35	355.60	311.20	347.80	394.70	23010.85	CMSDAY
Mean		3.96	19.72	11.49	36.03	62.53	263.41	264.41	45.74	11.47	10.04	12.42	12.73	63.04	CMS
Max		9.40	45.80	38.00	138.95	293.00	306.50	387.25	115.20	14.80	11.80	16.80	19.70	387.25	CMS
Min		1.20	2.00	4.60	7.20	13.00	181.70	141.20	12.60	8.80	7.40	10.80	10.60	1.20	CMS
Runoff		10.27	52.81	29.79	96.50	167.47	682.76	708.20	118.57	30.72	26.89	30.05	34.10	1988.14	MCM
Momentary Peak		388.90	CMS, at	15.98 m. (MSL.),	at 20.00 Hours, on Oct 18, 2021										
Runoff Yield		12.89	Liters/Second/Square KM.			Momentary Peak Yield	79.53	Liters/Second/Square KM.							

WATER YEAR : 2021**PRACHIN BURI RIVER BASIN****Khleng Yang at Ban Thung Faek , Prachin Buri (Kgt.14)**

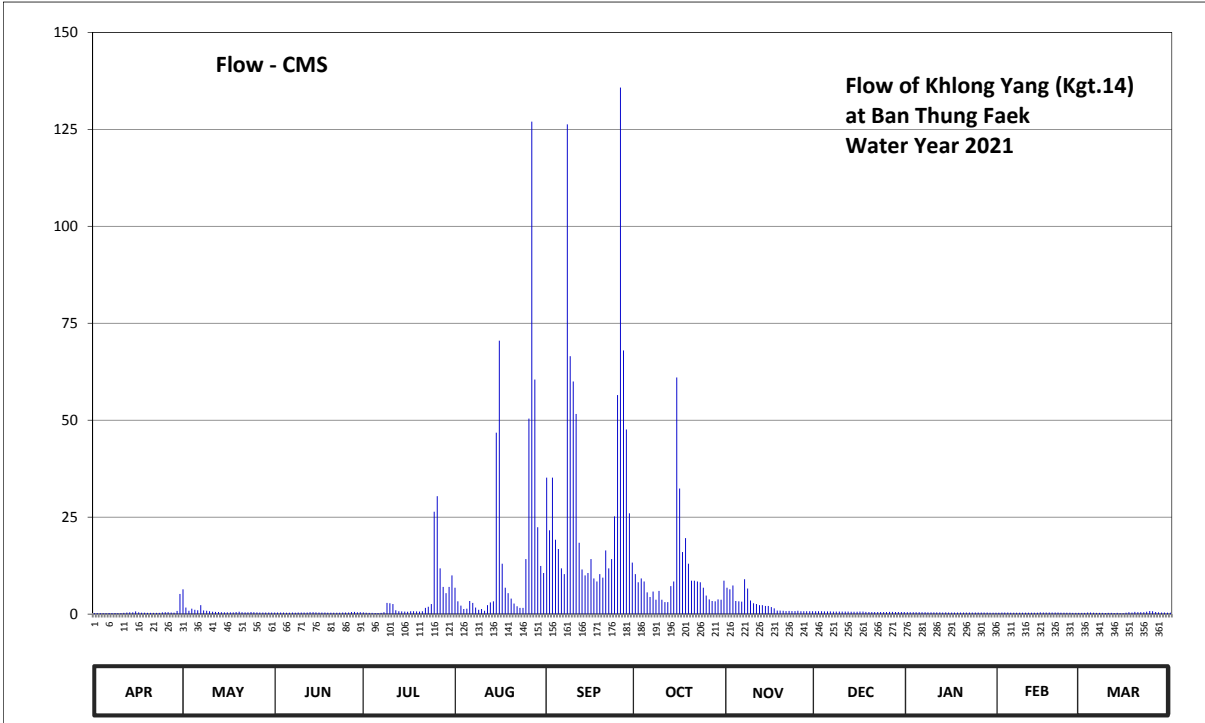
Lat 14 - 09 - 41 N Long 101 - 52 - 59 E

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.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+34.600 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	Near the automatic gage building.	Elevation	+42.721 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1966 to date		
Rating Operation			
Period of Rating	1966 - 1981 , 1986 to date		
Rated by Float	-		
Rated by Current Meter	1966 - 1981 , 1986 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	Overbank flow starts at elevation + 39.660 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 32 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	35.45	36.52	35.60	35.64	36.54	37.38	36.71	36.54	35.93	35.71	35.57	35.53	
2	35.44	36.17	35.60	35.56	36.33	37.04	36.61	36.52	35.92	35.70	35.59	35.53	
3	35.43	36.03	35.59	35.53	36.22	37.38	36.66	36.57	35.92	35.70	35.61	35.62	
4	35.43	36.14	35.59	35.51	36.13	36.98	36.62	36.34	35.88	35.70	35.60	35.60	
5	35.45	36.11	35.57	35.49	36.14	36.92	36.48	36.33	35.88	35.69	35.58	35.56	
6	35.47	36.10	35.58	35.49	36.34	36.76	36.42	36.32	35.88	35.70	35.57	35.54	
7	35.47	36.23	35.59	35.51	36.29	36.71	36.49	36.65	35.86	35.68	35.56	35.54	
8	35.47	36.08	35.58	35.69	36.17	39.09	36.37	36.53	35.87	35.66	35.56	35.54	
9	35.46	36.04	35.60	36.29	36.11	38.09	36.50	36.35	35.85	35.66	35.56	35.49	
10	35.46	35.93	35.63	36.28	36.13	37.96	36.37	36.28	35.86	35.65	35.56	35.51	
11	35.54	35.83	35.63	36.26	36.03	37.79	36.31	36.26	35.85	35.65	35.56	35.53	
12	35.62	35.77	35.61	36.10	36.23	36.96	36.31	36.23	35.84	35.64	35.57	35.50	
13	35.65	35.72	35.68	35.96	36.30	36.75	36.56	36.23	35.82	35.63	35.58	35.51	
14	35.64	35.69	35.70	35.88	36.33	36.70	36.62	36.21	35.83	35.64	35.58	35.46	
15	35.89	35.66	35.65	35.84	37.67	36.72	37.98	36.21	35.82	35.63	35.64	35.45	
16	35.66	35.65	35.61	35.83	38.17	36.84	37.31	36.18	35.85	35.63	35.62	35.56	
17	35.58	35.66	35.60	35.92	36.80	36.66	36.90	36.15	35.84	35.62	35.62	35.69	
18	35.55	35.66	35.60	35.95	36.54	36.62	36.99	36.06	35.77	35.62	35.62	35.63	
19	35.52	35.73	35.58	35.90	36.47	36.71	36.80	36.05	35.75	35.61	35.62	35.76	
20	35.52	35.83	35.57	35.86	36.40	36.67	36.63	36.04	35.75	35.61	35.61	35.69	
21	35.52	35.71	35.58	35.95	36.27	36.91	36.63	36.00	35.75	35.60	35.59	35.70	
22	35.52	35.66	35.58	36.16	36.20	36.76	36.62	36.01	35.74	35.61	35.57	35.69	
23	35.54	35.64	35.58	36.19	36.16	36.84	36.61	36.00	35.74	35.62	35.56	35.83	
24	35.67	35.73	35.61	36.26	36.16	37.13	36.54	36.00	35.74	35.61	35.57	35.99	
25	35.70	35.70	35.61	37.16	36.84	37.89	36.44	36.03	35.74	35.61	35.55	35.92	
26	35.69	35.65	35.59	37.26	37.76	39.21	36.38	35.94	35.76	35.60	35.54	35.75	
27	35.60	35.62	35.72	36.76	39.10	38.12	36.34	35.93	35.76	35.60	35.53	35.67	
28	35.57	35.61	35.76	36.55	37.97	37.69	36.33	35.93	35.74	35.59	35.53	35.62	
29	36.02	35.62	35.65	36.47	37.06	37.15	36.38	35.92	35.73	35.58		35.61	
30	36.46	35.63	35.68	36.55	36.78	36.81	36.37	35.92	35.73	35.58		35.58	
31		35.62		36.70	36.72		36.63		35.72	35.57		35.55	
Mean	35.60	35.83	35.62	36.08	36.66	37.24	36.61	36.19	35.81	35.64	35.58	35.62	
Max	36.46	36.52	35.76	37.26	39.10	39.21	37.98	36.65	35.93	35.71	35.64	35.99	39.21
Min	35.43	35.61	35.57	35.49	36.03	36.62	36.31	35.92	35.72	35.57	35.53	35.45	35.43
Annual Max Momentary Gage Height	40.41		m. (MSL.) ,			at 14.00 Hours, on Sep 8, 2021							
Zero Gage at Bottom Elevation		34.60	m. (MSL.) ,			River Bed	34.33	m. (MSL.)					
Left Bank Elevation		39.70	m. (MSL.) ,										
Right Bank Elevation		39.65	m. (MSL.) ,			Drainage Are	353	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	0.25	6.40	0.40	0.44	6.80	35.20	10.30	6.80	0.73	0.51	0.37	0.33		
	2	0.24	1.70	0.40	0.36	3.30	21.60	8.20	6.40	0.72	0.50	0.39	0.33		
	3	0.23	0.86	0.39	0.33	2.20	35.20	9.20	7.40	0.72	0.50	0.41	0.42		
	4	0.23	1.40	0.39	0.31	1.30	19.20	8.40	3.40	0.68	0.50	0.40	0.40		
	5	0.25	1.10	0.37	0.29	1.40	16.80	5.60	3.30	0.68	0.49	0.38	0.36		
	6	0.27	1.00	0.38	0.29	3.40	11.80	4.40	3.20	0.68	0.50	0.37	0.34		
	7	0.27	2.30	0.39	0.31	2.90	10.30	5.80	9.00	0.66	0.48	0.36	0.34		
	8	0.27	0.96	0.38	0.49	1.70	126.30	3.70	6.60	0.67	0.46	0.36	0.34		
	9	0.26	0.88	0.40	2.90	1.10	66.50	6.00	3.50	0.65	0.46	0.36	0.29		
	10	0.26	0.73	0.43	2.80	1.30	60.00	3.70	2.80	0.66	0.45	0.36	0.31		
	11	0.34	0.63	0.43	2.60	0.86	51.60	3.10	2.60	0.65	0.45	0.36	0.33		
	12	0.42	0.57	0.41	1.00	2.30	18.40	3.10	2.30	0.64	0.44	0.37	0.30		
	13	0.45	0.52	0.48	0.76	3.00	11.50	7.20	2.30	0.62	0.43	0.38	0.31		
	14	0.44	0.49	0.50	0.68	3.30	10.00	8.40	2.10	0.63	0.44	0.38	0.26		
	15	0.69	0.46	0.45	0.64	46.80	10.60	61.00	2.10	0.62	0.43	0.44	0.25		
	16	0.46	0.45	0.41	0.63	70.50	14.20	32.40	1.80	0.65	0.43	0.42	0.36		
	17	0.38	0.46	0.40	0.72	13.00	9.20	16.00	1.50	0.64	0.42	0.42	0.49		
	18	0.35	0.46	0.40	0.75	6.80	8.40	19.60	0.92	0.57	0.42	0.42	0.43		
	19	0.32	0.53	0.38	0.70	5.40	10.30	13.00	0.90	0.55	0.41	0.42	0.56		
	20	0.32	0.63	0.37	0.66	4.00	9.40	8.60	0.88	0.55	0.41	0.41	0.49		
	21	0.32	0.51	0.38	0.75	2.70	16.40	8.60	0.80	0.55	0.40	0.39	0.50		
	22	0.32	0.46	0.38	1.60	2.00	11.80	8.40	0.82	0.54	0.41	0.37	0.49		
	23	0.34	0.44	0.38	1.90	1.60	14.20	8.20	0.80	0.54	0.42	0.36	0.63		
	24	0.47	0.53	0.41	2.60	1.60	25.20	6.80	0.80	0.54	0.41	0.37	0.79		
	25	0.50	0.50	0.41	26.40	14.20	56.50	4.80	0.86	0.54	0.41	0.35	0.72		
	26	0.49	0.45	0.39	30.40	50.40	135.80	3.80	0.74	0.56	0.40	0.34	0.55		
	27	0.40	0.42	0.52	11.80	127.00	68.00	3.40	0.73	0.56	0.40	0.33	0.47		
	28	0.37	0.41	0.56	7.00	60.50	47.60	3.30	0.73	0.54	0.39	0.33	0.42		
	29	0.84	0.42	0.45	5.40	22.40	26.00	3.80	0.72	0.53	0.38		0.41		
	30	5.20	0.43	0.48	7.00	12.40	13.30	3.70	0.72	0.53	0.38		0.38		
	31		0.42		10.00	10.60		8.60		0.52	0.37		0.35		
Total		15.95	27.52	12.52	122.51	486.76	971.30	301.10	77.52	18.92	13.50	10.62	12.95	2071.17	CMSDAY
Mean		0.53	0.89	0.42	3.95	15.70	32.38	9.71	2.58	0.61	0.44	0.38	0.42	5.67	CMS
Max		5.20	6.40	0.56	30.40	127.00	135.80	61.00	9.00	0.73	0.51	0.44	0.79	135.80	CMS
Min		0.23	0.41	0.37	0.29	0.86	8.40	3.10	0.72	0.52	0.37	0.33	0.25	0.23	CMS
Runoff		1.38	2.38	1.08	10.58	42.06	83.92	26.02	6.70	1.63	1.17	0.92	1.12	178.95	MCM
Momentary Peak		CMS, at 40.41 m. (MSL.), at 14.00 Hours, on Sep 8, 2021													
Runoff Yield		16.07	Liters/Second/Square KM.			Momentary Peak Yield			679.89	Liters/Second/Square KM.					

WATER YEAR : 2021**PRACHIN BURI RIVER BASIN****Huai Samong at Ban Kaeng Din So , Prachin Buri (Kgt.15A)**

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
Drainage Area	562	sq.km.				
Type of Gage	Water - stage recorder.					
Zero Gage at Bottom	+12.800	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	In front of the station office and near the rain gage.				Elevation	+22.396 m. (MSL.)
Gage Reading Frequency	Recording					
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings					
Period of Available Gage Records	1968 to date					
Rating Operation						
Period of Rating	1968 to date					
Rated by Float	-					
Rated by Current Meter	1968 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 46 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	15.78	15.89	14.67	15.52	15.63	15.83	15.97	16.06	15.84	15.85	15.84	15.84	
2	15.78	15.77	14.48	15.51	15.61	16.07	15.76	16.05	15.84	15.85	15.83	15.84	
3	15.78	15.74	14.27	15.51	15.62	16.07	15.84	16.06	15.76	15.86	15.84	15.84	
4	15.78	15.71	13.96	15.50	15.60	16.09	15.95	16.03	15.81	15.84	15.84	15.84	
5	15.77	15.70	13.71	15.50	15.58	16.30	15.88	15.98	15.82	15.83	15.84	15.84	
6	15.77	15.83	15.11	15.50	15.62	16.12	15.80	15.85	15.82	15.84	15.84	15.85	
7	15.77	15.76	15.51	15.52	15.61	16.25	15.77	16.00	15.82	15.84	15.83	15.85	
8	15.77	15.72	15.52	15.56	15.58	16.69	15.64	16.03	15.82	15.83	15.83	15.85	
9	15.77	15.70	15.52	15.65	15.57	16.55	15.63	16.00	15.82	15.83	15.83	15.85	
10	15.77	15.70	15.51	15.82	15.56	16.50	15.61	15.98	15.82	15.84	15.83	15.85	
11	15.77	15.69	15.51	15.78	15.55	16.67	15.60	15.88	15.81	15.89	15.83	15.85	
12	15.77	15.69	15.50	15.62	15.56	16.71	15.72	15.72	15.81	15.89	15.83	15.85	
13	15.77	15.69	15.53	15.58	15.59	16.67	16.52	15.71	15.81	15.89	15.84	15.85	
14	15.78	15.65	15.55	15.57	15.67	16.65	16.06	15.70	15.85	15.89	15.84	15.86	
15	15.78	15.55	15.55	15.56	15.79	16.54	16.14	15.70	15.88	15.89	15.85	15.86	
16	15.78	15.55	15.54	15.56	15.88	16.54	16.28	15.70	15.83	15.89	15.84	15.84	
17	15.77	15.53	15.53	15.55	15.87	16.51	16.41	15.69	15.83	15.89	15.85	15.81	
18	15.77	15.48	15.52	15.55	15.79	16.34	16.71	15.69	15.83	15.89	15.85	15.81	
19	15.77	15.49	15.52	15.55	15.67	16.15	16.43	15.68	15.83	15.87	15.85	15.81	
20	15.77	15.49	15.51	15.55	15.65	16.44	16.04	15.68	15.83	15.84	15.85	15.81	
21	15.77	15.34	15.52	15.56	15.65	16.44	16.05	15.68	15.83	15.78	15.85	15.81	
22	15.76	15.14	15.51	15.55	15.64	16.39	16.43	15.71	15.83	15.80	15.85	15.81	
23	15.77	14.95	15.51	15.54	15.63	16.40	16.79	15.83	15.84	15.83	15.85	15.82	
24	15.77	14.73	15.51	15.67	15.64	16.40	16.53	15.83	15.86	15.83	15.85	15.82	
25	15.79	15.25	15.51	15.93	15.88	16.38	16.09	15.83	15.85	15.83	15.85	15.82	
26	15.78	15.31	15.52	15.86	15.97	16.50	15.82	15.84	15.86	15.83	15.85	15.81	
27	15.76	15.08	15.51	15.72	16.21	16.28	15.78	15.86	15.85	15.84	15.85	15.81	
28	15.76	15.03	15.51	15.67	16.26	16.20	15.90	15.86	15.85	15.84	15.85	15.81	
29	15.78	15.35	15.52	15.65	15.83	16.13	16.00	15.85	15.85	15.84		15.81	
30	15.83	15.13	15.54	15.66	15.83	16.01	16.03	15.85	15.85	15.84		15.81	
31		14.92		15.67	15.71		16.08		15.85	15.84		15.80	
Mean	15.77	15.47	15.29	15.61	15.72	16.36	16.04	15.84	15.83	15.85	15.84	15.83	
Max	15.83	15.89	15.55	15.93	16.26	16.71	16.79	16.06	15.88	15.89	15.85	15.86	16.79
Min	15.76	14.73	13.71	15.50	15.55	15.83	15.60	15.68	15.76	15.78	15.83	15.80	13.71
Annual Max Momentary Gage Height	17.11		m. (MSL.) ,			at 22.00 Hours, on Sep 8, 2021							
Zero Gage at Bottom Elevation	12.80		m. (MSL.) ,			River Bed	12.26	m. (MSL.)					
Left Bank Elevation	20.18		m. (MSL.) ,										
Right Bank Elevation	21.26		m. (MSL.) ,			Drainage Are	562	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	11.20	19.20	0.87	3.48	5.20	14.40	25.60	32.80	15.20	16.00	15.20	15.20	
2	11.20	10.80	0.68	3.42	4.40	33.60	10.40	32.00	15.20	16.00	14.40	15.20	
3	11.20	9.60	0.47	3.42	4.80	33.60	15.20	32.80	10.40	16.80	15.20	15.20	
4	11.20	8.40	0.16	3.35	4.00	35.20	24.00	30.40	12.80	15.20	15.20	15.20	
5	10.80	8.00	0.00	3.35	3.87	52.00	18.40	26.40	13.60	14.40	15.20	15.20	
6	10.80	14.40	1.31	3.35	4.80	37.60	12.00	16.00	13.60	15.20	15.20	16.00	
7	10.80	10.40	3.42	3.48	4.40	48.00	10.80	28.00	13.60	15.20	14.40	16.00	
8	10.80	8.80	3.48	3.74	3.87	94.70	5.60	30.40	13.60	14.40	14.40	16.00	
9	10.80	8.00	3.48	6.00	3.81	76.50	5.20	28.00	13.60	14.40	14.40	16.00	
10	10.80	8.00	3.42	13.60	3.74	70.00	4.40	26.40	13.60	15.20	14.40	16.00	
11	10.80	7.60	3.42	11.20	3.68	92.10	4.00	18.40	12.80	19.20	14.40	16.00	
12	10.80	7.60	3.35	4.80	3.74	97.40	8.80	8.80	12.80	19.20	14.40	16.00	
13	10.80	7.60	3.55	3.87	3.94	92.10	72.60	8.40	12.80	19.20	15.20	16.00	
14	11.20	6.00	3.68	3.81	6.80	89.50	32.80	8.00	16.00	19.20	15.20	16.80	
15	11.20	3.68	3.68	3.74	11.60	75.20	39.20	8.00	18.40	19.20	16.00	16.80	
16	11.20	3.68	3.61	3.74	18.40	75.20	50.40	8.00	14.40	19.20	15.20	15.20	
17	10.80	3.55	3.55	3.68	17.60	71.30	61.00	7.60	14.40	19.20	16.00	12.80	
18	10.80	3.22	3.48	3.68	11.60	55.20	97.40	7.60	14.40	19.20	16.00	12.80	
19	10.80	3.29	3.48	3.68	6.80	40.00	63.00	7.20	14.40	17.60	16.00	12.80	
20	10.80	3.29	3.42	3.68	6.00	64.00	31.20	7.20	14.40	15.20	16.00	12.80	
21	10.80	2.31	3.48	3.74	6.00	64.00	32.00	7.20	14.40	11.20	16.00	12.80	
22	10.40	1.34	3.42	3.68	5.60	59.20	63.00	8.40	14.40	12.00	16.00	12.80	
23	10.80	1.15	3.42	3.61	5.20	60.00	108.60	14.40	15.20	14.40	16.00	13.60	
24	10.80	0.93	3.42	6.80	5.60	60.00	73.90	14.40	16.80	14.40	16.00	13.60	
25	11.60	1.73	3.42	22.40	18.40	58.40	35.20	14.40	16.00	14.40	16.00	13.60	
26	11.20	2.12	3.48	16.80	25.60	70.00	13.60	15.20	16.80	14.40	16.00	12.80	
27	10.40	1.28	3.42	8.80	44.80	50.40	11.20	16.80	16.00	15.20	16.00	12.80	
28	10.40	1.23	3.42	6.80	48.80	44.00	20.00	16.80	16.00	15.20	16.00	12.80	
29	11.20	2.38	3.48	6.00	14.40	38.40	28.00	16.00	16.00	15.20	12.80	12.80	
30	14.40	1.33	3.61	6.40	14.40	28.80	30.40	16.00	16.00	15.20		12.80	
31		1.12		6.80	8.40		34.40		16.00	15.20		1	

WATER YEAR : 2021**PRACHIN BURI RIVER BASIN****Khwaeng Nam Sai at Ban Saphan Hin , Prachin Buri (Kgt.33)**

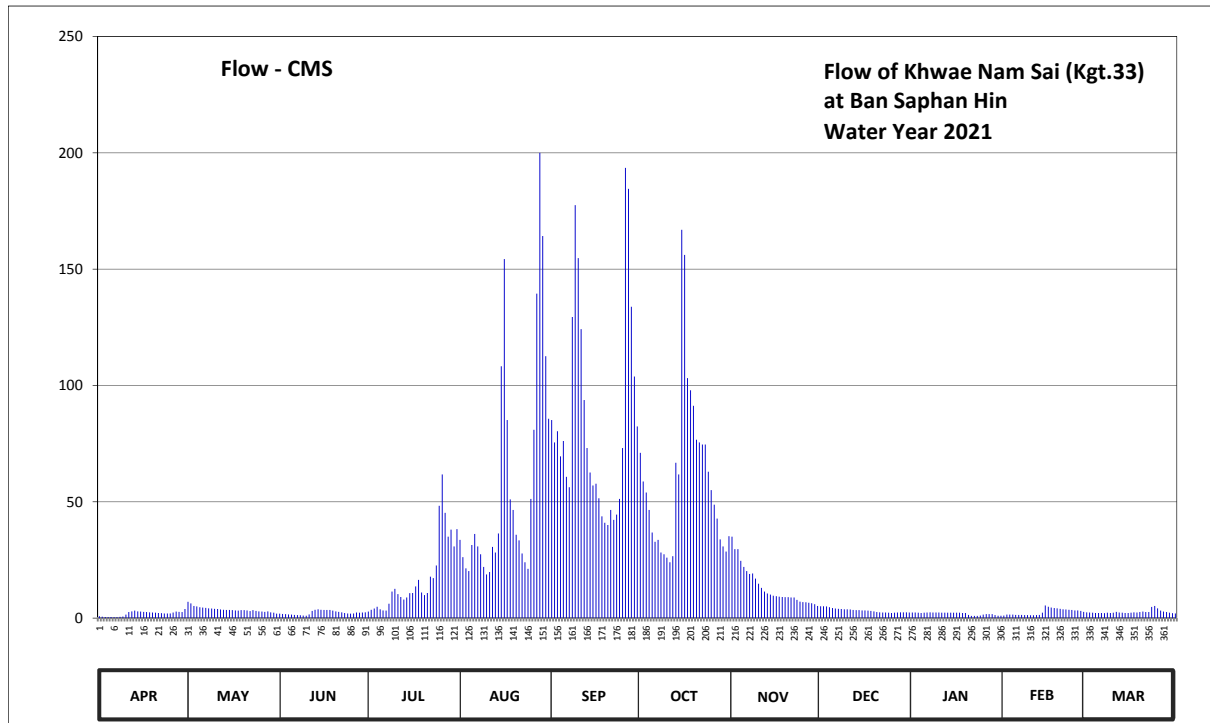
Lat 14 - 08 - 01 N Long 101 - 43 - 40 E

Location : on left bank at Ban Saphan Hin.

	Ban	Saphan Hin	Amphoe	Na Di	Changwat	Prachin Buri
Drainage Area	616	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+3.400	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank near the top staff gage.				Elevation	+14.019 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	2001 to date					
Rated by Float	-					
Rated by Current Meter	2001 to date					
Stability of Channel Regimes	Fairly stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 38 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.33	5.00	4.49	4.58	6.53	8.47	8.00	6.60	4.81	4.54	4.41	4.55	
2	4.24	4.93	4.48	4.66	6.16	8.15	7.57	6.33	4.81	4.54	4.45	4.54	
3	4.20	4.82	4.47	4.71	5.92	8.31	7.38	6.33	4.80	4.53	4.45	4.53	
4	4.16	4.80	4.46	4.79	5.86	7.95	7.08	6.08	4.77	4.52	4.45	4.52	
5	4.19	4.77	4.45	4.68	6.42	8.17	6.69	5.95	4.73	4.53	4.44	4.52	
6	4.17	4.75	4.44	4.63	6.66	7.65	6.49	5.86	4.71	4.54	4.44	4.52	
7	4.17	4.74	4.43	4.62	6.39	7.47	6.53	5.80	4.70	4.55	4.44	4.51	
8	4.22	4.72	4.42	4.92	6.22	9.66	6.26	5.81	4.69	4.54	4.43	4.53	
9	4.27	4.71	4.41	5.42	5.95	10.75	6.22	5.70	4.68	4.54	4.43	4.52	
10	4.45	4.70	4.40	5.48	5.79	10.25	6.15	5.59	4.68	4.54	4.42	4.53	
11	4.56	4.69	4.46	5.33	5.84	9.53	6.05	5.50	4.67	4.53	4.42	4.57	
12	4.59	4.67	4.61	5.21	6.38	8.72	6.18	5.42	4.65	4.53	4.43	4.54	
13	4.62	4.66	4.66	5.10	6.26	8.07	7.86	5.36	4.64	4.53	4.44	4.53	
14	4.59	4.65	4.68	5.19	6.67	7.72	7.69	5.31	4.64	4.53	4.53	4.52	
15	4.58	4.65	4.66	5.37	9.13	7.50	10.52	5.26	4.63	4.53	4.84	4.52	
16	4.57	4.64	4.65	5.38	10.24	7.53	10.28	5.24	4.63	4.53	4.79	4.53	
17	4.56	4.63	4.65	5.53	8.47	7.28	8.99	5.22	4.62	4.53	4.75	4.55	
18	4.55	4.62	4.65	5.67	7.26	6.97	8.84	5.21	4.61	4.52	4.73	4.54	
19	4.54	4.64	4.62	5.40	7.08	6.86	8.65	5.20	4.59	4.52	4.72	4.56	
20	4.53	4.64	4.59	5.29	6.64	6.82	8.19	5.20	4.56	4.44	4.70	4.58	
21	4.52	4.63	4.57	5.38	6.52	7.08	8.15	5.19	4.55	4.38	4.68	4.56	
22	4.51	4.60	4.55	5.74	6.24	6.91	8.12	5.19	4.54	4.38	4.67	4.56	
23	4.50	4.64	4.52	5.71	6.05	7.00	8.12	5.08	4.54	4.37	4.66	4.78	
24	4.50	4.61	4.50	5.98	5.91	7.27	7.73	5.01	4.53	4.41	4.65	4.82	
25	4.50	4.59	4.49	7.15	7.27	8.07	7.42	4.99	4.52	4.45	4.63	4.72	
26	4.54	4.58	4.50	7.69	8.33	11.07	7.17	4.98	4.53	4.47	4.63	4.62	
27	4.58	4.57	4.54	7.03	9.91	10.89	6.93	4.96	4.54	4.47	4.61	4.58	
28	4.57	4.59	4.53	6.60	11.20	9.77	6.54	4.94	4.55	4.47	4.57	4.56	
29	4.56	4.55	4.54	6.74	10.46	9.01	6.39	4.90	4.55	4.43		4.53	
30	4.69	4.53	4.55	6.39	9.24	8.38	6.28	4.82	4.55	4.40		4.51	
31		4.49		6.75	8.49		6.61		4.54	4.40		4.50	
Mean	4.45	4.67	4.53	5.58	7.27	8.31	7.45	5.43	4.63	4.49	4.56	4.56	
Max	4.69	5.00	4.68	7.69	11.20	11.07	10.52	6.60	4.81	4.55	4.84	4.82	11.20
Min	4.16	4.49	4.40	4.58	5.79	6.82	6.05	4.82	4.52	4.37	4.41	4.50	4.16
Annual Max Momentary Gage Height	11.57		m. (MSL.),			at 07.00 Hours, on Sep 26, 2021							
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		13.55	m. (MSL.),			Drainage Are	616	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.83	7.00	1.90	2.80	33.60	85.10	71.00	35.00	5.10	2.40	1.10	2.50	
2	0.60	6.30	1.80	3.60	26.20	75.50	58.75	29.60	5.10	2.40	1.50	2.40	
3	0.50	5.20	1.70	4.10	21.40	80.30	54.00	29.60	5.00	2.30	1.50	2.30	
4	0.40	5.00	1.60	4.90	20.20	69.50	46.50	24.60	4.70	2.20	1.50	2.20	
5	0.48	4.70	1.50	3.80	31.40	76.10	36.80	22.00	4.30	2.30	1.40	2.20	
6	0.43	4.50	1.40	3.30	36.20	60.75	32.80	20.20	4.10	2.40	1.40	2.20	
7	0.43	4.40	1.30	3.20	30.80	56.25	33.60	19.00	4.00	2.50	1.40	2.10	
8	0.55	4.20	1.20	6.20	27.40	129.40	28.20	19.20	3.90	2.40	1.30	2.30	
9	0.68	4.10	1.10	11.40	22.00	177.50	27.40	17.00	3.80	2.40	1.30	2.20	
10	1.50	4.00	1.00	12.60	18.80	154.75	26.00	14.80	3.80	2.40	1.20	2.30	
11	2.60	3.90	1.60	10.30	19.80	124.20	24.00	13.00	3.70	2.30	1.20	2.70	
12	2.90	3.70	3.10	9.10	30.60	93.70	26.60	11.40	3.50	2.30	1.30	2.40	
13	3.20	3.60	3.60	8.00	28.20	73.10	66.80	10.60	3.40	2.30	1.40	2.30	
14	2.90	3.50	3.80	8.90	36.40	62.60	61.75	10.10	3.40	2.30	2.30	2.20	
15	2.80	3.50	3.60	10.70	108.20	57.00	166.90	9.60	3.30	2.30	5.40	2.20	
16	2.70	3.40	3.50	10.80	154.30	57.75	156.10	9.40	3.30	2.30	4.90	2.30	
17	2.60	3.30	3.50	13.60	85.10	51.50	103.15	9.20	3.20	2.30	4.50	2.50	
18	2.50	3.20	3.50	16.40	51.00	43.75	97.90	9.10	3.10	2.20	4.30	2.40	
19	2.40	3.40	3.20	11.00	46.50	41.00	91.25	9.00	2.90	2.20	4.20	2.60	
20	2.30	3.40	2.90	9.90	35.80	40.00	76.70	9.00	2.60	1.40	4.00	2.80	
21	2.20	3.30	2.70	10.80	33.40	46.50	75.50	8.90	2.50	0.95	3.80	2.60	
22	2.10	3.00	2.50	17.80	27.80	42.25	74.60	8.90	2.40	0.95	3.70	2.60	
23	2.00	3.40	2.20	17.20	24.00	44.50	74.60	7.80	2.40	0.93	3.60	4.80	
24	2.00	3.10	2.00	22.60	21.20	51.25	62.90	7.10	2.30	1.10	3.50	5.20	
25	2.00	2.90	1.90	48.25	51.25	73.10	55.00	6.90	2.20	1.50	3.30	4.20	
26	2.40	2.80	2.00	61.75	80.90	193.50	48.75	6.80	2.30	1.70	3.30	3.20	
27	2.80	2.70	2.40	45.25	139.45	184.50	42.75	6.60	2.40	1.70	3.10	2.80	
28	2.70	2.90	2.30	35.00	200.00	133.80	33.80	6.40	2.50	1.70	2.70	2.60	
29	2.60	2.50	2.40	38.00	164.20	103.85	30.80	6.00	2.50	1.30		2.30	
30	3.90	2.30	2.50	30.80	112.60	82.40	28.60	5.20	2.50	1.00		2.10	
31		1.90		38.25	85.70		35.20		2.40	1.00		2.00	
Total	58.00	115.10	69.70	530.30	1804.40	2565.40	1848.70	402.00	102.60	59.43	74.10	81.50	7711.23 CMSDAY
Mean	1.93	3.71	2.32	17.11	58.21	85.51	59.64	13.40	3.31	1.92	2.65	2.63	21.13 CMS
Max	3.90	7.00	3.80	61.75	200.00	193.50	166.90	35.00	5.10	2.50	5.40	5.20	200.00 CMS
Min	0.40	1.90	1.00	2.80	18.80	40.00	24.00	5.20	2.20	0.93	1.10	2.00	0.40 CMS
Runoff	5.01	9.94	6.02	45.82	155.90	221.65	159.73	34.73	8.86	5.13	6.40	7.04	666.25 MCM
Momentary Peak	218.50 CMS, at 11.57 m. (MSL.), at 07.00 Hours, on Sep 26, 2021												
Runoff Yield	34.30	Liters/Second/Square KM.			Momentary Peak Yield			354.71	Liters/Second/Square KM.				

WATER YEAR : 2021

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
Drainage 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 34 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.81	5.44	4.96	5.07	6.20	8.15	8.10	6.45	5.11	5.08	4.94	5.05	
2	4.75	5.37	4.94	5.23	5.95	7.97	7.63	6.21	5.10	5.06	4.94	5.04	
3	4.70	5.25	4.93	5.21	5.78	8.07	7.32	6.27	5.08	5.05	4.94	5.02	
4	4.67	5.19	4.92	5.16	5.72	7.81	7.05	6.07	5.06	5.04	4.94	5.02	
5	4.67	5.20	4.90	5.12	5.97	7.95	6.67	5.95	5.05	5.05	4.92	5.01	
6	4.67	5.23	4.88	5.09	6.14	7.53	6.37	5.89	5.05	5.05	4.91	5.01	
7	4.71	5.27	4.88	5.09	6.03	7.27	6.37	5.90	5.04	5.04	4.90	5.02	
8	4.77	5.24	4.90	5.23	5.92	9.16	6.13	6.02	5.03	5.04	4.91	5.04	
9	4.87	5.18	4.91	5.50	5.77	10.42	6.08	5.81	5.02	5.04	4.92	5.03	
10	5.04	5.14	4.92	5.63	5.67	9.94	6.03	5.73	5.02	5.03	4.89	5.08	
11	5.14	5.09	5.03	5.50	5.68	9.41	5.96	5.62	5.01	5.02	4.90	5.15	
12	5.15	5.05	5.06	5.41	5.95	8.73	6.07	5.52	5.00	5.01	4.91	5.11	
13	5.16	5.02	5.10	5.34	5.98	8.16	7.84	5.48	4.98	4.99	4.99	5.07	
14	5.14	4.99	5.16	5.35	6.11	7.85	7.64	5.45	4.98	4.98	5.23	5.05	
15	5.10	5.00	5.15	5.42	7.77	7.63	9.55	5.42	4.97	4.98	5.29	5.03	
16	5.03	5.00	5.14	5.42	9.51	7.59	9.91	5.40	4.97	4.97	5.26	5.03	
17	5.00	4.99	5.16	5.48	7.98	7.40	8.86	5.39	4.96	4.98	5.23	5.02	
18	5.06	4.98	5.11	5.56	6.70	7.06	8.72	5.36	4.95	4.98	5.21	5.03	
19	5.10	5.05	5.09	5.45	6.47	6.91	8.60	5.35	4.94	4.97	5.19	5.11	
20	5.09	5.09	5.07	5.39	6.21	6.86	8.21	5.31	4.94	4.97	5.17	5.17	
21	5.06	5.10	5.04	5.45	6.13	7.04	8.13	5.30	4.94	4.97	5.15	5.15	
22	5.02	5.11	5.01	5.61	5.96	6.94	8.11	5.29	4.94	4.97	5.14	5.20	
23	4.99	5.16	4.99	5.60	5.84	7.08	8.21	5.26	4.93	4.97	5.12	5.18	
24	4.98	5.09	4.97	5.79	5.77	7.19	7.99	5.24	4.93	4.98	5.11	5.20	
25	4.98	5.06	4.96	6.67	6.70	8.04	7.72	5.22	4.99	4.97	5.11	5.17	
26	5.05	5.03	4.98	7.35	7.66	10.23	7.38	5.21	5.11	4.96	5.09	5.13	
27	5.08	5.02	5.03	6.69	9.39	10.76	7.03	5.18	5.13	4.94	5.08	5.08	
28	5.06	5.08	5.00	6.34	10.80	9.82	6.71	5.16	5.12	4.95	5.06	5.03	
29	5.06	5.02	4.98	6.43	10.01	9.10	6.46	5.13	5.11	4.95		4.99	
30	5.23	5.00	5.03	6.18	8.98	8.49	6.16	5.12	5.10	4.94		4.95	
31		4.98		6.42	8.23		6.78		5.09	4.93		4.95	
Mean	4.97	5.11	5.01	5.65	6.87	8.22	7.41	5.56	5.02	5.00	5.05	5.07	
Max	5.23	5.44	5.16	7.35	10.80	10.76	9.91	6.45	5.13	5.08	5.29	5.20	10.80
Min	4.67	4.98	4.88	5.07	5.67	6.86	5.96	5.12	4.93	4.93	4.89	4.95	4.67

Annual Max Momentary Gage Height 11.05 m. (MSL.) , at 03.00 Hours, on Sep 27, 2021

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 Area 1,207 Square Kilometers

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.05	15.20	1.80	4.10	62.00	114.50	112.00	80.10	5.30	4.40	1.70	3.50	
2	0.75	13.10	1.70	8.90	44.50	106.80	95.90	62.90	5.00	3.80	1.70	3.20	
3	0.50	9.50	1.65	8.30	32.60	110.80	88.40	68.30	4.40	3.50	1.70	2.60	
4	0.35	7.70	1.60	6.80	28.40	101.30	83.25	52.90	3.80	3.20	1.70	2.60	
5	0.35	8.00	1.50	5.60	45.90	106.00	80.54	44.50	3.50	3.50	1.60	2.30	
6	0.35	8.90	1.40	4.70	57.80	92.90	77.30	40.30	3.50	3.50	1.55	2.30	
7	0.55	10.10	1.40	4.70	50.10	87.40	77.30	41.00	3.20	3.20	1.50	2.60	
8	0.85	9.20	1.50	8.90	42.40	176.80	57.10	49.40	2.90	3.20	1.55	3.20	
9	1.35	7.40	1.55	17.00	31.90	317.20	53.60	34.70	2.60	3.20	1.60	2.90	
10	3.20	6.20	1.60	22.10	24.90	252.80	50.10	29.10	2.60	2.90	1.45	4.40	
11	6.20	4.70	2.90	17.00	25.60	197.90	45.20	21.40	2.30	2.60	1.50	6.50	
12	6.50	3.50	3.80	14.30	44.50	145.80	52.90	17.60	2.00	2.30	1.55	5.30	
13	6.80	2.60	5.00	12.20	46.60	115.00	102.20	16.40	1.90	1.95	1.95	4.10	
14	6.20	1.95	6.80	12.50	55.70	102.50	96.20	15.50	1.90	1.90	8.90	3.50	
15	5.00	2.00	6.50	14.60	100.10	95.90	211.00	14.60	1.85	1.90	10.70	2.90	
16	2.90	2.00	6.20	14.60	207.00	94.70	249.20	14.00	1.85	1.85	9.80	2.90	
17	2.00	1.95	6.80	16.40	107.20	90.00	154.20	13.70	1.80	1.90	8.90	2.60	
18	3.80	1.90	5.30	18.80	80.60	83.40	145.20	12.80	1.75	1.90	8.30	2.90	
19	5.00	3.50	4.70	15.50	80.14	81.15	138.00	12.50	1.70	1.85	7.70	5.30	
20	4.70	4.70	4.10	13.70	62.90	80.92	117.50	11.30	1.70	1.85	7.10	7.10	
21	3.80	5.00	3.20	15.50	57.10	83.10	113.50	11.00	1.70	1.85	6.50	6.50	
22	2.60	5.30	2.30	20.70	45.20	81.60	112.50	10.70	1.70	1.85	6.20	8.00	
23	1.95	6.80	1.95	20.00	36.80	83.70	117.50	9.80	1.65	1.85	5.60	7.40	
24	1.90	4.70	1.85	33.30	31.90	85.80	107.60	9.20	1.65	1.90	5.30	8.00	
25	1.90	3.80	1.80	80.54	80.60	109.60	98.60	8.60	1.95	1.85	5.30	7.10	
26	3.50	2.90	1.90	89.00	96.80	288.90	89.60	8.30	5.30	1.80	4.70	5.90	
27	4.40	2.60	2.90	80.58	196.10	378.00	82.95	7.40	5.90	1.70	4.40	4.40	
28	3.80	4.40	2.00	74.60	386.00	239.20	80.62	6.80	5.60	1.75	3.80	2.90	
29	3.80	2.60	1.90	80.06	261.20	172.00	80.12	5.90	5.30	1.75		1.95	
30	8.90	2.00	2.90	60.60	162.60	131.50	59.20	5.60	5.00	1.70		1.75	
31		1.90		80.04	118.50		80.76		4.70	1.65		1.75	
Total	94.95	166.10	90.50	875.62	2703.64</								

WATER YEAR : 2021

PRACHIN BURI RIVER BASIN

Khleng 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
Drainage 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 29 discharge measurements made in 2021.		

Gage Height in Meter (A.D.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.47	1.67	1.64	1.83	1.75	3.38	2.49	1.92	1.65	1.56	1.54	1.60	
2	0.46	1.64	1.64	1.76	1.75	2.83	2.92	1.93	1.67	1.56	1.55	1.60	
3	0.46	1.60	1.64	1.74	1.74	3.57	2.21	1.90	1.67	1.55	1.55	1.60	
4	0.45	1.58	1.64	1.73	1.73	3.32	2.05	1.79	1.67	1.55	1.55	1.60	
5	0.45	1.58	1.64	1.72	1.74	3.19	1.98	1.71	1.67	1.54	1.55	1.60	
6	0.44	1.63	1.64	1.71	1.74	2.79	2.59	1.70	1.66	1.54	1.55	1.61	
7	0.43	1.71	1.65	1.70	1.73	2.40	2.97	1.78	1.66	1.53	1.55	1.61	
8	0.43	2.07	1.67	1.70	1.73	3.51	2.57	1.84	1.66	1.52	1.55	1.61	
9	0.43	2.08	1.68	1.69	1.72	3.97	2.26	2.10	1.65	1.52	1.55	1.62	
10	0.42	2.01	1.68	1.70	1.71	3.35	2.46	2.23	1.65	1.51	1.56	1.61	
11	0.42	2.66	1.67	1.75	1.70	2.80	2.35	1.84	1.64	1.50	1.57	1.60	
12	0.44	3.52	1.67	1.77	1.69	2.27	2.03	1.71	1.64	1.50	1.55	1.61	
13	0.44	2.72	1.67	1.75	1.69	2.08	1.87	1.71	1.63	1.49	1.52	1.61	
14	0.45	2.01	1.66	1.74	1.70	2.00	2.26	1.69	1.63	1.49	1.52	1.62	
15	0.45	1.77	1.66	1.81	1.71	1.91	2.42	1.69	1.63	1.48	1.52	1.63	
16	0.49	1.71	1.74	1.86	1.73	3.00	3.06	1.68	1.63	1.49	1.51	1.64	
17	0.53	1.70	2.45	1.93	1.73	3.24	4.10	1.68	1.63	1.50	1.62	1.64	
18	0.56	1.70	2.76	2.03	1.72	3.98	4.14	1.67	1.62	1.51	1.67	1.63	
19	0.66	1.70	2.08	1.94	1.71	4.45	3.79	1.66	1.62	1.52	1.62	1.63	
20	0.90	1.69	1.90	1.77	1.71	5.00	2.68	1.66	1.66	1.53	1.60	1.62	
21	1.41	1.68	1.80	1.74	1.71	4.27	2.29	1.66	1.63	1.54	1.59	1.63	
22	1.72	1.67	1.72	1.73	1.82	3.27	2.16	1.66	1.60	1.54	1.58	1.61	
23	1.65	1.67	1.71	1.72	2.01	3.11	1.93	1.66	1.60	1.55	1.59	1.60	
24	1.60	1.66	1.71	1.84	1.83	2.87	1.82	1.66	1.60	1.55	1.59	1.60	
25	1.58	1.66	1.70	2.56	2.05	3.37	1.81	1.65	1.59	1.55	1.60	1.61	
26	1.58	1.65	1.69	3.17	2.94	3.56	1.80	1.65	1.59	1.55	1.60	1.61	
27	1.61	1.65	1.68	2.41	3.46	2.82	1.74	1.65	1.59	1.55	1.60	1.61	
28	1.67	1.66	1.68	2.00	3.91	3.07	1.91	1.65	1.58	1.55	1.60	1.60	
29	1.70	1.70	1.68	1.81	3.25	2.56	2.07	1.65	1.58	1.54		1.60	
30	1.70	1.67	1.75	1.78	3.46	2.07	1.95	1.65	1.57	1.54		1.60	
31		1.64		1.76	3.92		1.92		1.57	1.54		1.60	
Mean	0.87	1.84	1.76	1.88	2.09	3.13	2.41	1.75	1.63	1.53	1.57	1.61	
Max	1.72	3.52	2.76	3.17	3.92	5.00	4.14	2.23	1.67	1.56	1.67	1.64	5.00
Min	0.42	1.58	1.64	1.69	1.69	1.91	1.74	1.65	1.57	1.48	1.51	1.60	0.42
Annual Max Momentary Gage Height	5.08		m. (A.D.) ,			at 12.00 Hours, on Sep 20, 2021							
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						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.35	0.20	1.30	0.75	25.60	9.85	2.20	0.25	0.00	0.00	0.00		
2	0.00	0.20	0.20	0.80	0.75	14.95	16.40	2.30	0.35	0.00	0.00	0.00		
3	0.00	0.00	0.20	0.70	0.70	29.40	5.65	2.00	0.35	0.00	0.00	0.00		
4	0.00	0.00	0.20	0.65	0.65	24.40	3.50	0.95	0.35	0.00	0.00	0.00		
5	0.00	0.00	0.20	0.60	0.70	21.80	2.80	0.55	0.35	0.00	0.00	0.00		
6	0.00	0.15	0.20	0.55	0.70	14.35	11.35	0.50	0.30	0.00	0.00	0.05		
7	0.00	0.55	0.25	0.50	0.65	8.50	17.40	0.90	0.30	0.00	0.00	0.05		
8	0.00	3.70	0.35	0.50	0.65	28.20	11.05	1.40	0.30	0.00	0.00	0.05		
9	0.00	3.80	0.40	0.45	0.60	40.10	6.40	4.00	0.25	0.00	0.00	0.10		
10	0.00	3.10	0.40	0.50	0.55	25.00	9.40	5.95	0.25	0.00	0.00	0.05		
11	0.00	12.40	0.35	0.75	0.50	14.50	7.75	1.40	0.20	0.00	0.00	0.00		
12	0.00	28.40	0.35	0.85	0.45	6.55	3.30	0.55	0.20	0.00	0.00	0.05		
13	0.00	13.30	0.35	0.75	0.45	3.80	1.70	0.55	0.15	0.00	0.00	0.05		
14	0.00	3.10	0.30	0.70	0.50	3.00	6.40	0.45	0.15	0.00	0.00	0.10		
15	0.00	0.85	0.30	1.10	0.55	2.10	8.80	0.45	0.15	0.00	0.00	0.15		
16	0.00	0.55	0.70	1.60	0.65	18.00	19.20	0.40	0.15	0.00	0.00	0.20		
17	0.00	0.50	9.25	2.30	0.65	22.80	44.00	0.40	0.15	0.00	0.10	0.20		
18	0.00	0.50	13.90	3.30	0.60	40.40	45.60	0.35	0.10	0.00	0.35	0.15		
19	0.00	0.50	3.80	2.40	0.55	58.50	34.70	0.30	0.10	0.00	0.10	0.15		
20	0.00	0.45	2.00	0.85	0.55	103.00	12.70	0.30	0.30	0.00	0.00	0.10		
21	0.00	0.40	1.00	0.70	0.55	50.80	6.85	0.30	0.15	0.00	0.00	0.15		
22	0.60	0.35	0.60	0.65	1.20	23.40	4.90	0.30	0.00	0.00	0.00	0.05		
23	0.25	0.35	0.55	0.60	3.10	20.20	2.30	0.30	0.00	0.00	0.00	0.00		
24	0.00	0.30	0.55	1.40	1.30	15.55	1.20	0.30	0.00	0.00	0.00	0.00		
25	0.00	0.30	0.50	10.90	3.50	25.40	1.10	0.25	0.00	0.00	0.00	0.05		
26	0.00	0.25	0.45	21.40	16.80	29.20	1.00	0.25	0.00	0.00	0.00	0.05		
27	0.05	0.25	0.40	8.65	27.20	14.80	0.70	0.25	0.00	0.00	0.00	0.05		
28	0.35	0.30	0.40	3.00	38.30	19.40	2.10	0.25	0.00	0.00	0.00	0.00		
29	0.50	0.50	0.40	1.10	23.00	10.90	3.70	0.25	0.00	0.00	0.00	0.00		
30	0.50	0.35	0.75	0.90	27.20	3.70	2.50	0.25	0.00	0.00	0.00	0.00		
31		0.20		0.80	38.60		2.20		0.00	0.00		0.00		
Total	2.25	75.95	39.50	71.25	192.90	718.30	306.50	28.60	4.85	0.00	0.55	1.80	1442.45	CMSDAY
Mean	0.07	2.45	1.32											

WATER YEAR : 2021

PRACHIN BURI RIVER BASIN

Upper Khlong Phra Sathung at Ban Thung Kabin , Sa Kao (Kgt.40)

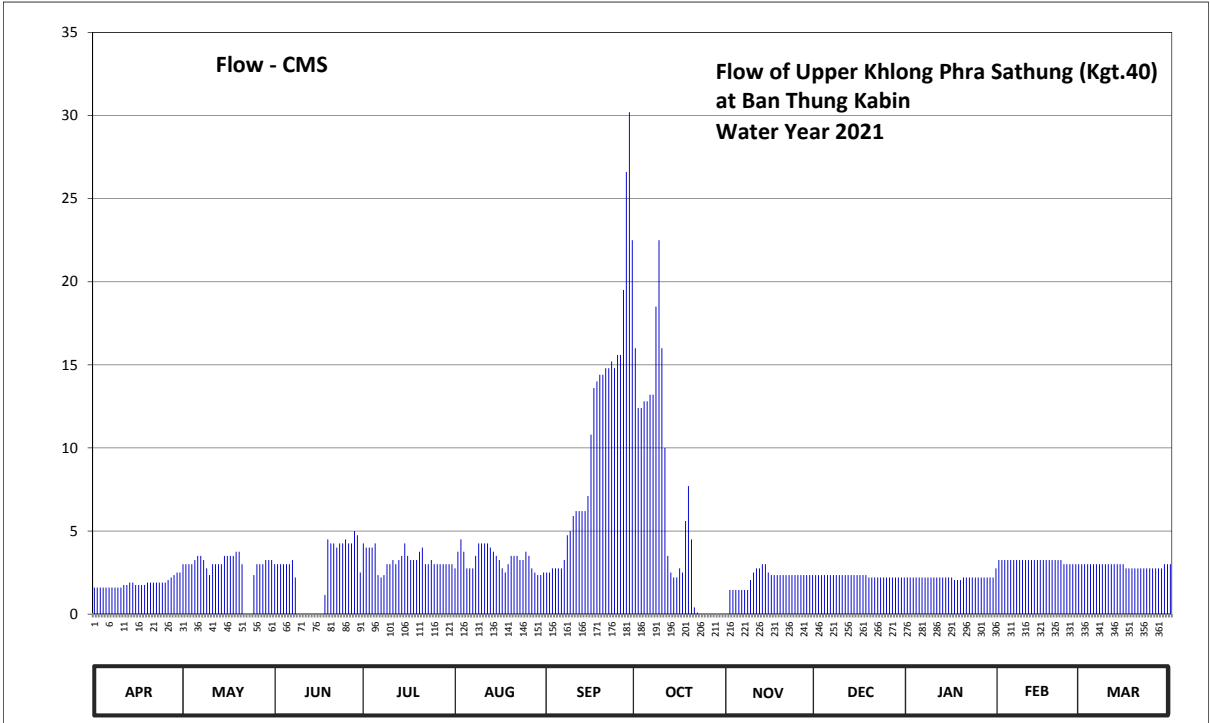
Lat 13 - 26 - 18 N Long 102 - 04 - 49 E

Location : on left bank at the bridge on highway.

	Ban Thung Kabin	Amphoe Wang Sombun	Changwat Sa Kao
Drainage 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 33 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	79.34	79.42	79.42	79.47	79.41	79.40	79.80	79.11	79.39	79.38	79.43	79.42	
2	79.34	79.42	79.42	79.46	79.45	79.40	79.71	79.33	79.39	79.38	79.43	79.42	
3	79.34	79.42	79.42	79.46	79.48	79.41	79.71	79.33	79.39	79.38	79.43	79.42	
4	79.34	79.42	79.42	79.46	79.45	79.41	79.72	79.33	79.39	79.38	79.43	79.42	
5	79.34	79.43	79.42	79.47	79.41	79.41	79.72	79.33	79.39	79.38	79.43	79.42	
6	79.34	79.44	79.42	79.39	79.41	79.41	79.73	79.33	79.39	79.38	79.43	79.42	
7	79.34	79.44	79.43	79.38	79.41	79.43	79.73	79.33	79.39	79.38	79.43	79.42	
8	79.34	79.43	79.38	79.39	79.44	79.49	79.85	79.33	79.39	79.38	79.43	79.42	
9	79.34	79.41	79.09	79.42	79.47	79.50	79.93	79.37	79.39	79.38	79.43	79.42	
10	79.34	79.39	78.81	79.42	79.47	79.53	79.80	79.40	79.39	79.38	79.43	79.42	
11	79.35	79.42	78.80	79.43	79.47	79.54	79.65	79.41	79.39	79.38	79.43	79.42	
12	79.35	79.42	78.87	79.42	79.47	79.54	79.44	79.41	79.39	79.38	79.43	79.42	
13	79.36	79.42	78.98	79.43	79.46	79.54	79.40	79.42	79.39	79.38	79.43	79.42	
14	79.36	79.42	79.06	79.44	79.45	79.54	79.38	79.42	79.39	79.38	79.43	79.42	
15	79.35	79.44	79.04	79.47	79.44	79.57	79.38	79.40	79.39	79.38	79.43	79.42	
16	79.35	79.44	78.87	79.44	79.43	79.67	79.41	79.39	79.39	79.38	79.43	79.41	
17	79.35	79.44	79.17	79.43	79.41	79.74	79.40	79.39	79.39	79.37	79.43	79.41	
18	79.35	79.44	79.31	79.43	79.40	79.75	79.52	79.39	79.39	79.37	79.43	79.41	
19	79.36	79.45	79.48	79.43	79.42	79.76	79.59	79.39	79.38	79.37	79.43	79.41	
20	79.36	79.45	79.47	79.45	79.44	79.76	79.48	79.39	79.38	79.38	79.43	79.41	
21	79.36	79.42	79.47	79.46	79.44	79.77	79.24	79.39	79.38	79.38	79.43	79.41	
22	79.36	78.95	79.46	79.42	79.44	79.77	79.21	79.39	79.38	79.38	79.43	79.41	
23	79.36	78.74	79.47	79.42	79.43	79.78	79.11	79.39	79.38	79.38	79.42	79.41	
24	79.36	78.78	79.47	79.43	79.43	79.77	78.92	79.39	79.38	79.38	79.42	79.41	
25	79.36	79.39	79.48	79.42	79.45	79.79	78.88	79.39	79.38	79.38	79.42	79.41	
26	79.37	79.42	79.47	79.42	79.44	79.79	78.88	79.39	79.38	79.38	79.42	79.41	
27	79.38	79.42	79.47	79.42	79.41	79.87	78.88	79.39	79.38	79.38	79.42	79.41	
28	79.39	79.42	79.50	79.42	79.40	80.01	78.91	79.39	79.38	79.38	79.42	79.41	
29	79.40	79.43	79.49	79.42	79.39	80.07	78.92	79.39	79.38	79.38		79.42	
30	79.40	79.43	79.40	79.42	79.39	79.93	78.89	79.39	79.38	79.38		79.42	
31		79.43		79.42	79.40		78.88		79.38	79.41		79.42	
Mean	79.36	79.37	79.30	79.43	79.43	79.64	79.39	79.37	79.39	79.38	79.43	79.42	
Max	79.40	79.45	79.50	79.47	79.48	80.07	79.93	79.42	79.39	79.41	79.43	79.42	80.07
Min	79.34	78.74	78.80	79.38	79.39	79.40	78.88	79.11	79.38	79.37	79.42	79.41	78.74
Annual Max Momentary Gage Height	80.07		m. (MSL.) ,				at 11.00 Hours, on Sep 28, 2021						
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.60	3.00	3.00	4.25	2.75	2.50	16.00	0.00	2.35	2.20	3.25	3.00		
2	1.60	3.00	3.00	4.00	3.75	2.50	12.40	1.45	2.35	2.20	3.25	3.00		
3	1.60	3.00	3.00	4.00	4.50	2.75	12.40	1.45	2.35	2.20	3.25	3.00		
4	1.60	3.00	3.00	4.00	3.75	2.75	12.80	1.45	2.35	2.20	3.25	3.00		
5	1.60	3.25	3.00	4.25	2.75	2.75	12.80	1.45	2.35	2.20	3.25	3.00		
6	1.60	3.50	3.00	2.35	2.75	2.75	13.20	1.45	2.35	2.20	3.25	3.00		
7	1.60	3.50	3.25	2.20	2.75	3.25	13.20	1.45	2.35	2.20	3.25	3.00		
8	1.60	3.25	2.20	2.35	3.50	4.75	18.50	1.45	2.35	2.20	3.25	3.00		
9	1.60	2.75	0.00	3.00	4.25	5.00	22.50	2.05	2.35	2.20	3.25	3.00		
10	1.60	2.35	0.00	3.00	4.25	5.90	16.00	2.50	2.35	2.20	3.25	3.00		
11	1.75	3.00	0.00	3.25	4.25	6.20	10.00	2.75	2.35	2.20	3.25	3.00		
12	1.75	3.00	0.00	3.00	4.25	6.20	3.50	2.75	2.35	2.20	3.25	3.00		
13	1.90	3.00	0.00	3.25	4.00	6.20	2.50	3.00	2.35	2.20	3.25	3.00		
14	1.90	3.00	0.00	3.50	3.75	6.20	2.20	3.00	2.35	2.20	3.25	3.00		
15	1.75	3.50	0.00	4.25	3.50	7.10	2.20	2.50	2.35	2.20	3.25	3.00		
16	1.75	3.50	0.00	3.50	3.25	10.80	2.75	2.35	2.35	2.20	3.25	2.75		
17	1.75	3.50	0.00	3.25	2.75	13.60	2.50	2.35	2.35	2.05	3.25	2.75		
18	1.75	3.50	1.15	3.25	2.50	14.00	5.60	2.35	2.35	2.05	3.25	2.75		
19	1.90	3.75	4.50	3.25	3.00	14.40	7.70	2.35	2.20	2.05	3.25	2.75		
20	1.90	3.75	4.25	3.75	3.50	14.40	4.50	2.35	2.20	2.20	3.25	2.75		
21	1.90	3.00	4.25	4.00	3.50	14.80	0.40	2.35	2.20	2.20	3.25	2.75		
22	1.90	0.00	4.00	3.00	3.50	14.80	0.10	2.35	2.20	2.20	3.25	2.75		
23	1.90	0.00	4.25	3.00	3.25	15.20	0.00	2.35	2.20	2.20	3.00	2.75		
24	1.90	0.00	4.25	3.25	3.25	14.80	0.00	2.35	2.20	2.20	3.00	2.75		
25	1.90	2.35	4.50	3.00	3.75	15.60	0.00	2.35	2.20	2.20	3.00	2.75		
26	2.05	3.00	4.25	3.00	3.50	15.60	0.00	2.35	2.20	2.20	3.00	2.75		
27	2.20	3.00	4.25	3.00	2.75	19.50	0.00	2.35	2.20	2.20	3.00	2.75		
28	2.35	3.00	5.00	3.00	2.50	26.60	0.00	2.35	2.20	2.20	3.00	2.75		
29	2.50	3.25	4.75	3.00	2.35	30.20	0.00	2.35	2.20	2.20		3.00		
30	2.50	3.25	2.50	3.00	2.35	22.50	0.00	2.35	2.20	2.20		3.00		
31		3.25		3.00	2.50		0.00		2.20	2.75		3.00		
Total	55.20	88.20	75.35	101.90	102.95	323.60	193.75	63.95	70.90	68.30	89.50	89.75	1323.35	CMSDAY
Mean	1.84	2.85	2.51	3.29	3.32	10.79	6.25	2.13	2.29	2.20	3.20	2.90	3.63	CMS
Max	2.50	3.75	5.00	4.25	4.50	30.20	22.50	3.00	2.35	2.75	3.25	3.00	30.20	CMS
Min	1.60	0.00	0.00	2.20	2.35	2.50	0.00	0.00	2.20	2.05	3.00	2.75	0.00	CMS
Runoff	4.77	7.62	6.51	8.80	8.89	27.96	16.74	5.53	6.13	5.90	7.73	7.75	114.34	MCM
Momentary Peak	30.20 CMS, at 80.07 m. (MSL.), at 11.00 Hours, on Sep 28, 2021													
Runoff Yield	6.28	Liters/Second/Square KM.			Momentary Peak Yield		52.34	Liters/Second/Square KM.						

WATER YEAR : 2021**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 85 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	14.74	15.39	15.01	17.39	16.23	21.27	19.70	17.43	15.24	14.99	15.02	15.07	
2	14.69	15.76	15.12	16.31	16.00	21.40	19.71	17.31	15.19	14.99	15.04	15.06	
3	14.71	15.68	15.15	15.89	15.90	21.76	20.90	17.31	15.15	14.98	15.05	15.06	
4	14.73	15.52	15.13	15.34	15.82	22.01	20.11	16.94	15.14	14.97	15.06	15.05	
5	14.75	15.46	15.11	14.99	15.74	21.66	19.04	16.47	15.14	14.96	15.06	15.05	
6	14.73	15.46	15.10	15.07	15.60	20.41	19.74	16.29	15.13	14.95	15.06	15.04	
7	14.71	16.35	15.11	16.95	15.44	19.20	20.78	16.52	15.13	14.94	15.07	15.05	
8	14.70	18.00	15.11	16.84	15.25	18.99	21.45	17.18	15.13	14.94	15.07	15.05	
9	14.71	17.67	15.18	16.69	15.07	20.95	21.03	17.64	15.12	14.93	15.07	15.06	
10	14.75	17.01	15.25	15.78	15.02	21.72	19.84	19.54	15.12	14.93	15.07	15.07	
11	14.86	16.48	15.09	15.74	15.38	21.97	19.28	18.25	15.11	14.93	15.07	15.07	
12	14.89	16.43	15.02	16.25	16.10	22.22	18.59	16.88	15.09	14.94	15.08	15.08	
13	14.88	15.96	14.95	16.64	15.24	22.12	18.38	16.47	15.08	14.94	15.09	15.08	
14	14.90	15.99	14.85	17.67	15.46	20.44	18.53	16.30	15.06	14.93	15.16	15.08	
15	14.95	15.99	14.99	18.02	15.79	18.98	19.50	16.09	15.03	14.93	15.21	15.06	
16	14.98	15.94	15.90	18.25	15.21	19.44	21.15	15.94	15.03	14.92	15.25	15.05	
17	14.94	15.91	15.72	18.80	15.04	21.21	21.92	15.83	15.04	14.92	15.31	15.09	
18	14.99	16.14	15.78	17.83	15.17	21.36	22.55	15.76	15.05	14.92	15.39	15.19	
19	15.12	16.60	15.85	17.29	15.42	21.96	22.91	15.76	15.04	14.92	15.50	15.26	
20	15.16	16.99	15.77	16.59	15.47	22.27	23.12	15.90	15.04	14.92	15.52	15.30	
21	15.07	17.78	15.64	15.98	15.51	22.62	22.70	16.01	15.04	14.92	15.39	15.34	
22	15.02	16.64	15.26	15.51	16.17	23.18	21.20	15.89	15.03	14.92	15.22	15.47	
23	15.01	15.40	15.22	15.13	16.24	23.26	20.17	15.75	15.03	14.92	15.13	15.74	
24	15.02	15.10	15.20	15.31	16.15	22.45	19.71	15.63	15.02	14.92	15.10	16.26	
25	15.30	14.97	15.19	17.10	16.65	21.27	19.29	15.42	15.02	14.93	15.10	15.99	
26	15.39	14.90	15.20	20.27	17.70	21.32	18.62	15.13	15.02	14.95	15.08	15.25	
27	15.18	14.80	15.23	19.81	20.16	21.91	17.73	15.00	15.01	14.97	15.08	15.15	
28	15.14	14.74	15.26	18.24	21.41	21.98	17.14	15.10	15.01	14.99	15.08	15.14	
29	15.18	15.58	15.40	17.01	21.78	21.91	17.92	15.18	15.00	14.99		15.13	
30	15.20	16.38	17.45	16.42	21.29	21.12	18.80	15.26	15.00	15.01		15.12	
31		15.25		16.71	20.74		18.09		15.00	15.01		15.12	
Mean	14.95	16.01	15.34	16.83	16.59	21.41	19.99	16.34	15.07	14.95	15.15	15.21	
Max	15.39	18.00	17.45	20.27	21.78	23.26	23.12	19.54	15.24	15.01	15.52	16.26	23.26
Min	14.69	14.74	14.85	14.99	15.02	18.98	17.14	15.00	15.00	14.92	15.02	15.04	14.69
Annual Max Momentary Gage Height	23.42		m. (MSL.) ,			at 02.00 Hours, on Sep 23, 2021							
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				

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.70	4.95	3.05	29.85	13.30	124.45	78.50	30.45	4.20	2.95	3.10	3.35	
2	1.45	8.60	3.60	14.10	11.00	129.00	78.75	28.65	3.95	2.95	3.20	3.30	
3	1.55	7.80	3.75	9.90	10.00	141.60	113.00	28.65	3.75	2.90	3.25	3.30	
4	1.65	6.20	3.65	4.70	9.20	150.35	89.30	23.10	3.70	2.85	3.30	3.25	
5	1.75	5.60	3.55	2.95	8.40	138.10	62.00	16.05	3.70	2.80	3.30	3.25	
6	1.65	5.60	3.50	3.35	7.00	98.30	79.50	13.90	3.65	2.75	3.30	3.20	
7	1.55	14.50	3.55	23.25	5.40	66.00	109.40	16.80	3.65	2.70	3.35	3.25	
8	1.50	41.00	3.55	21.60	4.25	60.80	130.75	26.70	3.65	2.70	3.35	3.25	
9	1.55	34.40	3.90	19.35	3.35	114.50	116.90	33.80	3.60	2.65	3.35	3.30	
10	1.75	24.15	4.25	8.80	3.10	140.20	82.00	74.50	3.60	2.65	3.35	3.35	
11	2.30	16.20	3.45	8.40	4.90	148.95	68.00	46.00	3.55	2.65	3.35	3.35	
12	2.45	15.45	3.10	13.50	12.00	157.70	52.80	22.20	3.45	2.70	3.40	3.40	
13	2.40	10.60	2.75	18.60	4.20	154.20	48.60	16.05	3.40	2.70	3.45	3.40	
14	2.50	10.90	2.25	34.40	5.60	99.20	51.60	14.00	3.30	2.65	3.80	3.40	
15	2.75	10.90	2.95	41.40	8.90	60.60	73.50	11.90	3.15	2.65	4.05	3.30	
16	2.90	10.40	10.00	46.00	4.05	72.00	120.50	10.40	3.15	2.60	4.25	3.25	
17	2.70	10.10	8.20	57.00	3.20	122.35	147.20	9.30	3.20	2.60	4.55	3.45	
18	2.95	12.40	8.80	37.60	3.85	127.60	169.25	8.60	3.25	2.60	4.95	3.95	
19	3.60	18.00	9.50	28.35	5.20	148.60	181.85	8.60	3.20	2.60	6.00	4.30	
20	3.80	23.85	8.70	17.85	5.70	159.45	189.20	10.00	3.20	2.60	6.20	4.50	
21	3.35	36.60	7.40	10.80	6.10	171.70	174.50	11.10	3.20	2.60	4.95	4.70	
22	3.10	18.60	4.30	6.10	12.70	191.30	122.00	9.90	3.15	2.60	4.10	5.70	
23	3.05	5.00	4.10	3.65	13.40	194.10	91.10	8.50	3.15	2.60	3.65	8.40	
24	3.10	3.50	4.00	4.55	12.50	165.75	78.75	7.30	3.10	2.60	3.50	13.60	
25	4.50	2.85	3.95	25.50	18.75	124.45	68.25	5.20	3.10	2.65	3.50	10.90	
26	4.95	2.50	4.00	94.10	35.00	126.20	53.40	3.65	3.10	2.75	3.40	4.25	
27	3.90	2.00	4.15	81.25	90.80	146.85	35.60	3.00	3.05	2.85	3.40	3.75	
28	3.70	1.70	4.30	45.80	129.35	149.30	26.10	3.50	3.05	2.95	3.40	3.70	
29	3.90	6.80	5.00	24.15	142.30	146.85	39.40	3.90	3.00	2.95		3.65	
30	4.00	14.80	30.75	15.30	125.15	119.60	57.00	4.30	3.00	3.05		3.60	
31		4.25		19.65	108.20		42.80		3.00	3.05		3.60	
Total	82.00	390.20	168.00	771.80	826.85								

WATER YEAR : 2021**PRACHIN BURI RIVER BASIN****Khwaee Hanuman at Ban Na Khaem, Prachin Buri (Kgt.43A)**

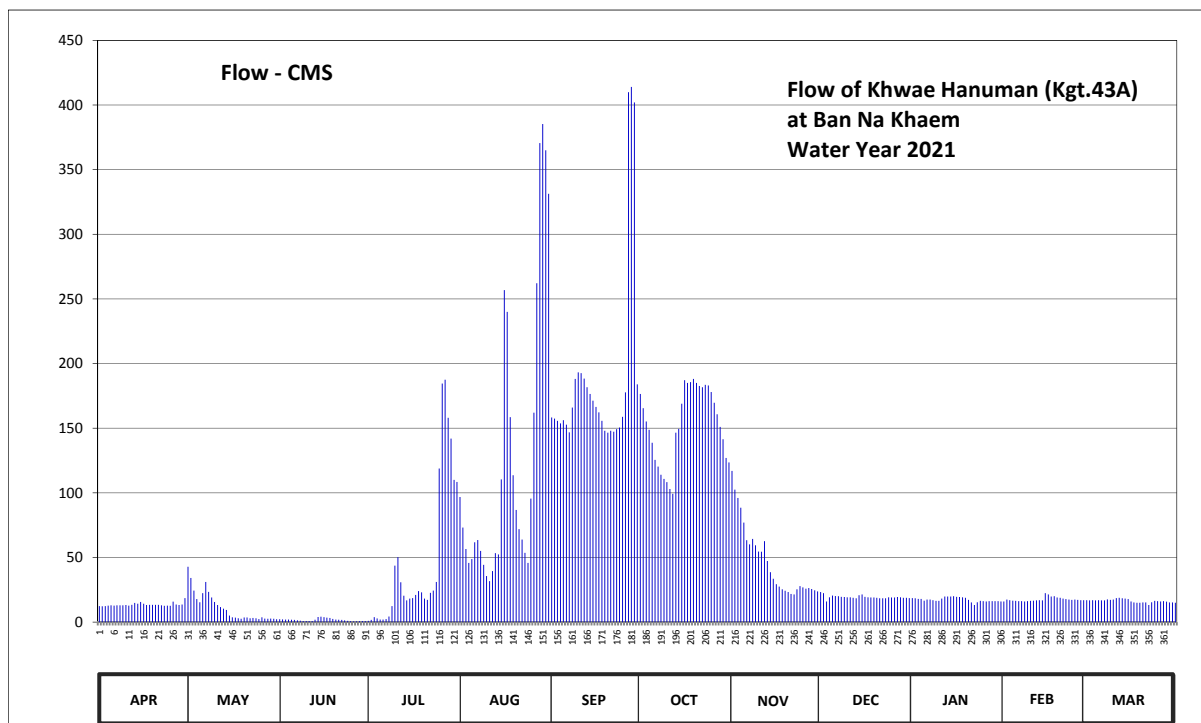
Lat 14 - 01 - 18 N Long 101 - 45 - 02 E

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 54 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.72	4.96	3.02	2.89	6.57	10.51	11.24	8.86	4.26	4.03	3.90	3.95	
2	3.71	4.67	3.01	2.97	5.97	10.48	10.80	8.28	4.22	4.02	3.97	3.94	
3	3.72	4.32	3.00	3.18	5.42	10.41	10.39	8.02	3.90	4.00	3.95	3.95	
4	3.74	3.99	3.00	3.08	5.06	10.33	10.13	7.72	4.06	4.00	3.93	3.94	
5	3.75	3.87	2.98	3.00	5.16	10.43	9.73	7.26	4.13	3.93	3.92	3.95	
6	3.74	4.22	2.97	3.00	5.59	10.29	9.20	6.62	4.11	3.97	3.91	3.94	
7	3.75	4.57	2.94	3.03	5.65	10.05	8.99	6.46	4.10	3.97	3.91	3.94	
8	3.75	4.27	2.91	3.23	5.37	10.82	8.74	6.67	4.08	3.95	3.90	3.98	
9	3.75	4.05	2.88	3.72	5.01	11.67	8.61	6.42	4.07	3.92	3.91	3.96	
10	3.76	3.88	2.86	4.99	4.72	11.84	8.51	6.18	4.06	3.92	3.92	3.97	
11	3.74	3.76	2.86	5.21	4.59	11.82	8.30	6.17	4.06	4.01	3.93	4.03	
12	3.77	3.68	2.87	4.56	4.85	11.68	8.15	5.62	4.04	4.09	3.94	4.04	
13	3.84	3.62	2.98	4.12	5.31	11.45	10.04	5.11	4.02	4.09	3.95	4.02	
14	3.81	3.57	3.20	3.94	5.28	11.24	10.16	4.82	4.14	4.09	3.94	4.01	
15	3.88	3.31	3.22	4.01	6.91	11.03	10.94	4.65	4.17	4.10	4.22	3.99	
16	3.81	3.17	3.18	4.03	9.73	10.84	11.64	4.51	4.08	4.08	4.17	3.90	
17	3.76	3.14	3.15	4.15	9.45	10.67	11.57	4.45	4.06	4.07	4.09	3.86	
18	3.77	3.10	3.12	4.30	7.99	10.41	11.59	4.37	4.05	4.06	4.10	3.85	
19	3.77	3.06	3.05	4.25	6.99	10.10	11.67	4.31	4.05	4.04	4.05	3.85	
20	3.77	3.16	3.00	4.01	6.32	10.04	11.57	4.26	4.04	3.96	4.04	3.86	
21	3.77	3.16	2.99	3.96	5.93	10.10	11.49	4.19	4.02	3.86	4.01	3.86	
22	3.75	3.10	2.97	4.23	5.66	10.07	11.45	4.17	4.02	3.76	3.99	3.76	
23	3.73	3.12	2.93	4.32	5.32	10.15	11.52	4.37	4.02	3.87	3.97	3.87	
24	3.74	3.09	2.90	4.57	5.06	10.20	11.50	4.46	4.06	3.92	3.96	3.92	
25	3.73	3.04	2.85	7.12	6.54	10.53	11.30	4.43	4.05	3.91	3.97	3.91	
26	3.89	3.17	2.83	8.51	8.06	11.29	10.97	4.39	4.05	3.90	3.96	3.90	
27	3.78	3.07	2.82	8.57	9.82	11.90	10.61	4.41	4.07	3.91	3.95	3.91	
28	3.76	3.06	2.84	7.98	11.38	11.95	10.22	4.38	4.06	3.91	3.95	3.89	
29	3.78	3.07	2.86	7.66	11.59	11.80	9.84	4.33	4.04	3.91		3.86	
30	4.03	3.06	2.88	6.90	11.30	11.53	9.26	4.29	4.04	3.91		3.86	
31		3.02		6.86	10.82		9.12		4.03	3.90		3.85	
Mean	3.78	3.56	2.97	4.72	6.88	10.85	10.30	5.47	4.07	3.97	3.98	3.92	
Max	4.03	4.96	3.22	8.57	11.59	11.95	11.67	8.86	4.26	4.10	4.22	4.04	11.95
Min	3.71	3.02	2.82	2.89	4.59	10.04	8.15	4.17	3.90	3.76	3.90	3.76	2.82
Annual Max Momentary Gage Height	11.99		m. (MSL.) ,			at 22.00 Hours, on Sep 27, 2021							
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	12.40	42.80	2.20	0.95	96.80	158.25	176.50	117.00	23.20	18.60	16.00	17.00		
2	12.20	34.10	2.10	1.70	73.10	157.50	165.50	102.50	22.40	18.40	17.40	16.80		
3	12.40	24.40	2.00	3.80	56.60	155.75	155.25	96.00	16.00	18.00	17.00	17.00		
4	12.80	17.80	2.00	2.80	45.80	153.75	148.75	88.50	19.20	18.00	16.60	16.80		
5	13.00	15.40	1.80	2.00	48.80	156.25	138.75	77.00	20.60	16.60	16.40	17.00		
6	12.80	22.40	1.70	2.00	61.70	152.75	125.50	63.40	20.20	17.40	16.20	16.80		
7	13.00	31.10	1.40	2.30	63.50	146.75	120.25	60.20	20.00	17.40	16.20	16.80		
8	13.00	23.40	1.10	4.30	55.10	166.00	114.00	64.40	19.60	17.00	16.00	17.60		
9	13.00	19.00	0.90	12.40	44.30	188.10	110.75	59.40	19.40	16.40	16.20	17.20		
10	13.20	15.60	0.80	43.70	35.60	193.20	108.25	54.60	19.20	16.40	16.40	17.40		
11	12.80	13.20	0.80	50.30	31.70	192.60	103.00	54.40	19.20	18.20	16.60	18.60		
12	13.40	11.60	0.85	30.80	39.50	188.40	99.25	62.60	18.80	19.80	16.80	18.80		
13	14.80	10.40	1.80	20.40	53.30	181.75	146.50	47.30	18.40	19.80	17.00	18.40		
14	14.20	9.40	4.00	16.80	52.40	176.50	149.50	38.60	20.80	19.80	16.80	18.20		
15	15.60	5.10	4.20	18.20	110.40	171.25	169.00	33.50	21.40	20.00	22.40	17.80		
16	14.20	3.70	3.80	18.60	256.80	166.50	187.20	29.30	19.60	19.60	21.40	16.00		
17	13.20	3.40	3.50	21.00	240.00	162.25	185.10	27.50	19.20	19.40	19.80	15.20		
18	13.40	3.00	3.20	24.00	158.50	155.75	185.70	25.40	19.00	19.20	20.00	15.00		
19	13.40	2.60	2.50	23.00	113.60	148.00	188.10	24.20	19.00	18.80	19.00	15.00		
20	13.40	3.60	2.00	18.20	86.80	146.50	185.10	23.20	18.80	17.20	18.80	15.20		
21	13.40	3.60	1.90	17.20	71.90	148.00	182.75	21.80	18.40	15.20	18.20	15.20		
22	13.00	3.00	1.70	22.60	63.80	147.25	181.75	21.40	18.40	13.20	17.80	13.20		
23	12.60	3.20	1.30	24.40	53.60	149.25	183.60	25.40	18.40	15.40	17.40	15.40		
24	12.80	2.90	1.00	31.10	45.80	150.50	183.00	27.80	19.20	16.40	17.20	16.40		
25	12.60	2.40	0.75	118.80	95.60	158.75	178.00	26.90	19.00	16.20	17.40	16.20		
26	15.80	3.70	0.65	184.50	162.00	177.75	169.75	25.80	19.00	16.00	17.20	16.00		
27	13.60	2.70	0.60	187.50	262.20	410.00	160.75	26.30	19.40	16.20	17.00	16.20		
28	13.20	2.60	0.70	158.00	370.60	414.00	151.00	25.60	19.20	16.20	17.00	15.80		
29	13.60	2.70	0.80	142.00	385.30	402.00	141.50	24.60	18.80	16.20		15.20		
30	18.60	2.60	0.90	110.00	365.00	183.90	127.00	23.80	18.80	16.20		15.20		
31		2.20		108.40	331.40		123.50		18.60	16.00		15.00		
Total	405.40	343.60	52.95	1421.75	3931.50	5659.20	4744.55	1398.40	601.20	539.20	492.20	508.40	20098.35	CMSDAY
Mean	13.51	11.08	1.77	45.86	126.82	188.64	153.05	46.61	19.39	17.39	17.58	16.40	55.06	CMS
Max	18.60	42.80	4.20	187.50	385.30	414.00	188.10	117.00	23.20	20.00	22.40	18.80	414.00	CMS
Min	12.20	2.20	0.60	0.95	31.70	146.50	99.25	21.40	16.00	13.20	16.00	13.20	0.60	CMS
Runoff	35.03	29.69	4.57	122.84	339.68	488.95	409.93	120.82	51.94	46.59	42.53	43.93	1736.50	MCM
Momentary Peak		417.20	CMS, at	11.99 m. (MSL.), at	22.00 Hours, on Sep 27, 2021									
Runoff Yield		26.20	Liters/Second/Square KM.		Momentary Peak Yield			198.48	Liters/Second/Square KM.					

WATER YEAR : 2021**PRACHIN BURI RIVER BASIN****Khlong Phra Prong at Ban Kaeng Sai , Sa Kao (Kgt.44)**

Lat 13 - 51 - 21 N Long 102 - 08 - 30 E

Location : on left bank at the bridge.

	Ban Kaeng Sai	Amphoe Mueang	Changwat Sa Kao
Drainage Area	1,010 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+27.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank near the top staff gage.	Elevation	+33.898 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings		
Period of Available Gage Records	2014 to date		
Rating Operation			
Period of Rating	2014 to date		
Rated by Float	-		
Rated by Current Meter	2014 to date		
Stability of Channel Regimes	Fairly stable because of backwater effect.		
Overbank Flow Conditions	Overbank flow starts at elevation + 33.080 m.(MSL.), records are channel flow only.		
General Description	Records very good. Stage-discharge relation defined by 70 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

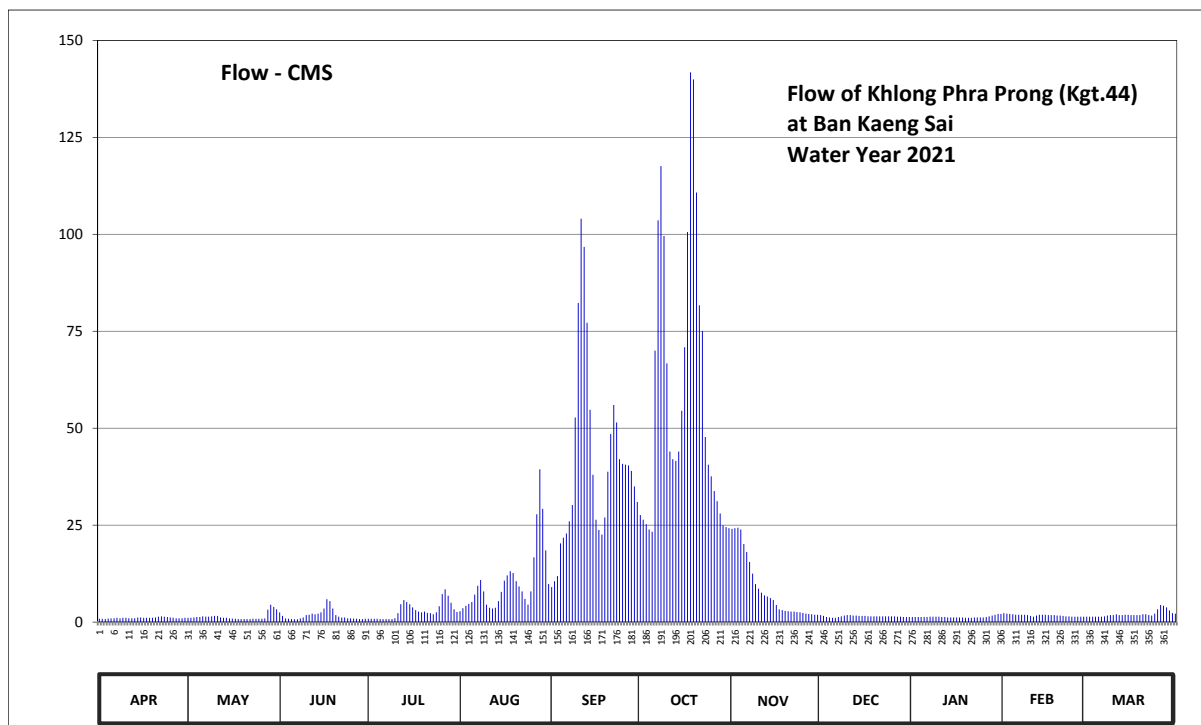
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	27.37	27.41	27.55	27.37	27.58	28.17	29.38	29.17	27.48	27.43	27.53	27.44	
2	27.37	27.41	27.46	27.37	27.66	28.27	29.32	29.18	27.46	27.43	27.52	27.44	
3	27.36	27.42	27.39	27.37	27.72	28.36	29.25	29.19	27.43	27.43	27.51	27.44	
4	27.38	27.43	27.37	27.37	27.77	28.92	29.16	29.16	27.42	27.43	27.50	27.44	
5	27.39	27.43	27.36	27.36	27.82	29.02	29.12	28.91	27.41	27.43	27.49	27.44	
6	27.40	27.45	27.35	27.36	28.01	29.09	31.20	28.77	27.41	27.43	27.49	27.44	
7	27.41	27.44	27.35	27.36	28.19	29.30	32.24	28.60	27.43	27.44	27.49	27.45	
8	27.40	27.44	27.39	27.36	28.29	29.51	32.59	28.40	27.45	27.44	27.49	27.47	
9	27.41	27.45	27.42	27.36	28.09	30.55	32.13	28.22	27.47	27.44	27.48	27.48	
10	27.41	27.46	27.48	27.40	27.75	31.61	31.09	28.14	27.48	27.44	27.46	27.48	
11	27.40	27.46	27.49	27.53	27.67	32.25	30.20	28.06	27.48	27.43	27.44	27.50	
12	27.40	27.42	27.52	27.76	27.65	32.05	30.10	27.99	27.47	27.43	27.47	27.48	
13	27.40	27.41	27.50	27.87	27.67	31.44	30.08	27.96	27.47	27.42	27.49	27.48	
14	27.42	27.41	27.52	27.82	27.84	30.63	30.20	27.92	27.46	27.42	27.49	27.49	
15	27.42	27.39	27.55	27.76	28.08	29.90	30.62	27.87	27.46	27.42	27.49	27.49	
16	27.41	27.38	27.65	27.68	28.28	29.32	31.23	27.74	27.46	27.42	27.48	27.48	
17	27.41	27.37	27.89	27.61	28.37	29.15	32.16	27.63	27.45	27.42	27.48	27.48	
18	27.41	27.36	27.84	27.57	28.44	29.07	33.15	27.61	27.45	27.42	27.48	27.48	
19	27.41	27.36	27.65	27.55	28.41	29.35	33.11	27.59	27.45	27.41	27.47	27.48	
20	27.42	27.36	27.48	27.57	28.27	29.94	32.42	27.58	27.45	27.41	27.47	27.50	
21	27.44	27.36	27.44	27.54	28.18	30.38	31.59	27.57	27.45	27.41	27.46	27.50	
22	27.45	27.36	27.42	27.53	28.09	30.68	31.37	27.57	27.45	27.42	27.45	27.48	
23	27.44	27.37	27.42	27.50	27.90	30.50	30.35	27.56	27.45	27.42	27.45	27.47	
24	27.43	27.37	27.40	27.55	27.75	30.10	30.03	27.55	27.45	27.42	27.44	27.52	
25	27.42	27.37	27.39	27.71	28.09	30.04	29.88	27.54	27.45	27.42	27.44	27.63	
26	27.41	27.37	27.38	28.02	28.68	30.03	29.69	27.52	27.45	27.43	27.44	27.74	
27	27.40	27.39	27.37	28.13	29.39	30.02	29.56	27.51	27.44	27.45	27.44	27.72	
28	27.40	27.62	27.36	27.98	29.97	29.95	29.40	27.50	27.44	27.47	27.44	27.68	
29	27.40	27.75	27.36	27.80	29.46	29.75	29.23	27.49	27.43	27.49		27.60	
30	27.41	27.69	27.37	27.63	28.80	29.55	29.20	27.49	27.43	27.51		27.53	
31		27.63		27.56	28.22		29.18		27.43	27.51		27.52	
Mean	27.41	27.44	27.47	27.59	28.20	29.90	30.59	28.03	27.45	27.44	27.47	27.51	
Max	27.45	27.75	27.89	28.13	29.97	32.25	33.15	29.19	27.48	27.51	27.53	27.74	33.15
Min	27.36	27.36	27.35	27.36	27.58	28.17	29.12	27.49	27.41	27.41	27.44	27.44	27.35

Annual Max Momentary Gage Height 33.28 m. (MSL.) , at 18.00 Hours, on Oct 18, 2021

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 Area 1,010 Square Kilometers



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.85	1.10	2.50	0.85	2.80	9.05	27.60	24.05	1.80	1.30	2.30	1.40		
2	0.85	1.10	1.60	0.85	3.60	10.55	26.40	24.20	1.60	1.30	2.20	1.40		
3	0.80	1.20	0.95	0.85	4.20	11.90	25.25	24.35	1.30	1.30	2.10	1.40		
4	0.90	1.30	0.85	0.85	4.70	20.30	23.90	23.90	1.20	1.30	2.00	1.40		
5	0.95	1.30	0.80	0.80	5.20	21.80	23.30	20.15	1.10	1.30	1.90	1.40		
6	1.00	1.50	0.75	0.80	7.10	22.85	70.00	18.05	1.10	1.30	1.90	1.40		
7	1.10	1.40	0.75	0.80	9.35	26.00	103.60	15.50	1.30	1.40	1.90	1.50		
8	1.00	1.40	0.95	0.80	10.85	30.20	117.60	12.50	1.50	1.40	1.90	1.70		
9	1.10	1.50	1.20	0.80	7.90	52.75	99.55	9.80	1.70	1.40	1.80	1.80		
10	1.10	1.60	1.80	1.00	4.50	82.30	66.70	8.60	1.80	1.40	1.60	1.80		
11	1.00	1.60	1.90	2.30	3.70	104.00	44.00	7.60	1.80	1.30	1.40	2.00		
12	1.00	1.20	2.20	4.60	3.50	96.75	42.00	6.90	1.70	1.30	1.70	1.80		
13	1.00	1.10	2.00	5.70	3.70	77.20	41.60	6.60	1.70	1.20	1.90	1.80		
14	1.20	1.10	2.20	5.20	5.40	54.75	44.00	6.20	1.60	1.20	1.90	1.90		
15	1.20	0.95	2.50	4.60	7.80	38.00	54.50	5.70	1.60	1.20	1.90	1.90		
16	1.10	0.90	3.50	3.80	10.70	26.40	70.90	4.40	1.60	1.20	1.80	1.80		
17	1.10	0.85	5.90	3.10	12.05	23.75	100.60	3.30	1.50	1.20	1.80	1.80		
18	1.10	0.80	5.40	2.70	13.10	22.55	141.75	3.10	1.50	1.20	1.80	1.80		
19	1.10	0.80	3.50	2.50	12.65	27.00	139.95	2.90	1.50	1.10	1.70	1.80		
20	1.20	0.80	1.80	2.70	10.55	38.80	110.80	2.80	1.50	1.10	1.70	2.00		
21	1.40	0.80	1.40	2.40	9.20	48.50	81.70	2.70	1.50	1.10	1.60	2.00		
22	1.50	0.80	1.20	2.30	7.90	56.00	75.10	2.70	1.50	1.20	1.50	1.80		
23	1.40	0.85	1.20	2.00	6.00	51.50	47.75	2.60	1.50	1.20	1.50	1.70		
24	1.30	0.85	1.00	2.50	4.50	42.00	40.60	2.50	1.50	1.20	1.40	2.20		
25	1.20	0.85	0.95	4.10	7.90	40.80	37.60	2.40	1.50	1.20	1.40	3.30		
26	1.10	0.85	0.90	7.20	16.70	40.60	33.80	2.20	1.50	1.30	1.40	4.40		
27	1.00	0.95	0.85	8.45	27.80	40.40	31.20	2.10	1.40	1.50	1.40	4.20		
28	1.00	3.20	0.80	6.80	39.40	39.00	28.00	2.00	1.40	1.70	1.40	3.80		
29	1.00	4.50	0.80	5.00	29.20	35.00	24.95	1.90	1.30	1.90		3.00		
30	1.10	3.90	0.85	3.30	18.50	31.00	24.50	1.90	1.30	2.10		2.30		
31		3.30		2.60	9.80		24.20		1.30	2.10		2.20		
Total	32.65	44.35	53.00	92.25	320.25	1221.70	1823.40	253.60	46.10	41.90	48.80	64.70	4042.70	CMSDAY
Mean	1.09	1.43	1.77	2.98	10.33	40.72	58.82	8.45	1.49	1.35	1.74	2.09	11.08	CMS
Max	1.50	4.50	5.90	8.45	39.40	104.00	141.75	24.35	1.80	2.10	2.30	4.40	141.75	CMS
Min	0.80	0.80	0.75	0.80	2.80	9.05	23.30	1.90	1.10	1.10	1.40	1.40	0.75	CMS
Runoff	2.82	3.83	4.58	7.97	27.67	105.55	157.54	21.91	3.98	3.62	4.22	5.59	349.29	MCM
Momentary Peak	148.00 CMS, at 33.28 m. (MSL.), at 18.00 Hours, on Oct 18, 2021													
Runoff Yield	10.97 Liters/Second/Square KM.			Momentary Peak Yield			146.53 Liters/Second/Square KM.							

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1		0.95	0.38	0.35	0.75	1.60	2.20	0.90	0.50	0.43	0.38	0.35		
2		0.75	0.35	0.35	0.85	0.85	3.50	0.90	0.50	0.43	0.38	0.33		
3		0.70	0.33	0.33	0.70	0.85	1.90	0.90	0.55	0.43	0.38	0.50		
4		0.48	0.30	0.30	0.60	1.00	1.90	0.90	0.50	0.43	0.38	0.48		
5		0.40	0.28	0.28	0.60	1.45	1.30	0.90	0.45	0.43	0.35	0.40		
6		0.43	0.25	0.28	0.55	1.30	11.25	0.90	0.50	0.40	0.33	0.40		
7		0.55	0.25	0.30	0.50	2.20	6.10	0.90	0.50	0.40	0.33	0.38		
8		0.48	0.25	0.33	0.60	13.80	3.70	0.85	0.50	0.40	0.33	0.55		
9		0.43	0.35	0.35	0.60	6.80	2.35	0.85	0.50	0.40	0.33	0.48		
10		0.50	0.33	0.55	0.75	14.20	1.90	0.85	0.48	0.40	0.38	0.40		
11		0.43	0.38	0.65	0.45	7.10	1.45	0.85	0.55	0.40	0.38	0.40		
12		0.40	0.38	0.55	0.55	3.30	2.20	0.85	0.48	0.40	0.40	0.38		
13		0.38	0.40	0.48	0.40	1.90	14.20	0.85	0.48	0.43	0.55	0.35		
14		0.38	1.00	0.80	0.48	1.30	4.10	0.80	0.45	0.40	0.55	0.35		
15		0.38	0.70	0.65	0.50	1.15	3.70	0.80	0.48	0.38	0.55	0.33		
16	0.40	0.38	0.60	0.55	0.60	1.00	4.90	0.75	0.45	0.38	0.45	0.33		
17	0.38	0.48	0.50	0.50	0.70	0.85	3.50	0.70	0.45	0.38	0.45	0.35		
18	0.33	0.43	0.80	0.43	0.60	0.75	7.40	0.85	0.45	0.38	0.45	0.40		
19	0.30	0.55	0.55	0.43	0.45	0.80	4.50	0.80	0.45	0.38	0.40	0.35		
20	0.25	0.65	0.70	0.40	0.45	3.90	2.90	0.75	0.45	0.35	0.40	0.40		
21	0.20	0.45	0.43	0.40	0.43	3.90	2.20	0.70	0.45	0.38	0.40	0.40		
22	0.13	0.40	0.43	0.40	0.55	2.50	2.05	0.65	0.45	0.38	0.40	0.40		
23	0.20	0.38	0.40	0.38	0.48	1.75	1.60	0.65	0.45	0.38	0.38	0.40		
24	0.23	0.38	0.40	0.38	0.45	1.30	1.60	0.65	0.45	0.38	0.38	0.45		
25	0.25	0.35	0.40	0.85	0.43	2.35	1.30	0.65	0.45	0.40	0.35	0.45		
26	0.33	0.35	0.38	0.55	0.48	10.90	1.00	0.65	0.43	0.40	0.33	0.40		
27	0.65	0.33	0.35	0.40	4.90	4.50	0.95	0.65	0.45	0.35	0.33	0.60		
28	0.50	0.55	0.30	0.40	4.30	2.50	1.75	0.60	0.45	0.35	0.33	0.35		
29	0.48	0.43	0.30	3.50	2.35	2.35	1.15	0.60	0.43	0.35		0.35		
30	0.45	0.40	0.25	0.85	1.90	1.75	0.95	0.55	0.45	0.35		0.48		
31		0.38		0.75	0.90		0.90		0.43	0.35		0.40		
Total	5.08	14.53	12.72	17.72	28.85	99.90	100.40	23.20	14.56	12.10	11.05	12.59	352.70	CMSDAY
Mean	0.34	0.47	0.42</											

WATER YEAR : 2021

PRACHIN BURI RIVER BASIN

Klong 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 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

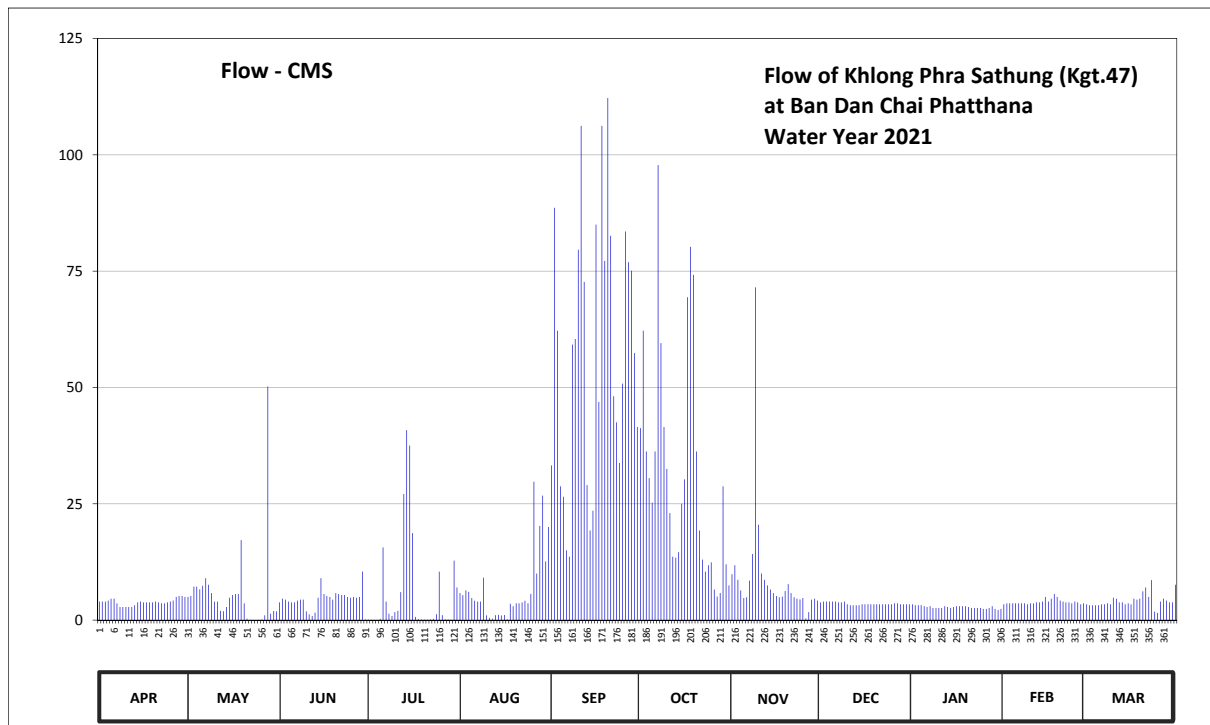
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	55.10	55.15	55.09	53.83	53.72	55.01	55.33	53.99	55.09	55.07	55.07	55.07	
2	55.10	55.16	55.13	53.72	53.69	56.89	56.04	54.09	55.10	55.06	55.08	55.06	
3	55.10	55.26	55.12	53.66	53.76	56.04	55.13	53.91	55.10	55.06	55.08	55.06	
4	55.11	55.26	55.10	53.68	53.74	54.83	54.90	53.76	55.10	55.06	55.08	55.06	
5	55.13	55.23	55.09	54.13	53.65	54.74	54.69	53.65	55.10	55.05	55.08	55.06	
6	55.13	55.27	55.09	55.54	53.61	54.25	55.13	53.66	55.10	55.04	55.08	55.07	
7	55.08	55.35	55.11	55.10	53.60	54.18	57.12	53.90	55.09	55.05	55.08	55.07	
8	55.04	55.28	55.12	54.69	53.60	55.94	55.95	54.21	55.09	55.03	55.08	55.08	
9	55.04	55.19	55.12	54.45	53.94	55.98	55.34	56.35	55.10	55.03	55.07	55.07	
10	55.04	55.10	54.94	54.86	54.51	56.62	54.98	54.50	55.07	55.03	55.08	55.14	
11	55.04	55.10	54.62	55.00	54.24	57.33	54.60	54.00	55.06	55.03	55.08	55.13	
12	55.04	55.00	54.45	55.20	54.16	56.39	54.18	53.91	55.06	55.05	55.09	55.09	
13	55.06	54.97	54.80	55.73	54.53	54.84	54.17	53.83	55.06	55.04	55.09	55.09	
14	55.09	55.04	55.14	55.88	54.57	54.45	54.23	53.77	55.06	55.03	55.10	55.07	
15	55.10	55.14	55.35	55.85	54.50	54.62	54.68	53.72	55.07	55.04	55.15	55.08	
16	55.09	55.17	55.18	55.61	54.55	56.80	54.89	53.68	55.07	55.05	55.10	55.07	
17	55.09	55.18	55.16	54.35	54.07	55.53	56.28	53.66	55.07	55.05	55.13	55.13	
18	55.09	55.18	55.15	54.09	53.55	57.33	56.64	53.67	55.07	55.05	55.18	55.12	
19	55.09	55.58	55.12	53.86	53.50	56.54	56.44	53.75	55.07	55.05	55.15	55.13	
20	55.10	55.08	55.19	53.73	53.56	57.48	55.13	53.85	55.07	55.04	55.11	55.21	
21	55.09	54.15	55.18	53.76	53.56	56.72	54.45	53.72	55.07	55.03	55.10	55.25	
22	55.08	53.68	55.17	54.02	53.58	55.57	54.15	53.66	55.07	55.03	55.09	55.15	
23	55.08	53.35	55.17	54.13	53.61	55.38	54.02	53.64	55.07	55.03	55.09	55.33	
24	55.09	53.35	55.15	54.63	53.56	55.03	54.09	53.63	55.07	55.03	55.08	54.91	
25	55.10	53.64	55.14	55.41	53.71	55.66	54.12	53.65	55.07	55.02	55.10	54.78	
26	55.11	53.99	55.15	54.53	54.87	56.75	53.77	54.18	55.08	55.02	55.09	55.10	
27	55.15	54.52	55.14	54.11	54.00	56.53	53.67	54.85	55.08	55.03	55.07	55.13	
28	55.16	55.94	55.15	53.86	54.49	56.47	53.72	55.12	55.07	55.05	55.08	55.11	
29	55.16	54.68	55.41	53.77	54.75	55.88	54.83	55.13	55.07	55.02		55.09	
30	55.15	54.98	53.94	54.14	54.13	55.34	54.10	55.11	55.07	55.01		55.09	
31		54.95		53.80	54.48		53.83		55.07	55.02		55.28	
Mean	55.09	54.87	55.06	54.49	53.99	55.84	54.86	54.09	55.08	55.04	55.09	55.10	
Max	55.16	55.94	55.41	55.88	54.87	57.48	57.12	56.35	55.10	55.07	55.18	55.33	57.48
Min	55.04	53.35	53.94	53.66	53.50	54.18	53.67	53.63	55.06	55.01	55.07	54.78	53.35

Annual Max Momentary Gage Height 57.84 m. (MSL.) , at 12.00 Hours, on Sep 18, 2021

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 Area 1,431 Square Kilometers



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	4.00	5.00	3.80	0.11	5.80	33.25	41.25	9.85	3.80	3.40	3.40	3.40		
2	4.00	5.20	4.60	0.09	5.35	88.60	62.20	11.80	4.00	3.20	3.60	3.20		
3	4.00	7.20	4.40	0.08	6.40	62.20	36.25	8.65	4.00	3.20	3.60	3.20		
4	4.20	7.20	4.00	0.08	6.10	28.75	30.50	6.40	4.00	3.20	3.60	3.20		
5	4.60	6.60	3.80	0.26	4.75	26.50	25.25	4.75	4.00	3.00	3.60	3.20		
6	4.60	7.40	3.80	15.60	4.15	15.00	36.25	4.90	4.00	2.80	3.60	3.40		
7	3.60	9.00	4.20	4.00	4.00	13.60	97.80	8.50	3.80	3.00	3.60	3.40		
8	2.80	7.60	4.40	1.38	4.00	59.20	59.50	14.20	3.80	2.60	3.60	3.60		
9	2.80	5.80	4.40	0.90	9.10	60.40	41.50	71.50	4.00	2.60	3.40	3.40		
10	2.80	4.00	1.88	1.72	1.02	79.60	32.50	20.50	3.40	2.60	3.60	4.80		
11	2.80	4.00	1.24	2.00	0.48	106.20	23.00	10.00	3.20	2.60	3.60	4.60		
12	2.80	2.00	0.90	6.00	0.32	72.70	13.60	8.65	3.20	3.00	3.80	3.80		
13	3.20	1.94	1.60	27.10	1.06	29.00	13.40	7.45	3.20	2.80	3.80	3.80		
14	3.80	2.80	4.80	40.80	1.14	19.25	14.60	6.55	3.20	2.60	4.00	3.40		
15	4.00	4.80	9.00	37.50	1.00	23.50	25.00	5.80	3.40	2.80	5.00	3.60		
16	3.80	5.40	5.60	18.70	1.10	85.00	30.25	5.20	3.40	3.00	4.00	3.40		
17	3.80	5.60	5.20	0.70	0.18	46.90	69.40	4.90	3.40	3.00	4.60	4.60		
18	3.80	5.60	5.00	0.19	3.50	106.20	80.20	5.05	3.40	3.00	5.60	4.40		
19	3.80	17.20	4.40	0.12	3.00	77.20	74.20	6.25	3.40	3.00	5.00	4.60		
20	4.00	3.60	5.80	0.09	3.60	112.20	36.25	7.75	3.40	2.80	4.20	6.20		
21	3.80	0.30	5.60	0.10	3.60	82.60	19.25	5.80	3.40	2.60	4.00	7.00		
22	3.60	0.08	5.40	0.15	3.80	48.10	13.00	4.90	3.40	2.60	3.80	5.00		
23	3.60	0.03	5.40	0.26	4.15	42.50	10.40	4.60	3.40	2.60	3.80	8.60		
24	3.80	0.03	5.00	1.26	3.60	33.75	11.80	4.45	3.40	2.60	3.60	1.82		
25	4.00	0.08	4.80	10.40	5.65	50.80	12.40	4.75	3.40	2.40	4.00	1.56		
26	4.20	0.14	5.00	1.06	29.75	83.50	6.55	0.36	3.60	2.40	3.80	4.00		
27	5.00	1.04	4.80	0.22	10.00	76.90	5.05	1.70	3.60	2.60	3.40	4.60		
28	5.20	50.20	5.00	0.12	20.25	75.10	5.80	4.40	3.40	3.00	3.60	4.20		
29	5.20	1.36	10.40	0.10	26.75	57.40	28.75	4.60	3.40	2.40		3.80		
30	5.00	1.96	0.13	12.80	12.60	41.50	12.00	4.20	3.40	2.20		3.80		
31		1.90		7.00	20.00		7.45		3.40	2.40		7.60		
Total	116.60	175.06	134.35	190.89	206.20	1737.40	975.35	268.41	109.80	86.00	109.20	129.18	4238.44	CMSDAY
Mean	3.89	5.65	4.48	6.16	6.65	57.91	31.46	8.95	3.54	2.77	3.90	4.17	11.61	CMS
Max	5.20	50.20	10.40	40.80	29.75	112.20	97.80	71.50	4.00	3.40	5.60	8.60	112.20	CMS
Min	2.80	0.03	0.13	0.08	0.18	13.60	5.05	0.36	3.20	2.20	3.40	1.56	0.03	CMS
Runoff	10.07	15.13	11.61	16.49	17.82	150.11	84.27	23.19	9.49	7.43	9.43	11.16	366.20	MCM
Momentary Peak	CMS, at 57.84 m. (MSL.), at 12.00 Hours, on Sep 18, 2021													
Runoff Yield	8.11	Liters/Second/Square KM.			Momentary Peak Yield			88.47	Liters/Second/Square KM.					

WATER YEAR : 2021

BANG PAKONG RIVER BASIN

Nakhon Nayok River at Ban Khao Nang Buat , Nakhon Nayok (Ny.1B)

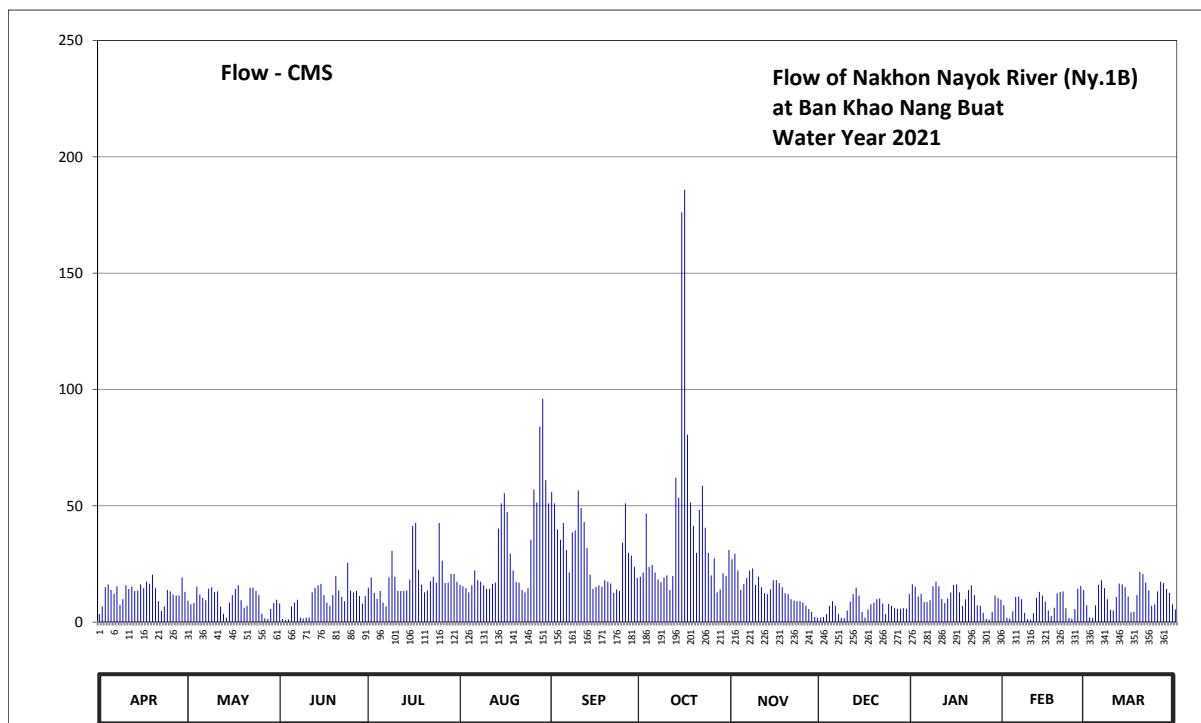
Lat 14 - 14 - 45 N Long 101 - 16 - 27 E

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 33 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.07	4.36	4.30	4.64	4.70	5.82	4.85	5.10	3.98	4.71	4.26	4.26	
2	4.24	4.28	3.87	4.84	4.67	5.70	4.91	5.16	4.01	4.66	3.99	4.00	
3	4.65	4.31	3.79	4.53	4.63	5.42	5.59	4.94	4.07	4.45	3.90	3.96	
4	4.71	4.66	3.83	4.40	4.54	5.31	4.99	4.59	4.25	4.51	4.13	4.26	
5	4.59	4.49	4.24	4.57	4.69	5.49	5.02	4.72	4.35	4.33	4.44	4.70	
6	4.51	4.42	4.32	4.32	4.94	5.20	4.91	4.83	4.25	4.33	4.45	4.80	
7	4.67	4.37	4.38	4.24	4.80	4.91	4.81	4.94	4.08	4.37	4.39	4.63	
8	4.27	4.62	4.00	4.84	4.77	5.39	4.76	4.97	3.97	4.67	4.10	4.39	
9	4.39	4.65	3.91	5.19	4.69	5.41	4.84	4.70	3.93	4.77	3.84	4.16	
10	4.69	4.55	3.98	4.85	4.61	5.84	4.87	4.85	4.15	4.67	3.81	4.15	
11	4.61	4.56	4.00	4.57	4.62	5.65	4.59	4.65	4.34	4.40	4.09	4.44	
12	4.66	4.23	4.54	4.57	4.72	5.50	4.86	4.52	4.50	4.31	4.42	4.73	
13	4.57	4.08	4.64	4.57	4.75	5.22	5.96	4.50	4.64	4.41	4.55	4.71	
14	4.58	3.99	4.69	4.58	5.43	4.88	5.76	4.60	4.47	4.54	4.47	4.65	
15	4.71	4.32	4.72	4.81	5.70	4.61	7.93	4.80	4.12	4.70	4.34	4.45	
16	4.63	4.48	4.48	5.46	5.81	4.66	8.07	4.80	3.98	4.71	4.15	4.11	
17	4.77	4.61	4.32	5.49	5.61	4.69	6.33	4.74	4.17	4.54	4.03	4.12	
18	4.72	4.69	4.25	4.95	5.16	4.66	5.71	4.65	4.28	4.25	4.21	4.48	
19	4.88	4.37	4.48	4.70	4.94	4.80	5.46	4.52	4.32	4.39	4.52	4.92	
20	4.63	4.21	4.86	4.54	4.76	4.77	5.17	4.50	4.39	4.59	4.55	4.89	
21	4.35	4.25	4.58	4.58	4.75	4.73	5.63	4.39	4.41	4.69	4.56	4.75	
22	4.14	4.64	4.44	4.78	4.59	4.53	5.89	4.36	4.30	4.48	4.20	4.58	
23	4.24	4.64	4.35	4.85	4.54	4.60	5.44	4.35	4.07	4.26	3.96	4.25	
24	4.59	4.57	5.05	4.75	4.63	4.57	5.17	4.35	4.29	4.25	3.90	4.28	
25	4.56	4.48	4.58	5.49	5.31	5.28	4.87	4.32	4.25	4.10	4.18	4.56	
26	4.49	4.08	4.54	5.08	5.85	5.70	5.11	4.25	4.20	3.88	4.62	4.77	
27	4.47	3.93	4.57	4.74	5.71	5.17	4.54	4.18	4.19	3.82	4.68	4.74	
28	4.47	3.88	4.46	4.75	6.40	5.14	4.60	4.12	4.19	4.12	4.59	4.61	
29	4.84	4.18	4.30	4.89	6.64	4.99	4.90	4.01	4.20	4.47		4.53	
30	4.55	4.31	4.46	4.89	5.94	4.83	4.86	3.97	4.19	4.42		4.28	
31		4.38		4.77	5.70		5.20		4.50	4.38		4.17	
Mean	4.54	4.37	4.36	4.78	5.12	5.12	5.34	4.58	4.23	4.43	4.26	4.46	
Max	4.88	4.69	5.05	5.49	6.64	5.84	8.07	5.16	4.64	4.77	4.68	4.92	8.07
Min	4.07	3.88	3.79	4.24	4.54	4.53	4.54	3.97	3.93	3.82	3.81	3.96	3.79
Annual Max Momentary Gage Height	9.01		m. (MSL.) ,			at 01.00 Hours , on Oct 16, 2021							
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.40	9.20	8.00	14.80	16.00	55.80	19.50	27.00	1.90	16.20	7.20	7.20		
2	6.80	7.60	1.35	19.20	15.40	51.00	21.30	29.40	2.20	15.20	1.95	2.00		
3	15.00	8.20	0.95	12.60	14.60	39.80	46.60	22.20	3.40	11.00	1.50	1.80		
4	16.20	15.20	1.15	10.00	12.80	35.40	23.70	13.80	7.00	12.20	4.60	7.20		
5	13.80	11.80	6.80	13.40	15.80	42.60	24.60	16.40	9.00	8.60	10.80	16.00		
6	12.20	10.40	8.40	8.40	22.20	31.00	21.30	18.90	7.00	8.60	11.00	18.00		
7	15.40	9.40	9.60	6.80	18.00	21.30	18.30	22.20	3.60	9.40	9.80	14.60		
8	7.40	14.40	2.00	19.20	17.40	38.60	17.20	23.10	1.85	15.40	4.00	9.80		
9	9.80	15.00	1.55	30.60	15.80	39.40	19.20	16.00	1.65	17.40	1.20	5.20		
10	15.80	13.00	1.90	19.50	14.20	56.60	20.10	19.50	5.00	15.40	1.05	5.00		
11	14.20	13.20	2.00	13.40	14.40	49.00	13.80	15.00	8.80	10.00	3.80	10.80		
12	15.20	6.60	12.80	13.40	16.40	43.00	19.80	12.40	12.00	8.20	10.40	16.60		
13	13.40	3.60	14.80	13.40	17.00	31.80	62.00	12.00	14.80	10.20	13.00	16.20		
14	13.60	1.95	15.80	13.60	40.20	20.40	53.40	14.00	11.40	12.80	11.40	15.00		
15	16.20	8.40	16.40	18.30	51.00	14.20	176.10	18.00	4.40	16.00	8.80	11.00		
16	14.60	11.60	11.60	41.40	55.40	15.20	185.90	18.00	1.90	16.20	5.00	4.20		
17	17.40	14.20	8.40	42.60	47.40	15.80	80.50	16.80	5.40	12.80	2.60	4.40		
18	16.40	15.80	7.00	22.50	29.40	15.20	51.40	15.00	7.60	7.00	6.20	11.60		
19	20.40	9.40	11.60	16.00	22.20	18.00	41.40	12.40	8.40	9.80	12.40	21.60		
20	14.60	6.20	19.80	12.80	17.20	17.40	29.80	12.00	9.80	13.80	13.00	20.70		
21	9.00	7.00	13.60	13.60	17.00	16.60	48.20	9.80	10.20	15.80	13.20	17.00		
22	4.80	14.80	10.80	17.60	13.80	12.60	58.60	9.20	8.00	11.60	6.00	13.60		
23	6.80	14.80	9.00	19.50	12.80	14.00	40.60	9.00	3.40	7.20	1.80	7.00		
24	13.80	13.40	25.50	17.00	14.60	13.40	29.80	9.00	7.80	7.00	1.50	7.60		
25	13.20	11.60	13.60	42.60	35.40	34.20	20.10	8.40	7.00	4.00	5.60	13.20		
26	11.80	3.60	12.80	26.40	57.00	51.00	27.40	7.00	6.00	1.40	14.40	17.40		
27	11.40	1.65	13.40	16.80	51.40	29.80	12.80	5.60	5.80	1.10	15.60	16.80		
28	11.40	1.40	11.20	17.00	84.00	28.60	14.00	4.40	5.80	4.40	13.80	14.20		
29	19.20	5.60	8.00	20.70	96.00	23.70	21.00	2.20	6.00	11.40		12.60		
30	13.00	8.20	11.20	20.70	61.00	18.90	19.80	1.85	5.80	10.40		7.60		
31		9.60		17.40	51.00		31.00		12.00	9.60		5.40		
Total	386.20	296.80	291.00	591.20	966.80	894.30	1269.20	420.55	204.90	330.10	211.60	351.30	6213.95	CMSDAY
Mean	12.87	9.57	9.70	19.07	31.19	29.81	40.94	14.02	6.61	10.65	7.56	11.33	17.02	CMS
Max	20.40	15.80	25.50	42.60	96.00	56.60	185.90	29.40	14.80	17.40	15.60	21.60	185.90	CMS
Min	3.40	1.40	0.95	6.80	12.80	12.60	12.80	1.85	1.65	1.10	1.05	1.80	0.95	CMS
Runoff	33.37	25.64	25.14	51.08	83.53	77.27	109.66	36.34	17.70	28.52	18.28	30.35	536.89	MCM
Momentary Peak	CMS. at 9.01 m. (MSL.) at 01.00 Hours , on Oct 16, 2021													
Runoff Yield	32.49	Liters/Second/Square KM.				Momentary Peak Yield				503.63	Liters/Second/Square KM.			

WATER YEAR : 2021

BANG PAKONG RIVER BASIN

Lower Khlong Ban Na at Ban Pa Kha , Nakhon Nayok (Ny.3)

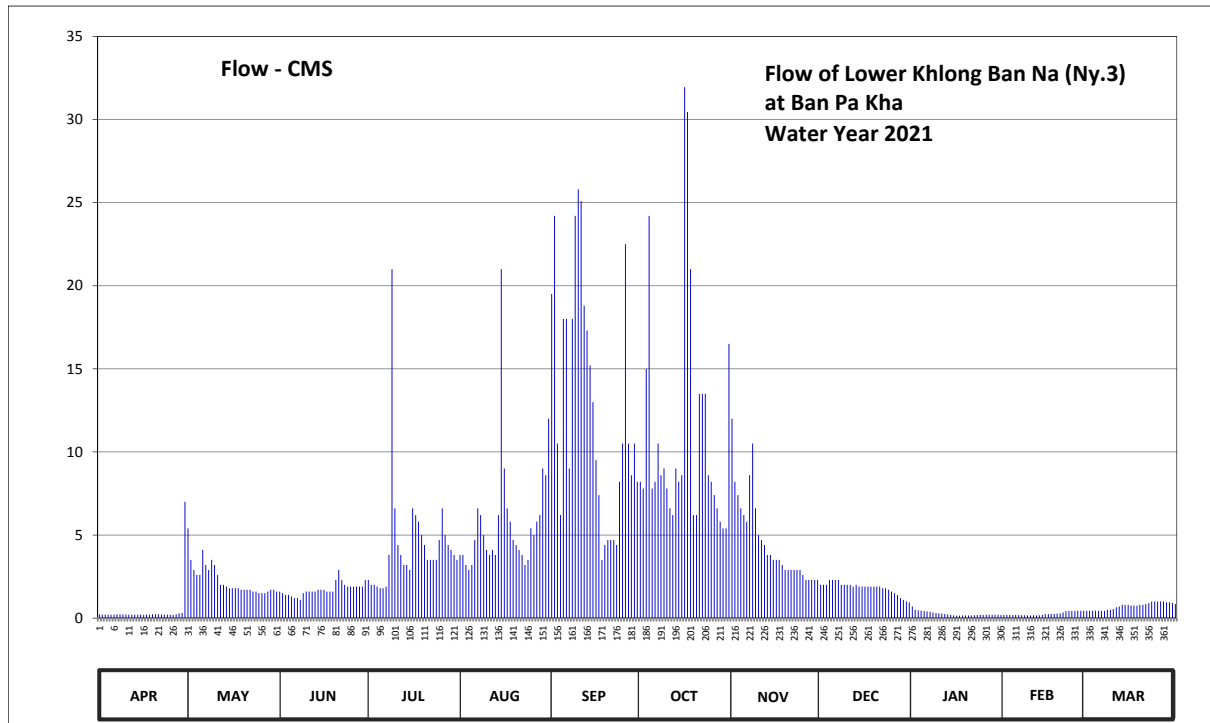
Lat 14 - 17 - 11 N Long 101 - 04 - 14 E

Location : on left bank near Wat Ban Pa Kha.

	Ban Pa Kha	Amphoe Ban Na	Changwat Nakhon Nayok
Drainge 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	No overbank flow.		
General Description	Records very good. Flow effected by the local weir. Stage-discharge relation defined by 20 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

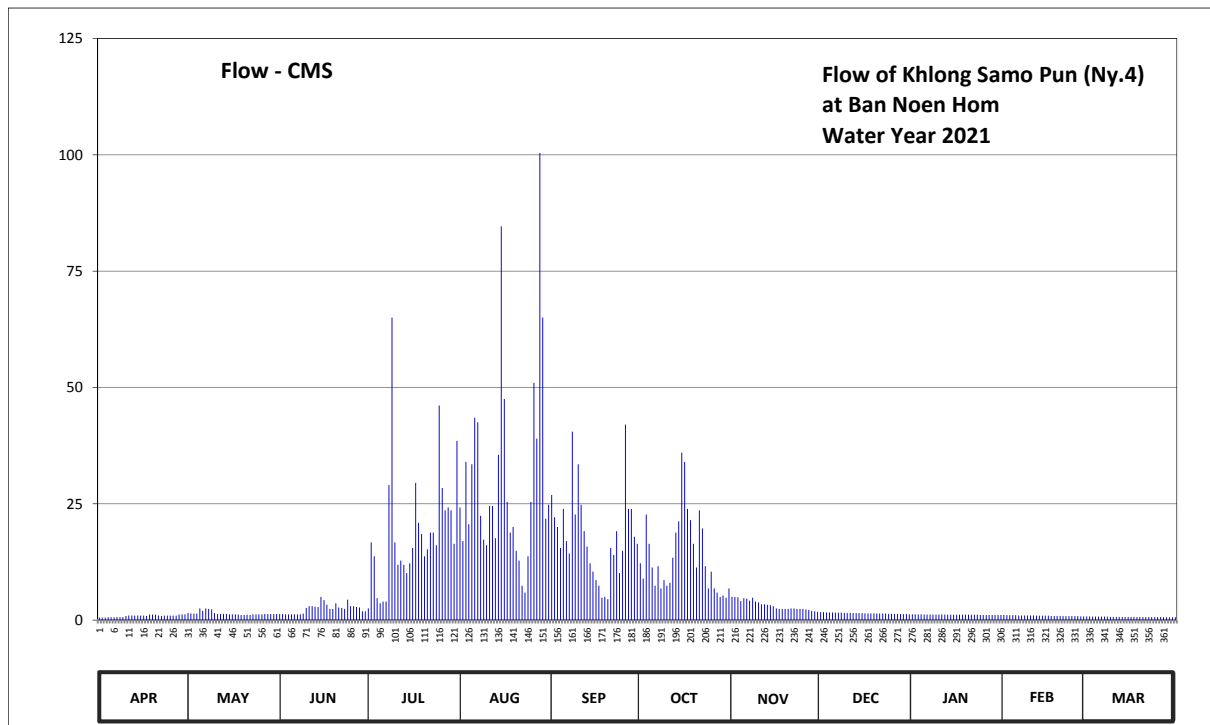
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.63	9.21	9.06	9.11	9.16	9.37	9.28	9.32	9.10	8.94	8.59	8.84	
2	8.62	9.15	9.05	9.10	9.16	9.42	9.27	9.28	9.10	8.90	8.59	8.84	
3	8.61	9.13	9.04	9.10	9.14	9.31	9.34	9.26	9.10	8.87	8.59	8.85	
4	8.61	9.12	9.04	9.09	9.13	9.23	9.42	9.24	9.11	8.84	8.58	8.85	
5	8.60	9.12	9.03	9.08	9.14	9.36	9.27	9.23	9.11	8.82	8.59	8.84	
6	8.61	9.17	9.02	9.08	9.19	9.36	9.28	9.22	9.11	8.80	8.58	8.83	
7	8.62	9.14	9.02	9.09	9.24	9.30	9.31	9.29	9.11	8.77	8.57	8.83	
8	8.63	9.13	9.01	9.16	9.23	9.36	9.29	9.31	9.10	8.74	8.57	8.89	
9	8.62	9.15	9.05	9.38	9.20	9.42	9.30	9.24	9.10	8.71	8.56	8.90	
10	8.62	9.14	9.06	9.24	9.17	9.58	9.27	9.20	9.10	8.69	8.56	8.91	
11	8.61	9.12	9.06	9.18	9.16	9.51	9.24	9.19	9.10	8.67	8.57	8.93	
12	8.61	9.10	9.06	9.16	9.17	9.26	9.23	9.18	9.09	8.65	8.56	8.94	
13	8.60	9.10	9.06	9.14	9.16	9.21	9.30	9.16	9.10	8.62	8.57	8.96	
14	8.61	9.09	9.07	9.14	9.23	9.14	9.28	9.16	9.09	8.59	8.59	8.96	
15	8.61	9.08	9.07	9.13	9.38	9.06	9.29	9.15	9.09	8.56	8.64	8.96	
16	8.60	9.08	9.07	9.24	9.30	8.92	10.03	9.15	9.09	8.55	8.65	8.95	
17	8.61	9.08	9.06	9.23	9.24	8.82	9.93	9.15	9.09	8.55	8.66	8.95	
18	8.61	9.08	9.06	9.22	9.22	9.15	9.38	9.14	9.09	8.55	8.66	8.95	
19	8.63	9.07	9.06	9.20	9.19	9.18	9.23	9.13	9.09	8.56	8.67	8.96	
20	8.63	9.07	9.11	9.18	9.18	9.19	9.23	9.13	9.09	8.56	8.68	8.96	
21	8.63	9.07	9.13	9.15	9.17	9.19	9.33	9.13	9.09	8.56	8.75	8.97	
22	8.62	9.07	9.11	9.15	9.16	9.19	9.33	9.13	9.08	8.57	8.82	8.98	
23	8.61	9.06	9.10	9.15	9.14	9.18	9.33	9.13	9.08	8.58	8.83	9.00	
24	8.61	9.06	9.09	9.15	9.15	9.28	9.29	9.13	9.07	8.59	8.83	9.00	
25	8.60	9.05	9.09	9.19	9.21	9.31	9.28	9.12	9.06	8.59	8.83	9.00	
26	8.59	9.05	9.09	9.24	9.20	9.39	9.26	9.11	9.05	8.60	8.84	9.00	
27	8.63	9.05	9.09	9.20	9.22	9.31	9.24	9.11	9.04	8.60	8.84	9.00	
28	8.69	9.06	9.09	9.18	9.23	9.29	9.22	9.11	9.02	8.60	8.84	8.99	
29	8.71	9.07	9.09	9.17	9.30	9.31	9.21	9.11	9.01	8.60		8.99	
30	9.25	9.07	9.11	9.16	9.29	9.28	9.21	9.11	9.00	8.60		8.98	
31		9.06		9.15	9.32		9.35		8.99	8.59		8.97	
Mean	8.64	9.10	9.07	9.17	9.21	9.26	9.33	9.18	9.08	8.66	8.66	8.93	
Max	9.25	9.21	9.13	9.38	9.38	9.58	10.03	9.32	9.11	8.94	8.84	9.00	10.03
Min	8.59	9.05	9.01	9.08	9.13	8.82	9.21	9.11	8.99	8.55	8.56	8.83	8.55
Annual Max Momentary Gage Height	10.31		m. (MSL.) ,			at 12.00 Hours , on Oct 16, 2021							
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.23	5.40	1.60	2.30	3.80	19.50	8.20	12.00	2.00	0.70	0.19	0.44	
2	0.22	3.50	1.50	2.00	3.80	24.20	7.80	8.20	2.00	0.50	0.19	0.44	
3	0.21	2.90	1.40	2.00	3.20	10.50	15.00	7.40	2.00	0.47	0.19	0.45	
4	0.21	2.60	1.40	1.90	2.90	6.20	24.20	6.60	2.30	0.44	0.18	0.45	
5	0.20	2.60	1.30	1.80	3.20	18.00	7.80	6.20	2.30	0.42	0.19	0.44	
6	0.21	4.10	1.20	1.80	4.70	18.00	8.20	5.80	2.30	0.40	0.18	0.43	
7	0.22	3.20	1.20	1.90	6.60	9.00	10.50	8.60	2.30	0.37	0.17	0.43	
8	0.23	2.90	1.10	3.80	6.20	18.00	8.60	10.50	2.00	0.34	0.17	0.49	
9	0.22	3.50	1.50	21.00	5.00	24.20	9.00	6.60	2.00	0.31	0.16	0.50	
10	0.22	3.20	1.60	6.60	4.10	25.80	7.80	5.00	2.00	0.29	0.16	0.55	
11	0.21	2.60	1.60	4.40	3.80	25.10	6.60	4.70	2.00	0.27	0.17	0.65	
12	0.21	2.00	1.60	3.80	4.10	18.80	6.20	4.40	1.90	0.25	0.16	0.70	
13	0.20	2.00	1.60	3.20	3.80	17.30	9.00	3.80	2.00	0.22	0.17	0.80	
14	0.21	1.90	1.70	3.20	6.20	15.20	8.20	3.80	1.90	0.19	0.19	0.80	
15	0.21	1.80	1.70	2.90	21.00	13.00	8.60	3.50	1.90	0.16	0.24	0.80	
16	0.20	1.80	1.70	6.60	9.00	9.50	31.95	3.50	1.90	0.15	0.25	0.75	
17	0.21	1.80	1.60	6.20	6.60	7.40	30.45	3.50	1.90	0.15	0.26	0.75	
18	0.21	1.80	1.60	5.80	5.80	3.50	21.00	3.20	1.90	0.15	0.26	0.75	
19	0.23	1.70	1.60	5.00	4.70	4.40	6.20	2.90	1.90	0.16	0.27	0.80	
20	0.23	1.70	2.30	4.40	4.40	4.70	6.20	2.90	1.90	0.16	0.28	0.80	
21	0.23	1.70	2.90	3.50	4.10	4.70	13.50	2.90	1.90	0.16	0.35	0.85	
22	0.22	1.70	2.30	3.50	3.80	4.70	13.50	2.90	1.80	0.17	0.42	0.90	
23	0.21	1.60	2.00	3.50	3.20	4.40	13.50	2.90	1.80	0.18	0.43	1.00	
24	0.21	1.60	1.90	3.50	3.50	8.20	8.60	2.90	1.70	0.19	0.43	1.00	
25	0.20	1.50	1.90	4.70	5.40	10.50	8.20	2.60	1.60	0.19	0.43	1.00	
26	0.19	1.50	1.90	6.60	5.00	22.50	7.40	2.30	1.50	0.20	0.44	1.00	
27	0.23	1.50	1.90	5.00	5.80	10.50	6.60	2.30	1.40	0.20	0.44	1.00	
28	0.29	1.60	1.90	4.40	6.20	8.60	5.80	2.30	1.20	0.20	0.44	0.95	
29	0.31	1.70	1.90	4.10	9.00	10.50	5.40	2.30	1.10	0.20		0.95	
30	7.00	1.70	2.30	3.80	8.60	8.20	5.40	2.30	1.00	0.20		0.90	
31		1.60		3.50	12.00		16.50		0.95	0.19		0.85	
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Total	13.38	70.70	51.70	136.70	179.50	385.10	345.90	138.80	56.35	8.18	7.41	22.62	1416.34 CMSDAY
Mean	0.45	2.28	1.72	4.41	5.79	12.84	11.16	4.63	1.82	0.26	0.26	0.73	3.88 CMS
Max	7.00	5.40	2.90	21.00	21.00	25.80	31.95	12.00	2.30	0.70	0.44	1.00	31.95 CMS
Min	0.19	1.50	1.10	1.80	2.90	3.50	5.40	2.30	0.95	0.15	0.16	0.43	0.15 CMS
Runoff	1.16	6.11	4.47	11.81	15.51	33.27	29.89	11.99	4.87	0.71	0.64	1.95	122.37 MCM
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Momentary Peak	36.15 CMS. at 10.31 m. (MSL.) at 12.00 Hours , on Oct 16, 2021												
Runoff Yield	19.40	Liters/Second/Square KM.			Momentary Peak Yield			180.75	Liters/Second/Square KM.				

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	376.31	376.50	376.46	376.65	377.54	377.63	377.14	376.90	376.54	376.45	376.42	376.36	
	2	376.31	376.49	376.46	377.29	377.30	377.47	377.03	376.90	376.54	376.45	376.41	376.36	
	3	376.31	376.48	376.45	377.19	377.80	377.40	377.49	376.89	376.53	376.45	376.41	376.35	
	4	376.33	376.48	376.45	376.87	377.42	377.25	377.28	376.81	376.53	376.45	376.41	376.35	
	5	376.32	376.65	376.45	376.76	377.79	377.53	377.11	376.87	376.53	376.44	376.41	376.35	
	6	376.32	376.60	376.45	376.80	377.99	377.30	376.98	376.86	376.52	376.44	376.40	376.35	
	7	376.33	376.65	376.45	376.80	377.97	377.21	377.12	376.82	376.52	376.44	376.40	376.35	
	8	376.33	376.64	376.45	377.70	377.48	377.93	376.96	376.88	376.52	376.44	376.40	376.35	
	9	376.33	376.63	376.48	378.30	377.31	377.49	377.02	376.80	376.51	376.44	376.40	376.34	
	10	376.38	376.50	376.66	377.29	377.27	377.79	376.98	376.78	376.51	376.44	376.40	376.34	
	11	376.40	376.47	376.70	377.13	377.55	377.56	377.00	376.74	376.51	376.44	376.40	376.34	
	12	376.40	376.47	376.70	377.16	377.55	377.37	377.18	376.74	376.50	376.44	376.39	376.34	
	13	376.39	376.47	376.69	377.13	377.32	377.26	377.36	376.73	376.50	376.43	376.39	376.34	
	14	376.40	376.47	376.68	377.07	377.83	377.14	377.44	376.72	376.50	376.43	376.39	376.34	
	15	376.39	376.45	376.90	377.14	378.58	377.08	377.84	376.70	376.50	376.43	376.39	376.34	
	16	376.39	376.45	376.83	377.25	378.05	377.02	377.80	376.65	376.49	376.43	376.39	376.34	
	17	376.38	376.45	376.73	377.71	377.58	376.98	377.53	376.64	376.49	376.43	376.38	376.34	
	18	376.44	376.44	376.64	377.43	377.36	376.88	377.45	376.64	376.49	376.43	376.38	376.33	
	19	376.44	376.42	376.64	377.35	377.40	376.90	377.28	376.64	376.49	376.43	376.38	376.33	
	20	376.43	376.42	376.76	377.19	377.23	376.85	377.11	376.64	376.48	376.43	376.38	376.33	
	21	376.40	376.43	376.67	377.24	377.16	377.25	377.52	376.65	376.48	376.43	376.37	376.33	
	22	376.38	376.42	376.66	377.36	376.98	377.20	377.39	376.65	376.48	376.43	376.37	376.33	
	23	376.39	376.45	376.64	377.36	376.93	377.37	377.12	376.64	376.48	376.43	376.37	376.33	
	24	376.39	376.45	376.84	377.27	377.19	377.07	376.96	376.64	376.47	376.42	376.37	376.33	
	25	376.39	376.45	376.70	378.03	377.58	377.23	377.08	376.64	376.47	376.42	376.37	376.33	
	26	376.39	376.45	376.70	377.68	378.10	377.96	376.96	376.63	376.47	376.42	376.37	376.33	
	27	376.39	376.46	376.68	377.52	377.90	377.53	376.93	376.62	376.47	376.42	376.36	376.32	
	28	376.44	376.46	376.67	377.54	378.76	377.53	376.90	376.60	376.46	376.42	376.36	376.32	
	29	376.45	376.46	376.58	377.52	378.30	377.33	376.91	376.58	376.46	376.42		376.32	
	30	376.45	376.46	376.58	377.28	377.46	377.28	376.88	376.56	376.46	376.42		376.32	
	31		376.46		377.89	377.56		376.96		376.45	376.42		376.32	
Mean		376.38	376.49	376.63	377.32	377.62	377.33	377.18	376.72	376.50	376.43	376.39	376.34	
Max		376.45	376.65	376.90	378.30	378.76	377.96	377.84	376.90	376.54	376.45	376.42	376.36	378.76
Min		376.31	376.42	376.45	376.65	376.93	376.85	376.88	376.56	376.45	376.42	376.36	376.32	376.31
Annual Max Momentary Gage Height			378.99	m. (MSL) , at 12.00 Hours , on Aug 28, 2021										
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										



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.55	1.50	1.30	2.50	24.20	26.90	12.20	5.00	1.70	1.25	1.10	0.80	
2	0.55	1.45	1.30	16.70	17.00	22.10	8.90	5.00	1.70	1.25	1.05	0.80	
3	0.55	1.40	1.25	13.70	34.00	20.00	22.70	4.90	1.65	1.25	1.05	0.75	
4	0.65	1.40	1.25	4.70	20.60	15.50	16.40	4.10	1.65	1.25	1.05	0.75	
5	0.60	2.50	1.25	3.60	33.50	23.90	11.30	4.70	1.65	1.20	1.05	0.75	
6	0.60	2.00	1.25	4.00	43.50	17.00	7.40	4.60	1.60	1.20	1.00	0.75	
7	0.65	2.50	1.25	4.00	42.50	14.30	11.60	4.20	1.60	1.20	1.00	0.75	
8	0.65	2.40	1.25	29.00	22.40	40.50	6.80	4.80	1.60	1.20	1.00	0.75	
9	0.65	2.30	1.40	65.00	17.30	22.70	8.60	4.00	1.55	1.20	1.00	0.70	
10	0.90	1.50	2.60	16.70	16.10	33.50	7.40	3.80	1.55	1.20	1.00	0.70	
11	1.00	1.35	3.00	11.90	24.50	24.80	8.00	3.40	1.55	1.20	1.00	0.70	
12	1.00	1.35	3.00	12.80	24.50	19.10	13.40	3.40	1.50	1.20	0.95	0.70	
13	0.95	1.35	2.90	11.90	17.60	15.80	18.80	3.30	1.50	1.15	0.95	0.70	
14	1.00	1.35	2.80	10.10	35.50	12.20	21.20	3.20	1.50	1.15	0.95	0.70	
15	0.95	1.25	5.00	12.20	84.60	10.40	36.00	3.00	1.50	1.15	0.95	0.70	
16	0.95	1.25	4.30	15.50	47.50	8.60	34.00	2.50	1.45	1.15	0.95	0.70	
17	0.90	1.25	3.30	29.50	25.40	7.40	23.90	2.40	1.45	1.15	0.90	0.70	
18	1.20	1.20	2.40	20.90	18.80	4.80	21.50	2.40	1.45	1.15	0.90	0.65	
19	1.20	1.10	2.40	18.50	20.00	5.00	16.40	2.40	1.45	1.15	0.90	0.65	
20	1.15	1.10	3.60	13.70	14.90	4.50	11.30	2.40	1.40	1.15	0.90	0.65	
21	1.00	1.15	2.70	15.20	12.80	15.50	23.60	2.50	1.40	1.15	0.85	0.65	
22	0.90	1.10	2.60	18.80	7.40	14.00	19.70	2.50	1.40	1.15	0.85	0.65	
23	0.95	1.25	2.40	18.80	5.90	19.10	11.60	2.40	1.40	1.15	0.85	0.65	
24	0.95	1.25	4.40	16.10	13.70	10.10	6.80	2.40	1.35	1.10	0.85	0.65	
25	0.95	1.25	3.00	46.10	25.40	14.90	10.40	2.40	1.35	1.10	0.85	0.65	
26	0.95	1.25	3.00	28.40	51.00	42.00	6.80	2.30	1.35	1.10	0.85	0.65	
27	0.95	1.30	2.80	23.60	39.00	23.90	5.90	2.20	1.35	1.10	0.80	0.60	
28	1.20	1.30	2.70	24.20	100.40	23.90	5.00	2.00	1.30	1.10	0.80	0.60	
29	1.25	1.30	1.90	23.60	65.00	17.90	5.30	1.90	1.30	1.10		0.60	
30	1.25	1.30	1.90	16.40	21.80	16.40	4.80	1.80	1.30	1.10		0.60	
31		1.30		38.50	24.80		6.80		1.25	1.10		0.60	
Total	27.00	45.25	74.20	586.60	951.60	546.70	424.50	95.90	45.75	36.05	26.35	21.25	2881.15 CMSDAY
Mean	0.90	1.46	2.47	18.92	30.70	18.22	13.69	3.20	1.48	1.16	0.94	0.69	7.89 CMS
Max	1.25	2.50	5.00	65.00	100.40	42.00	36.00	5.00	1.70	1.25	1.10	0.80	100.40 CMS
Min	0.55	1.10	1.25	2.50	5.90	4.50	4.80	1.80	1.25	1.10	0.80	0.60	0.55 CMS
Runoff	2.33	3.91	6.41	50.68	82.22	47.23	36.68	8.29	3.95	3.11	2.28	1.84	248.93 MCM
Momentary Peak	124.90 CMS. at 378.99 m. (MSL.) at 12.00 Hours , on Aug 28, 2021												
Runoff Yield	52.28	Liters/Second/Square KM.		Momentary Peak Yield		827.15	Liters/Second/Square KM.						

WATER YEAR : 2021

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.		
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 23 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	29.32	29.88	29.55	29.67	29.89	30.31	29.97	30.01	29.67	29.59	29.50	29.52	
2	29.31	29.81	29.55	29.65	29.84	30.20	29.95	29.95	29.66	29.59	29.50	29.52	
3	29.31	29.80	29.53	29.64	29.80	30.06	30.45	29.91	29.66	29.58	29.51	29.53	
4	29.31	29.77	29.53	29.63	29.78	30.02	30.31	29.89	29.66	29.57	29.50	29.52	
5	29.31	29.77	29.53	29.62	29.78	30.20	30.12	29.86	29.66	29.57	29.51	29.50	
6	29.31	29.79	29.52	29.62	29.95	30.09	30.12	29.89	29.66	29.56	29.51	29.51	
7	29.31	29.76	29.52	29.64	29.95	30.05	30.05	29.94	29.66	29.56	29.49	29.53	
8	29.31	29.74	29.53	29.88	29.88	30.29	30.06	29.89	29.66	29.57	29.49	29.57	
9	29.33	29.81	29.56	30.04	29.84	30.29	30.04	29.86	29.65	29.56	29.48	29.52	
10	29.33	29.75	29.55	29.84	29.80	30.50	29.99	29.84	29.65	29.56	29.52	29.52	
11	29.33	29.72	29.54	29.81	29.80	30.26	29.93	29.82	29.65	29.55	29.52	29.52	
12	29.35	29.71	29.55	29.78	29.80	30.11	29.99	29.80	29.65	29.55	29.52	29.51	
13	29.35	29.70	29.53	29.76	29.79	30.02	30.05	29.79	29.65	29.55	29.51	29.51	
14	29.37	29.69	29.53	29.76	30.08	29.96	30.00	29.79	29.64	29.54	29.51	29.51	
15	29.37	29.66	29.53	29.83	30.09	29.92	30.23	29.77	29.63	29.53	29.51	29.50	
16	29.38	29.65	29.52	29.98	29.98	29.89	30.43	29.77	29.64	29.54	29.47	29.50	
17	29.39	29.65	29.52	29.93	29.91	29.87	30.21	29.76	29.63	29.53	29.47	29.49	
18	29.39	29.65	29.52	29.91	29.87	29.85	30.13	29.75	29.63	29.53	29.48	29.50	
19	29.40	29.65	29.50	29.85	29.84	29.86	30.05	29.75	29.64	29.53	29.48	29.51	
20	29.40	29.63	29.82	29.81	29.83	29.84	29.99	29.74	29.63	29.53	29.51	29.53	
21	29.42	29.62	29.69	29.83	29.84	29.84	29.95	29.74	29.62	29.53	29.53	29.50	
22	29.45	29.61	29.66	29.81	29.81	29.82	29.96	29.73	29.62	29.53	29.54	29.50	
23	29.46	29.61	29.65	29.80	29.79	29.81	29.97	29.72	29.61	29.53	29.53	29.50	
24	29.47	29.61	29.67	29.83	29.79	29.85	29.93	29.71	29.61	29.52	29.54	29.50	
25	29.50	29.61	29.67	30.03	29.80	30.09	29.90	29.71	29.61	29.52	29.53	29.50	
26	29.53	29.60	29.65	29.95	29.88	30.29	29.87	29.70	29.61	29.51	29.53	29.50	
27	29.53	29.59	29.64	29.88	29.91	30.12	29.85	29.70	29.61	29.51	29.53	29.49	
28	29.58	29.60	29.64	29.86	29.95	30.03	29.84	29.70	29.60	29.51	29.52	29.49	
29	30.07	29.59	29.64	29.84	30.07	29.98	29.82	29.69	29.60	29.51		29.49	
30	30.00	29.57	29.66	29.82	30.10	29.96	29.95	29.68	29.59	29.51		29.49	
31		29.56		29.85	30.20		30.08		29.59	29.50		29.50	
Mean	29.43	29.68	29.58	29.81	29.89	30.05	30.04	29.80	29.63	29.54	29.51	29.51	
Max	30.07	29.88	29.82	30.04	30.20	30.50	30.45	30.01	29.67	29.59	29.54	29.57	30.50
Min	29.31	29.56	29.50	29.62	29.78	29.81	29.82	29.68	29.59	29.50	29.47	29.49	29.31
Annual Max Momentary Gage Height	31.07		m. (MSL.) ,				at 17.00 Hours , on Oct 3, 2021						
Zero Gage at Bottom Elevation		28.85	m. (MSL.) ,			River Bed	28.70	m. (MSL.)					
Left Bank Elevation		32.66	m. (MSL.) ,										
Right Bank Elevation		33.15	m. (MSL.) ,			Drainage Are	114	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	2.20	0.30	0.54	2.35	9.30	3.55	4.15	0.54	0.38	0.20	0.24		
2	0.00	1.15	0.30	0.50	1.60	7.00	3.25	3.25	0.52	0.38	0.20	0.24		
3	0.00	1.00	0.26	0.48	1.00	4.90	13.50	2.65	0.52	0.36	0.22	0.26		
4	0.00	0.88	0.26	0.46	0.92	4.30	9.30	2.35	0.52	0.34	0.20	0.24		
5	0.00	0.88	0.26	0.44	0.92	7.00	5.80	1.90	0.52	0.34	0.22	0.20		
6	0.00	0.96	0.24	0.44	3.25	5.35	5.80	2.35	0.52	0.32	0.22	0.22		
7	0.00	0.84	0.24	0.48	3.25	4.75	4.75	3.10	0.52	0.32	0.18	0.26		
8	0.00	0.76	0.26	2.20	2.20	8.80	4.90	2.35	0.52	0.34	0.18	0.34		
9	0.00	1.15	0.32	4.60	1.60	8.80	4.60	1.90	0.50	0.32	0.16	0.24		
10	0.00	0.80	0.30	1.60	1.00	15.00	3.85	1.60	0.50	0.32	0.24	0.24		
11	0.00	0.68	0.28	1.15	1.00	8.20	2.95	1.30	0.50	0.30	0.24	0.24		
12	0.00	0.64	0.30	0.92	1.00	5.65	3.85	1.00	0.50	0.30	0.24	0.22		
13	0.00	0.60	0.26	0.84	0.96	4.30	4.75	0.96	0.50	0.30	0.22	0.22		
14	0.00	0.58	0.26	0.84	5.20	3.40	4.00	0.96	0.48	0.28	0.22	0.22		
15	0.00	0.52	0.26	1.45	5.35	2.80	7.60	0.88	0.46	0.26	0.22	0.20		
16	0.00	0.50	0.24	3.70	3.70	2.35	12.90	0.88	0.48	0.28	0.14	0.20		
17	0.00	0.50	0.24	2.95	2.65	2.05	7.20	0.84	0.46	0.26	0.14	0.18		
18	0.00	0.50	0.24	2.65	2.05	1.75	5.95	0.80	0.46	0.26	0.16	0.20		
19	0.00	0.50	0.20	1.75	1.60	1.90	4.75	0.80	0.48	0.26	0.16	0.22		
20	0.00	0.46	1.30	1.15	1.45	1.60	3.85	0.76	0.46	0.26	0.22	0.26		
21	0.04	0.44	0.58	1.45	1.60	1.60	3.25	0.76	0.44	0.26	0.26	0.20		
22	0.10	0.42	0.52	1.15	1.15	1.30	3.40	0.72	0.44	0.26	0.28	0.20		
23	0.12	0.42	0.50	1.00	0.96	1.15	3.55	0.68	0.42	0.26	0.26	0.20		
24	0.14	0.42	0.54	1.45	0.96	1.75	2.95	0.64	0.42	0.24	0.28	0.20		
25	0.20	0.42	0.54	4.45	1.00	5.35	2.50	0.64	0.42	0.24	0.26	0.20		
26	0.26	0.40	0.50	3.25	2.20	8.80	2.05	0.60	0.42	0.22	0.26	0.20		
27	0.26	0.38	0.48	2.20	2.65	5.80	1.75	0.60	0.42	0.22	0.26	0.18		
28	0.36	0.40	0.48	1.90	3.25	4.45	1.60	0.60	0.40	0.22	0.24	0.18		
29	5.05	0.38	0.48	1.60	5.05	3.70	1.30	0.58	0.40	0.22		0.18		
30	4.00	0.34	0.52	1.30	5.50	3.40	3.25	0.56	0.38	0.22		0.18		
31		0.32		1.75	7.00		5.20		0.38	0.20		0.20		
Total	10.53	20.44	11.46	50.64	74.37	146.50	147.90	41.16	14.50	8.74				

WATER YEAR : 2021**TONLE SAP BASIN****Khlong Phra Phut at Ban Pang Ngon , Chanthaburi (TI.3)**

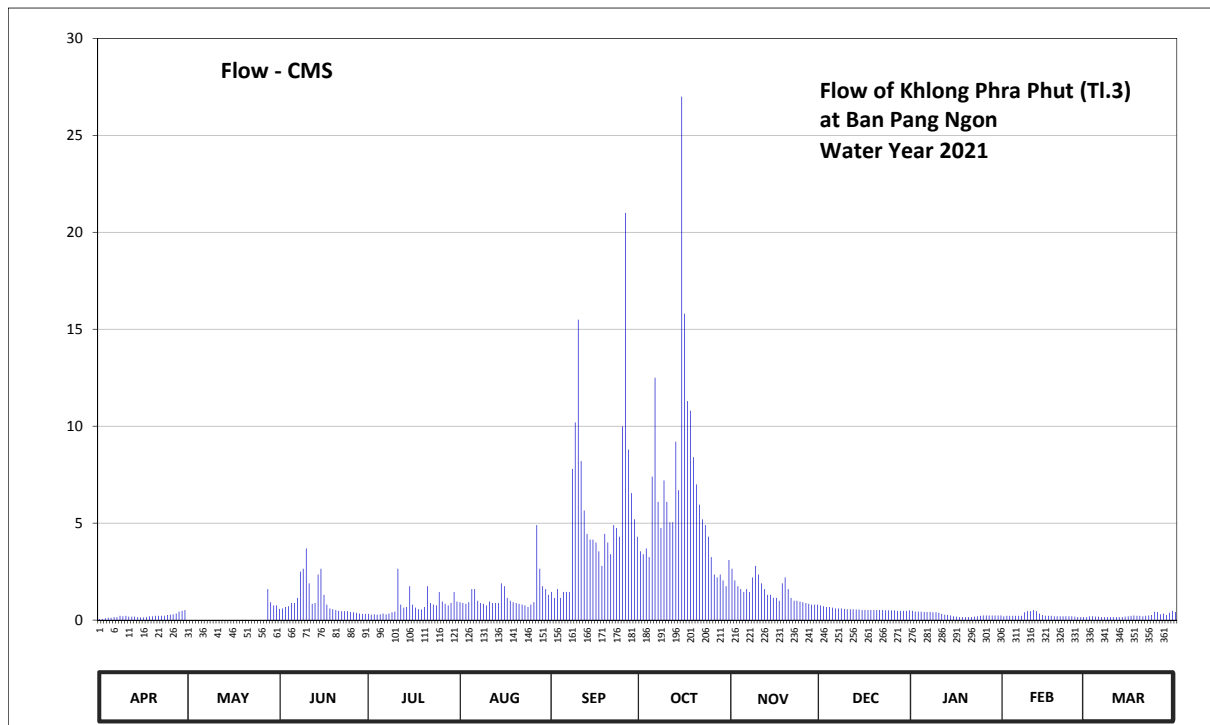
Lat 12 - 58 - 19 N Long 102 - 17 - 07 E

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
Drainage 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 20 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	190.83	190.68	191.09	190.96	191.18	191.23	191.37	191.31	191.14	191.04	190.90	190.88	
	2	190.83	190.68	191.10	190.94	191.17	191.21	191.36	191.27	191.13	191.02	190.91	190.90	
	3	190.85	190.68	191.12	190.95	191.16	191.24	191.38	191.25	191.12	191.02	190.91	190.90	
	4	190.86	190.68	191.13	190.94	191.18	191.21	191.35	191.24	191.12	191.02	190.91	190.89	
	5	190.86	190.68	191.17	190.95	191.24	191.23	191.62	191.23	191.11	191.01	190.91	190.89	
	6	190.88	190.68	191.17	190.97	191.24	191.23	191.85	191.24	191.10	191.01	190.91	190.88	
	7	190.88	190.68	191.21	190.95	191.20	191.23	191.54	191.23	191.10	191.01	190.91	190.88	
	8	190.91	190.68	191.30	190.97	191.17	191.64	191.45	191.28	191.10	191.00	191.00	190.88	
	9	190.90	190.68	191.31	191.00	191.16	191.76	191.61	191.32	191.09	191.00	191.03	190.88	
	10	190.91	190.68	191.38	191.02	191.14	191.95	191.54	191.29	191.08	190.99	191.03	190.88	
	11	190.89	190.68	191.26	191.31	191.19	191.66	191.47	191.26	191.08	190.96	191.06	190.88	
	12	190.89	190.68	191.16	191.15	191.17	191.51	191.47	191.24	191.08	190.94	191.03	190.88	
	13	190.89	190.68	191.17	191.11	191.17	191.43	191.71	191.22	191.07	190.93	190.97	190.88	
	14	190.88	190.68	191.29	191.12	191.17	191.41	191.58	191.22	191.07	190.92	190.93	190.89	
	15	190.87	190.68	191.31	191.25	191.26	191.41	192.25	191.21	191.06	190.90	190.91	190.90	
	16	190.87	190.68	191.22	191.15	191.25	191.40	191.96	191.21	191.06	190.89	190.91	190.91	
	17	190.88	190.68	191.15	191.11	191.21	191.37	191.81	191.20	191.06	190.88	190.91	190.92	
	18	190.90	190.68	191.10	191.08	191.20	191.32	191.79	191.26	191.06	190.88	190.90	190.91	
	19	190.90	190.68	191.08	191.07	191.18	191.43	191.67	191.28	191.06	190.88	190.90	190.91	
	20	190.91	190.68	191.06	191.12	191.17	191.40	191.60	191.24	191.06	190.88	190.90	190.90	
	21	190.91	190.68	191.04	191.25	191.16	191.36	191.53	191.21	191.06	190.88	190.90	190.91	
	22	190.91	190.68	191.03	191.17	191.15	191.46	191.48	191.20	191.06	190.89	190.90	190.92	
	23	190.91	190.68	191.03	191.15	191.14	191.45	191.46	191.20	191.05	190.90	190.90	190.93	
	24	190.93	190.68	191.03	191.14	191.12	191.42	191.42	191.19	191.05	190.91	190.90	191.02	
	25	190.94	190.68	191.01	191.23	191.15	191.75	191.35	191.18	191.05	190.92	190.89	191.01	
	26	190.95	190.68	191.00	191.19	191.18	192.10	191.29	191.17	191.05	190.92	190.88	190.95	
	27	190.97	190.72	190.99	191.16	191.46	191.69	191.28	191.16	191.04	190.92	190.88	190.97	
	28	191.02	191.24	190.97	191.14	191.31	191.57	191.29	191.15	191.04	190.92	190.88	190.93	
	29	191.04	191.18	190.96	191.17	191.25	191.48	191.27	191.15	191.04	190.92		190.99	
	30	191.06	191.14	190.96	191.23	191.24	191.42	191.25	191.15	191.04	190.92		191.04	
	31		191.14		191.19	191.22		191.34		191.05	190.92		191.01	
Mean		190.91	190.75	191.13	191.10	191.20	191.47	191.53	191.23	191.07	190.94	190.93	190.92	
Max		191.06	191.24	191.38	191.31	191.46	192.10	192.25	191.32	191.14	191.04	191.06	191.04	192.25
Min		190.83	190.68	190.96	190.94	191.12	191.21	191.25	191.15	191.04	190.88	190.88	190.88	190.68
Annual Max Momentary Gage Height			193.08	m. (MSL.) ,		at 18.00 Hours , on Sep 8, 2021								
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						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.06	0.00	0.58	0.32	0.92	1.45	3.55	2.65	0.76	0.48	0.20	0.16	
2	0.06	0.00	0.60	0.28	0.88	1.15	3.40	2.05	0.72	0.44	0.22	0.20	
3	0.10	0.00	0.68	0.30	0.84	1.60	3.70	1.75	0.68	0.44	0.22	0.20	
4	0.12	0.00	0.72	0.28	0.92	1.15	3.25	1.60	0.68	0.44	0.22	0.18	
5	0.12	0.00	0.88	0.30	1.60	1.45	7.40	1.45	0.64	0.42	0.22	0.18	
6	0.16	0.00	0.88	0.34	1.60	1.45	12.50	1.60	0.60	0.42	0.22	0.16	
7	0.16	0.00	1.15	0.30	1.00	1.45	6.10	1.45	0.60	0.42	0.22	0.16	
8	0.22	0.00	2.50	0.34	0.88	7.80	4.75	2.20	0.60	0.40	0.40	0.16	
9	0.20	0.00	2.65	0.40	0.84	10.20	7.20	2.80	0.58	0.40	0.46	0.16	
10	0.22	0.00	3.70	0.44	0.76	15.50	6.10	2.35	0.56	0.38	0.46	0.16	
11	0.18	0.00	1.90	2.65	0.96	8.20	5.05	1.90	0.56	0.32	0.52	0.16	
12	0.18	0.00	0.84	0.80	0.88	5.65	5.05	1.60	0.56	0.28	0.46	0.16	
13	0.18	0.00	0.88	0.64	0.88	4.45	9.20	1.30	0.54	0.26	0.34	0.16	
14	0.16	0.00	2.35	0.68	0.88	4.15	6.70	1.30	0.54	0.24	0.26	0.18	
15	0.14	0.00	2.65	1.75	1.90	4.15	27.00	1.15	0.52	0.20	0.22	0.20	
16	0.14	0.00	1.30	0.80	1.75	4.00	15.80	1.15	0.52	0.18	0.22	0.22	
17	0.16	0.00	0.80	0.64	1.15	3.55	11.30	1.00	0.52	0.16	0.22	0.24	
18	0.20	0.00	0.60	0.56	1.00	2.80	10.80	1.90	0.52	0.16	0.20	0.22	
19	0.20	0.00	0.56	0.54	0.92	4.45	8.40	2.20	0.52	0.16	0.20	0.22	
20	0.22	0.00	0.52	0.68	0.88	4.00	7.00	1.60	0.52	0.16	0.20	0.20	
21	0.22	0.00	0.48	1.75	0.84	3.40	5.95	1.15	0.52	0.16	0.20	0.22	
22	0.22	0.00	0.46	0.88	0.80	4.90	5.20	1.00	0.52	0.18	0.20	0.24	
23	0.22	0.00	0.46	0.80	0.76	4.75	4.90	1.00	0.50	0.20	0.20	0.26	
24	0.26	0.00	0.46	0.76	0.68	4.30	4.30	0.96	0.50	0.22	0.20	0.44	
25	0.28	0.00	0.42	1.45	0.80	10.00	3.25	0.92	0.50	0.24	0.18	0.42	
26	0.30	0.00	0.40	0.96	0.92	21.00	2.35	0.88	0.50	0.24	0.16	0.30	
27	0.34	0.00	0.38	0.84	4.90	8.80	2.20	0.84	0.48	0.24	0.16	0.34	
28	0.44	1.60	0.34	0.76	2.65	6.55	2.35	0.80	0.48	0.24	0.16	0.26	
29	0.48	0.92	0.32	0.88	1.75	5.20	2.05	0.80	0.48	0.24		0.38	
30	0.52	0.76	0.32	1.45	1.60	4.30	1.75	0.80	0.48	0.24		0.48	
31		0.76		0.96	1.30		3.10		0.50	0.24		0.42	
Total	6.46	4.04	30.78	24.53	38.44	161.80	201.65	44.15	17.20	8.80	7.14	7.44	552.43 CMSDAY
Mean	0.22	0.13	1.03	0.79	1.24	5.39	6.50	1.47	0.55	0.28	0.26	0.24	1.51 CMS
Max	0.52	1.60	3.70	2.65	4.90	21.00	27.00	2.80	0.76	0.48	0.52	0.48	27.00 CMS
Min	0.06	0.00	0.32	0.28	0.68	1.15	1.75	0.80	0.48	0.16	0.16	0.16	0.00 CMS
Runoff	0.56	0.35	2.66	2.12	3.32	13.98	17.42	3.81	1.49	0.76	0.62	0.64	47.73 MCM
Momentary Peak	77.40 CMS. at 193.08 m. (MSL.) at 18.00 Hours, on Sep 8, 2021												
Runoff Yield	21.62	Liters/Second/Square KM.		Momentary Peak Yield		1105.71	Liters/Second/Square KM.						

WATER YEAR : 2021**TONLE SAP BASIN****Khlong Ta Kong at Ban Khlong Ta Kong , Chanthaburi (T1.4)**

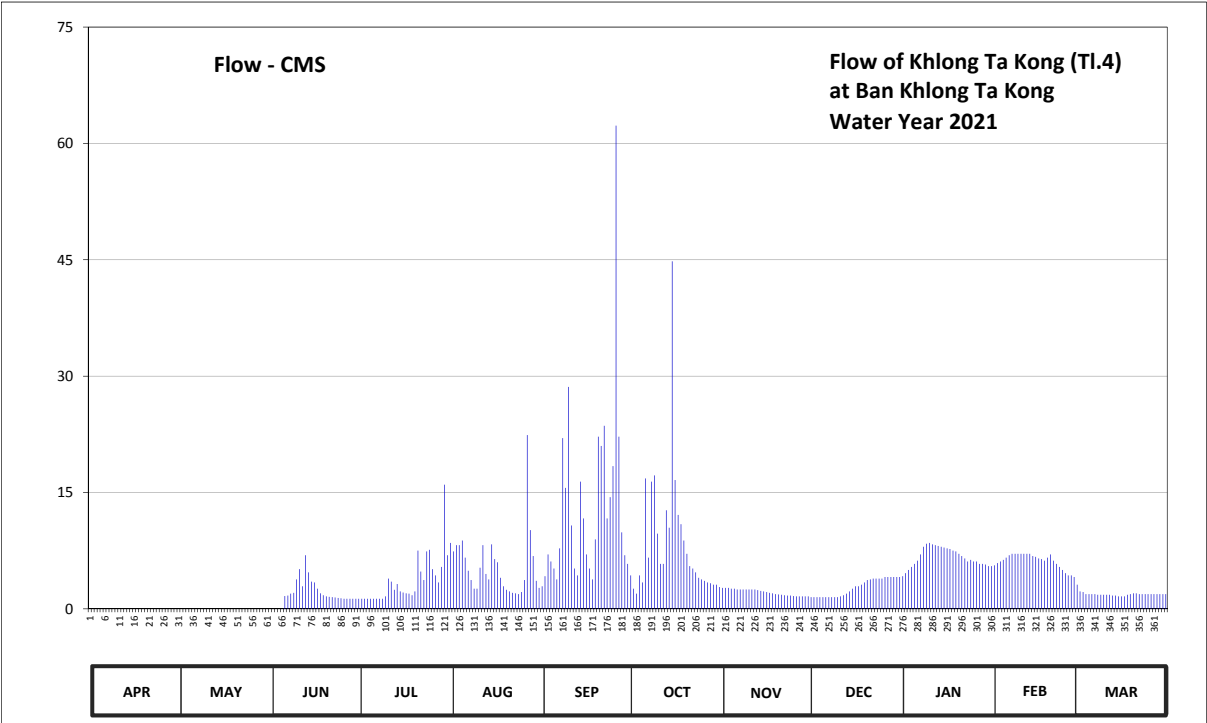
Lat 12 - 55 - 02 N Long 102 - 19 - 29 E

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
Drainage Area	80	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+176.800 m. (MSL.)					
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 30 meters from the top staff gage.				Elevation	+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 14 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	176.80	176.80	176.80	177.16	178.00	177.44	177.58	177.42	177.20	177.57	177.71	177.46	
	2	176.80	176.80	176.80	177.16	177.89	177.57	177.41	177.42	177.20	177.61	177.74	177.35	
	3	176.80	176.80	176.80	177.16	177.97	177.85	177.29	177.42	177.20	177.65	177.76	177.33	
	4	176.80	176.80	176.80	177.16	177.97	177.76	177.58	177.41	177.20	177.69	177.78	177.28	
	5	176.80	176.80	176.80	177.16	178.02	177.67	177.49	177.41	177.20	177.73	177.81	177.28	
	6	176.80	176.80	177.23	177.16	177.81	177.53	178.49	177.40	177.20	177.77	177.84	177.28	
	7	176.80	176.80	177.24	177.16	177.64	177.93	177.81	177.40	177.20	177.85	177.86	177.28	
	8	176.80	176.80	177.29	177.16	177.52	178.75	178.47	177.40	177.20	177.95	177.86	177.26	
	9	176.80	176.80	177.31	177.16	177.41	178.43	178.51	177.40	177.20	177.99	177.86	177.26	
	10	176.80	176.80	177.53	177.22	177.41	179.02	178.08	177.40	177.20	178.00	177.86	177.26	
	11	176.80	176.80	177.66	177.54	177.68	178.15	177.73	177.40	177.22	177.98	177.86	177.26	
	12	176.80	176.80	177.44	177.50	177.97	177.67	177.73	177.40	177.25	177.97	177.86	177.26	
	13	176.80	176.80	177.84	177.39	177.60	177.58	178.28	177.38	177.29	177.96	177.86	177.24	
	14	176.80	176.80	177.62	177.47	177.53	178.47	178.13	177.36	177.35	177.95	177.83	177.24	
	15	176.80	176.80	177.50	177.35	177.98	178.21	179.56	177.35	177.41	177.94	177.82	177.22	
	16	176.80	176.80	177.49	177.32	177.79	177.85	178.48	177.33	177.44	177.93	177.80	177.22	
	17	176.80	176.80	177.41	177.30	177.75	177.67	178.24	177.31	177.44	177.92	177.79	177.22	
	18	176.80	176.80	177.30	177.29	177.55	177.53	178.16	177.30	177.46	177.90	177.77	177.26	
	19	176.80	176.80	177.25	177.25	177.44	178.03	178.02	177.28	177.49	177.89	177.81	177.28	
	20	176.80	176.80	177.22	177.35	177.39	178.76	177.86	177.27	177.52	177.86	177.85	177.30	
	21	176.80	176.80	177.21	177.90	177.35	178.70	177.70	177.26	177.53	177.83	177.77	177.30	
	22	176.80	176.80	177.20	177.63	177.31	178.83	177.67	177.25	177.54	177.80	177.73	177.28	
	23	176.80	176.80	177.19	177.52	177.30	178.21	177.62	177.24	177.54	177.76	177.69	177.28	
	24	176.80	176.80	177.18	177.89	177.28	178.37	177.55	177.24	177.54	177.78	177.65	177.28	
	25	176.80	176.80	177.17	177.91	177.33	178.57	177.53	177.23	177.54	177.76	177.61	177.28	
	26	176.80	176.80	177.16	177.66	177.52	180.08	177.51	177.22	177.56	177.76	177.58	177.28	
	27	176.80	176.80	177.16	177.58	178.77	178.76	177.49	177.22	177.56	177.73	177.58	177.28	
	28	176.80	176.80	177.16	177.49	178.11	178.09	177.48	177.22	177.56	177.73	177.56	177.28	
	29	176.80	176.80	177.16	177.69	177.83	177.84	177.46	177.22	177.56	177.72		177.28	
	30	176.80	176.80	177.16	178.45	177.51	177.73	177.46	177.22	177.56	177.70		177.28	
	31		176.80		177.84	177.42		177.43		177.56	177.70		177.28	
Mean		176.80	176.80	177.24	177.45	177.68	178.17	177.86	177.33	177.38	177.82	177.77	177.28	
Max		176.80	176.80	177.84	178.45	178.77	180.08	179.56	177.42	177.56	178.00	177.86	177.46	180.08
Min		176.80	176.80	176.80	177.16	177.28	177.44	177.29	177.22	177.20	177.57	177.56	177.22	176.80
Annual Max Momentary Gage Height		180.42		m. (MSL.) ,		at 12.00 Hours , on Oct 15, 2021								
Zero Gage at Bottom Elevation		176.80		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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.00	1.30	8.50	2.90	4.30	2.70	1.50	4.20	5.60	3.10		
2	0.00	0.00	0.00	1.30	7.40	4.20	2.60	2.70	1.50	4.60	5.90	2.25		
3	0.00	0.00	0.00	1.30	8.20	7.00	1.95	2.70	1.50	5.00	6.10	2.15		
4	0.00	0.00	0.00	1.30	8.20	6.10	4.30	2.60	1.50	5.40	6.30	1.90		
5	0.00	0.00	0.00	1.30	8.80	5.20	3.40	2.60	1.50	5.80	6.60	1.90		
6	0.00	0.00	1.65	1.30	6.60	3.80	16.80	2.50	1.50	6.20	6.90	1.90		
7	0.00	0.00	1.70	1.30	4.90	7.80	6.60	2.50	1.50	7.00	7.10	1.90		
8	0.00	0.00	1.95	1.30	3.70	22.00	16.40	2.50	1.50	8.00	7.10	1.80		
9	0.00	0.00	2.05	1.30	2.60	15.60	17.20	2.50	1.50	8.40	7.10	1.80		
10	0.00	0.00	3.80	1.60	2.60	28.60	9.70	2.50	1.50	8.50	7.10	1.80		
11	0.00	0.00	5.10	3.90	5.30	10.75	5.80	2.50	1.60	8.30	7.10	1.80		
12	0.00	0.00	2.90	3.50	8.20	5.20	5.80	2.50	1.75	8.20	7.10	1.80		
13	0.00	0.00	6.90	2.45	4.50	4.30	12.70	2.40	1.95	8.10	7.10	1.70		
14	0.00	0.00	4.70	3.20	3.80	16.40	10.45	2.30	2.25	8.00	6.80	1.70		
15	0.00	0.00	3.50	2.25	8.30	11.65	44.80	2.25	2.60	7.90	6.70	1.60		
16	0.00	0.00	3.40	2.10	6.40	7.00	16.60	2.15	2.90	7.80	6.50	1.60		
17	0.00	0.00	2.60	2.00	6.00	5.20	12.10	2.05	2.90	7.70	6.40	1.60		
18	0.00	0.00	2.00	1.95	4.00	3.80	10.90	2.00	3.10	7.50	6.20	1.80		
19	0.00	0.00	1.75	1.75	2.90	8.95	8.80	1.90	3.40	7.40	6.60	1.90		
20	0.00	0.00	1.60	2.25	2.45	22.20	7.10	1.85	3.70	7.10	7.00	2.00		
21	0.00	0.00	1.55	7.50	2.25	21.00	5.50	1.80	3.80	6.80	6.20	2.00		
22	0.00	0.00	1.50	4.80	2.05	23.60	5.20	1.75	3.90	6.50	5.80	1.90		
23	0.00	0.00	1.45	3.70	2.00	11.65	4.70	1.70	3.90	6.10	5.40	1.90		
24	0.00	0.00	1.40	7.40	1.90	14.40	4.00	1.70	3.90	6.30	5.00	1.90		
25	0.00	0.00	1.35	7.60	2.15	18.40	3.80	1.65	3.90	6.10	4.60	1.90		
26	0.00	0.00	1.30	5.10	3.70	62.30	3.60	1.60	4.10	6.10	4.30	1.90		
27	0.00	0.00	1.30	4.30	22.40	22.20	3.40	1.60	4.10	5.80	4.30	1.90		
28	0.00	0.00	1.30	3.40	10.15	9.85	3.30	1.60	4.10	5.80	4.10	1.90		
29	0.00	0.00	1.30	5.40	6.80	6.90	3.10	1.60	4.10	5.70		1.90		
30	0.00	0.00	1.30	16.00	3.60	5.80	3.10	1.60	4.10	5.50		1.90		
31		0.00		6.90	2.70		2.80		4.10	5.50		1.90		
Total	0.00	0.00	59.35	110.75	173.05	394.75	260.80	64.30	85.15	207.30	173.00	59.00	1587.45	CMSDAY
Mean	0.00	0.00	1.98	3.57	5.58	13.16	8.41	2.14	2.75	6.69	6.18	1.90	4.35	CMS
Max	0.00	0.00	6.90	16.00	22.40	62.30	44.80	2.70	4.10	8.50	7.10	3.10	62.30	CMS
Min	0.00	0.00	0.00	1.30	1.90	2.90	1.95	1.60	1.50	4.20	4.10	1.60	0.00	CMS
Runoff	0.00	0.00	5.13	9.57	14.95	34.11	22.53	5.56	7.36	17.91	14.95	5.10	137.16	MCM
Momentary Peak	75.30	CMS. at 180.42 m. (MSL.) at 12.00 Hours , on Oct 15, 2021												
Runoff Yield	54.36	Liters/Second/Square KM.				Momentary Peak Yield 941.25				Liters/Second/Square KM.				

WATER YEAR : 2021**EAST COAST - GULF BASIN****Khlong Yai at Ban Si Bua Thong , Trat (Z.10)**

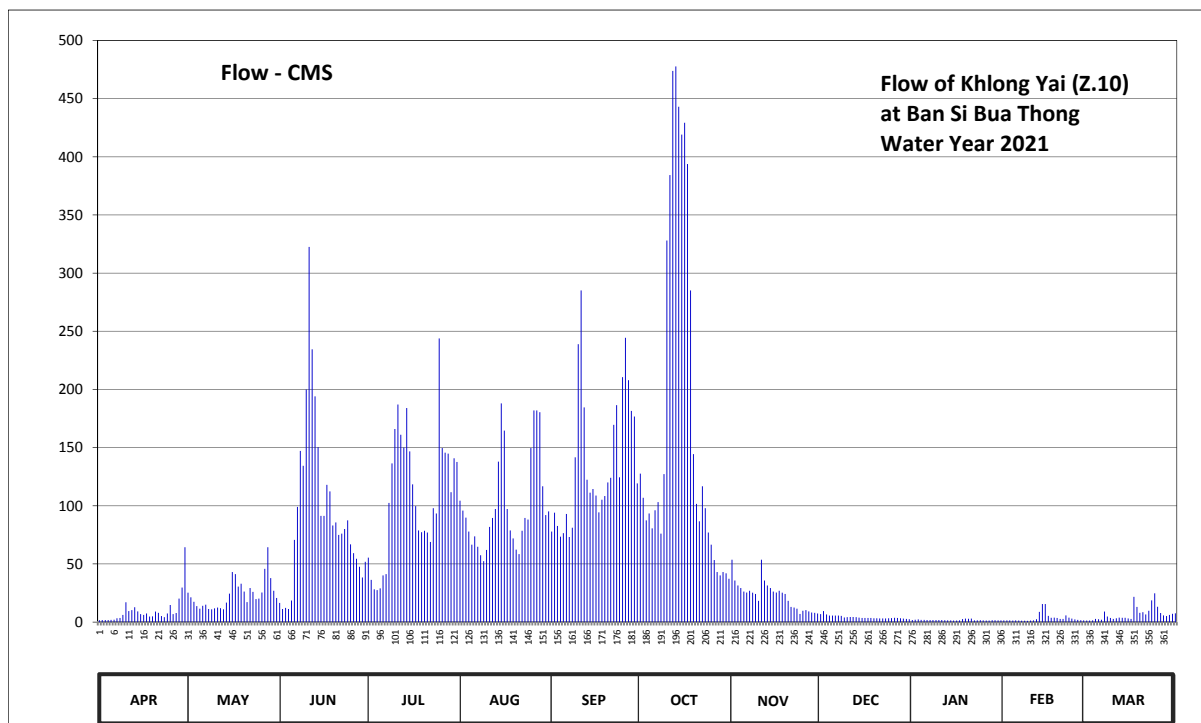
Lat 12 - 28 - 35 N Long 102 - 28 - 40 E

Location : on left bank at Ban Si Bua Thong

	Ban	Si Bua Thong	Amphoe	Khao Saming	Changwat	Trat
Drainage 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	Overbank flow starts at elevation + 13.870 m.(MSL.), records are channel flow only.					
General Description	Records very good. Stage-discharge relation defined by 72 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.34	4.49	4.14	5.58	7.11	6.33	7.69	5.52	3.74	3.36	3.30	3.28	
2	3.35	4.33	3.93	4.93	6.88	6.83	7.17	4.91	3.86	3.41	3.29	3.28	
3	3.35	4.18	3.97	4.61	6.71	6.49	6.64	4.74	3.73	3.43	3.29	3.31	
4	3.36	4.03	3.93	4.58	6.33	6.18	6.81	4.65	3.68	3.39	3.28	3.48	
5	3.38	3.94	4.22	4.64	5.95	6.28	6.42	4.53	3.68	3.38	3.29	3.44	
6	3.41	4.04	6.09	5.07	6.19	6.80	6.89	4.50	3.68	3.36	3.27	3.40	
7	3.53	4.08	6.97	5.11	5.89	6.17	7.08	4.56	3.68	3.36	3.25	3.84	
8	3.55	3.93	8.18	7.06	5.65	6.44	6.27	4.49	3.67	3.36	3.24	3.64	
9	3.71	3.92	7.86	7.91	5.48	8.04	7.68	4.45	3.60	3.36	3.23	3.55	
10	4.16	3.95	9.32	8.61	5.80	10.09	11.71	4.21	3.61	3.35	3.26	3.47	
11	3.86	3.98	11.61	9.06	6.46	10.93	12.67	5.52	3.62	3.35	3.31	3.53	
12	3.89	3.96	10.01	8.50	6.70	9.01	14.15	4.91	3.62	3.32	3.44	3.58	
13	3.99	3.92	9.20	8.25	6.92	7.56	14.21	4.74	3.61	3.30	3.83	3.57	
14	3.85	4.15	8.26	9.00	7.95	7.28	13.65	4.65	3.59	3.29	4.10	3.57	
15	3.74	4.46	6.75	8.17	9.08	7.36	13.25	4.53	3.56	3.28	4.10	3.52	
16	3.71	5.17	6.75	7.46	8.58	7.22	13.42	4.50	3.56	3.28	3.67	3.47	
17	3.77	5.11	7.45	6.99	6.92	6.84	12.83	4.56	3.56	3.29	3.57	4.35	
18	3.64	4.70	7.31	6.36	6.36	7.13	10.93	4.49	3.55	3.46	3.58	4.00	
19	3.65	4.80	6.50	6.31	6.13	7.21	8.11	4.45	3.53	3.50	3.56	3.80	
20	3.84	4.53	6.59	6.35	5.81	7.50	7.04	4.21	3.53	3.49	3.48	3.82	
21	3.80	4.17	6.23	6.30	5.68	7.60	6.62	4.00	3.51	3.50	3.47	3.73	
22	3.66	4.65	6.27	6.03	6.35	8.69	7.42	3.98	3.51	3.29	3.69	3.87	
23	3.61	4.52	6.40	6.94	6.70	9.05	6.94	3.94	3.51	3.31	3.59	4.23	
24	3.77	4.27	6.64	6.81	6.66	7.61	6.30	3.75	3.53	3.33	3.50	4.47	
25	4.07	4.29	5.96	10.18	8.24	9.53	5.95	3.87	3.54	3.30	3.43	4.01	
26	3.74	4.50	5.71	8.24	8.96	10.19	5.51	3.89	3.57	3.28	3.39	3.79	
27	3.79	5.26	5.55	8.14	8.96	9.48	5.17	3.85	3.55	3.28	3.34	3.69	
28	4.29	5.88	5.32	8.12	8.93	8.95	5.07	3.81	3.53	3.34	3.31	3.66	
29	4.67	4.99	5.01	7.29	7.42	8.85	5.17	3.80	3.50	3.33		3.71	
30	5.88	4.56	5.46	8.02	6.77	7.48	5.13	3.77	3.48	3.29		3.76	
31		4.31		7.94	6.86		4.97		3.45	3.30		3.78	
Mean	3.81	4.42	6.59	7.05	6.92	7.84	8.35	4.39	3.59	3.35	3.47	3.70	
Max	5.88	5.88	11.61	10.18	9.08	10.93	14.21	5.52	3.86	3.50	4.10	4.47	14.21
Min	3.34	3.92	3.93	4.58	5.48	6.17	4.97	3.75	3.45	3.28	3.23	3.28	3.23
Annual Max Momentary Gage Height	14.50		m. (MSL.) ,			at 21.00 Hours, on Oct 12, 2021							
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		13.86	m. (MSL.) ,			Drainage Are	778	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.70	25.25	16.50	55.40	104.40	77.90	127.60	53.60	6.80	1.80	1.50	1.40		
2	1.75	21.25	11.25	36.25	95.80	94.05	106.80	35.75	9.50	2.10	1.45	1.40		
3	1.75	17.50	12.25	28.25	89.85	82.70	87.40	31.50	6.60	2.30	1.45	1.55		
4	1.80	13.75	11.25	27.50	77.90	73.40	93.35	29.25	5.60	1.95	1.40	2.80		
5	1.90	11.50	18.50	29.00	66.50	76.40	80.60	26.25	5.60	1.90	1.45	2.40		
6	2.10	14.00	70.70	40.10	73.70	93.00	96.15	25.50	5.60	1.80	1.35	2.00		
7	3.30	15.00	98.95	41.30	64.70	73.10	103.20	27.00	5.60	1.80	1.25	9.00		
8	3.50	11.25	147.20	102.40	57.50	81.20	76.10	25.25	5.40	1.80	1.20	4.80		
9	6.20	11.00	134.40	136.40	52.40	141.60	127.20	24.25	4.00	1.80	1.15	3.50		
10	17.00	11.75	200.00	165.95	62.00	238.95	328.05	18.25	4.20	1.75	1.30	2.70		
11	9.50	12.50	322.55	187.00	81.80	285.15	384.20	53.60	4.40	1.75	1.55	3.30		
12	10.25	12.00	234.55	161.00	89.50	184.50	473.75	35.75	4.40	1.60	2.40	3.80		
13	12.75	11.00	194.00	150.00	97.20	122.40	477.65	31.50	4.20	1.50	8.75	3.70		
14	9.25	16.75	150.40	184.00	138.00	111.20	443.00	29.25	3.90	1.45	15.50	3.70		
15	6.80	24.50	91.25	146.80	188.00	114.40	419.00	26.25	3.60	1.40	15.50	3.20		
16	6.20	43.10	91.25	118.40	164.60	108.80	429.20	25.50	3.60	1.40	5.40	2.70		
17	7.40	41.30	118.00	99.65	97.20	94.40	393.80	27.00	3.60	1.45	3.70	21.75		
18	4.80	30.50	112.40	78.80	78.80	105.20	285.15	25.25	3.50	2.60	3.80	13.00		
19	5.00	33.00	83.00	77.30	71.90	108.40	144.40	24.25	3.30	3.00	3.60	8.00		
20	9.00	26.25	85.70	78.50	62.30	120.00	101.60	18.25	3.30	2.90	2.80	8.50		
21	8.00	17.25	74.90	77.00	58.40	124.00	86.70	13.00	3.10	3.00	2.70	6.60		
22	5.20	29.25	76.10	68.90	78.50	169.55	116.80	12.50	3.10	1.45	5.80	9.75		
23	4.20	26.00	80.00	97.90	89.50	186.50	97.90	11.50	3.10	1.55	3.90	18.75		
24	7.40	19.75	87.40	93.35	88.10	124.40	77.00	7.00	3.30	1.65	3.00	24.75		
25	14.75	20.25	66.80	243.90	149.60	210.50	66.50	9.75	3.40	1.50	2.30	13.25		
26	6.80	25.50	59.30	149.60	182.00	244.45	53.30	10.25	3.70	1.40	1.95	7.80		
27	7.80	45.80	54.50	145.60	182.00	208.00	43.10	9.25	3.50	1.40	1.70	5.80		
28	20.25	64.40	47.60	144.80	180.50	181.50	40.10	8.25	3.30	1.70	1.55	5.20		
29	29.75	37.75	38.30	111.60	116.80	176.75	43.10	8.00	3.00	1.65		6.20		
30	64.40	27.00	51.80	140.80	91.95	119.20	41.90	7.40	2.80	1.45		7.20		
31		20.75		137.60	95.10		37.25		2.50	1.50		7.60		
Total	290.50	736.85	2840.80	3355.05	3126.50	4131.60	5481.85	690.10	131.50	56.30	99.40	216.10	21156.55	CMSDAY
Mean	9.68	23.77	94.69	108.23	100.85	137.72	176.83	23.00	4.24	1.82	3.55	6.97	57.96	CMS
Max	64.40	64.40	322.55	243.90	188.00	285.15	477.65	53.60	9.50	3.00	15.50	24.75	477.65	CMS
Min	1.70	11.00	11.25	27.50	52.40	73.10	37.25	7.00	2.50	1.40	1.15	1.40	1.15	CMS
Runoff	25.10	63.66	245.45	289.88	270.13	356.97	473.63	59.62	11.36	4.86	8.59	18.67	1827.93	MCM
Momentary Peak	496.50 CMS, at 14.50 m. (MSL.), at 21.00 Hours, on Oct 12, 2021													
Runoff Yield	74.50 Liters/Second/Square KM.				Momentary Peak Yield 638.17 Liters/Second/Square KM.									

WATER YEAR : 2021**EAST COAST - GULF BASIN****Chanthaburi River at Ban Puk , Chanthaburi (Z.13)**

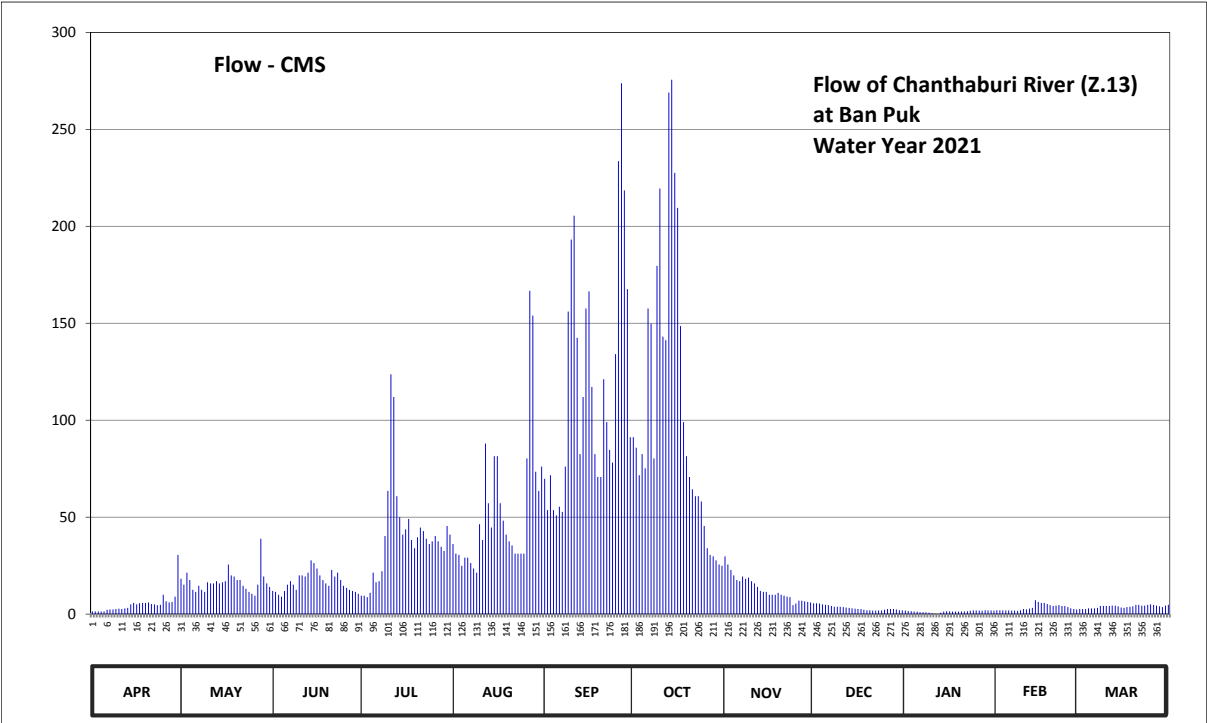
Lat 12 - 45 - 48 N Long 102 - 08 - 17 E

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 32 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.44	8.97	8.86	8.81	9.23	9.62	9.83	9.14	8.68	8.48	8.50	8.53	
2	8.44	8.92	8.85	8.81	9.16	9.44	9.78	9.08	8.68	8.46	8.50	8.53	
3	8.44	9.02	8.82	8.79	9.15	9.64	9.64	9.04	8.67	8.45	8.49	8.53	
4	8.43	8.96	8.80	8.84	9.07	9.44	9.75	9.00	8.65	8.43	8.49	8.55	
5	8.44	8.87	8.86	9.02	9.13	9.41	9.68	8.96	8.64	8.43	8.49	8.55	
6	8.51	8.85	8.92	8.94	9.13	9.46	10.79	8.95	8.63	8.41	8.48	8.55	
7	8.52	8.91	8.95	8.95	9.09	9.43	10.59	8.99	8.61	8.39	8.48	8.56	
8	8.52	8.87	8.92	9.03	9.05	9.69	9.73	8.97	8.59	8.38	8.47	8.61	
9	8.53	8.85	8.87	9.29	9.02	10.75	11.34	8.98	8.59	8.35	8.50	8.61	
10	8.54	8.94	9.00	9.55	9.36	11.68	12.21	8.95	8.59	8.29	8.53	8.61	
11	8.53	8.93	9.00	10.09	9.26	11.93	10.37	8.93	8.58	8.24	8.52	8.61	
12	8.55	8.93	8.99	10.00	9.80	10.35	10.31	8.90	8.57	8.20	8.54	8.62	
13	8.56	8.95	9.02	9.52	9.48	9.75	13.05	8.86	8.56	8.34	8.56	8.62	
14	8.65	8.93	9.11	9.40	9.34	10.00	13.16	8.85	8.55	8.43	8.74	8.60	
15	8.69	8.94	9.09	9.30	9.74	10.79	12.36	8.85	8.54	8.45	8.71	8.57	
16	8.65	8.95	9.05	9.33	9.74	11.01	12.01	8.82	8.53	8.44	8.69	8.56	
17	8.68	9.08	9.00	9.39	9.48	10.04	10.55	8.82	8.53	8.43	8.69	8.58	
18	8.69	9.00	8.96	9.26	9.38	9.75	9.90	8.82	8.51	8.43	8.66	8.59	
19	8.69	8.99	8.93	9.20	9.30	9.63	9.74	8.84	8.50	8.43	8.63	8.60	
20	8.70	8.96	8.91	9.28	9.25	9.63	9.63	8.82	8.50	8.43	8.61	8.64	
21	8.66	8.96	9.04	9.34	9.22	10.07	9.56	8.81	8.48	8.44	8.62	8.64	
22	8.65	8.91	8.99	9.32	9.16	9.90	9.52	8.80	8.48	8.45	8.63	8.62	
23	8.63	8.88	9.02	9.27	9.16	9.77	9.52	8.79	8.49	8.47	8.61	8.62	
24	8.64	8.85	8.96	9.23	9.16	9.71	9.49	8.63	8.49	8.49	8.61	8.64	
25	8.82	8.83	8.91	9.25	9.16	10.17	9.35	8.67	8.51	8.49	8.58	8.65	
26	8.72	8.81	8.89	9.29	9.73	12.46	9.20	8.73	8.53	8.48	8.55	8.64	
27	8.70	8.92	8.87	9.25	11.02	13.13	9.15	8.73	8.53	8.47	8.53	8.62	
28	8.71	9.27	8.86	9.21	10.70	12.19	9.14	8.72	8.53	8.50	8.52	8.60	
29	8.80	8.99	8.85	9.18	9.66	11.04	9.11	8.71	8.52	8.49		8.58	
30	9.15	8.93	8.83	9.35	9.55	9.83	9.08	8.70	8.50	8.49		8.62	
31		8.90		9.30	9.69		9.07		8.49	8.48		8.64	
Mean	8.62	8.94	8.94	9.25	9.43	10.32	10.21	8.86	8.56	8.42	8.57	8.60	
Max	9.15	9.27	9.11	10.09	11.02	13.13	13.16	9.14	8.68	8.50	8.74	8.65	13.16
Min	8.43	8.81	8.80	8.79	9.02	9.41	9.07	8.63	8.48	8.20	8.47	8.53	8.20
Annual Max Momentary Gage Height	13.30		m. (MSL.) ,			at 11.00 Hours, on Oct 13, 2021							
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, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	1.40	18.20	12.00	9.50	36.10	69.80	91.30	29.80	5.60	1.80	2.00	2.60		
	2	1.40	15.20	11.50	9.50	31.20	53.60	85.80	25.60	5.60	1.60	2.00	2.60		
	3	1.40	21.40	10.00	8.70	30.50	71.60	71.60	22.80	5.40	1.50	1.90	2.60		
	4	1.30	17.60	9.00	11.00	24.90	53.60	82.50	20.00	5.00	1.30	1.90	3.00		
	5	1.40	12.50	12.00	21.40	29.10	50.90	75.20	17.60	4.80	1.30	1.90	3.00		
	6	2.20	11.50	15.20	16.40	29.10	55.40	157.60	17.00	4.60	1.10	1.80	3.00		
	7	2.40	14.60	17.00	17.00	26.30	52.70	149.70	19.40	4.20	0.95	1.80	3.20		
	8	2.40	12.50	15.20	22.10	23.50	76.10	80.30	18.20	3.80	0.90	1.70	4.20		
	9	2.60	11.50	12.50	40.30	21.40	156.00	179.60	18.80	3.80	0.75	2.00	4.20		
	10	2.80	16.40	20.00	63.50	46.40	193.20	219.50	17.00	3.80	0.45	2.60	4.20		
	11	2.60	15.80	20.00	123.70	38.20	205.50	143.10	15.80	3.60	0.20	2.40	4.20		
	12	3.00	15.80	19.40	112.00	88.00	142.50	141.30	14.00	3.40	0.00	2.80	4.40		
	13	3.20	17.00	21.40	60.80	57.20	82.50	269.00	12.00	3.20	0.70	3.20	4.40		
	14	5.00	15.80	27.70	50.00	44.60	112.00	275.60	11.50	3.00	1.30	7.20	4.00		
	15	5.80	16.40	26.30	41.00	81.40	157.60	227.60	11.50	2.80	1.50	6.30	3.40		
	16	5.00	17.00	23.50	43.70	81.40	166.40	209.50	10.00	2.60	1.40	5.80	3.20		
	17	5.60	25.60	20.00	49.10	57.20	117.20	148.50	10.00	2.60	1.30	5.80	3.60		
	18	5.80	20.00	17.60	38.20	48.20	82.50	99.00	10.00	2.20	1.30	5.20	3.80		
	19	5.80	19.40	15.80	34.00	41.00	70.70	81.40	11.00	2.00	1.30	4.60	4.00		
	20	6.00	17.60	14.60	39.60	37.50	70.70	70.70	10.00	2.00	1.30	4.20	4.80		
	21	5.20	17.60	22.80	44.60	35.40	121.10	64.40	9.50	1.80	1.40	4.40	4.80		
	22	5.00	14.60	19.40	42.80	31.20	99.00	60.80	9.00	1.80	1.50	4.60	4.40		
	23	4.60	13.00	21.40	38.90	31.20	84.70	60.80	8.70	1.90	1.70	4.20	4.40		
	24	4.80	11.50	17.60	36.10	31.20	78.10	58.10	4.60	1.90	1.90	4.20	4.80		
	25	10.00	10.50	14.60	37.50	31.20	134.10	45.50	5.40	2.20	1.90	3.60	5.00		
	26	6.60	9.50	13.50	40.30	80.30	233.60	34.00	6.90	2.60	1.80	3.00	4.80		
	27	6.00	15.20	12.50	37.50	166.80	273.80	30.50	6.90	2.60	1.70	2.60	4.40		
	28	6.30	38.90	12.00	34.70	154.00	218.50	29.80	6.60	2.60	2.00	2.40	4.00		
	29	9.00	19.40	11.50	32.60	73.40	167.60	27.70	6.30	2.40	1.90		3.60		
	30	30.50	15.80	10.50	45.50	63.50	91.30	25.60	6.00	2.00	1.90		4.40		
	31		14.00		41.00	76.10		24.90		1.90	1.80		4.80		
Total		155.10	511.80	496.50	1243.00	1647.50	3542.30	3320.90	391.90	97.70	41.45	96.10	121.80	11666.05	CMSDAY
Mean		5.17	16.51	16.55	40.10	53.15	118.08	107.13	13.06	3.15	1.34	3.43	3.93	31.96	CMS
Max		30.50	38.90	27.70	123.70	166.80	273.80	275.60	29.80	5.60	2.00	7.20	5.00	275.60	CMS
Min		1.30	9.50	9.00	8.70	21.40	50.90	24.90	4.60	1.80	0.00	1.70	2.60	0.00	CMS
Runoff		13.40	44.22	42.90	107.40	142.34	306.05	286.93	33.86	8.44	3.58	8.30	10.52	1007.95	MCM
Momentary Peak		285.00 CMS, at 13.30 m. (MSL.), at 11.00 Hours, on Oct 13, 2021													
Runoff Yield		49.32	Liters/Second/Square KM.				Momentary Peak Yield		439.81	Liters/Second/Square KM.					

WATER YEAR : 2021

EAST COAST - GULF BASIN

Khlung Phayat at Ban Chaman , Chanthaburi (Z.14)

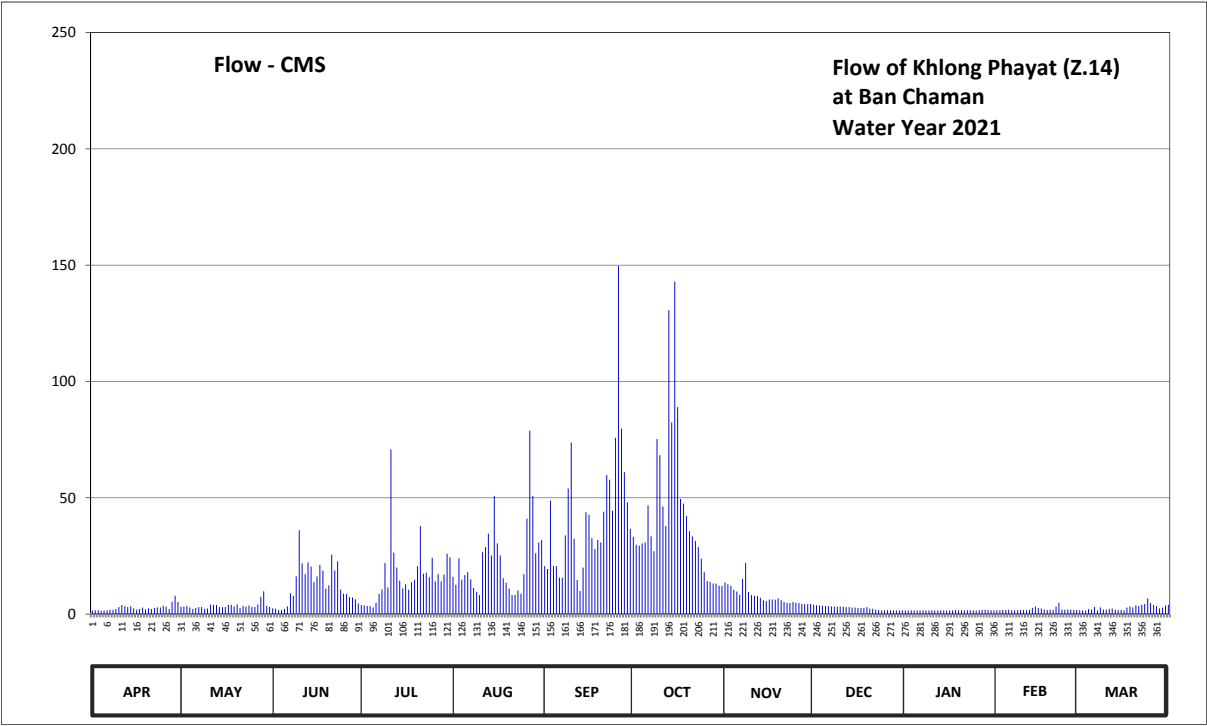
Lat 12 - 44 - 40 N Long 102 - 12 - 23 E

Location : on left bank at the bridge of Khlung 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 + 11.030 m.(MSL.), records are channel flow only.		
General Description	Records very good. Stage-discharge relation defined by 38 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.41	6.61	6.55	6.69	7.50	7.73	8.36	7.34	6.70	6.42	6.43	6.44	
2	6.43	6.62	6.53	6.67	7.27	7.67	8.19	7.29	6.68	6.42	6.43	6.41	
3	6.43	6.65	6.46	6.65	7.90	9.11	8.17	7.24	6.67	6.43	6.46	6.40	
4	6.39	6.59	6.46	6.64	7.42	7.73	8.22	7.13	6.66	6.42	6.46	6.51	
5	6.41	6.52	6.52	6.59	7.54	7.73	8.24	7.08	6.65	6.42	6.47	6.49	
6	6.43	6.57	6.63	6.76	7.60	7.48	9.03	6.99	6.64	6.42	6.43	6.61	
7	6.47	6.60	7.03	7.01	7.43	7.48	8.37	7.44	6.63	6.43	6.43	6.41	
8	6.46	6.60	6.95	7.14	7.18	8.39	8.05	7.80	6.63	6.42	6.43	6.59	
9	6.52	6.53	7.51	7.80	7.07	9.32	10.14	7.07	6.62	6.42	6.43	6.50	
10	6.60	6.54	8.50	7.20	6.98	10.09	9.89	6.98	6.62	6.43	6.46	6.48	
11	6.69	6.71	7.79	9.99	8.03	8.32	9.01	6.96	6.62	6.42	6.43	6.52	
12	6.65	6.70	7.56	8.02	8.14	7.41	8.59	6.95	6.60	6.42	6.47	6.54	
13	6.60	6.69	7.81	7.70	8.43	7.10	11.74	6.90	6.60	6.42	6.57	6.48	
14	6.64	6.60	7.72	7.39	7.96	7.70	10.38	6.83	6.58	6.42	6.62	6.46	
15	6.55	6.60	7.35	7.17	9.19	8.89	12.02	6.81	6.58	6.40	6.56	6.45	
16	6.48	6.60	7.51	7.29	8.22	8.83	10.60	6.85	6.57	6.42	6.54	6.42	
17	6.52	6.70	7.76	7.13	7.96	8.33	9.14	6.85	6.56	6.42	6.50	6.58	
18	6.58	6.70	7.64	7.35	7.46	8.10	9.06	6.85	6.57	6.45	6.45	6.62	
19	6.50	6.63	7.16	7.42	7.33	8.29	8.81	6.88	6.60	6.43	6.49	6.59	
20	6.55	6.71	7.26	7.73	7.16	8.24	8.48	6.83	6.53	6.43	6.46	6.68	
21	6.52	6.56	7.98	8.59	6.98	8.90	8.37	6.78	6.53	6.43	6.63	6.65	
22	6.56	6.65	7.64	7.57	6.99	9.55	8.27	6.76	6.49	6.43	6.76	6.70	
23	6.59	6.62	7.83	7.59	7.11	9.47	8.14	6.75	6.44	6.43	6.50	6.72	
24	6.59	6.67	7.14	7.49	7.02	8.92	7.89	6.78	6.42	6.42	6.48	6.88	
25	6.65	6.61	7.02	7.91	7.56	10.16	7.60	6.76	6.43	6.40	6.50	6.75	
26	6.62	6.60	7.01	7.37	8.75	12.17	7.38	6.75	6.44	6.43	6.49	6.69	
27	6.52	6.71	6.92	7.56	10.26	10.29	7.36	6.73	6.43	6.46	6.45	6.64	
28	6.79	6.93	6.91	7.37	9.19	9.60	7.31	6.72	6.42	6.47	6.46	6.55	
29	6.96	7.09	6.86	7.55	8.01	9.08	7.31	6.72	6.42	6.45		6.58	
30	6.78	6.65	6.74	8.00	8.24	8.53	7.25	6.72	6.42	6.43		6.67	
31		6.61		7.92	8.29		7.24		6.43	6.43		6.70	
Mean	6.56	6.65	7.22	7.46	7.81	8.69	8.66	6.95	6.55	6.43	6.49	6.57	
Max	6.96	7.09	8.50	9.99	10.26	12.17	12.02	7.80	6.70	6.47	6.76	6.88	12.17
Min	6.39	6.52	6.46	6.59	6.98	7.10	7.24	6.72	6.42	6.40	6.43	6.40	6.39
Annual Max Momentary Gage Height	13.35		m. (MSL.) ,			at 10.00 Hours, on Oct 13, 2021							
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	11.16		m. (MSL.) ,			Drainage Are 221	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.55	3.10	2.50	3.90	16.00	20.60	33.20	13.60	4.00	1.60	1.65	1.70		
2	1.65	3.20	2.30	3.70	12.55	19.40	29.80	12.85	3.80	1.60	1.65	1.55		
3	1.65	3.50	1.80	3.50	24.00	48.75	29.40	12.10	3.70	1.65	1.80	1.50		
4	1.45	2.90	1.80	3.40	14.80	20.60	30.40	10.45	3.60	1.60	1.80	2.10		
5	1.55	2.20	2.20	2.90	16.80	20.60	30.80	9.70	3.50	1.60	1.85	1.95		
6	1.65	2.70	3.30	4.90	18.00	15.70	46.75	8.35	3.40	1.60	1.65	3.10		
7	1.85	3.00	8.95	8.65	14.95	15.70	33.40	15.10	3.30	1.65	1.65	1.55		
8	1.80	3.00	7.75	10.60	11.20	33.80	27.00	22.00	3.30	1.60	1.65	2.90		
9	2.20	2.30	16.20	22.00	9.55	54.00	75.20	9.55	3.20	1.60	1.65	2.00		
10	3.00	2.40	36.00	11.50	8.20	73.70	68.25	8.20	3.20	1.65	1.80	1.90		
11	3.90	4.15	21.80	70.75	26.60	32.40	46.25	7.90	3.20	1.60	1.65	2.20		
12	3.50	4.00	17.20	26.40	28.80	14.65	37.80	7.75	3.00	1.60	1.85	2.40		
13	3.00	3.90	22.20	20.00	34.60	10.00	130.60	7.00	3.00	1.60	2.70	1.90		
14	3.40	3.00	20.40	14.35	25.20	20.00	82.40	5.95	2.80	1.60	3.20	1.80		
15	2.50	3.00	13.75	11.05	50.75	43.80	142.90	5.65	2.80	1.50	2.60	1.75		
16	1.90	3.00	16.20	12.85	30.40	42.60	89.00	6.25	2.70	1.60	2.40	1.60		
17	2.20	4.00	21.20	10.45	25.20	32.60	49.50	6.25	2.60	1.60	2.00	2.80		
18	2.80	4.00	18.80	13.75	15.40	28.00	47.50	6.25	2.70	1.75	1.75	3.20		
19	2.00	3.30	10.90	14.80	13.45	31.80	42.20	6.70	3.00	1.65	1.95	2.90		
20	2.50	4.15	12.40	20.60	10.90	30.80	35.60	5.95	2.30	1.65	1.80	3.80		
21	2.20	2.60	25.60	37.80	8.20	44.00	33.40	5.20	2.30	1.65	3.30	3.50		
22	2.60	3.50	18.80	17.40	8.35	59.75	31.40	4.90	1.95	1.65	4.90	4.00		
23	2.90	3.20	22.60	17.80	10.15	57.75	28.80	4.75	1.70	1.65	2.00	4.30		
24	2.90	3.70	10.60	15.85	8.80	44.40	23.80	5.20	1.60	1.60	1.90	6.70		
25	3.50	3.10	8.80	24.20	17.20	75.80	18.00	4.90	1.65	1.50	2.00	4.75		
26	3.20	3.00	8.65	14.05	41.00	149.65	14.20	4.75	1.70	1.65	1.95	3.90		
27	2.20	4.15	7.30	17.20	78.80	79.70	13.90	4.45	1.65	1.80	1.75	3.40		
28	5.35	7.45	7.15	14.05	50.75	61.00	13.15	4.30	1.60	1.85	1.80	2.50		
29	7.90	9.85	6.40	17.00	26.20	48.00	13.15	4.30	1.60	1.75		2.80		
30	5.20	3.50	4.60	26.00	30.80	36.60	12.25	4.30	1.60	1.65		3.70		
31		3.10		24.40	31.80		12.10		1.65	1.65		4.00		
Total	84.00	111.95	378.15	515.80	719.40	1266.15	1322.10	234.60	82.10	50.70	58.65	88.15	4911.75	CMSDAY
Mean	2.80	3.61	12.61	16.64	23.21	42.20	42.65	7.82	2.65	1.64	2.09	2.84	13.46	CMS
Max	7.90	9.85	36.00	70.75	78.80	149.65	142.90	22.00	4.00	1.85	4.90	6.70	149.65	CMS
Min	1.45	2.20	1.80	2.90	8.20	10.00	12.10	4.30	1.60	1.50	1.65	1.50	1.45	CMS
Runoff	7.26	9.67	32.67	44.57	62.16	109.40	114.23	20.27	7.09	4.38	5.07	7.62	424.38	MCM
Momentary Peak	214.00 CMS, at 13.35 m. (MSL.), at 10.00 Hours, on Oct 13, 2021													
Runoff Yield	60.89	Liters/Second/Square KM.			Momentary Peak Yield		968.33	Liters/Second/Square KM.						

WATER YEAR : 2021

EAST COAST - GULF BASIN

Khleng Phlo at Ban Chamkho , Rayong (Z.18)

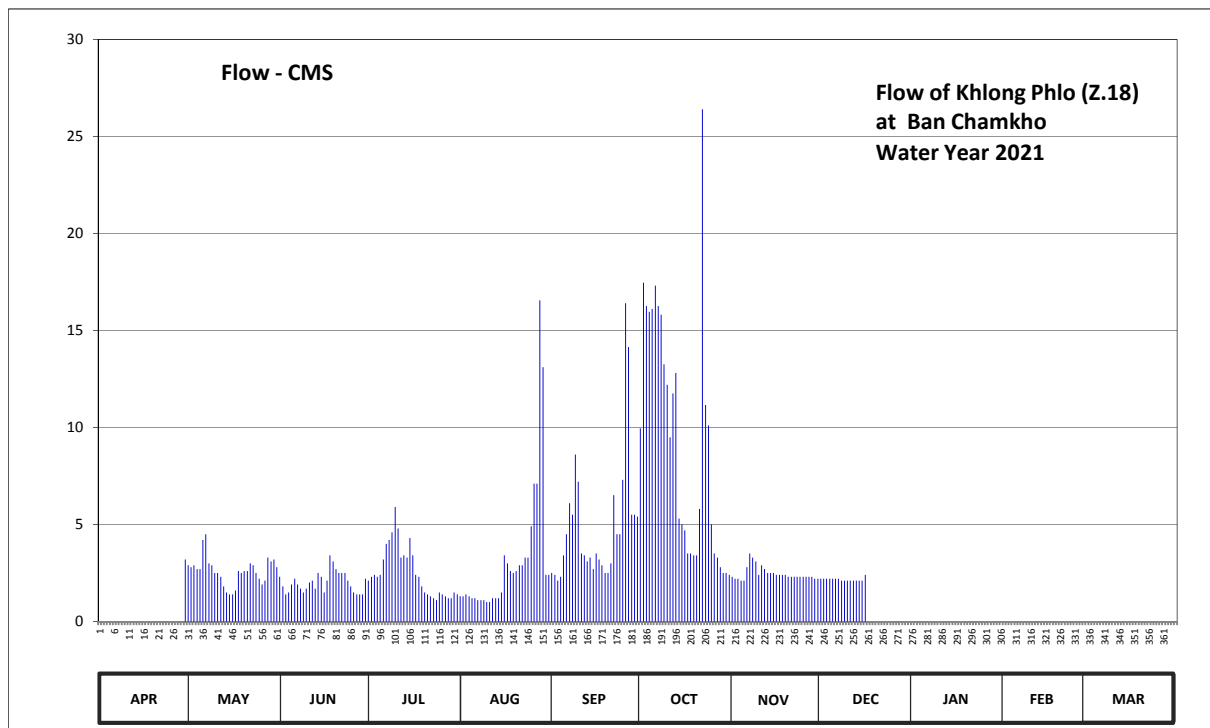
Lat 12 - 56 - 54 N Long 101 - 40 - 41 E

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	No overbank flow.		
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 10 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	30.11	29.09	29.03	29.01	28.93	29.05	29.73	29.03	29.02	30.20	30.19	30.04	
2	30.11	29.08	28.98	29.03	28.93	29.04	30.23	29.02	29.02	30.20	30.19	30.02	
3	30.11	29.09	28.94	29.04	28.94	29.01	30.15	29.02	29.02	30.20	30.19	30.01	
4	30.11	29.07	28.95	29.03	28.93	29.03	30.13	29.01	29.02	30.20	30.19	29.99	
5	30.11	29.07	28.99	29.04	28.92	29.14	30.14	29.01	29.02	30.20	30.18	29.98	
6	30.10	29.22	29.02	29.12	28.92	29.25	30.22	29.08	29.02	30.20	30.18	29.96	
7	30.08	29.25	28.99	29.20	28.91	29.41	30.15	29.15	29.02	30.20	30.18	29.95	
8	30.07	29.10	28.97	29.22	28.91	29.35	30.12	29.13	29.01	30.20	30.17	29.95	
9	30.09	29.09	28.95	29.26	28.91	29.64	29.95	29.11	29.01	30.20	30.17	29.94	
10	30.09	29.05	28.97	29.39	28.90	29.52	29.88	29.04	29.01	30.20	30.17	29.93	
11	30.09	29.05	29.00	29.28	28.90	29.15	29.70	29.09	29.01	30.20	30.17	29.91	
12	30.12	29.03	29.01	29.13	28.92	29.14	29.85	29.07	29.01	30.20	30.17	29.89	
13	30.21	28.98	28.97	29.14	28.92	29.11	29.92	29.05	29.01	30.19	30.17	29.89	
14	30.26	28.95	29.05	29.13	28.92	29.13	29.33	29.05	29.01	30.19	30.17	29.88	
15	30.32	28.94	29.03	29.23	28.95	29.07	29.30	29.05	29.01	30.19	30.20	29.86	
16	30.35	28.94	28.95	29.14	29.14	29.15	29.27	29.04	29.04	30.19	30.20	29.84	
17	30.37	28.96	29.01	29.04	29.10	29.12	29.15	29.04	29.40	30.19	30.20	29.83	
18	30.40	29.06	29.14	29.03	29.06	29.09	29.15	29.04	29.58	30.19	30.18	29.83	
19	30.40	29.05	29.11	28.98	29.05	29.05	29.14	29.04	29.61	30.19	30.18	29.82	
20	30.40	29.06	29.07	28.95	29.06	29.05	29.14	29.03	29.67	30.19	30.17	29.81	
21	30.40	29.06	29.05	28.94	29.09	29.10	29.38	29.03	30.15	30.19	30.16	29.79	
22	30.41	29.10	29.05	28.93	29.09	29.45	30.72	29.03	30.17	30.19	30.14	29.78	
23	30.43	29.09	29.05	28.92	29.13	29.25	29.81	29.03	30.20	30.20	30.13	29.77	
24	30.46	29.05	29.01	28.91	29.13	29.25	29.74	29.03	30.20	30.20	30.13	29.76	
25	30.52	29.02	28.98	28.95	29.29	29.53	29.30	29.03	30.20	30.20	30.11	29.74	
26	30.55	28.99	28.95	28.94	29.51	30.16	29.15	29.03	30.20	30.20	30.09	29.72	
27	30.56	29.01	28.94	28.93	29.51	30.01	29.13	29.03	30.20	30.20	30.08	29.69	
28	30.50	29.13	28.94	28.92	30.17	29.35	29.08	29.03	30.20	30.20	30.06	29.64	
29	29.78	29.11	28.94	28.92	29.94	29.35	29.05	29.02	30.20	30.20		29.63	
30	29.12	29.12	29.02	28.95	29.04	29.34	29.05	29.02	30.20	30.20		29.61	
31		29.08		28.94	29.04		29.04		30.20	30.20		29.60	
Mean	30.22	29.06	29.00	29.05	29.10	29.28	29.62	29.05	29.50	30.20	30.16	29.84	
Max	30.56	29.25	29.14	29.39	30.17	30.16	30.72	29.15	30.20	30.20	30.20	30.04	30.72
Min	29.12	28.94	28.94	28.91	28.90	29.01	29.04	29.01	29.01	30.19	30.06	29.60	28.90
Annual Max Momentary Gage Height	31.29			m. (MSL.) ,			at 12.00 Hours, on Oct 22, 2021						
Zero Gage at Bottom Elevation		28.15					River Bed 26.14		m. (MSL.)				
Left Bank Elevation		32.05											
Right Bank Elevation		32.29					Drainage Are 205		Square Kilometers				



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	2.90	2.30	2.10	1.30	2.50	9.95	2.30	2.20	0.00	0.00	0.00	
2	0.00	2.80	1.80	2.30	1.30	2.40	17.45	2.20	2.20	0.00	0.00	0.00	
3	0.00	2.90	1.40	2.40	1.40	2.10	16.25	2.20	2.20	0.00	0.00	0.00	
4	0.00	2.70	1.50	2.30	1.30	2.30	15.95	2.10	2.20	0.00	0.00	0.00	
5	0.00	2.70	1.90	2.40	1.20	3.40	16.10	2.10	2.20	0.00	0.00	0.00	
6	0.00	4.20	2.20	3.20	1.20	4.50	17.30	2.80	2.20	0.00	0.00	0.00	
7	0.00	4.50	1.90	4.00	1.10	6.10	16.25	3.50	2.20	0.00	0.00	0.00	
8	0.00	3.00	1.70	4.20	1.10	5.50	15.80	3.30	2.10	0.00	0.00	0.00	
9	0.00	2.90	1.50	4.60	1.10	8.60	13.25	3.10	2.10	0.00	0.00	0.00	
10	0.00	2.50	1.70	5.90	1.00	7.20	12.20	2.40	2.10	0.00	0.00	0.00	
11	0.00	2.50	2.00	4.80	1.00	3.50	9.50	2.90	2.10	0.00	0.00	0.00	
12	0.00	2.30	2.10	3.30	1.20	3.40	11.75	2.70	2.10	0.00	0.00	0.00	
13	0.00	1.80	1.70	3.40	1.20	3.10	12.80	2.50	2.10	0.00	0.00	0.00	
14	0.00	1.50	2.50	3.30	1.20	3.30	5.30	2.50	2.10	0.00	0.00	0.00	
15	0.00	1.40	2.30	4.30	1.50	2.70	5.00	2.50	2.10	0.00	0.00	0.00	
16	0.00	1.40	1.50	3.40	3.40	3.50	4.70	2.40	2.40	0.00	0.00	0.00	
17	0.00	1.60	2.10	2.40	3.00	3.20	3.50	2.40	0.00	0.00	0.00	0.00	
18	0.00	2.60	3.40	2.30	2.60	2.90	3.50	2.40	0.00	0.00	0.00	0.00	
19	0.00	2.50	3.10	1.80	2.50	2.50	3.40	2.40	0.00	0.00	0.00	0.00	
20	0.00	2.60	2.70	1.50	2.60	2.50	3.40	2.30	0.00	0.00	0.00	0.00	
21	0.00	2.60	2.50	1.40	2.90	3.00	5.80	2.30	0.00	0.00	0.00	0.00	
22	0.00	3.00	2.50	1.30	2.90	6.50	26.40	2.30	0.00	0.00	0.00	0.00	
23	0.00	2.90	2.50	1.20	3.30	4.50	11.15	2.30	0.00	0.00	0.00	0.00	
24	0.00	2.50	2.10	1.10	3.30	4.50	10.10	2.30	0.00	0.00	0.00	0.00	
25	0.00	2.20	1.80	1.50	4.90	7.30	5.00	2.30	0.00	0.00	0.00	0.00	
26	0.00	1.90	1.50	1.40	7.10	16.40	3.50	2.30	0.00	0.00	0.00	0.00	
27	0.00	2.10	1.40	1.30	7.10	14.15	3.30	2.30	0.00	0.00	0.00	0.00	
28	0.00	3.30	1.40	1.20	16.55	5.50	2.80	2.30	0.00	0.00	0.00	0.00	
29	0.00	3.10	1.40	1.20	13.10	5.50	2.50	2.20	0.00	0.00	0.00	0.00	
30	3.20	3.20	2.20	1.50	2.40	5.40	2.50	2.20	0.00	0.00	0.00	0.00	
31		2.80		1.40	2.40		2.40		0.00	0.00		0.00	
Total	3.20	80.90	60.60	78.40	98.15	147.95	288.80	73.80	34.60	0.00	0.00	0.00	866.40 CMSDAY
Mean	0.11	2.61	2.02	2.53	3.17	4.93	9.32	2.46	1.12	0.00	0.00	0.00	2.37 CMS
Max	3.20	4.50	3.40	5.90	16.55	16.40	26.40	3.50	2.40	0.00	0.00	0.00	26.40 CMS
Min	0.00	1.40	1.40	1.10	1.00	2.10	2.40	2.10	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.28	6.99	5.24	6.77	8.48	12.78	24.95	6.38	2.99	0.00	0.00	0.00	74.86 MCM
Momentary Peak	37.80 CMS, at 31.29 m. (MSL.), at 12.00 Hours, on Oct 22, 2021												
Runoff Yield	11.78	Liters/Second/Square KM.			Momentary Peak Yield		187.67	Liters/Second/Square KM.					

WATER YEAR : 2021**EAST COAST - GULF BASIN****Khlong Hin Dat at Ban Pong Rong Sen , Chanthaburi (Z.21)**

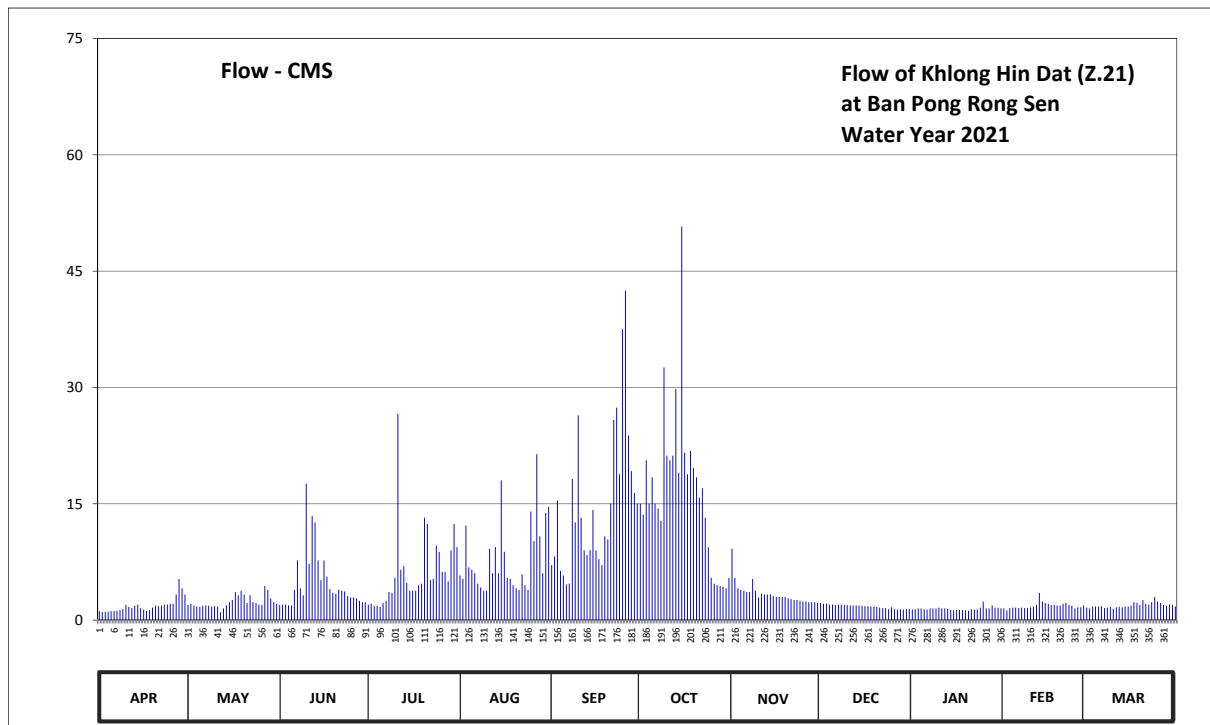
Lat 12 - 47 - 31 N Long 102 - 15 - 17 E

Location : on left bank at the bridge on highway.

	Ban	Pong Rong Sen	Amphoe	Makham	Changwat	Chanthaburi
Drainage Area	72	sq.km.				
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 34 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	21.83	21.99	21.99	22.00	22.35	22.44	22.85	22.56	22.02	21.87	21.90	21.92	
2	21.81	22.01	22.00	22.01	22.32	22.51	22.78	22.33	22.01	21.88	21.85	21.90	
3	21.81	21.97	22.00	21.96	22.71	22.87	23.13	22.21	22.01	21.90	21.91	21.95	
4	21.82	21.95	21.98	21.97	22.42	22.39	22.85	22.19	22.00	21.90	21.92	21.95	
5	21.83	21.94	21.98	21.94	22.40	22.35	23.02	22.18	22.00	21.88	21.92	21.95	
6	21.84	21.97	22.19	22.02	22.37	22.26	22.85	22.16	21.99	21.87	21.91	21.96	
7	21.84	21.98	22.48	22.05	22.27	22.27	22.82	22.16	22.00	21.90	21.92	21.91	
8	21.86	21.97	22.21	22.16	22.22	23.01	22.74	22.32	22.00	21.90	21.91	21.92	
9	21.88	21.95	22.12	22.15	22.18	22.73	23.73	22.18	21.99	21.90	21.91	21.94	
10	21.99	21.96	22.98	22.33	22.18	23.42	23.16	22.09	21.99	21.92	21.93	21.89	
11	21.94	21.95	22.45	23.43	22.56	22.76	23.13	22.14	21.98	21.90	21.95	21.93	
12	21.91	21.80	22.77	22.40	22.37	22.55	23.16	22.13	21.98	21.90	21.99	21.94	
13	21.97	21.90	22.73	22.43	22.57	22.52	23.59	22.13	21.98	21.89	22.15	21.93	
14	22.00	21.98	22.48	22.28	22.37	22.55	23.05	22.13	21.98	21.86	22.04	21.95	
15	21.91	22.03	22.31	22.18	23.00	22.81	24.49	22.11	21.97	21.85	22.02	21.95	
16	21.87	22.06	22.48	22.18	22.54	22.55	23.18	22.10	21.96	21.86	22.01	21.97	
17	21.84	22.16	22.34	22.18	22.33	22.49	23.04	22.10	21.96	21.86	21.99	22.03	
18	21.86	22.12	22.20	22.25	22.32	22.44	23.19	22.10	21.95	21.86	21.99	22.02	
19	21.92	22.18	22.15	22.27	22.25	22.64	23.08	22.10	21.95	21.85	21.98	21.99	
20	21.97	22.13	22.14	22.76	22.21	22.62	23.02	22.08	21.94	21.84	21.97	22.06	
21	21.96	22.02	22.19	22.72	22.19	22.85	22.89	22.07	21.92	21.88	22.01	22.01	
22	21.98	22.12	22.18	22.31	22.36	23.39	22.95	22.06	21.91	21.87	22.02	22.00	
23	22.00	22.03	22.17	22.32	22.25	23.47	22.76	22.06	21.91	21.87	21.99	22.03	
24	22.00	22.02	22.11	22.58	22.19	23.04	22.57	22.05	21.88	21.92	21.97	22.10	
25	22.01	22.00	22.09	22.54	22.80	23.96	22.33	22.04	21.93	22.04	21.90	22.04	
26	22.01	21.99	22.09	22.38	22.61	24.16	22.27	22.04	21.88	21.90	21.93	22.02	
27	22.13	22.24	22.08	22.38	23.17	23.29	22.25	22.03	21.87	21.90	21.93	21.99	
28	22.32	22.19	22.05	22.30	22.64	23.06	22.24	22.03	21.88	21.98	21.98	21.97	
29	22.21	22.08	22.03	22.55	22.37	22.92	22.23	22.03	21.87	21.92		22.00	
30	22.13	22.03	22.03	22.72	22.79	22.85	22.21	22.02	21.89	21.92		21.99	
31		22.01		22.57	22.83		22.33		21.88	21.90		21.95	
Mean	21.95	22.02	22.23	22.33	22.46	22.84	22.90	22.13	21.95	21.89	21.96	21.97	
Max	22.32	22.24	22.98	23.43	23.17	24.16	24.49	22.56	22.02	22.04	22.15	22.10	24.49
Min	21.81	21.80	21.98	21.94	22.18	22.26	22.21	22.02	21.87	21.84	21.85	21.89	21.80
Annual Max Momentary Gage Height	26.22		m. (MSL.) ,			at 12.00 Hours, on Oct 15, 2021							
Zero Gage at Bottom Elevation	21.20		m. (MSL.) ,			River Bed	21.01	m. (MSL.)					
Left Bank Elevation	28.76		m. (MSL.) ,										
Right Bank Elevation	28.71		m. (MSL.) ,			Drainage Are	72	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.15	1.95	1.95	2.00	5.75	7.10	15.00	9.20	2.20	1.35	1.50	1.60		
2	1.05	2.10	2.00	2.10	5.30	8.20	13.60	5.45	2.10	1.40	1.25	1.50		
3	1.05	1.85	2.00	1.80	12.20	15.40	20.60	4.10	2.10	1.50	1.55	1.75		
4	1.10	1.75	1.90	1.85	6.80	6.35	15.00	3.90	2.00	1.50	1.60	1.75		
5	1.15	1.70	1.90	1.70	6.50	5.75	18.40	3.80	2.00	1.40	1.60	1.75		
6	1.20	1.85	3.90	2.20	6.05	4.60	15.00	3.60	1.95	1.35	1.55	1.80		
7	1.20	1.90	7.70	2.50	4.70	4.70	14.40	3.60	2.00	1.50	1.60	1.55		
8	1.30	1.85	4.10	3.60	4.20	18.20	12.80	5.30	2.00	1.50	1.55	1.60		
9	1.40	1.75	3.20	3.50	3.80	12.60	32.60	3.80	1.95	1.50	1.55	1.70		
10	1.95	1.80	17.60	5.45	3.80	26.40	21.20	2.90	1.95	1.60	1.65	1.45		
11	1.70	1.75	7.25	26.60	9.20	13.20	20.60	3.40	1.90	1.50	1.75	1.65		
12	1.55	1.00	13.40	6.50	6.05	9.00	21.20	3.30	1.90	1.50	1.95	1.70		
13	1.85	1.50	12.60	6.95	9.40	8.40	29.80	3.30	1.90	1.45	3.50	1.65		
14	2.00	1.90	7.70	4.80	6.05	9.00	19.00	3.30	1.90	1.30	2.40	1.75		
15	1.55	2.30	5.15	3.80	18.00	14.20	50.75	3.10	1.85	1.25	2.20	1.75		
16	1.35	2.60	7.70	3.80	8.80	9.00	21.60	3.00	1.80	1.30	2.10	1.85		
17	1.20	3.60	5.60	3.80	5.45	7.85	18.80	3.00	1.80	1.30	1.95	2.30		
18	1.30	3.20	4.00	4.50	5.30	7.10	21.80	3.00	1.75	1.30	1.95	2.20		
19	1.60	3.80	3.50	4.70	4.50	10.80	19.60	3.00	1.75	1.25	1.90	1.95		
20	1.85	3.30	3.40	13.20	4.10	10.40	18.40	2.80	1.70	1.20	1.85	2.60		
21	1.80	2.20	3.90	12.40	3.90	15.00	15.80	2.70	1.60	1.40	2.10	2.10		
22	1.90	3.20	3.80	5.15	5.90	25.80	17.00	2.60	1.55	1.35	2.20	2.00		
23	2.00	2.30	3.70	5.30	4.50	27.40	13.20	2.60	1.55	1.35	1.95	2.30		
24	2.00	2.20	3.10	9.60	3.90	18.80	9.40	2.50	1.40	1.60	1.85	3.00		
25	2.10	2.00	2.90	8.80	14.00	37.50	5.45	2.40	1.65	2.40	1.50	2.40		
26	2.10	1.95	2.90	6.20	10.20	42.50	4.70	2.40	1.40	1.50	1.65	2.20		
27	3.30	4.40	2.80	6.20	21.40	23.80	4.50	2.30	1.35	1.50	1.65	1.95		
28	5.30	3.90	2.50	5.00	10.80	19.20	4.40	2.30	1.40	1.90	1.90	1.85		
29	4.10	2.80	2.30	9.00	6.05	16.40	4.30	2.30	1.35	1.60		2.00		
30	3.30	2.30	2.30	12.40	13.80	15.00	4.10	2.20	1.45	1.60		1.95		
31		2.10		9.40	14.60		5.45		1.40	1.50		1.75		
Total	56.40	72.80	146.75	194.80	245.00	449.65	508.45	101.15	54.60	45.65	51.75	59.35	1986.35	CMSDAY
Mean	1.88	2.35	4.89	6.28	7.90	14.99	16.40	3.37	1.76	1.47	1.85	1.91	5.44	CMS
Max	5.30	4.40	17.60	26.60	21.40	42.50	50.75	9.20	2.20	2.40	3.50	3.00	50.75	CMS
Min	1.05	1.00	1.90	1.70	3.80	4.60	4.10	2.20	1.35	1.20	1.25	1.45	1.00	CMS
Runoff	4.87	6.29	12.68	16.83	21.17	38.85	43.93	8.74	4.72	3.94	4.47	5.13	171.62	MCM
Momentary Peak	CMS, at 105.70, 26.22 m. (MSL.), at 12.00 Hours, on Oct 15, 2021													
Runoff Yield	75.58	Liters/Second/Square KM.			Momentary Peak Yield			1468.06	Liters/Second/Square KM.					

WATER YEAR : 2021**EAST COAST - GULF BASIN****Upper Khlong Tanot at Ban Khun Song , Chanthaburi (Z.28)**

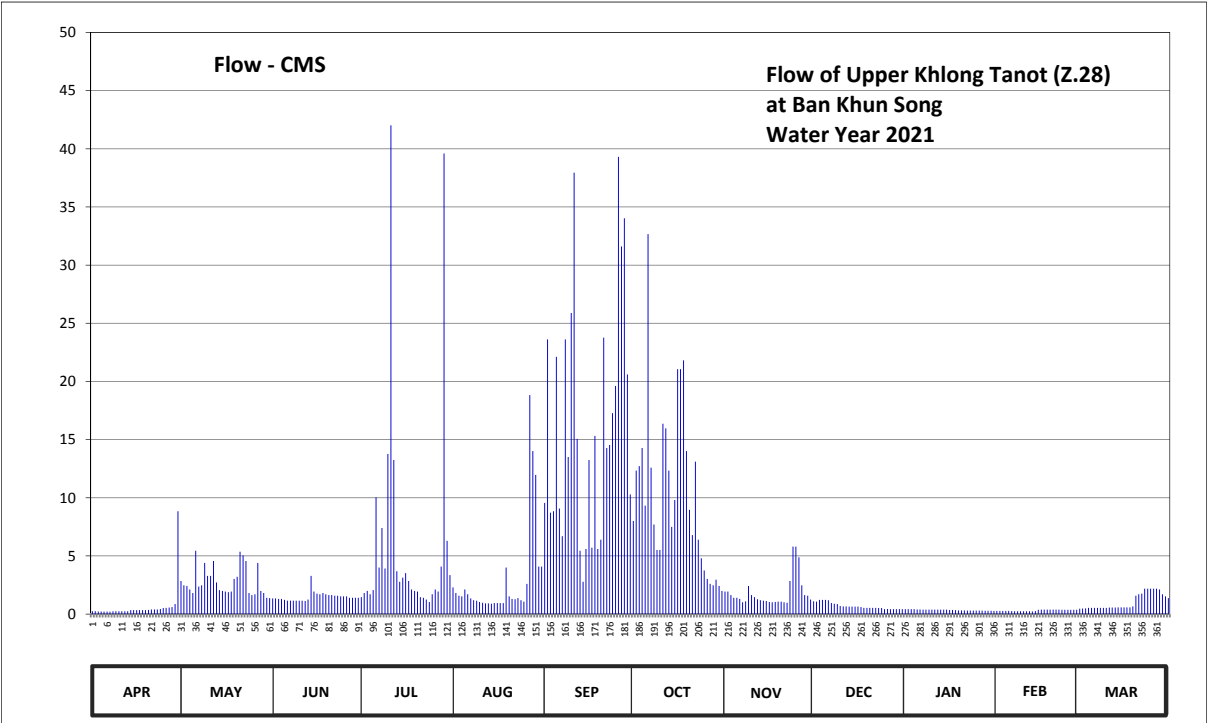
Lat 13 - 04 - 38 N Long 101 - 56 - 44 E

Location : on right bank near Wat Khun Song.

	Ban	Khun Song	Amphoe	Kaeng Hang Maeo	Changwat	Chanthaburi
Drainage 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	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 20 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	33.25	34.04	33.78	33.81	33.95	34.78	34.64	33.89	33.70	33.41	33.28	33.43	
2	33.25	33.98	33.78	33.87	33.87	35.84	35.01	33.89	33.69	33.41	33.28	33.44	
3	33.22	33.97	33.77	33.90	33.83	34.71	35.04	33.84	33.74	33.41	33.28	33.45	
4	33.22	33.92	33.77	33.85	33.82	34.72	35.16	33.80	33.74	33.41	33.28	33.47	
5	33.22	33.87	33.74	33.91	33.92	35.74	34.76	33.80	33.74	33.40	33.27	33.47	
6	33.22	34.38	33.72	34.82	33.85	34.74	36.44	33.77	33.73	33.40	33.26	33.47	
7	33.20	33.96	33.72	34.20	33.78	34.51	35.03	33.67	33.65	33.39	33.25	33.47	
8	33.24	33.98	33.72	34.58	33.73	35.84	34.61	33.70	33.63	33.39	33.25	33.47	
9	33.24	34.25	33.72	34.19	33.72	35.10	34.39	33.97	33.62	33.39	33.25	33.47	
10	33.24	34.11	33.72	35.12	33.68	35.99	34.39	33.84	33.55	33.39	33.24	33.47	
11	33.24	34.11	33.72	37.06	33.66	36.79	35.32	33.81	33.53	33.38	33.24	33.48	
12	33.24	34.27	33.71	35.08	33.64	35.22	35.29	33.76	33.53	33.38	33.24	33.48	
13	33.25	34.02	33.75	34.16	33.64	34.38	35.01	33.73	33.52	33.38	33.23	33.48	
14	33.34	33.91	34.11	34.03	33.63	34.03	34.59	33.72	33.52	33.38	33.26	33.49	
15	33.34	33.90	33.89	34.09	33.65	34.40	34.80	33.71	33.52	33.38	33.37	33.49	
16	33.34	33.89	33.86	34.14	33.65	35.08	35.67	33.68	33.52	33.35	33.38	33.49	
17	33.34	33.88	33.85	34.04	33.65	34.41	35.67	33.67	33.50	33.35	33.38	33.49	
18	33.34	33.89	33.87	33.92	33.65	35.24	35.72	33.68	33.47	33.34	33.38	33.49	
19	33.34	34.07	33.85	33.90	34.20	34.40	35.14	33.69	33.47	33.32	33.38	33.53	
20	33.35	34.10	33.84	33.89	33.82	34.48	34.73	33.69	33.47	33.32	33.38	33.83	
21	33.40	34.37	33.84	33.81	33.77	35.85	34.52	33.67	33.47	33.32	33.38	33.85	
22	33.40	34.33	33.83	33.80	33.76	35.16	35.07	33.66	33.47	33.30	33.38	33.86	
23	33.40	34.27	33.83	33.75	33.79	35.18	34.48	34.04	33.46	33.30	33.37	33.93	
24	33.42	33.87	33.82	33.68	33.73	35.39	34.30	34.42	33.46	33.30	33.37	33.93	
25	33.46	33.84	33.82	33.85	33.69	35.57	34.17	34.42	33.41	33.30	33.37	33.93	
26	33.47	33.85	33.82	33.92	34.00	36.88	34.07	34.31	33.42	33.30	33.37	33.93	
27	33.48	34.25	33.80	33.89	35.51	36.37	34.00	33.98	33.41	33.30	33.37	33.93	
28	33.50	33.90	33.80	34.21	35.14	36.53	33.98	33.84	33.41	33.29	33.37	33.92	
29	33.62	33.87	33.80	36.90	34.98	35.64	34.06	33.83	33.41	33.29		33.85	
30	34.72	33.80	33.80	34.47	34.21	34.84	33.97	33.75	33.41	33.29		33.82	
31		33.79		34.12	34.21		33.90		33.41	33.28		33.79	
Mean	33.38	34.02	33.80	34.29	33.94	35.26	34.77	33.84	33.53	33.35	33.32	33.63	
Max	34.72	34.38	34.11	37.06	35.51	36.88	36.44	34.42	33.74	33.41	33.38	33.93	37.06
Min	33.20	33.79	33.71	33.68	33.63	34.03	33.90	33.66	33.41	33.28	33.23	33.43	33.20
Annual Max Momentary Gage Height	38.90		m. (MSL.) ,			at 06.00 Hours, on Jul 29, 2021							
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					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.25	2.84	1.34	1.46	2.30	9.56	8.00	1.94	1.10	0.42	0.28	0.46		
2	0.25	2.48	1.34	1.82	1.82	23.62	12.33	1.94	1.07	0.42	0.28	0.48		
3	0.22	2.42	1.31	2.00	1.58	8.72	12.72	1.64	1.22	0.42	0.28	0.50		
4	0.22	2.12	1.31	1.70	1.52	8.84	14.28	1.40	1.22	0.42	0.28	0.54		
5	0.22	1.82	1.22	2.06	2.12	22.11	9.32	1.40	1.22	0.40	0.27	0.54		
6	0.22	5.44	1.16	10.04	1.70	9.08	32.67	1.31	1.19	0.40	0.26	0.54		
7	0.20	2.36	1.16	4.00	1.34	6.70	12.59	1.01	0.95	0.39	0.25	0.54		
8	0.24	2.48	1.16	7.40	1.19	23.62	7.70	1.10	0.89	0.39	0.25	0.54		
9	0.24	4.40	1.16	3.92	1.16	13.50	5.52	2.42	0.86	0.39	0.25	0.54		
10	0.24	3.28	1.16	13.76	1.04	25.88	5.52	1.64	0.70	0.39	0.24	0.54		
11	0.24	3.28	1.16	42.01	0.98	37.94	16.36	1.46	0.66	0.38	0.24	0.56		
12	0.24	4.56	1.13	13.24	0.92	15.06	15.97	1.28	0.66	0.38	0.24	0.56		
13	0.25	2.72	1.25	3.68	0.92	5.44	12.33	1.19	0.64	0.38	0.23	0.56		
14	0.34	2.06	3.28	2.78	0.89	2.78	7.50	1.16	0.64	0.38	0.26	0.58		
15	0.34	2.00	1.94	3.14	0.95	5.60	9.80	1.13	0.64	0.38	0.37	0.58		
16	0.34	1.94	1.76	3.52	0.95	13.24	21.06	1.04	0.64	0.35	0.38	0.58		
17	0.34	1.88	1.70	2.84	0.95	5.70	21.06	1.01	0.60	0.35	0.38	0.58		
18	0.34	1.94	1.82	2.12	0.95	15.32	21.81	1.04	0.54	0.34	0.38	0.58		
19	0.34	3.02	1.70	2.00	4.00	5.60	14.02	1.07	0.54	0.32	0.38	0.66		
20	0.35	3.20	1.64	1.94	1.52	6.40	8.96	1.07	0.54	0.32	0.38	1.58		
21	0.40	5.36	1.64	1.46	1.31	23.77	6.80	1.01	0.54	0.32	0.38	1.70		
22	0.40	5.04	1.58	1.40	1.28	14.28	13.11	0.98	0.54	0.30	0.38	1.76		
23	0.40	4.56	1.58	1.25	1.37	14.54	6.40	2.84	0.52	0.30	0.37	2.18		
24	0.44	1.82	1.52	1.04	1.19	17.27	4.80	5.80	0.52	0.30	0.37	2.18		
25	0.52	1.64	1.52	1.70	1.07	19.61	3.76	5.80	0.42	0.30	0.37	2.18		
26	0.54	1.70	1.52	2.12	2.60	39.30	3.02	4.88	0.44	0.30	0.37	2.18		
27	0.56	4.40	1.40	1.94	18.83	31.61	2.60	2.48	0.42	0.30	0.37	2.18		
28	0.60	2.00	1.40	4.08	14.02	34.02	2.48	1.64	0.42	0.29	0.37	2.12		
29	0.86	1.82	1.40	39.60	11.96	20.60	2.96	1.58	0.42	0.29		1.70		
30	8.84	1.40	1.40	6.30	4.08	10.28	2.42	1.25	0.42	0.29		1.52		
31		1.37		3.36	4.08		2.00		0.42	0.28		1.37		
Total	18.98	87.35	44.66	189.68	90.59	489.99	319.87	55.51	21.60	10.89	8.86	33.11	1371.09	CMSDAY
Mean	0.63	2.82	1.49	6.12	2.92	16.33	10.32	1.85	0.70	0.35	0.32	1.07	3.76	CMS
Max	8.84	5.44	3.28	42.01	18.83	39.30	32.67	5.80	1.22	0.42	0.38	2.18	42.01	CMS
Min	0.20	1.37	1.13	1.04	0.89	2.78	2.00	0.98	0.42	0.28	0.23	0.46	0.20	CMS
Runoff	1.64	7.55	3.86	16.39	7.83	42.34	27.64	4.80	1.87	0.94	0.77	2.86	118.46	MCM
Momentary Peak	73.10	CMS, at 38.90 m. (MSL.), at 06.00 Hours, on Jul 29, 2021												
Runoff Yield	13.37	Liters/Second/Square KM.				Momentary Peak Yield				260.14 Liters/Second/Square KM.				

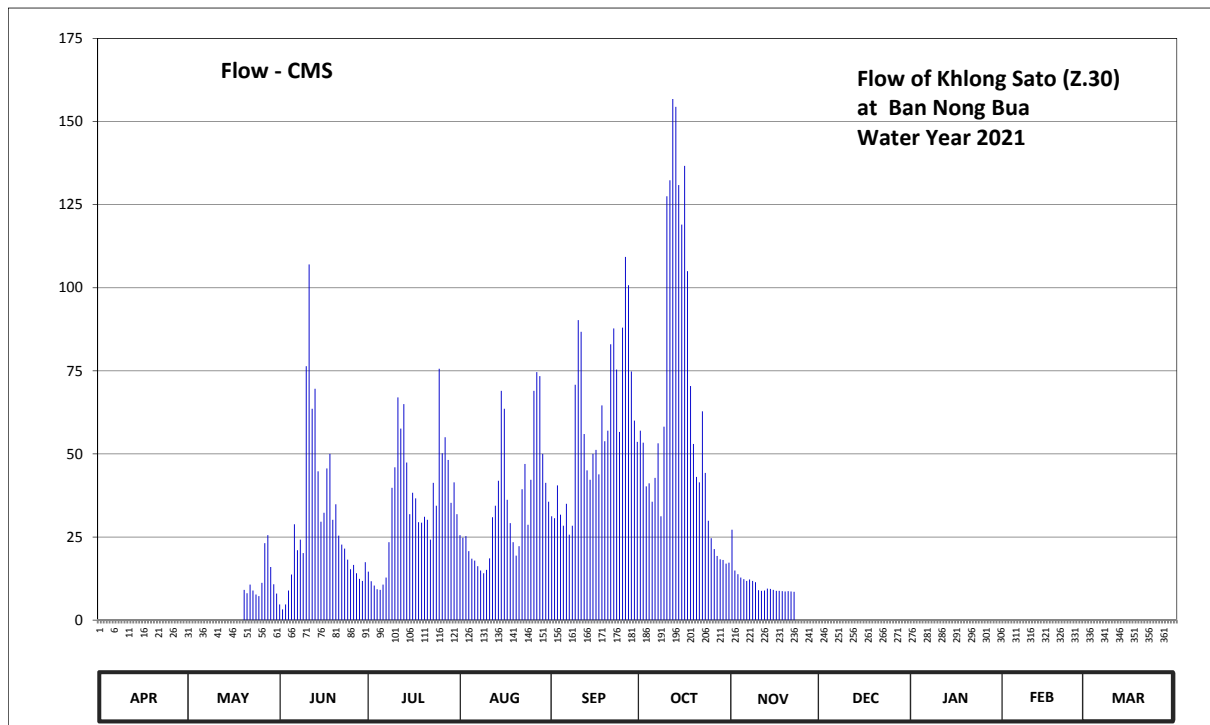
WATER YEAR : 2021
EAST COAST - GULF BASIN
Khlong Sato at Ban Nong Bua , Trat (Z.30)
Lat 12 - 32 - 27 N Long 102 - 26 - 45 E

Location : on right bank at Ban Nong Bua.

	Ban Nong Bua	Amphoe Khao Saming	Changwat Trat
Drainage 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 electric 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 36 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	12.64	13.28	11.07	12.06	12.97	13.35	14.90	13.08	12.95	13.03	13.11	13.10	
2	12.57	13.30	10.92	11.77	12.92	13.31	14.72	12.09	13.06	13.13	13.10	13.10	
3	12.49	13.27	11.07	11.64	12.95	13.97	13.95	11.98	12.94	13.13	13.10	13.12	
4	12.43	13.24	11.49	11.53	12.65	13.38	14.01	11.88	12.85	13.13	13.10	13.17	
5	12.43	13.23	11.97	11.51	12.45	13.16	13.64	11.83	12.85	13.13	13.09	13.15	
6	12.78	13.25	13.19	11.67	12.39	13.60	14.12	11.78	12.87	13.13	13.08	13.14	
7	13.21	13.24	12.67	11.88	12.22	12.98	14.71	11.82	12.86	13.12	13.07	13.22	
8	13.18	13.21	12.88	12.83	12.09	13.16	13.35	11.78	12.90	13.12	13.07	13.19	
9	13.22	13.17	12.61	13.92	12.01	15.59	14.96	11.74	12.71	13.12	13.02	13.16	
10	13.30	13.27	15.87	14.33	12.11	16.49	17.98	11.50	12.78	13.12	13.07	13.14	
11	13.26	13.21	17.16	15.40	12.46	16.35	18.09	11.48	12.82	13.12	13.11	13.17	
12	13.30	13.24	15.23	14.93	13.33	14.85	18.60	11.49	12.79	13.09	13.19	13.19	
13	13.32	13.20	15.53	15.30	13.56	14.27	18.55	11.55	12.80	13.07	13.23	13.17	
14	13.25	13.19	14.25	14.42	14.06	14.08	18.06	11.54	12.87	13.06	13.29	13.17	
15	13.21	13.52	13.24	13.39	15.50	14.55	17.64	11.51	12.68	13.09	13.32	13.15	
16	13.17	13.54	13.42	13.82	15.23	14.61	18.18	11.48	12.66	13.10	13.21	13.15	
17	13.16	13.42	14.31	13.71	13.68	14.19	17.08	11.48	12.76	13.10	13.19	13.28	
18	13.14	13.51	14.55	13.23	13.21	15.28	15.57	11.47	12.75	13.09	13.20	13.26	
19	13.16	13.25	13.28	13.22	12.83	14.74	14.70	11.46	12.73	13.09	13.18	13.21	
20	13.18	11.51	13.59	13.34	12.54	14.90	14.14	11.47	12.71	13.09	13.16	13.22	
21	13.16	11.41	12.96	13.28	12.75	16.20	14.03	11.46	12.70	13.11	13.19	13.20	
22	13.13	11.67	12.78	12.88	13.89	16.39	15.19	11.45	12.70	13.12	13.28	13.22	
23	13.11	11.49	12.70	14.02	14.40	15.82	14.22	11.51	12.70	13.14	13.19	13.28	
24	13.12	11.37	12.42	13.56	13.18	14.88	13.26	12.62	12.70	13.13	13.16	13.58	
25	13.16	11.32	12.13	15.83	14.08	16.40	12.91	13.13	12.69	13.11	13.14	13.22	
26	13.13	11.72	12.26	14.56	15.50	17.25	12.69	13.13	12.85	13.09	13.13	13.10	
27	13.15	12.81	12.01	14.80	15.78	16.91	12.53	13.09	12.83	13.10	13.11	13.01	
28	13.31	12.97	11.84	14.46	15.72	15.79	12.43	13.06	12.78	13.13	13.11	12.94	
29	13.34	12.20	11.78	13.62	14.55	15.05	12.41	13.03	12.75	13.13		13.04	
30	13.48	11.68	12.34	14.03	14.02	14.73	12.30	12.95	12.72	13.12		13.07	
31		11.40		13.39	13.64		12.33		12.73	13.12		13.07	
Mean	13.08	12.71	13.05	13.49	13.51	14.87	14.88	11.99	12.79	13.11	13.15	13.17	
Max	13.48	13.54	17.16	15.83	15.78	17.25	18.60	13.13	13.06	13.14	13.32	13.58	18.60
Min	12.43	11.32	10.92	11.51	12.01	12.98	12.30	11.45	12.66	13.03	13.02	12.94	10.92
Annual Max Momentary Gage Height	18.77		m. (MSL.) ,			at 02.00 Hours, on Oct 12, 2021							
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	4.70	14.60	25.55	31.25	57.00	27.20	0.00	0.00	0.00	0.00		
2	0.00	0.00	3.20	11.70	24.80	30.65	53.40	14.90	0.00	0.00	0.00	0.00		
3	0.00	0.00	4.70	10.40	25.25	40.55	40.25	13.80	0.00	0.00	0.00	0.00		
4	0.00	0.00	8.90	9.30	20.75	31.70	41.15	12.80	0.00	0.00	0.00	0.00		
5	0.00	0.00	13.70	9.10	18.50	28.40	35.60	12.30	0.00	0.00	0.00	0.00		
6	0.00	0.00	28.85	10.70	17.90	35.00	42.80	11.80	0.00	0.00	0.00	0.00		
7	0.00	0.00	21.05	12.80	16.20	25.70	53.20	12.20	0.00	0.00	0.00	0.00		
8	0.00	0.00	24.20	23.45	14.90	28.40	31.25	11.80	0.00	0.00	0.00	0.00		
9	0.00	0.00	20.15	39.80	14.10	70.80	58.20	11.40	0.00	0.00	0.00	0.00		
10	0.00	0.00	76.40	45.95	15.10	90.25	127.50	9.00	0.00	0.00	0.00	0.00		
11	0.00	0.00	107.00	67.00	18.60	86.75	132.32	8.80	0.00	0.00	0.00	0.00		
12	0.00	0.00	63.60	57.60	30.95	56.00	156.80	8.90	0.00	0.00	0.00	0.00		
13	0.00	0.00	69.60	65.00	34.40	45.05	154.40	9.50	0.00	0.00	0.00	0.00		
14	0.00	0.00	44.75	47.40	41.90	42.20	130.88	9.40	0.00	0.00	0.00	0.00		
15	0.00	0.00	29.60	31.85	69.00	50.00	119.00	9.10	0.00	0.00	0.00	0.00		
16	0.00	0.00	32.30	38.30	63.60	51.20	136.64	8.80	0.00	0.00	0.00	0.00		
17	0.00	0.00	45.65	36.65	36.20	43.85	105.00	8.80	0.00	0.00	0.00	0.00		
18	0.00	0.00	50.00	29.45	29.15	64.60	70.40	8.70	0.00	0.00	0.00	0.00		
19	0.00	0.00	30.20	29.30	23.45	53.80	53.00	8.60	0.00	0.00	0.00	0.00		
20	0.00	9.10	34.85	31.10	19.40	57.00	43.10	8.70	0.00	0.00	0.00	0.00		
21	0.00	8.10	25.40	30.20	22.25	83.00	41.45	8.60	0.00	0.00	0.00	0.00		
22	0.00	10.70	22.70	24.20	39.35	87.75	62.80	8.50	0.00	0.00	0.00	0.00		
23	0.00	8.90	21.50	41.30	47.00	75.40	44.30	0.00	0.00	0.00	0.00	0.00		
24	0.00	7.70	18.20	34.40	28.70	56.60	29.90	0.00	0.00	0.00	0.00	0.00		
25	0.00	7.20	15.30	75.60	42.20	88.00	24.65	0.00	0.00	0.00	0.00	0.00		
26	0.00	11.20	16.60	50.20	69.00	109.25	21.35	0.00	0.00	0.00	0.00	0.00		
27	0.00	23.15	14.10	55.00	74.60	100.75	19.30	0.00	0.00	0.00	0.00	0.00		
28	0.00	25.55	12.40	48.20	73.40	74.80	18.30	0.00	0.00	0.00	0.00	0.00		
29	0.00	16.00	11.80	35.30	50.00	60.00	18.10	0.00	0.00	0.00	0.00	0.00		
30	0.00	10.80	17.40	41.45	41.30	53.60	17.00	0.00	0.00	0.00	0.00	0.00		
31		8.00		31.85	35.60		17.30		0.00	0.00		0.00		
Total	0.00	146.40	888.80	1089.15	1083.10	1752.30	1956.34	243.60	0.00	0.00	0.00	0.00	7159.69	CMSDAY
Mean	0.00	4.72	29.63	35.13	34.94	58.41	63.11	8.12	0.00	0.00	0.00	0.00	19.62	CMS
Max	0.00	25.55	107.00	75.60	74.60	109.25	156.80	27.20	0.00	0.00	0.00	0.00	156.80	CMS
Min	0.00	0.00	3.20	9.10	14.10	25.70	17.00	0.00	0.00	0.00	0.00	0.00	0.00	CMS
Runoff	0.00	12.65	76.79	94.10	93.58	151.40	169.03	21.05	0.00	0.00	0.00	0.00	618.60	MCM
Momentary Peak	164.96	CMS, at 18.77 m. (MSL.), at 02.00 Hours, on Oct 12, 2021												
Runoff Yield	62.87	Liters/Second/Square KM.				Momentary Peak Yield		528.72	Liters/Second/Square KM.					

WATER YEAR : 2021**EAST COAST - GULF BASIN****Khlong Thapma at Ban Khao Bot , Rayong (Z.38)**

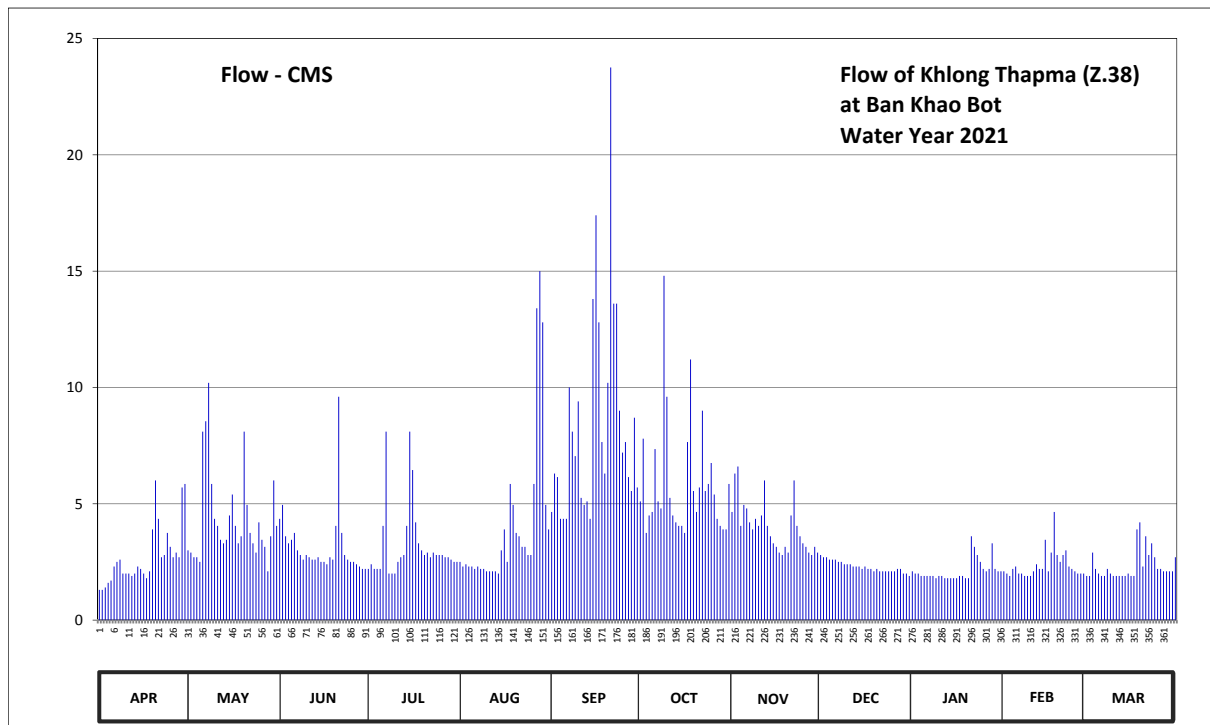
Lat 12 - 44 - 17 N Long 101 - 13 - 42 E

Location : on left bank at Ban Khao Bot.

	Ban Khao Bot	Amphoe Mueang	Changwat Rayong
Drainage 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 electric 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 19 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.73	8.90	8.99	8.82	8.85	9.01	9.04	9.01	8.88	8.81	8.81	8.79	
2	8.73	8.89	9.03	8.84	8.83	9.12	9.22	9.12	8.87	8.80	8.80	8.79	
3	8.74	8.87	8.94	8.82	8.84	9.11	8.95	9.14	8.87	8.80	8.79	8.89	
4	8.76	8.87	8.92	8.82	8.83	8.99	9.00	8.97	8.86	8.79	8.82	8.82	
5	8.77	8.85	8.93	8.82	8.83	8.99	9.01	9.03	8.86	8.79	8.83	8.80	
6	8.83	9.24	8.95	8.97	8.82	8.99	9.19	9.02	8.86	8.79	8.80	8.79	
7	8.85	9.27	8.90	9.24	8.83	9.35	9.04	8.98	8.85	8.79	8.80	8.79	
8	8.86	9.36	8.88	8.80	8.82	9.24	9.02	8.96	8.85	8.79	8.79	8.82	
9	8.80	9.09	8.86	8.80	8.82	9.17	9.59	8.99	8.84	8.78	8.79	8.80	
10	8.80	8.99	8.88	8.80	8.81	9.32	9.33	8.97	8.84	8.79	8.79	8.79	
11	8.80	8.97	8.87	8.85	8.81	9.05	9.05	9.00	8.84	8.79	8.81	8.79	
12	8.79	8.93	8.86	8.87	8.81	9.03	9.00	9.10	8.83	8.78	8.84	8.79	
13	8.80	8.92	8.86	8.88	8.81	9.04	8.98	8.97	8.83	8.78	8.82	8.79	
14	8.83	8.93	8.87	8.97	8.80	8.99	8.97	8.94	8.83	8.78	8.82	8.79	
15	8.82	9.00	8.85	9.24	8.90	9.54	8.97	8.92	8.82	8.78	8.93	8.80	
16	8.80	9.06	8.85	9.13	8.96	9.72	8.95	8.91	8.83	8.78	8.81	8.79	
17	8.78	8.97	8.84	8.98	8.85	9.49	9.21	8.89	8.82	8.79	8.89	8.79	
18	8.81	8.92	8.87	8.92	9.09	9.21	9.41	8.88	8.82	8.79	9.01	8.96	
19	8.96	8.94	8.86	8.90	9.03	9.12	9.07	8.91	8.81	8.78	8.88	8.98	
20	9.10	9.24	8.97	8.88	8.95	9.36	9.01	8.89	8.82	8.78	8.85	8.83	
21	8.99	9.03	9.33	8.89	8.94	10.01	9.08	9.00	8.81	8.94	8.88	8.94	
22	8.87	8.95	8.95	8.87	8.91	9.53	9.30	9.10	8.81	8.91	8.90	8.88	
23	8.88	8.92	8.88	8.89	8.91	9.53	9.07	8.97	8.81	8.88	8.83	8.92	
24	8.95	8.89	8.86	8.88	8.88	9.30	9.09	8.94	8.81	8.85	8.82	8.87	
25	8.91	8.98	8.85	8.88	8.88	9.18	9.15	8.92	8.81	8.82	8.81	8.82	
26	8.87	8.93	8.85	8.88	9.09	9.21	9.06	8.91	8.81	8.81	8.80	8.82	
27	8.89	8.91	8.84	8.87	9.52	9.11	8.99	8.89	8.82	8.82	8.80	8.81	
28	8.87	8.81	8.83	8.87	9.60	9.07	8.97	8.88	8.82	8.92	8.80	8.81	
29	9.08	8.94	8.82	8.86	9.49	9.28	8.96	8.91	8.80	8.82		8.81	
30	9.09	9.10	8.82	8.85	9.03	9.08	8.96	8.89	8.80	8.81		8.81	
31		8.97		8.85	8.96		9.09		8.79	8.81		8.87	
Mean	8.86	8.99	8.90	8.90	8.95	9.24	9.09	8.97	8.83	8.81	8.83	8.83	
Max	9.10	9.36	9.33	9.24	9.60	10.01	9.59	9.14	8.88	8.94	9.01	8.98	10.01
Min	8.73	8.81	8.82	8.80	8.80	8.99	8.95	8.88	8.79	8.78	8.79	8.79	8.73
Annual Max Momentary Gage Height	10.88		m. (MSL.) ,			at 22.00 Hours, on Aug 28, 2021							
Zero Gage at Bottom Elevation	8.10		m. (MSL.) ,			River Bed	8.60	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.30	3.00	4.35	2.20	2.50	4.65	5.10	4.65	2.80	2.10	2.10	1.90		
2	1.30	2.90	4.95	2.40	2.30	6.30	7.80	6.30	2.70	2.00	2.00	1.90		
3	1.40	2.70	3.60	2.20	2.40	6.15	3.75	6.60	2.70	2.00	1.90	2.90		
4	1.60	2.70	3.30	2.20	2.30	4.35	4.50	4.05	2.60	1.90	2.20	2.20		
5	1.70	2.50	3.45	2.20	2.30	4.35	4.65	4.95	2.60	1.90	2.30	2.00		
6	2.30	8.10	3.75	4.05	2.20	4.35	7.35	4.80	2.60	1.90	2.00	1.90		
7	2.50	8.55	3.00	8.10	2.30	10.00	5.10	4.20	2.50	1.90	2.00	1.90		
8	2.60	10.20	2.80	2.00	2.20	8.10	4.80	3.90	2.50	1.90	1.90	2.20		
9	2.00	5.85	2.60	2.00	2.20	7.05	14.80	4.35	2.40	1.80	1.90	2.00		
10	2.00	4.35	2.80	2.00	2.10	9.40	9.60	4.05	2.40	1.90	1.90	1.90		
11	2.00	4.05	2.70	2.50	2.10	5.25	5.25	4.50	2.40	1.90	2.10	1.90		
12	1.90	3.45	2.60	2.70	2.10	4.95	4.50	6.00	2.30	1.80	2.40	1.90		
13	2.00	3.30	2.60	2.80	2.10	5.10	4.20	4.05	2.30	1.80	2.20	1.90		
14	2.30	3.45	2.70	4.05	2.00	4.35	4.05	3.60	2.30	1.80	2.20	1.90		
15	2.20	4.50	2.50	8.10	3.00	13.80	4.05	3.30	2.20	1.80	3.45	2.00		
16	2.00	5.40	2.50	6.45	3.90	17.40	3.75	3.15	2.30	1.80	2.10	1.90		
17	1.80	4.05	2.40	4.20	2.50	12.80	7.65	2.90	2.20	1.90	2.90	1.90		
18	2.10	3.30	2.70	3.30	5.85	7.65	11.20	2.80	2.20	1.90	4.65	3.90		
19	3.90	3.60	2.60	3.00	4.95	6.30	5.55	3.15	2.10	1.80	2.80	4.20		
20	6.00	8.10	4.05	2.80	3.75	10.20	4.65	2.90	2.20	1.80	2.50	2.30		
21	4.35	4.95	9.60	2.90	3.60	23.75	5.70	4.50	2.10	3.60	2.80	3.60		
22	2.70	3.75	3.75	2.70	3.15	13.60	9.00	6.00	2.10	3.15	3.00	2.80		
23	2.80	3.30	2.80	2.90	3.15	13.60	5.55	4.05	2.10	2.80	2.30	3.30		
24	3.75	2.90	2.60	2.80	2.80	9.00	5.85	3.60	2.10	2.50	2.20	2.70		
25	3.15	4.20	2.50	2.80	2.80	7.20	6.75	3.30	2.10	2.20	2.10	2.20		
26	2.70	3.45	2.50	2.80	5.85	7.65	5.40	3.15	2.10	2.10	2.00	2.20		
27	2.90	3.15	2.40	2.70	13.40	6.15	4.35	2.90	2.20	2.20	2.00	2.10		
28	2.70	2.10	2.30	2.70	15.00	5.55	4.05	2.80	2.20	3.30	2.00	2.10		
29	5.70	3.60	2.20	2.60	12.80	8.70	3.90	3.15	2.00	2.20	2.20	2.10		
30	5.85	6.00	2.20	2.50	4.95	5.70	3.90	2.90	2.00	2.10		2.10		
31		4.05		2.50	3.90		5.85		1.90	2.10		2.70		
Total	81.50	135.50	94.80	99.15	126.45	253.40	182.60	120.55	71.20	65.85	65.90	72.50	1369.40	CMSDAY
Mean	2.72	4.37	3.16	3.20	4.08	8.45	5.89	4.02	2.30	2.12	2.35	2.34	3.75	CMS
Max	6.00	10.20	9.60	8.10	15.00	23.75	14.80	6.60	2.80	3.60	4.65	4.20	23.75	CMS
Min	1.30	2.10	2.20	2.00	2.00	4.35	3.75	2.80	1.90	1.80	1.90	1.90	1.30	CMS
Runoff	7.04	11.71	8.19	8.57	10.93	21.89	15.78	10.42	6.15	5.69	5.69	6.26	118.32	MCM
Momentary Peak	48.90 CMS, at 10.88 m. (MSL.), at 22.00 Hours, on Aug 28, 2021													
Runoff Yield	25.18 Liters/Second/Square KM.			Momentary Peak Yield 328.19 Liters/Second/Square KM.										

WATER YEAR : 2021**EAST COAST - GULF BASIN****Khlong Aeng at Ban Kho Lae , Trat (Z.45)**

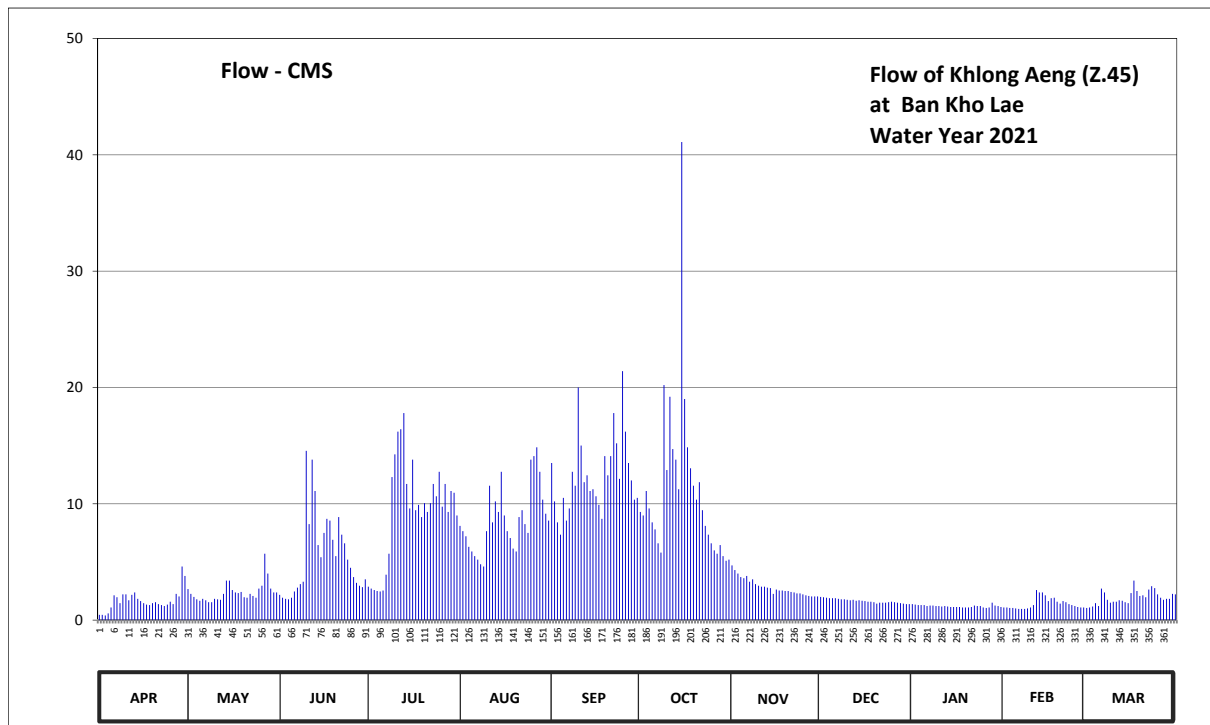
Lat 12 - 37 - 05 N Long 102 - 28 - 30 E

Location : on right bank near the highway bridge, Tambon Nong Bon.

	Ban Kho Lae	Amphoe Bo Rai	Changwat Trat
Drainage Area	61 sq.km.		
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 52 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	30.19	30.72	30.60	30.77	31.24	31.60	31.32	30.97	30.56	30.41	30.34	30.33	
2	30.19	30.62	30.54	30.73	31.21	31.38	31.30	30.93	30.55	30.40	30.34	30.34	
3	30.18	30.56	30.52	30.70	31.18	31.26	31.44	30.90	30.54	30.39	30.33	30.36	
4	30.22	30.51	30.51	30.68	31.12	31.19	31.34	30.87	30.53	30.39	30.33	30.43	
5	30.34	30.48	30.54	30.67	31.09	31.40	31.26	30.86	30.53	30.39	30.32	30.37	
6	30.59	30.52	30.67	30.69	31.05	31.27	31.22	30.88	30.53	30.37	30.31	30.73	
7	30.55	30.49	30.75	30.89	31.02	31.34	31.14	30.83	30.52	30.38	30.31	30.65	
8	30.43	30.45	30.81	31.07	30.98	31.55	31.08	30.85	30.51	30.38	30.31	30.50	
9	30.61	30.45	30.83	31.52	30.96	31.47	31.96	30.81	30.51	30.37	30.32	30.44	
10	30.61	30.52	31.67	31.65	31.21	31.95	31.56	30.79	30.50	30.37	30.34	30.46	
11	30.49	30.51	31.25	31.76	31.47	31.70	31.91	30.77	30.49	30.36	30.39	30.46	
12	30.60	30.50	31.62	31.77	31.26	31.49	31.68	30.77	30.50	30.37	30.70	30.49	
13	30.65	30.62	31.44	31.84	31.38	31.53	31.62	30.75	30.48	30.36	30.65	30.48	
14	30.52	30.84	31.13	31.48	31.32	31.44	31.45	30.74	30.49	30.35	30.65	30.45	
15	30.47	30.84	31.04	31.34	31.55	31.45	32.76	30.62	30.48	30.35	30.59	30.43	
16	30.43	30.70	31.20	31.62	31.30	31.41	31.90	30.71	30.47	30.35	30.47	30.64	
17	30.40	30.65	31.28	31.33	31.21	31.36	31.69	30.69	30.46	30.35	30.53	30.84	
18	30.39	30.64	31.27	31.36	31.17	31.28	31.57	30.69	30.46	30.34	30.54	30.68	
19	30.43	30.66	31.16	31.29	31.11	31.64	31.47	30.68	30.45	30.34	30.46	30.58	
20	30.45	30.55	31.05	31.37	31.09	31.53	31.39	30.68	30.42	30.34	30.42	30.59	
21	30.41	30.54	31.29	31.32	31.29	31.64	31.49	30.66	30.44	30.35	30.47	30.55	
22	30.39	30.62	31.19	31.37	31.33	31.84	31.33	30.65	30.44	30.38	30.45	30.71	
23	30.37	30.58	31.14	31.48	31.25	31.71	31.24	30.63	30.44	30.37	30.41	30.78	
24	30.40	30.54	31.02	31.41	31.20	31.51	31.19	30.63	30.45	30.37	30.39	30.74	
25	30.46	30.73	30.95	31.55	31.62	32.02	31.14	30.61	30.46	30.34	30.37	30.61	
26	30.41	30.79	30.87	31.35	31.64	31.76	31.10	30.59	30.45	30.33	30.35	30.54	
27	30.62	31.07	30.82	31.48	31.69	31.60	31.07	30.58	30.44	30.34	30.34	30.50	
28	30.57	30.90	30.79	31.32	31.55	31.50	31.13	30.57	30.43	30.44	30.34	30.52	
29	30.96	30.73	30.76	31.44	31.39	31.39	31.05	30.57	30.42	30.38		30.52	
30	30.88	30.65	30.85	31.43	31.31	31.40	31.01	30.57	30.41	30.37		30.62	
31		30.65		31.30	31.27		31.02		30.41	30.35		30.61	
Mean	30.47	30.63	30.99	31.29	31.27	31.52	31.41	30.73	30.48	30.37	30.42	30.55	
Max	30.96	31.07	31.67	31.84	31.69	32.02	32.76	30.97	30.56	30.44	30.70	30.84	32.76
Min	30.18	30.45	30.51	30.67	30.96	31.19	31.01	30.57	30.41	30.33	30.31	30.33	30.18
Annual Max Momentary Gage Height	34.28		m. (MSL.) ,				at 12.00 Hours, on Oct 15, 2021						
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.45	2.67	2.17	2.88	8.10	13.50	9.30	4.70	2.00	1.38	1.08	1.04		
2	0.45	2.25	1.92	2.71	7.65	10.20	9.00	4.30	1.96	1.33	1.08	1.08		
3	0.40	2.00	1.83	2.58	7.20	8.40	11.10	4.00	1.92	1.29	1.04	1.17		
4	0.58	1.79	1.79	2.50	6.30	7.35	9.60	3.70	1.88	1.29	1.04	1.46		
5	1.08	1.67	1.92	2.46	5.90	10.50	8.40	3.60	1.88	1.29	1.00	1.21		
6	2.13	1.83	2.46	2.54	5.50	8.55	7.80	3.80	1.88	1.21	0.96	2.71		
7	1.96	1.71	2.79	3.90	5.20	9.60	6.60	3.30	1.83	1.25	0.96	2.38		
8	1.46	1.54	3.10	5.70	4.80	12.75	5.80	3.50	1.79	1.25	0.96	1.75		
9	2.21	1.54	3.30	12.30	4.60	11.55	20.20	3.10	1.79	1.21	1.00	1.50		
10	2.21	1.83	14.55	14.25	7.65	20.00	12.90	2.96	1.75	1.21	1.08	1.58		
11	1.71	1.79	8.25	16.20	11.55	15.00	19.20	2.88	1.71	1.17	1.29	1.58		
12	2.17	1.75	13.80	16.40	8.40	11.85	14.70	2.88	1.75	1.21	2.58	1.71		
13	2.38	2.25	11.10	17.80	10.20	12.45	13.80	2.79	1.67	1.17	2.38	1.67		
14	1.83	3.40	6.45	11.70	9.30	11.10	11.25	2.75	1.71	1.13	2.38	1.54		
15	1.63	3.40	5.40	9.60	12.75	11.25	41.10	2.25	1.67	1.13	2.13	1.46		
16	1.46	2.58	7.50	13.80	9.00	10.65	19.00	2.63	1.63	1.13	1.63	2.33		
17	1.33	2.38	8.70	9.45	7.65	9.90	14.85	2.54	1.58	1.13	1.88	3.40		
18	1.29	2.33	8.55	9.90	7.05	8.70	13.05	2.54	1.58	1.08	1.92	2.50		
19	1.46	2.42	6.90	8.85	6.15	14.10	11.55	2.50	1.54	1.08	1.58	2.08		
20	1.54	1.96	5.50	10.05	5.90	12.45	10.35	2.50	1.42	1.08	1.42	2.13		
21	1.38	1.92	8.85	9.30	8.85	14.10	11.85	2.42	1.50	1.13	1.63	1.96		
22	1.29	2.25	7.35	10.05	9.45	17.80	9.45	2.38	1.50	1.25	1.54	2.63		
23	1.21	2.08	6.60	11.70	8.25	15.20	8.10	2.29	1.50	1.21	1.38	2.92		
24	1.33	1.92	5.20	10.65	7.50	12.15	7.35	2.29	1.54	1.21	1.29	2.75		
25	1.58	2.71	4.50	12.75	13.80	21.40	6.60	2.21	1.58	1.08	1.21	2.21		
26	1.38	2.96	3.70	9.75	14.10	16.20	6.00	2.13	1.54	1.04	1.13	1.92		
27	2.25	5.70	3.20	11.70	14.85	13.50	5.70	2.08	1.50	1.08	1.08	1.75		
28	2.04	4.00	2.96	9.30	12.75	12.00	6.45	2.04	1.46	1.50	1.08	1.83		
29	4.60	2.71	2.83	11.10	10.35	10.35	5.50	2.04	1.42	1.25		1.83		
30	3.80	2.38	3.50	10.95	9.15	10.50	5.10	2.04	1.38	1.21		2.25		
31		2.38		9.00	8.55		5.20		1.38	1.13		2.21		
Total	50.59	74.10	166.67	291.82	268.45	373.05	346.85	85.14	51.24	37.11	39.73	60.54	1845.29	CMSDAY
Mean	1.69	2.39	5.56	9.41	8.66	12.43	11.19	2.84	1.65	1.20	1.42	1.95	5.06	CMS
Max	4.60	5.70	14.55	17.80	14.85	21.40	41.10	4.70	2.00	1.50	2.58	3.40	41.10	CMS
Min	0.40	1.54	1.79	2.46	4.60	7.35	5.10	2.04	1.38	1.04	0.96	1.04	0.40	CMS
Runoff	4.37	6.40	14.40	25.21	23.19	32.23	29.97	7.36	4.43	3.21	3.43	5.23	159.43	MCM
Momentary Peak	130.80	CMS, at 34.28 m. (MSL.), at 12.00 Hours, on Oct 15, 2021												
Runoff Yield	82.88	Liters/Second/Square KM.					Momentary Peak Yield	2144.26	Liters/Second/Square KM.					

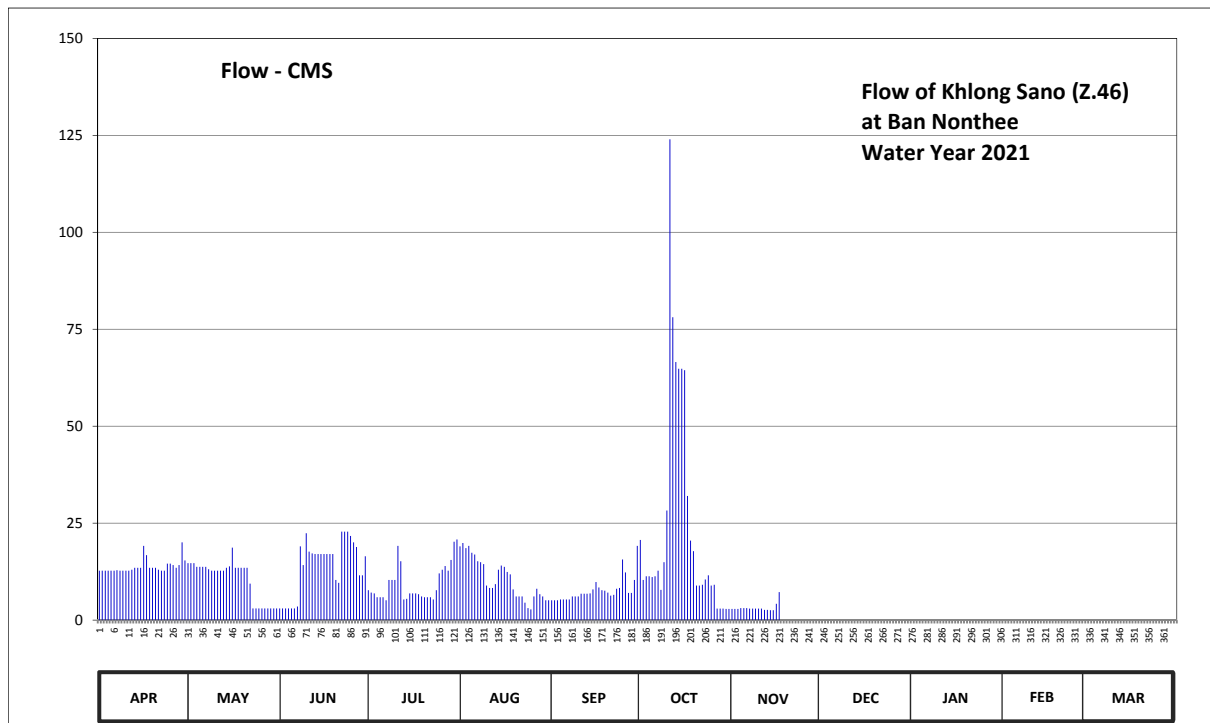
WATER YEAR : 2021
EAST COAST - GULF BASIN
Khlong Sano at Ban Nonthee , Trat (Z.46)
Lat 12 - 31 - 17 N Long 102 - 34 - 49 E

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 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	21.33	21.49	20.40	20.87	21.80	20.61	21.91	20.38	21.29	21.29	21.27	21.29	
2	21.33	21.49	20.40	20.81	21.86	20.61	21.13	20.38	21.29	21.29	21.27	21.29	
3	21.33	21.49	20.40	20.79	21.77	20.61	21.21	20.38	21.29	21.29	21.27	21.29	
4	21.33	21.41	20.40	20.69	21.81	20.63	21.21	20.41	21.29	21.29	21.27	21.29	
5	21.33	21.41	20.40	20.69	21.69	20.63	21.19	20.41	21.29	21.29	21.27	21.29	
6	21.33	21.41	20.40	20.69	21.66	20.63	21.21	20.41	21.29	21.29	21.27	21.29	
7	21.34	21.41	20.45	20.61	21.53	20.63	21.33	20.39	21.29	21.29	21.27	21.27	
8	21.33	21.36	21.80	21.13	21.51	20.71	20.88	20.39	21.29	21.29	21.27	21.27	
9	21.33	21.33	21.45	21.13	21.47	20.71	21.51	20.39	21.29	21.29	21.27	21.27	
10	21.33	21.33	22.02	21.13	20.99	20.71	22.31	20.39	21.29	21.29	21.28	21.27	
11	21.33	21.33	21.71	21.81	20.93	20.78	25.25	20.39	21.31	21.29	21.28	21.27	
12	21.35	21.33	21.68	21.53	20.93	20.78	23.96	20.33	21.31	21.29	21.28	21.27	
13	21.39	21.33	21.67	20.63	21.03	20.78	23.63	20.33	21.31	21.29	21.25	21.27	
14	21.39	21.39	21.67	20.65	21.35	20.79	23.58	20.31	21.31	21.29	21.25	21.27	
15	21.39	21.42	21.67	20.79	21.44	20.89	23.58	20.31	21.31	21.29	21.23	21.27	
16	21.81	21.78	21.67	20.79	21.41	21.08	23.57	20.52	21.31	21.29	21.23	21.29	
17	21.65	21.39	21.67	20.79	21.30	20.94	22.46	20.82	21.30	21.29	21.19	21.29	
18	21.39	21.39	21.67	20.77	21.25	20.87	21.90	21.28	21.30	21.32	21.18	21.29	
19	21.39	21.39	21.67	20.71	20.89	20.86	21.72	21.28	21.30	21.40	21.18	21.29	
20	21.39	21.39	21.13	20.69	20.71	20.81	20.99	21.23	21.29	21.40	21.18	21.29	
21	21.35	21.39	21.06	20.69	20.71	20.73	20.99	21.25	21.29	21.40	21.20	21.29	
22	21.33	21.04	22.04	20.69	20.71	20.75	21.01	21.25	21.29	21.40	21.29	21.29	
23	21.33	20.40	22.04	20.63	20.55	20.91	21.14	21.25	21.29	21.33	21.29	21.29	
24	21.48	20.40	22.04	20.87	20.41	20.93	21.23	21.25	21.29	21.33	21.29	21.29	
25	21.48	20.40	21.98	21.27	20.35	21.57	20.99	21.29	21.29	21.29	21.29	21.29	
26	21.45	20.40	21.87	21.35	20.71	21.29	21.01	21.29	21.29	21.28	21.29	21.29	
27	21.39	20.40	21.79	21.43	20.91	20.80	20.39	21.29	21.29	21.28	21.29	21.29	
28	21.45	20.40	21.23	21.33	20.77	20.80	20.39	21.29	21.29	21.28	21.29	21.29	
29	21.87	20.40	21.23	21.56	20.71	21.13	20.39	21.29	21.29	21.27		21.28	
30	21.55	20.40	21.63	21.88	20.61	21.81	20.38	21.29	21.29	21.27		21.28	
31		20.40		21.92	20.61		20.38		21.29	21.27		21.28	
Mean	21.42	21.11	21.37	21.01	21.11	20.86	21.70	20.78	21.29	21.30	21.26	21.28	
Max	21.87	21.78	22.04	21.92	21.86	21.81	25.25	21.29	21.31	21.40	21.29	21.29	25.25
Min	21.33	20.40	20.40	20.61	20.35	20.61	20.38	20.31	21.29	21.27	21.18	21.27	20.31
Annual Max Momentary Gage Height	25.64		m. (MSL.) ,			at 12.00 Hours, on Oct 11, 2021							
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	29.93		m. (MSL.) ,			Drainage Are 94	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	12.76	14.68	3.00	7.70	19.00	5.10	20.65	2.90	0.00	0.00	0.00	0.00		
2	12.76	14.68	3.00	7.10	19.90	5.10	10.36	2.90	0.00	0.00	0.00	0.00		
3	12.76	14.68	3.00	6.90	18.55	5.10	11.32	2.90	0.00	0.00	0.00	0.00		
4	12.76	13.72	3.00	5.90	19.15	5.30	11.32	3.10	0.00	0.00	0.00	0.00		
5	12.76	13.72	3.00	5.90	17.35	5.30	11.08	3.10	0.00	0.00	0.00	0.00		
6	12.76	13.72	3.00	5.90	16.90	5.30	11.32	3.10	0.00	0.00	0.00	0.00		
7	12.88	13.72	3.50	5.10	15.16	5.30	12.76	2.95	0.00	0.00	0.00	0.00		
8	12.76	13.12	19.00	10.36	14.92	6.10	7.80	2.95	0.00	0.00	0.00	0.00		
9	12.76	12.76	14.20	10.36	14.44	6.10	14.92	2.95	0.00	0.00	0.00	0.00		
10	12.76	12.76	22.40	10.36	8.90	6.10	28.25	2.95	0.00	0.00	0.00	0.00		
11	12.76	12.76	17.65	19.15	8.30	6.80	124.00	2.95	0.00	0.00	0.00	0.00		
12	13.00	12.76	17.20	15.16	8.30	6.80	78.10	2.65	0.00	0.00	0.00	0.00		
13	13.48	12.76	17.05	5.30	9.30	6.80	66.55	2.65	0.00	0.00	0.00	0.00		
14	13.48	13.48	17.05	5.50	13.00	6.90	64.80	2.55	0.00	0.00	0.00	0.00		
15	13.48	13.84	17.05	6.90	14.08	7.90	64.80	2.55	0.00	0.00	0.00	0.00		
16	19.15	18.70	17.05	6.90	13.72	9.80	64.45	4.20	0.00	0.00	0.00	0.00		
17	16.75	13.48	17.05	6.90	12.40	8.40	32.00	7.20	0.00	0.00	0.00	0.00		
18	13.48	13.48	17.05	6.70	11.80	7.70	20.50	0.00	0.00	0.00	0.00	0.00		
19	13.48	13.48	17.05	6.10	7.90	7.60	17.80	0.00	0.00	0.00	0.00	0.00		
20	13.48	13.48	10.36	5.90	6.10	7.10	8.90	0.00	0.00	0.00	0.00	0.00		
21	13.00	13.48	9.60	5.90	6.10	6.30	8.90	0.00	0.00	0.00	0.00	0.00		
22	12.76	9.40	22.80	5.90	6.10	6.50	9.10	0.00	0.00	0.00	0.00	0.00		
23	12.76	3.00	22.80	5.30	4.50	8.10	10.48	0.00	0.00	0.00	0.00	0.00		
24	14.56	3.00	22.80	7.70	3.10	8.30	11.56	0.00	0.00	0.00	0.00	0.00		
25	14.56	3.00	21.70	12.04	2.75	15.64	8.90	0.00	0.00	0.00	0.00	0.00		
26	14.20	3.00	20.05	13.00	6.10	12.28	9.10	0.00	0.00	0.00	0.00	0.00		
27	13.48	3.00	18.85	13.96	8.10	7.00	2.95	0.00	0.00	0.00	0.00	0.00		
28	14.20	3.00	11.56	12.76	6.70	7.00	2.95	0.00	0.00	0.00	0.00	0.00		
29	20.05	3.00	11.56	15.52	6.10	10.36	2.95	0.00	0.00	0.00	0.00	0.00		
30	15.40	3.00	16.45	20.20	5.10	19.15	2.90	0.00	0.00	0.00	0.00	0.00		
31		3.00		20.80	5.10		2.90		0.00	0.00		0.00		
Total	415.23	325.66	419.83	293.17	328.92	231.23	754.37	54.55	0.00	0.00	0.00	0.00	2822.96	CMSDAY
Mean	13.84	10.51	13.99	9.46	10.61	7.71	24.33	1.82	0.00	0.00	0.00	0.00	7.73	CMS
Max	20.05	18.70	22.80	20.80	19.90	19.15	124.00	7.20	0.00	0.00	0.00	0.00	124.00	CMS
Min	12.76	3.00	3.00	5.10	2.75	5.10	2.90	0.00	0.00	0.00	0.00	0.00	0.00	CMS
Runoff	35.88	28.14	36.27	25.33	28.42	19.98	65.18	4.71	0.00	0.00	0.00	0.00	243.90	MCM
Momentary Peak	CMS, at 25.64 m. (MSL.), at 12.00 Hours, on Oct 11, 2021													
Runoff Yield	82.28	Liters/Second/Square KM.			Momentary Peak Yield			1485.11	Liters/Second/Square KM.					

WATER YEAR : 2021**EAST COAST - GULF BASIN****Khlong Chanthi at Ban Khlong Khwang , Trat (Z.47A)**

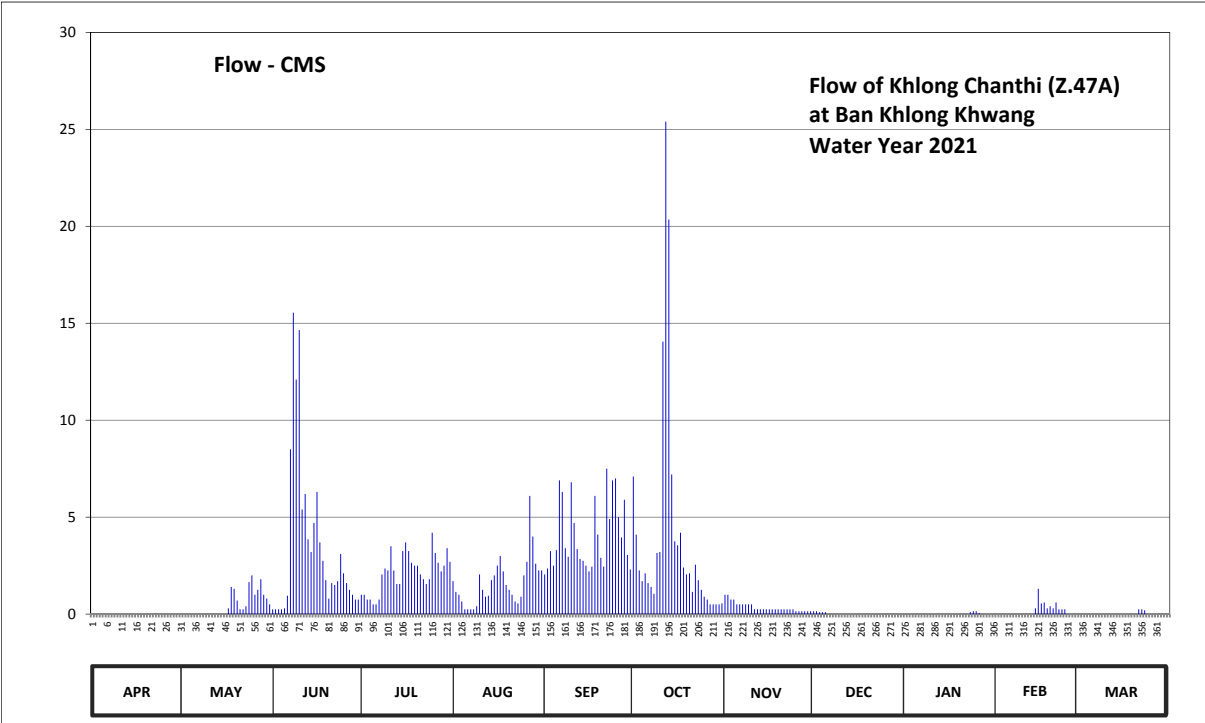
Lat 12 - 20 - 57 N Long 102 - 39 - 17 E

Location : on left bank at Ban Khlong Khwang, Tambon Tha Kum.

	Ban Khlong Khwang	Amphoe Mueang	Changwat Trat
Drainage Area	22 sq.km.		
Type of Gage	Staff gage		
Zero Gage at Bottom	+18.000 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 31 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	18.00	18.00	18.05	18.20	18.34	18.41	19.11	18.20	18.03	18.00	18.00	18.00	
2	18.00	18.00	18.05	18.20	18.23	18.47	18.81	18.20	18.03	18.00	18.00	18.00	
3	18.00	18.00	18.05	18.15	18.20	18.65	18.45	18.15	18.02	18.00	18.00	18.00	
4	18.00	18.00	18.05	18.15	18.13	18.50	18.34	18.15	18.02	18.00	18.00	18.00	
5	18.00	18.00	18.06	18.10	18.05	18.66	18.42	18.10	18.02	18.00	18.00	18.00	
6	18.00	18.00	18.19	18.10	18.05	19.09	18.32	18.10	18.00	18.00	18.00	18.00	
7	18.00	18.00	19.25	18.15	18.05	19.03	18.28	18.10	18.00	18.00	18.00	18.00	
8	18.00	18.00	19.77	18.41	18.05	18.68	18.21	18.10	18.00	18.00	18.00	18.00	
9	18.00	18.00	19.54	18.47	18.08	18.59	18.63	18.10	18.00	18.00	18.00	18.00	
10	18.00	18.00	19.71	18.45	18.41	19.08	18.64	18.10	18.00	18.00	18.00	18.00	
11	18.00	18.00	18.94	18.70	18.25	18.87	19.67	18.05	18.00	18.00	18.00	18.00	
12	18.00	18.00	19.02	18.45	18.18	18.67	20.37	18.05	18.00	18.00	18.00	18.00	
13	18.00	18.00	18.77	18.31	18.19	18.57	20.09	18.05	18.00	18.00	18.00	18.00	
14	18.00	18.00	18.64	18.31	18.35	18.55	19.12	18.05	18.00	18.00	18.06	18.00	
15	18.00	18.00	18.87	18.65	18.40	18.50	18.75	18.05	18.00	18.00	18.26	18.00	
16	18.00	18.00	19.03	18.74	18.50	18.44	18.71	18.05	18.00	18.00	18.11	18.00	
17	18.00	18.06	18.74	18.65	18.60	18.49	18.82	18.05	18.00	18.00	18.12	18.00	
18	18.00	18.28	18.55	18.53	18.44	19.01	18.48	18.05	18.00	18.00	18.06	18.00	
19	18.00	18.26	18.35	18.50	18.30	18.81	18.41	18.05	18.00	18.00	18.08	18.00	
20	18.00	18.14	18.16	18.50	18.25	18.58	18.42	18.05	18.00	18.00	18.06	18.00	
21	18.00	18.05	18.32	18.41	18.20	18.49	18.23	18.05	18.00	18.00	18.12	18.05	
22	18.00	18.05	18.30	18.36	18.13	19.15	18.51	18.05	18.00	18.00	18.05	18.05	
23	18.00	18.08	18.34	18.31	18.11	18.89	18.35	18.05	18.00	18.02	18.05	18.04	
24	18.00	18.33	18.62	18.36	18.18	19.09	18.25	18.05	18.00	18.03	18.05	18.00	
25	18.00	18.40	18.42	18.82	18.40	19.10	18.18	18.03	18.00	18.03	18.00	18.00	
26	18.00	18.20	18.32	18.63	18.54	18.90	18.15	18.03	18.00	18.01	18.00	18.00	
27	18.00	18.25	18.25	18.53	19.01	18.79	18.10	18.03	18.00	18.00	18.00	18.00	
28	18.00	18.36	18.20	18.44	18.80	18.99	18.10	18.03	18.00	18.00	18.00	18.00	
29	18.00	18.20	18.15	18.50	18.52	18.61	18.10	18.03	18.00	18.00		18.00	
30	18.00	18.16	18.15	18.68	18.45	18.46	18.10	18.03	18.00	18.00		18.00	
31		18.10		18.54	18.45		18.11		18.00	18.00		18.00	
Mean	18.00	18.09	18.56	18.43	18.32	18.74	18.59	18.07	18.00	18.00	18.04	18.00	
Max	18.00	18.40	19.77	18.82	19.01	19.15	20.37	18.20	18.03	18.03	18.26	18.05	20.37
Min	18.00	18.00	18.05	18.10	18.05	18.41	18.10	18.03	18.00	18.00	18.00	18.00	18.00
Annual Max Momentary Gage Height	21.43		m. (MSL.) ,			at 12.00 Hours, on Oct 12, 2021							
Zero Gage at Bottom Elevation		18.00	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.25	1.00	1.70	2.05	7.10	1.00	0.15	0.00	0.00	0.00		
2	0.00	0.00	0.25	1.00	1.15	2.35	4.10	1.00	0.15	0.00	0.00	0.00		
3	0.00	0.00	0.25	0.75	1.00	3.25	2.25	0.75	0.10	0.00	0.00	0.00		
4	0.00	0.00	0.25	0.75	0.65	2.50	1.70	0.75	0.10	0.00	0.00	0.00		
5	0.00	0.00	0.30	0.50	0.25	3.30	2.10	0.50	0.10	0.00	0.00	0.00		
6	0.00	0.00	0.95	0.50	0.25	6.90	1.60	0.50	0.00	0.00	0.00	0.00		
7	0.00	0.00	8.50	0.75	0.25	6.30	1.40	0.50	0.00	0.00	0.00	0.00		
8	0.00	0.00	15.55	2.05	0.25	3.40	1.05	0.50	0.00	0.00	0.00	0.00		
9	0.00	0.00	12.10	2.35	0.40	2.95	3.15	0.50	0.00	0.00	0.00	0.00		
10	0.00	0.00	14.65	2.25	2.05	6.80	3.20	0.50	0.00	0.00	0.00	0.00		
11	0.00	0.00	5.40	3.50	1.25	4.70	14.05	0.25	0.00	0.00	0.00	0.00		
12	0.00	0.00	6.20	2.25	0.90	3.35	25.40	0.25	0.00	0.00	0.00	0.00		
13	0.00	0.00	3.85	1.55	0.95	2.85	20.35	0.25	0.00	0.00	0.00	0.00		
14	0.00	0.00	3.20	1.55	1.75	2.75	7.20	0.25	0.00	0.00	0.30	0.00		
15	0.00	0.00	4.70	3.25	2.00	2.50	3.75	0.25	0.00	0.00	1.30	0.00		
16	0.00	0.00	6.30	3.70	2.50	2.20	3.55	0.25	0.00	0.00	0.55	0.00		
17	0.00	0.30	3.70	3.25	3.00	2.45	4.20	0.25	0.00	0.00	0.60	0.00		
18	0.00	1.40	2.75	2.65	2.20	6.10	2.40	0.25	0.00	0.00	0.30	0.00		
19	0.00	1.30	1.75	2.50	1.50	4.10	2.05	0.25	0.00	0.00	0.40	0.00		
20	0.00	0.70	0.80	2.50	1.25	2.90	2.10	0.25	0.00	0.00	0.30	0.00		
21	0.00	0.25	1.60	2.05	1.00	2.45	1.15	0.25	0.00	0.00	0.60	0.25		
22	0.00	0.25	1.50	1.80	0.65	7.50	2.55	0.25	0.00	0.00	0.25	0.25		
23	0.00	0.40	1.70	1.55	0.55	4.90	1.75	0.25	0.00	0.10	0.25	0.20		
24	0.00	1.65	3.10	1.80	0.90	6.90	1.25	0.25	0.00	0.15	0.25	0.00		
25	0.00	2.00	2.10	4.20	2.00	7.00	0.90	0.15	0.00	0.15	0.00	0.00		
26	0.00	1.00	1.60	3.15	2.70	5.00	0.75	0.15	0.00	0.05	0.00	0.00		
27	0.00	1.25	1.25	2.65	6.10	3.95	0.50	0.15	0.00	0.00	0.00	0.00		
28	0.00	1.80	1.00	2.20	4.00	5.90	0.50	0.15	0.00	0.00	0.00	0.00		
29	0.00	1.00	0.75	2.50	2.60	3.05	0.50	0.15	0.00	0.00	0.00	0.00		
30	0.00	0.80	0.75	3.40	2.25	2.30	0.50	0.15	0.00	0.00	0.00	0.00		
31		0.50		2.70	2.25		0.55		0.00	0.00		0.00		
Total	0.00	14.60	107.05	66.60	50.25	122.65	123.60	10.90	0.60	0.45	5.10	0.70	502.50	CMSDAY
Mean	0.00	0.47	3.57	2.15	1.62	4.09	3.99	0.36	0.02	0.01	0.18	0.02	1.38	CMS
Max	0.00	2.00	15.55	4.20	6.10	7.50	25.40	1.00	0.15	0.15	1.30	0.25	25.40	CMS
Min	0.00	0.00	0.25	0.50	0.25	2.05	0.50	0.15	0.00	0.00	0.00	0.00	0.00	CMS
Runoff	0.00	1.26	9.25	5.75	4.34	10.60	10.68	0.94	0.05	0.04	0.44	0.06	43.42	MCM
Momentary Peak	48.25 CMS, at 21.43 m. (MSL.), at 12.00 Hours, on Oct 12, 2021													
Runoff Yield	62.58 Liters/Second/Square KM. Momentary Peak Yield 2193.18 Liters/Second/Square KM.													

WATER YEAR : 2021**EAST COAST - GULF BASIN****Khlong Pran Bun at Ban Khlong Yai Tai , Chanthaburi (Z.52)**

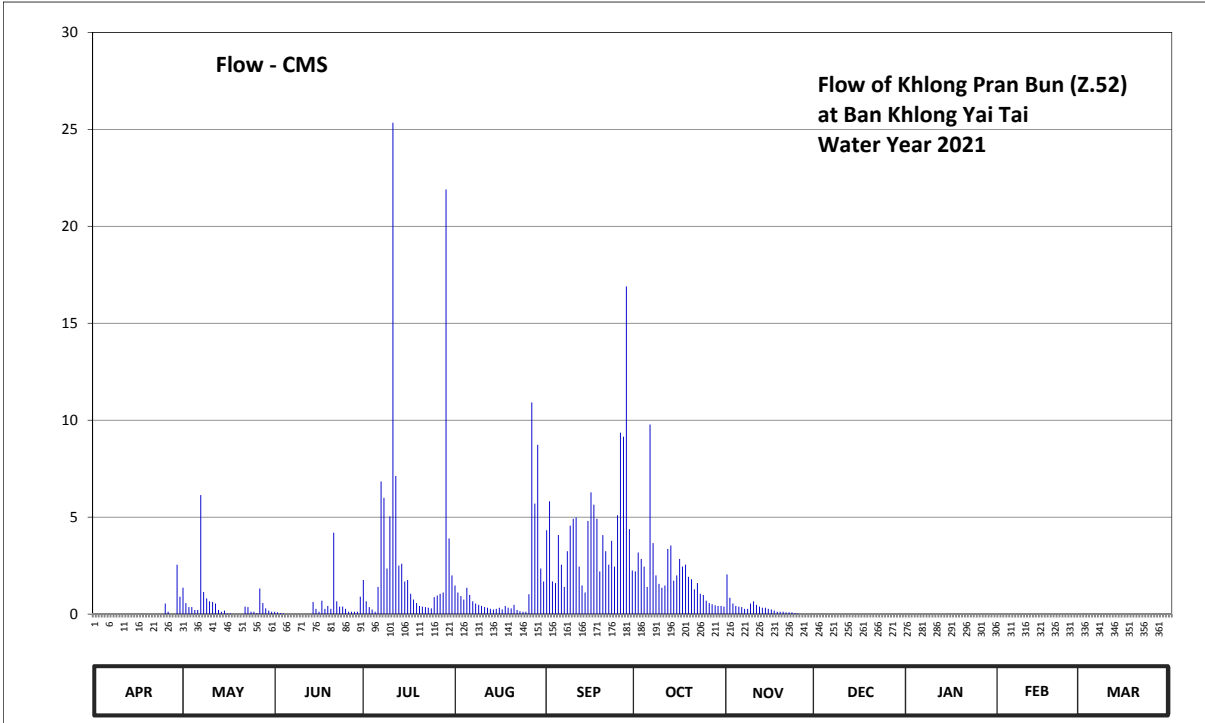
Lat 13 - 05 - 24 N Long 101 - 56 - 14 E

Location : on left bank at Ban Khlong Yai Tai.

	Ban	Khlong Yai Tai	Amphoe	Kaeng Hang Mao	Changwat	Chanthaburi
Drainage Area	60	sq.km.				
Type of Gage	Staff gage					
Zero Gage at Bottom	+37.740	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank at the abutment of the bridge.				Elevation	+42.415 m. (MSL.)
Gage Reading Frequency	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	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 20 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1		38.24	37.84	38.34	38.27	38.82	38.44	38.41	37.78				
2		37.99	37.83	38.02	38.17	39.07	38.63	38.08	37.77				
3		37.92	37.82	37.92	38.11	38.32	38.57	37.98	37.77				
4		37.92	37.81	37.88	38.05	38.30	38.49	37.94	37.77				
5		37.87	37.80	37.84	38.24	38.78	38.25	37.93	37.76				
6		37.87	37.79	38.25	38.13	38.51	39.64	37.92	37.76				
7		39.12	37.78	39.22	38.02	38.25	38.71	37.89	37.76				
8		38.18	37.78	39.10	37.98	38.64	38.40	37.89	37.76				
9		38.07	37.78	38.47	37.96	38.86	38.29	37.98	37.76				
10		38.02	37.78	38.94	37.94	38.92	38.24	38.02	37.76				
11		38.01	37.78	41.18	37.92	38.93	38.27	37.96	37.76				
12		37.98	37.78	39.26	37.91	38.49	38.66	37.93	37.76				
13		37.87	37.78	38.50	37.89	38.27	38.69	37.91	37.76				
14		37.84	38.01	38.52	37.88	38.17	38.33	37.91	37.76				
15		37.86	37.89	38.32	37.89	38.90	38.40	37.89	37.76				
16		37.81	37.84	38.34	37.91	39.14	38.57	37.88	37.76				
17		37.81	38.03	38.15	37.88	39.04	38.49	37.86	37.75				
18		37.80	37.89	38.05	37.94	38.92	38.51	37.84	37.75				
19		37.80	37.94	37.99	37.91	38.44	38.38	37.84	37.75				
20		37.80	37.89	37.94	37.90	38.78	38.35	37.84	37.75				
21		37.80	38.80	37.93	37.96	38.64	38.22	37.83	37.75				
22		37.93	38.02	37.92	37.87	38.51	38.30	37.83	37.75				
23		37.92	37.93	37.91	37.85	38.73	38.15	37.83	37.75				
24		37.84	37.93	37.90	37.84	38.49	38.13	37.82	37.75				
25	37.98	37.84	37.89	38.09	37.84	38.95	38.03	37.81	37.75				
26	37.84	37.82	37.84	38.12	38.14	39.58	37.99	37.80	37.75				
27	37.80	38.23	37.84	38.15	39.79	39.55	37.97	37.80					
28	37.77	37.99	37.84	38.17	39.05	40.45	37.95	37.79					
29	38.51	37.90	37.84	40.90	39.49	38.83	37.94	37.78					
30	38.10	37.86	38.10	38.75	38.47	38.45	37.94	37.78					
31		37.84		38.40	38.32		37.93						
Mean	38.00	37.96	37.90	38.47	38.15	38.79	38.35	37.90	37.76				
Max	38.51	39.12	38.80	41.18	39.79	40.45	39.64	38.41	37.78				41.18
Min	37.77	37.80	37.78	37.84	37.84	38.17	37.93	37.78	37.75				37.75
Annual Max Momentary Gage Height	41.54		m. (MSL.) ,			at 12.00 Hours, on Jul 11, 2021							
Zero Gage at Bottom Elevation		37.74	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1		1.36	0.12	1.76	1.48	4.32	2.20	2.05	0.00					
2		0.57	0.09	0.66	1.11	5.82	3.18	0.84	0.00					
3		0.36	0.06	0.36	0.93	1.68	2.85	0.54	0.00					
4		0.36	0.03	0.24	0.75	1.60	2.45	0.42	0.00					
5		0.21	0.00	0.12	1.36	4.08	1.40	0.39	0.00					
6		0.21	0.00	1.40	0.99	2.55	9.78	0.36	0.00					
7		6.14	0.00	6.84	0.66	1.40	3.66	0.27	0.00					
8		1.14	0.00	6.00	0.54	3.24	2.00	0.27	0.00					
9		0.81	0.00	2.35	0.48	4.56	1.56	0.54	0.00					
10		0.66	0.00	5.04	0.42	4.92	1.36	0.66	0.00					
11		0.63	0.00	25.34	0.36	4.98	1.48	0.48	0.00					
12		0.54	0.00	7.12	0.33	2.45	3.36	0.39	0.00					
13		0.21	0.00	2.50	0.27	1.48	3.54	0.33	0.00					
14		0.12	0.63	2.60	0.24	1.11	1.72	0.33	0.00					
15		0.18	0.27	1.68	0.27	4.80	2.00	0.27	0.00					
16		0.03	0.12	1.76	0.33	6.28	2.85	0.24	0.00					
17		0.03	0.69	1.05	0.24	5.64	2.45	0.18	0.00					
18		0.00	0.27	0.75	0.42	4.92	2.55	0.12	0.00					
19		0.00	0.42	0.57	0.33	2.20	1.92	0.12	0.00					
20		0.00	0.27	0.42	0.30	4.08	1.80	0.12	0.00					
21		0.00	4.20	0.39	0.48	3.24	1.28	0.09	0.00					
22		0.39	0.66	0.36	0.21	2.55	1.60	0.09	0.00					
23		0.36	0.39	0.33	0.15	3.78	1.05	0.09	0.00					
24		0.12	0.39	0.30	0.12	2.45	0.99	0.06	0.00					
25	0.54	0.12	0.27	0.87	0.12	5.10	0.69	0.03	0.00					
26	0.12	0.06	0.12	0.96	1.02	9.36	0.57	0.00	0.00					
27	0.00	1.32	0.12	1.05	10.92	9.15	0.51	0.00						
28	0.00	0.57	0.12	1.11	5.70	16.90	0.45	0.00						
29	2.55	0.30	0.12	21.90	8.73	4.38	0.42	0.00						
30	0.90	0.18	0.90	3.90	2.35	2.25	0.42	0.00						
31		0.12		2.00	1.68		0.39							
Total	4.11	17.10	10.26	101.73	43.29	131.27	62.48	9.28	0.00				379.52 CMSDAY	
Mean	0.69	0.55	0.34	3.28	1.40	4.38	2.02	0.31	0.00				1.54 CMS	
Max	2.55	6.14	4.20	25.34	10.92	16.90	9.78	2.05	0.00				25.34 CMS	
Min	0.00	0.00	0.00	0.12	0.12	1.11	0.39	0.00	0.00				0.00 CMS	
Runoff	0.36	1.48	0.89	8.79	3.74	11.34	5.40	0.80	0.00				32.79 MCM	
Momentary Peak		30.02	CMS, at 41.54 m. (MSL.), at 12.00 Hours, on Jul 11, 2021											
Runoff Yield		17.33	Liters/Second/Square KM.		Momentary Peak Yield		500.33	Liters/Second/Square KM.						

WATER YEAR : 2021

EAST COAST - GULF BASIN

Chanthaburi River at Ban Wang Cha Ai , Chanthaburi (Z.55)

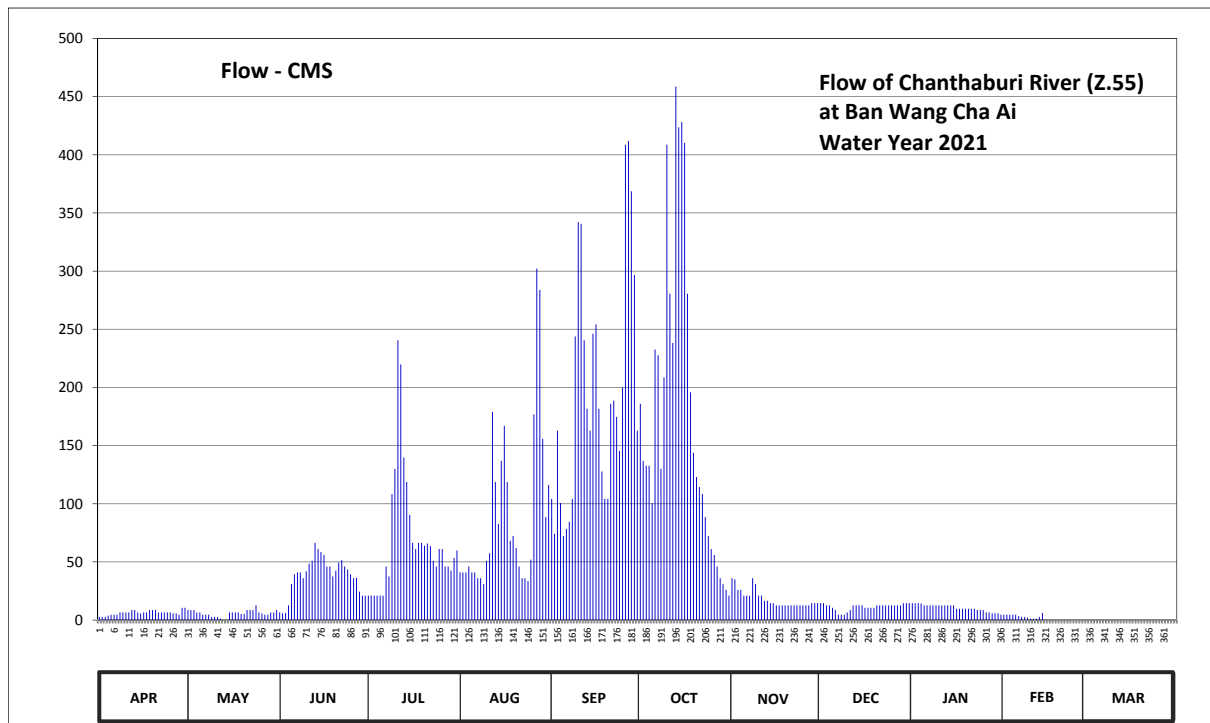
Lat 12 - 41 - 51 N Long 102 - 10 - 31 E

Location : on left bank at the bridge on highway.

	Ban Wang Cha Ai	Amphoe Makham	Changwat Chanthaburi
Drainage 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	Overbank flow starts at elevation + 8.560 m.(MSL.), records are channel flow only.		
General Description	Records very good. Stage-discharge relation defined by 11 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.29	2.44	2.39	2.74	3.14	4.27	5.47	3.04	2.59	2.59	2.34	3.04	
2	2.29	2.44	2.37	2.74	3.14	3.77	4.77	3.02	2.59	2.59	2.34	3.04	
3	2.29	2.44	2.38	2.74	3.14	5.14	4.71	2.84	2.54	2.59	2.34	3.04	
4	2.32	2.39	2.54	2.74	3.24	4.21	4.71	2.84	2.54	2.58	2.34	3.02	
5	2.34	2.39	2.94	2.74	3.14	3.74	4.21	2.74	2.49	2.54	2.34	3.02	
6	2.34	2.34	3.11	2.74	3.14	3.84	6.07	2.74	2.44	2.54	2.31	3.01	
7	2.34	2.34	3.14	3.24	3.04	3.94	6.01	2.74	2.34	2.54	2.29	3.03	
8	2.39	2.34	3.14	3.07	3.04	4.27	4.67	3.04	2.34	2.54	2.29	3.04	
9	2.39	2.29	3.04	4.34	2.94	6.21	5.77	2.94	2.34	2.54	2.27	3.04	
10	2.39	2.29	3.16	4.67	3.34	7.44	8.27	2.74	2.39	2.54	2.24	3.04	
11	2.39	2.29	3.29	6.17	3.47	7.42	6.67	2.74	2.44	2.54	2.24	3.04	
12	2.44	2.24	3.34	5.91	5.37	6.17	6.14	2.64	2.54	2.54	2.24	3.04	
13	2.44	2.19	3.64	4.81	4.51	5.41	8.83	2.64	2.54	2.54	2.29	2.74	
14	2.39	2.19	3.54	4.51	3.91	5.14	8.44	2.59	2.54	2.54	2.38	2.74	
15	2.37	2.39	3.49	4.04	4.77	6.24	8.49	2.59	2.54	2.54	2.84	2.64	
16	2.39	2.39	3.44	3.64	5.20	6.34	8.29	2.54	2.49	2.47	3.04	2.54	
17	2.39	2.39	3.24	3.54	4.51	5.41	6.67	2.54	2.49	2.47	2.97	2.54	
18	2.44	2.39	3.24	3.64	3.67	4.64	5.61	2.54	2.49	2.47	2.94	2.54	
19	2.44	2.36	3.07	3.64	3.74	4.27	4.87	2.54	2.49	2.47	2.94	2.54	
20	2.44	2.36	3.17	3.60	3.56	4.27	4.57	2.54	2.54	2.47	2.97	2.59	
21	2.39	2.44	3.31	3.63	3.24	5.47	4.44	2.54	2.54	2.47	2.99	2.59	
22	2.39	2.44	3.35	3.59	3.04	5.51	4.34	2.54	2.54	2.47	3.04	2.64	
23	2.39	2.44	3.24	3.34	3.04	5.31	4.01	2.54	2.54	2.44	3.04	2.64	
24	2.39	2.54	3.19	3.24	2.99	4.89	3.74	2.54	2.54	2.44	3.00	2.59	
25	2.39	2.39	3.11	3.54	3.36	5.66	3.54	2.54	2.54	2.44	2.99	2.59	
26	2.37	2.37	3.04	3.54	5.34	8.27	3.44	2.54	2.54	2.39	2.99	2.57	
27	2.37	2.34	3.05	3.24	6.94	8.31	3.24	2.54	2.54	2.39	2.99	2.54	
28	2.34	2.34	2.81	3.24	6.71	7.77	3.04	2.59	2.54	2.37	2.94	2.54	
29	2.49	2.39	2.74	3.17	5.04	6.87	2.94	2.59	2.59	2.37		2.53	
30	2.49	2.39	2.74	3.39	4.01	5.14	2.84	2.59	2.59	2.37		2.44	
31		2.44		3.52	4.47		2.74		2.59	2.34		2.39	
Mean	2.38	2.37	3.07	3.64	3.94	5.51	5.21	2.67	2.51	2.49	2.64	2.75	
Max	2.49	2.54	3.64	6.17	6.94	8.31	8.83	3.04	2.59	2.59	3.04	3.04	8.83
Min	2.29	2.19	2.37	2.74	2.94	3.74	2.74	2.54	2.34	2.34	2.24	2.39	2.19
Annual Max Momentary Gage Height	9.14		m. (MSL.) ,				at 18.00 Hours, on Oct 13, 2021						
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.70	8.60	6.60	21.00	41.00	104.20	185.90	36.00	14.60	14.60	4.60	0.00	
2	2.70	8.60	5.80	21.00	41.00	74.20	136.90	35.00	14.60	14.60	4.60	0.00	
3	2.70	8.60	6.20	21.00	41.00	162.80	132.70	26.00	12.60	14.60	4.60	0.00	
4	3.80	6.60	12.60	21.00	46.00	100.60	132.70	26.00	12.60	14.20	4.60	0.00	
5	4.60	6.60	31.00	21.00	41.00	72.40	100.60	21.00	10.60	12.60	4.60	0.00	
6	4.60	4.60	39.50	21.00	41.00	78.40	232.60	21.00	8.60	12.60	3.40	0.00	
7	4.60	4.60	41.00	46.00	36.00	84.40	227.80	21.00	4.60	12.60	2.70	0.00	
8	6.60	4.60	41.00	37.50	36.00	104.20	129.90	36.00	4.60	12.60	2.70	0.00	
9	6.60	2.70	36.00	108.40	31.00	243.80	208.60	31.00	4.60	12.60	2.10	0.00	
10	6.60	2.70	42.00	129.90	51.00	342.20	408.60	21.00	6.60	12.60	1.20	0.00	
11	6.60	2.70	48.50	240.60	57.50	340.60	280.60	21.00	8.60	12.60	1.20	0.00	
12	8.60	1.20	51.00	219.80	178.90	240.60	238.20	16.60	12.60	12.60	1.20	0.00	
13	8.60	0.00	66.40	139.70	118.70	181.70	458.70	16.60	12.60	12.60	2.70	0.00	
14	6.60	0.00	61.00	118.70	82.60	162.80	423.60	14.60	12.60	12.60	6.20	0.00	
15	5.80	6.60	58.50	90.40	136.90	246.20	428.10	14.60	12.60	12.60	0.00	0.00	
16	6.60	6.60	56.00	66.40	167.00	254.20	410.20	12.60	10.60	9.80	0.00	0.00	
17	6.60	6.60	46.00	61.00	118.70	181.70	280.60	12.60	10.60	9.80	0.00	0.00	
18	8.60	6.60	46.00	66.40	68.20	127.80	195.80	12.60	10.60	9.80	0.00	0.00	
19	8.60	5.40	37.50	66.40	72.40	104.20	143.90	12.60	10.60	9.80	0.00	0.00	
20	8.60	5.40	42.50	64.00	62.00	104.20	122.90	12.60	12.60	9.80	0.00	0.00	
21	6.60	8.60	49.50	65.80	46.00	185.90	114.40	12.60	12.60	9.80	0.00	0.00	
22	6.60	8.60	51.50	63.50	36.00	188.70	108.40	12.60	12.60	9.80	0.00	0.00	
23	6.60	8.60	46.00	51.00	36.00	174.70	88.60	12.60	12.60	8.60	0.00	0.00	
24	6.60	12.60	43.50	46.00	33.50	145.30	72.40	12.60	12.60	8.60	0.00	0.00	
25	6.60	6.60	39.50	61.00	52.00	199.80	61.00	12.60	12.60	8.60	0.00	0.00	
26	5.80	5.80	36.00	61.00	176.80	408.60	56.00	12.60	12.60	6.60	0.00	0.00	
27	5.80	4.60	36.50	46.00	302.20	411.90	46.00	12.60	12.60	6.60	0.00	0.00	
28	4.60	4.60	24.50	46.00	283.80	368.60	36.00	14.60	12.60	5.80	0.00	0.00	
29	10.60	6.60	21.00	42.50	155.80	296.60	31.00	14.60	14.60	5.80		0.00	
30	10.60	6.60	21.00	53.50	88.60	162.80	26.00	14.60	14.60	5.80		0.00	
31		8.60		60.00	116.20		21.00		14.60	4.60		0.00	
Total	191.10	181.10	1144.10	2177.50	2794.80	5854.10	5539.70	552.40	352.60	326.20	46.40	0.00	19160.00 CMSDAY
Mean	6.37	5.84	38.14	70.24	90.15	195.14	178.70	18.41	11.37	10.52	1.66	0.00	52.49 CMS
Max	10.60	12.60	66.40	240.60	302.20	411.90	458.70	36.00	14.60	14.60	6.20	0.00	458.70 CMS
Min	2.70	0.00	5.80	21.00	31.00	72.40	21.00	12.60	4.60	4.60	0.00	0.00	0.00 CMS
Runoff	16.51	15.65	98.85	188.14	241.47	505.79	478.63	47.73	30.46	28.18	4.01	0.00	1655.42 MCM
Momentary Peak	486.60 CMS, at 9.14 m. (MSL.), at 18.00 Hours, on Oct 13, 2021												
Runoff Yield	54.40	Liters/Second/Square KM.			Momentary Peak Yield			504.25	Liters/Second/Square KM.				

WATER YEAR : 2021**EAST COAST - GULF BASIN****Khlong Nak at Ban Bo Rai , Trat (Z.59)**

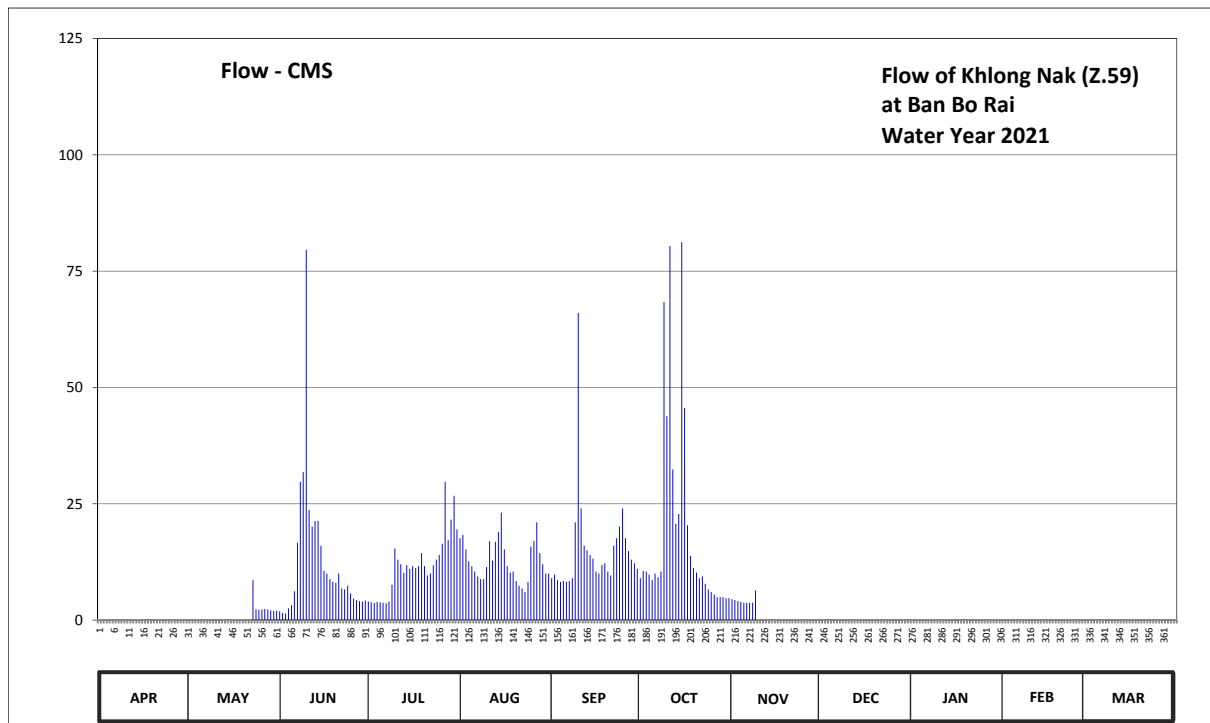
Lat 12 - 34 - 22 N Long 102 - 31 - 58 E

Location : on left bank at the bridge on highway.

	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 31 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	21.81	21.95	19.69	19.90	20.68	20.25	20.25	19.95	21.94	21.91	21.90	21.90	
2	21.78	21.95	19.65	19.88	20.71	20.29	20.33	19.93	21.94	21.91	21.90	21.90	
3	21.76	21.94	19.64	19.87	20.56	20.23	20.32	19.91	21.93	21.90	21.90	21.90	
4	21.75	21.93	19.75	19.89	20.43	20.21	20.29	19.89	21.93	21.90	21.90	21.90	
5	21.73	21.92	19.82	19.88	20.38	20.22	20.23	19.87	21.93	21.90	21.90	21.90	
6	21.75	21.91	20.11	19.87	20.32	20.21	20.30	19.87	21.93	21.90	21.90	21.90	
7	21.89	21.88	20.63	19.86	20.27	20.22	20.26	19.87	21.93	21.90	21.90	21.90	
8	21.89	21.87	21.09	19.90	20.24	20.25	20.32	19.87	21.93	21.90	21.90	21.90	
9	21.92	21.87	21.16	20.18	20.24	20.80	22.21	20.12	21.93	21.90	21.90	21.90	
10	21.91	21.87	22.49	20.57	20.37	22.15	21.56	21.88	21.92	21.90	21.90	21.89	
11	21.91	21.88	20.89	20.45	20.65	20.90	22.51	21.97	21.92	21.90	21.92	21.89	
12	21.91	21.88	20.77	20.40	20.44	20.60	21.18	21.97	21.92	21.90	21.93	21.89	
13	21.90	21.88	20.81	20.31	20.64	20.55	20.79	21.97	21.92	21.90	21.93	21.89	
14	21.90	21.88	20.81	20.39	20.73	20.50	20.86	21.97	21.92	21.90	21.94	21.89	
15	21.89	21.91	20.60	20.35	20.87	20.46	22.53	21.97	21.92	21.90	21.58	21.89	
16	21.89	21.90	20.33	20.38	20.56	20.32	21.62	21.96	21.91	21.90	21.11	21.90	
17	21.90	21.89	20.30	20.36	20.38	20.30	20.78	21.96	21.91	21.90	20.86	21.93	
18	21.90	21.88	20.24	20.38	20.31	20.39	20.49	21.96	21.91	21.90	20.86	21.90	
19	21.90	21.87	20.21	20.52	20.32	20.41	20.36	21.96	21.91	21.90	21.21	21.89	
20	21.92	21.87	20.20	20.38	20.22	20.32	20.31	21.96	21.91	21.91	21.70	21.91	
21	21.92	21.87	20.30	20.28	20.17	20.28	20.25	21.95	21.91	21.91	21.91	21.89	
22	21.91	21.60	20.14	20.30	20.14	20.60	20.27	21.95	21.91	21.91	21.91	21.89	
23	21.90	20.23	20.13	20.39	20.10	20.68	20.19	21.95	21.91	21.90	21.90	21.93	
24	21.89	19.73	20.17	20.45	20.21	20.77	20.13	21.95	21.91	21.90	21.90	21.92	
25	21.91	19.72	20.07	20.50	20.59	20.90	20.10	21.95	21.91	21.90	21.87	21.92	
26	21.90	19.73	19.96	20.62	20.65	20.68	20.05	21.95	21.91	21.90	21.90	21.91	
27	21.90	19.74	19.93	21.09	20.80	20.54	19.99	21.95	21.91	21.90	21.90	21.91	
28	21.91	19.73	19.91	20.66	20.52	20.45	19.99	21.94	21.91	21.90	21.87	21.91	
29	21.98	19.71	19.90	20.82	20.40	20.41	19.99	21.94	21.91	21.90		21.91	
30	21.94	19.70	19.92	20.99	20.30	20.35	19.97	21.94	21.91	21.90		21.91	
31		19.70		20.75	20.30		19.97		21.91	21.90		21.91	
Mean	21.88	21.27	20.32	20.34	20.44	20.51	20.59	21.34	21.92	21.90	21.76	21.90	
Max	21.98	21.95	22.49	21.09	20.87	22.15	22.53	21.97	21.94	21.91	21.94	21.93	22.53
Min	21.73	19.70	19.64	19.86	20.10	20.21	19.97	19.87	21.91	21.90	20.86	21.89	19.64
Annual Max Momentary Gage Height	23.42		m. (MSL.) ,			at 06.00 Hours, on Sep 10, 2021							
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					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	1.90	4.00	17.60	9.00	9.00	4.50	0.00	0.00	0.00	0.00		
2	0.00	0.00	1.50	3.80	18.30	9.80	10.60	4.30	0.00	0.00	0.00	0.00		
3	0.00	0.00	1.40	3.70	15.20	8.60	10.40	4.10	0.00	0.00	0.00	0.00		
4	0.00	0.00	2.50	3.90	12.60	8.20	9.80	3.90	0.00	0.00	0.00	0.00		
5	0.00	0.00	3.20	3.80	11.60	8.40	8.60	3.70	0.00	0.00	0.00	0.00		
6	0.00	0.00	6.20	3.70	10.40	8.20	10.00	3.70	0.00	0.00	0.00	0.00		
7	0.00	0.00	16.60	3.60	9.40	8.40	9.20	3.70	0.00	0.00	0.00	0.00		
8	0.00	0.00	29.70	4.00	8.80	9.00	10.40	3.70	0.00	0.00	0.00	0.00		
9	0.00	0.00	31.80	7.60	8.80	21.00	68.40	6.40	0.00	0.00	0.00	0.00		
10	0.00	0.00	79.60	15.40	11.40	66.00	43.80	0.00	0.00	0.00	0.00	0.00		
11	0.00	0.00	23.70	13.00	17.00	24.00	80.40	0.00	0.00	0.00	0.00	0.00		
12	0.00	0.00	20.10	12.00	12.80	16.00	32.40	0.00	0.00	0.00	0.00	0.00		
13	0.00	0.00	21.30	10.20	16.80	15.00	20.70	0.00	0.00	0.00	0.00	0.00		
14	0.00	0.00	21.30	11.80	18.90	14.00	22.80	0.00	0.00	0.00	0.00	0.00		
15	0.00	0.00	16.00	11.00	23.10	13.20	81.20	0.00	0.00	0.00	0.00	0.00		
16	0.00	0.00	10.60	11.60	15.20	10.40	45.60	0.00	0.00	0.00	0.00	0.00		
17	0.00	0.00	10.00	11.20	11.60	10.00	20.40	0.00	0.00	0.00	0.00	0.00		
18	0.00	0.00	8.80	11.60	10.20	11.80	13.80	0.00	0.00	0.00	0.00	0.00		
19	0.00	0.00	8.20	14.40	10.40	12.20	11.20	0.00	0.00	0.00	0.00	0.00		
20	0.00	0.00	8.00	11.60	8.40	10.40	10.20	0.00	0.00	0.00	0.00	0.00		
21	0.00	0.00	10.00	9.60	7.40	9.60	9.00	0.00	0.00	0.00	0.00	0.00		
22	0.00	0.00	6.80	10.00	6.80	16.00	9.40	0.00	0.00	0.00	0.00	0.00		
23	0.00	8.60	6.60	11.80	6.00	17.60	7.80	0.00	0.00	0.00	0.00	0.00		
24	0.00	2.30	7.40	13.00	8.20	20.10	6.60	0.00	0.00	0.00	0.00	0.00		
25	0.00	2.20	5.70	14.00	15.80	24.00	6.00	0.00	0.00	0.00	0.00	0.00		
26	0.00	2.30	4.60	16.40	17.00	17.60	5.50	0.00	0.00	0.00	0.00	0.00		
27	0.00	2.40	4.30	29.70	21.00	14.80	4.90	0.00	0.00	0.00	0.00	0.00		
28	0.00	2.30	4.10	17.20	14.40	13.00	4.90	0.00	0.00	0.00	0.00	0.00		
29	0.00	2.10	4.00	21.60	12.00	12.20	4.90	0.00	0.00	0.00	0.00	0.00		
30	0.00	2.00	4.20	26.70	10.00	11.00	4.70	0.00	0.00	0.00	0.00	0.00		
31		2.00		19.50	10.00		4.70		0.00	0.00		0.00		
Total	0.00	26.20	380.10	361.40	397.10	449.50	597.30	38.00	0.00	0.00	0.00	0.00	2249.60	CMSDAY
Mean	0.00	0.85	12.67	11.66	12.81	14.98	19.27	1.27	0.00	0.00	0.00	0.00	6.16	CMS
Max	0.00	8.60	79.60	29.70	23.10	66.00	81.20	6.40	0.00	0.00	0.00	0.00	81.20	CMS
Min	0.00	0.00	1.40	3.60	6.00	8.20	4.70	0.00	0.00	0.00	0.00	0.00	0.00	CMS
Runoff	0.00	2.26	32.84	31.22	34.31	38.84	51.61	3.28	0.00	0.00	0.00	0.00	194.37	MCM
Momentary Peak	122.00	CMS, at 23.42 m. (MSL.), at 06.00 Hours, on Sep 10, 2021												
Runoff Yield	66.99	Liters/Second/Square KM.				Momentary Peak Yield 1326.09				Liters/Second/Square KM.				

WATER YEAR : 2021**EAST COAST - GULF BASIN****Khlong Yai at Ban Khai , Rayong (Z.62)**

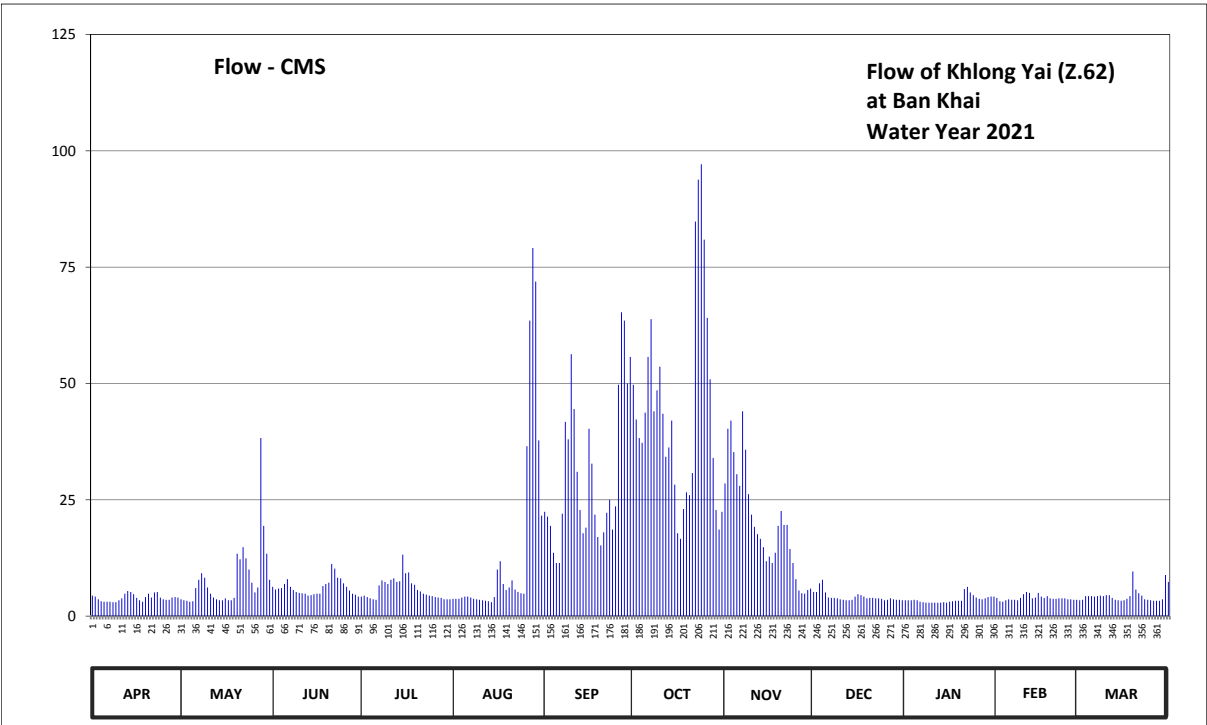
Lat 12 - 47 - 01 N Long 101 - 17 - 45 E

Location : on right bank at the bridge on highway.

	Ban Khai	Amphoe Ban Khai	Changwat Rayong
Drainage 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 19 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.94	5.86	6.12	5.92	5.87	6.97	8.09	7.26	6.02	5.84	5.89	5.84	
2	5.92	5.84	6.07	5.94	5.87	6.92	7.81	7.73	6.02	5.84	5.82	5.85	
3	5.86	5.83	6.09	5.91	5.87	6.82	7.65	7.80	6.17	5.84	5.81	5.93	
4	5.82	5.81	6.10	5.88	5.90	6.53	7.61	7.53	6.22	5.85	5.84	5.93	
5	5.81	5.82	6.16	5.86	5.92	6.42	7.87	7.34	6.01	5.84	5.86	5.93	
6	5.81	6.10	6.23	5.85	5.92	6.42	8.29	7.24	5.90	5.81	5.85	5.92	
7	5.81	6.22	6.12	6.14	5.90	6.95	8.56	7.88	5.89	5.80	5.85	5.93	
8	5.80	6.31	6.06	6.21	5.87	7.79	7.88	7.55	5.89	5.79	5.84	5.94	
9	5.80	6.25	6.02	6.19	5.86	7.64	8.05	7.16	5.88	5.79	5.89	5.93	
10	5.84	6.11	6.00	6.16	5.85	8.31	8.22	6.94	5.86	5.79	5.97	5.95	
11	5.88	5.98	5.99	6.22	5.84	7.90	7.86	6.81	5.85	5.79	6.02	5.95	
12	5.98	5.90	5.98	6.24	5.83	7.36	7.49	6.73	5.84	5.79	6.00	5.89	
13	6.04	5.86	5.94	6.19	5.82	6.99	7.57	6.68	5.84	5.79	5.88	5.85	
14	6.02	5.84	5.95	6.20	5.80	6.74	7.80	6.59	5.85	5.80	5.90	5.84	
15	5.97	5.84	5.97	6.51	5.91	6.80	7.25	6.44	5.92	5.79	6.00	5.83	
16	5.89	5.88	5.98	6.31	6.35	7.73	6.74	6.49	5.97	5.81	5.92	5.84	
17	5.84	5.84	5.98	6.32	6.44	7.43	6.68	6.42	5.95	5.82	5.89	5.87	
18	5.81	5.84	6.13	6.17	6.16	6.94	7.00	6.53	5.92	5.83	5.93	5.93	
19	5.91	5.89	6.16	6.15	6.06	6.70	7.18	6.82	5.88	5.83	5.88	6.33	
20	5.98	6.52	6.18	6.06	6.11	6.61	7.15	6.98	5.89	5.83	5.87	6.07	
21	5.90	6.46	6.41	6.03	6.21	6.75	7.35	6.83	5.89	6.08	5.87	5.99	
22	6.01	6.59	6.36	5.98	6.07	6.96	9.26	6.83	5.88	6.12	5.88	5.94	
23	6.02	6.47	6.25	5.96	6.02	7.10	9.56	6.57	5.88	6.01	5.88	5.86	
24	5.90	6.35	6.24	5.94	5.99	6.78	9.67	6.42	5.87	5.95	5.88	5.85	
25	5.86	6.18	6.17	5.93	5.98	7.03	9.13	6.23	5.84	5.90	5.86	5.84	
26	5.85	6.01	6.12	5.91	7.58	8.09	8.57	6.05	5.85	5.87	5.86	5.83	
27	5.85	6.11	6.05	5.90	8.55	8.61	8.13	5.99	5.88	5.86	5.85	5.83	
28	5.90	7.65	5.98	5.89	9.07	8.55	7.48	5.98	5.86	5.88	5.85	5.83	
29	5.91	6.82	5.96	5.86	8.83	8.10	6.99	6.06	5.85	5.91		5.86	
30	5.90	6.52	5.92	5.86	7.63	8.29	6.78	6.09	5.85	5.92		6.29	
31		6.22		5.86	6.93		6.97		5.84	5.92		6.19	
Mean	5.89	6.16	6.09	6.05	6.39	7.27	7.83	6.80	5.91	5.86	5.89	5.93	
Max	6.04	7.65	6.41	6.51	9.07	8.61	9.67	7.88	6.22	6.12	6.02	6.33	9.67
Min	5.80	5.81	5.92	5.85	5.80	6.42	6.68	5.98	5.84	5.79	5.81	5.83	5.79
Annual Max Momentary Gage Height	9.80		m. (MSL.) ,			at 03.00 Hours, on Oct 24, 2021							
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, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	4.40	3.60	6.30	4.20	3.70	22.40	49.70	28.50	5.20	3.40	3.90	3.40		
2	4.20	3.40	5.70	4.40	3.70	21.40	42.25	40.25	5.20	3.40	3.20	3.50		
3	3.60	3.30	5.90	4.10	3.70	19.40	38.25	42.00	7.05	3.40	3.10	4.30		
4	3.20	3.10	6.00	3.80	4.00	13.60	37.25	35.25	7.80	3.50	3.40	4.30		
5	3.10	3.20	6.90	3.60	4.20	11.40	43.75	30.50	5.10	3.40	3.60	4.30		
6	3.10	6.00	7.95	3.50	4.20	11.40	55.70	28.00	4.00	3.10	3.50	4.20		
7	3.10	7.80	6.30	6.60	4.00	22.00	63.80	44.00	3.90	3.00	3.50	4.30		
8	3.00	9.20	5.60	7.65	3.70	41.75	44.00	35.75	3.90	2.90	3.40	4.40		
9	3.00	8.25	5.20	7.35	3.60	38.00	48.50	26.20	3.80	2.90	3.90	4.30		
10	3.40	6.15	5.00	6.90	3.50	56.30	53.60	21.80	3.60	2.90	4.70	4.50		
11	3.80	4.80	4.90	7.80	3.40	44.50	43.50	19.20	3.50	2.90	5.20	4.50		
12	4.80	4.00	4.80	8.10	3.30	31.00	34.25	17.60	3.40	2.90	5.00	3.90		
13	5.40	3.60	4.40	7.35	3.20	22.80	36.25	16.60	3.40	2.90	3.80	3.50		
14	5.20	3.40	4.50	7.50	3.00	17.80	42.00	14.80	3.50	3.00	4.00	3.40		
15	4.70	3.40	4.70	13.20	4.10	19.00	28.25	11.80	4.20	2.90	5.00	3.30		
16	3.90	3.80	4.80	9.20	10.00	40.25	17.80	12.80	4.70	3.10	4.20	3.40		
17	3.40	3.40	4.80	9.40	11.80	32.75	16.60	11.40	4.50	3.20	3.90	3.70		
18	3.10	3.40	6.45	7.05	6.90	21.80	23.00	13.60	4.20	3.30	4.30	4.30		
19	4.10	3.90	6.90	6.75	5.60	17.00	26.60	19.40	3.80	3.30	3.80	9.60		
20	4.80	13.40	7.20	5.60	6.15	15.20	26.00	22.60	3.90	3.30	3.70	5.70		
21	4.00	12.20	11.20	5.30	7.65	18.00	30.75	19.60	3.90	5.80	3.70	4.90		
22	5.10	14.80	10.20	4.80	5.70	22.20	84.80	19.60	3.80	6.30	3.80	4.40		
23	5.20	12.40	8.25	4.60	5.20	25.00	93.80	14.40	3.80	5.10	3.80	3.60		
24	4.00	10.00	8.10	4.40	4.90	18.60	97.10	11.40	3.70	4.50	3.80	3.50		
25	3.60	7.20	7.05	4.30	4.80	23.60	80.90	7.95	3.40	4.00	3.60	3.40		
26	3.50	5.10	6.30	4.10	36.50	49.70	64.10	5.50	3.50	3.70	3.60	3.30		
27	3.50	6.15	5.50	4.00	63.50	65.30	50.90	4.90	3.80	3.60	3.50	3.30		
28	4.00	38.25	4.80	3.90	79.10	63.50	34.00	4.80	3.60	3.80	3.50	3.30		
29	4.10	19.40	4.60	3.60	71.90	50.00	22.80	5.60	3.50	4.10		3.60		
30	4.00	13.40	4.20	3.60	37.75	55.70	18.60	5.90	3.50	4.20		8.85		
31		7.80		3.60	21.60		22.40		3.40	4.20		7.35		
Total	118.30	247.80	184.50	180.25	434.35	911.35	1371.20	591.70	128.55	112.00	108.40	136.30	4524.70	CMSDAY
Mean	3.94	7.99	6.15	5.81	14.01	30.38	44.23	19.72	4.15	3.61	3.87	4.40	12.40	CMS
Max	5.40	38.25	11.20	13.20	79.10	65.30	97.10	44.00	7.80	6.30	5.20	9.60	97.10	CMS
Min	3.00	3.10	4.20	3.50	3.00	11.40	16.60	4.80	3.40	2.90	3.10	3.30	2.90	CMS
Runoff	10.22	21.41	15.94	15.57	37.53	78.74	118.47	51.12	11.11	9.68	9.37	11.78	390.93	MCM
Momentary Peak	101.00	CMS, at 9.80 m. (MSL.), at 03.00 Hours, on Oct 24, 2021												
Runoff Yield	10.14	Liters/Second/Square KM.		Momentary Peak Yield		82.65	Liters/Second/Square KM.							

WATER YEAR : 2021**EAST COAST - GULF BASIN****Khlong Wang Suan Luang at Ban Pra Gad , Chanthaburi (Z.63)**

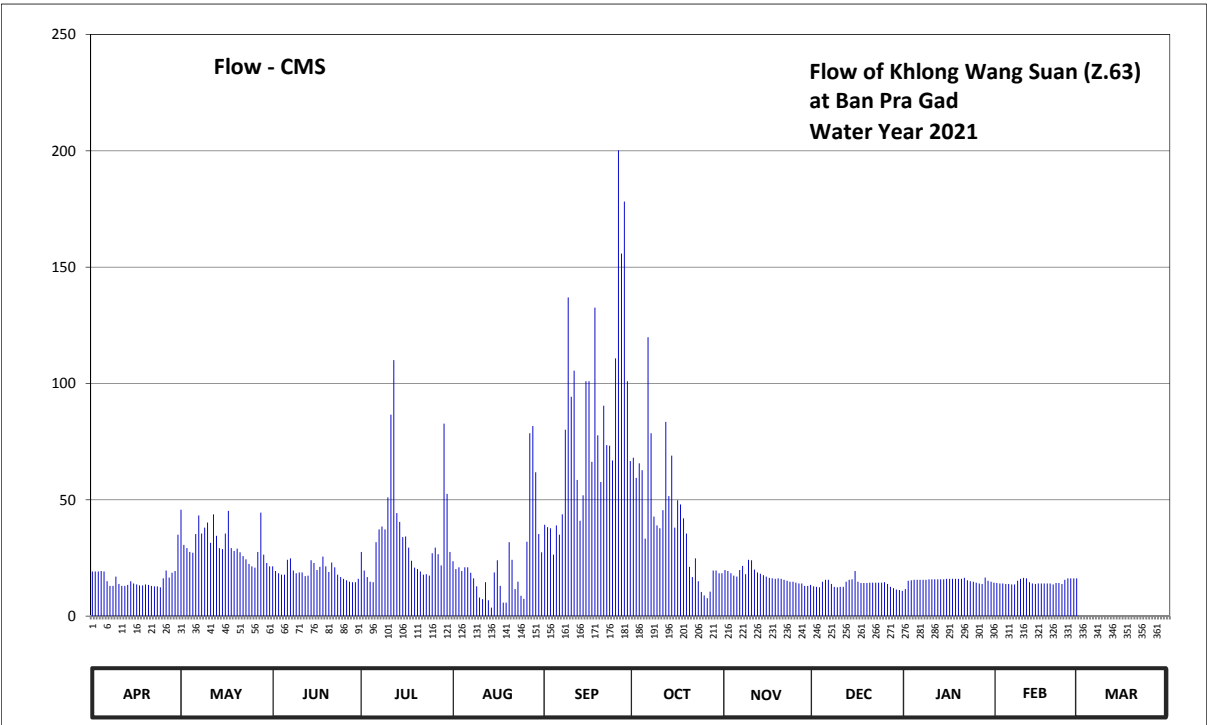
Lat 12 - 56 - 47 N Long 101 - 52 - 30 E

Location : on right bank at the bridge on highway.

	Ban	Pra Gad	Amphoe	Kaeng Hang Mao	Changwat	Chanthaburi
Drainage Area	1,125	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.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records very good. Stage-discharge relation defined by 23 discharge measurements made in 2021.					

Gage Height in Meter (A.D.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.61	2.79	1.72	2.03	1.83	2.53	3.57	1.64	1.29	1.23	1.36		
2	1.61	2.18	1.62	1.63	1.66	2.49	3.28	1.62	1.28	1.41	1.35		
3	1.61	2.11	1.57	1.49	1.70	2.47	3.49	1.57	1.27	1.42	1.35		
4	1.62	2.03	1.54	1.39	1.62	1.97	3.39	1.52	1.39	1.43	1.34		
5	1.61	2.01	1.54	1.38	1.70	2.52	2.29	1.50	1.43	1.43	1.34		
6	1.40	2.37	1.86	2.23	1.70	2.36	5.11	1.64	1.43	1.43	1.33		
7	1.30	2.69	1.89	2.45	1.58	2.71	3.92	1.73	1.34	1.43	1.33		
8	1.30	2.38	1.63	2.50	1.46	3.97	2.67	1.55	1.28	1.43	1.41		
9	1.50	2.48	1.57	2.45	1.29	5.55	2.52	1.86	1.27	1.44	1.45		
10	1.34	2.57	1.59	3.00	1.00	4.38	2.47	1.85	1.28	1.44	1.47		
11	1.30	2.22	1.59	4.16	0.95	4.70	2.78	1.65	1.28	1.44	1.46		
12	1.30	2.71	1.51	4.83	1.38	3.25	4.07	1.59	1.39	1.44	1.38		
13	1.32	2.34	1.52	2.73	0.92	2.60	3.02	1.56	1.43	1.44	1.35		
14	1.40	2.11	1.85	2.58	0.71	3.03	3.60	1.53	1.44	1.44	1.34		
15	1.35	2.09	1.79	2.32	1.59	4.57	2.48	1.50	1.62	1.45	1.35		
16	1.33	2.38	1.64	2.33	1.85	4.57	2.95	1.47	1.39	1.45	1.35		
17	1.31	2.77	1.71	2.12	1.30	3.51	2.88	1.46	1.36	1.45	1.35		
18	1.31	2.11	1.93	1.84	0.85	5.44	2.64	1.45	1.36	1.45	1.35		
19	1.33	2.05	1.72	1.69	0.85	3.89	2.38	1.46	1.36	1.45	1.35		
20	1.32	2.10	1.60	1.66	2.23	3.22	1.71	1.45	1.37	1.45	1.33		
21	1.30	2.02	1.80	1.61	1.86	4.27	1.49	1.43	1.37	1.47	1.36		
22	1.29	1.94	1.70	1.54	1.23	3.75	1.89	1.41	1.37	1.42	1.36		
23	1.29	1.87	1.54	1.55	1.39	3.74	1.40	1.39	1.37	1.40	1.34		
24	1.27	1.77	1.49	1.52	1.05	3.53	1.16	1.39	1.37	1.39	1.43		
25	1.46	1.72	1.45	2.00	0.96	4.85	1.06	1.37	1.38	1.37	1.46		
26	1.63	1.69	1.42	2.12	2.24	7.13	0.98	1.35	1.34	1.35	1.46		
27	1.48	2.03	1.39	1.98	3.92	6.02	1.17	1.35	1.28	1.34	1.46		
28	1.58	2.74	1.38	1.74	4.02	6.58	1.63	1.30	1.25	1.48	1.46		
29	1.62	1.97	1.38	4.05	3.36	4.57	1.63	1.30	1.22	1.41			
30	2.36	1.79	1.45	3.05	2.37	3.52	1.57	1.32	1.21	1.39			
31		1.72		2.03	2.02		1.57		1.19	1.37			
Mean	1.45	2.19	1.61	2.26	1.70	3.92	2.48	1.51	1.34	1.42	1.38		
Max	2.36	2.79	1.93	4.83	4.02	7.13	5.11	1.86	1.62	1.48	1.47		7.13
Min	1.27	1.69	1.38	1.38	0.71	1.97	0.98	1.30	1.19	1.23	1.33		0.71
Annual Max Momentary Gage Height	7.44		m. (A.D.) ,			at 18.00 Hours, on Sep 26, 2021							
Zero Gage at Bottom Elevation	0.00		m. (A.D.) ,			River Bed 1.47	m. (A.D.)						
Left Bank Elevation		11.17	m. (A.D.) ,										
Right Bank Elevation		11.15	m. (A.D.) ,			Drainage Are 1,125	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.20	45.75	21.40	27.60	23.60	39.25	68.10	19.80	12.80	11.60	14.20		
2	19.20	30.60	19.40	19.60	20.20	38.25	59.40	19.40	12.60	15.20	14.00		
3	19.20	29.20	18.40	16.80	21.00	37.75	65.70	18.40	12.40	15.40	14.00		
4	19.40	27.60	17.80	14.80	19.40	26.40	62.70	17.40	14.80	15.60	13.80		
5	19.20	27.20	17.80	14.60	21.00	39.00	33.25	17.00	15.60	15.60	13.80		
6	15.00	35.25	24.20	31.75	21.00	35.00	119.85	19.80	15.60	15.60	13.60		
7	13.00	43.25	24.80	37.25	18.60	43.75	78.60	21.60	13.80	15.60	13.60		
8	13.00	35.50	19.60	38.50	16.20	80.10	42.75	18.00	12.60	15.60	15.20		
9	17.00	38.00	18.40	37.25	12.80	137.00	39.00	24.20	12.40	15.80	16.00		
10	13.80	40.25	18.80	51.00	8.00	94.30	37.75	24.00	12.60	15.80	16.40		
11	13.00	31.50	18.80	86.60	7.25	105.50	45.50	20.00	12.60	15.80	16.20		
12	13.00	43.75	17.20	110.05	14.60	58.50	83.45	18.80	14.80	15.80	14.60		
13	13.40	34.50	17.40	44.25	6.80	41.00	51.60	18.20	15.60	15.80	14.00		
14	15.00	29.20	24.00	40.50	3.65	51.90	69.00	17.60	15.80	15.80	13.80		
15	14.00	28.80	22.80	34.00	18.80	100.95	38.00	17.00	19.40	16.00	14.00		
16	13.60	35.50	19.80	34.25	24.00	100.95	49.75	16.40	14.80	16.00	14.00		
17	13.20	45.25	21.20	29.40	13.00	66.30	48.00	16.20	14.20	16.00	14.00		
18	13.20	29.20	25.60	23.80	5.75	132.60	42.00	16.00	14.20	16.00	14.00		
19	13.60	28.00	21.40	20.80	5.75	77.70	35.50	16.20	14.20	16.00	14.00		
20	13.40	29.00	19.00	20.20	31.75	57.60	21.20	16.00	14.40	16.00	13.60		
21	13.00	27.40	23.00	19.20	24.20	90.45	16.80	15.60	14.40	16.40	14.20		
22	12.80	25.80	21.00	17.80	11.60	73.50	24.80	15.20	14.40	15.40	14.20		
23	12.80	24.40	17.80	18.00	14.80	73.20	15.00	14.80	14.40	15.00	13.80		
24	12.40	22.40	16.80	17.40	8.75	66.90	10.40	14.80	14.40	14.80	15.60		
25	16.20	21.40	16.00	27.00	7.40	110.75	8.90	14.40	14.60	14.40	16.20		
26	19.60	20.80	15.40	29.40	32.00	200.20	7.70	14.00	13.80	14.00	16.20		
27	16.60	27.60	14.80	26.60	78.60	155.80	10.55	14.00	12.60	13.80	16.20		
28	18.60	44.50	14.60	21.80	81.70	178.20	19.60	13.00	12.00	16.60	16.20		
29	19.40	26.40	14.60	82.75	61.80	100.95	19.60	13.00	11.40	15.20			
30	35.00	22.80	16.00	52.50	35.25	66.60	18.40	13.40	11.20	14.80			
31		21.40		27.60	27.40		18.40		10.85	14.40			
Total	479.80	972.20	577.80	1073.05	696.65	2480.35	1261.25	514.20	429.25	475.80	409.40	9369.75	CMSDAY
Mean	15.99	31.36	19.26	34.61	22.47	82.68	40.69	17.14	13.85	15.35	14.62	28.05	CMS
Max	35.00	45.75	25.60	110.05	81.70	200.20	119.85	24.20	19.40	16.60	16.40	200.20	CMS
Min	12.40	20.80	14.60	14.60	3.65	26.40	7.70	13.00	10.85	11.60	13.60	3.65	CMS
Runoff	41.45	84.00	49.92	92.71	60.19	214.30	108.97	44.43	37.09	41.11	35.37	809.55	MCM
Momentary Peak	212.60 CMS, at 7.44 m. (A.D.), at 18.00 Hours, on Sep 26, 2021												
Runoff Yield	22.82	Liters/Second/Square KM.		Momentary Peak Yield		188.98	Liters/Second/Square KM.						

WATER YEAR : 2021**EAST COAST - GULF BASIN****Chanthaburi River at Ban Tha Luang , Chanthaburi (Z.64)**

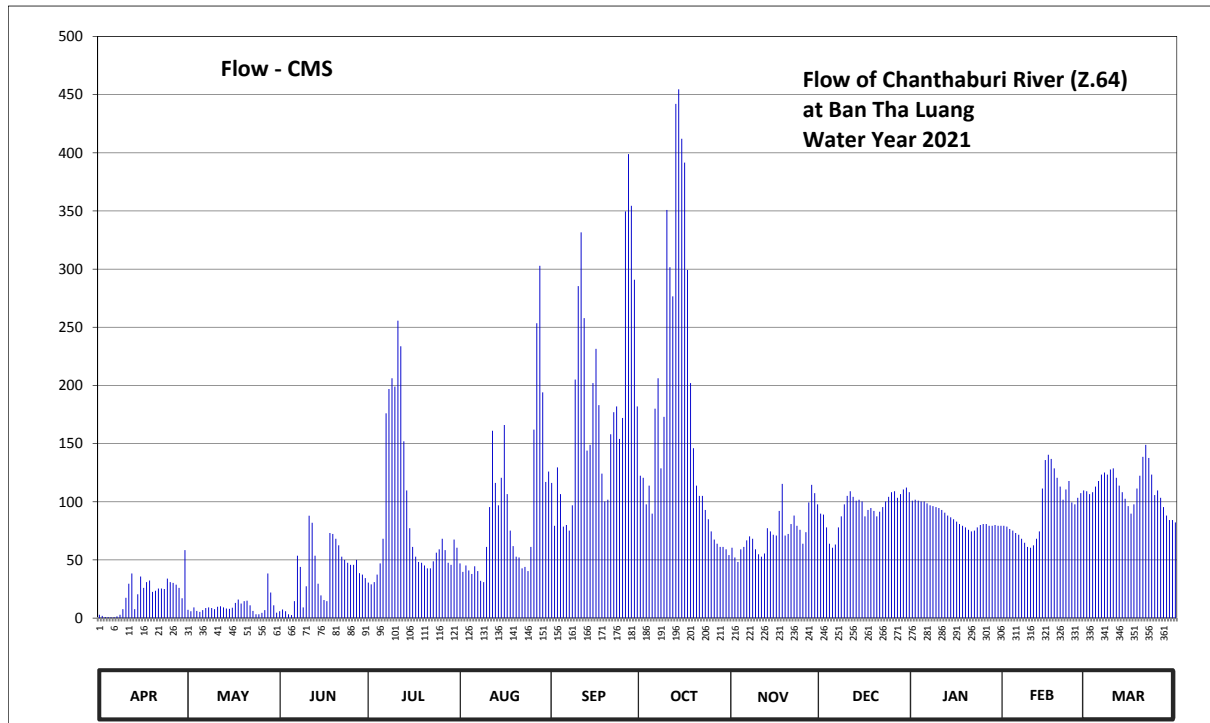
Lat 12 - 39 - 26 N Long 102 - 09 - 16 E

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	+9.000 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	Overbank flow starts at elevation + 7.490 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 28 discharge measurements made in 2021.		

Gage Height in Meter (A.D.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.15	3.37	3.33	3.07	3.35	4.29	4.36	3.55	3.96	4.10	3.82	4.20	
2	3.08	3.33	3.38	3.04	3.23	3.82	4.34	3.43	3.95	4.11	3.81	4.17	
3	3.01	3.44	3.33	3.08	3.32	4.44	4.06	3.37	3.80	4.10	3.78	4.19	
4	2.95	3.34	3.18	3.19	3.25	4.17	4.26	3.53	3.60	4.09	3.76	4.25	
5	2.94	3.31	3.13	3.35	3.20	3.81	3.96	3.56	3.55	4.09	3.73	4.31	
6	2.95	3.36	3.57	3.66	3.31	3.83	4.96	3.64	3.59	4.07	3.71	4.37	
7	3.05	3.42	4.11	4.92	3.24	3.76	5.22	3.69	3.80	4.05	3.66	4.39	
8	3.15	3.44	4.02	5.13	3.10	4.05	4.43	3.66	3.93	4.04	3.61	4.37	
9	3.39	3.42	3.44	5.22	3.08	5.21	4.89	3.53	4.06	4.03	3.56	4.42	
10	3.63	3.39	3.82	5.15	3.56	5.94	6.49	3.47	4.15	4.02	3.55	4.43	
11	3.85	3.46	4.30	5.67	4.03	6.33	6.08	3.44	4.20	4.00	3.58	4.34	
12	3.96	3.47	4.27	5.47	4.77	5.69	5.86	3.48	4.14	3.97	3.66	4.26	
13	3.39	3.44	4.11	4.68	4.29	4.60	7.25	3.79	4.10	3.94	3.75	4.19	
14	3.69	3.41	3.85	4.21	4.05	4.65	7.35	3.75	4.11	3.92	4.23	4.12	
15	3.93	3.40	3.67	3.79	4.34	5.18	7.00	3.71	4.09	3.90	4.51	4.04	
16	3.80	3.43	3.59	3.56	4.82	5.45	6.83	3.70	3.93	3.87	4.56	3.96	
17	3.87	3.54	3.57	3.44	4.17	4.99	6.06	3.99	4.00	3.84	4.52	4.06	
18	3.89	3.60	3.73	3.37	3.76	4.38	5.18	4.28	4.02	3.82	4.43	4.23	
19	3.73	3.53	3.72	3.36	3.57	4.09	4.62	3.70	3.99	3.80	4.34	4.36	
20	3.75	3.57	3.66	3.32	3.44	4.11	4.26	3.72	3.93	3.77	4.25	4.54	
21	3.79	3.58	3.58	3.28	3.43	4.74	4.15	3.84	3.98	3.75	4.11	4.65	
22	3.79	3.50	3.44	3.28	3.28	4.93	4.15	3.94	4.03	3.76	4.22	4.53	
23	3.78	3.34	3.40	3.38	3.30	4.98	4.00	3.82	4.09	3.80	4.31	4.37	
24	3.91	3.18	3.36	3.49	3.24	4.70	3.90	3.77	4.14	3.83	4.08	4.16	
25	3.87	3.18	3.33	3.53	3.56	4.88	3.75	3.60	4.19	3.84	4.06	4.21	
26	3.86	3.27	3.33	3.66	4.78	6.48	3.65	3.74	4.20	3.84	4.13	4.13	
27	3.84	3.36	3.40	3.52	5.65	6.89	3.60	4.08	4.13	3.82	4.18	4.03	
28	3.80	3.96	3.21	3.36	6.09	6.52	3.56	4.27	4.17	3.82	4.21	3.94	
29	3.62	3.72	3.19	3.33	5.10	5.99	3.56	4.18	4.22	3.83		3.89	
30	4.14	3.50	3.14	3.65	4.30	4.98	3.53	4.06	4.24	3.82		3.89	
31		3.28		3.55	4.40		3.46		4.19	3.82		3.86	
Mean	3.59	3.44	3.57	3.83	3.90	4.93	4.80	3.74	4.02	3.92	4.00	4.22	
Max	4.14	3.96	4.30	5.67	6.09	6.89	7.35	4.28	4.24	4.11	4.56	4.65	7.35
Min	2.94	3.18	3.13	3.04	3.08	3.76	3.46	3.37	3.55	3.75	3.55	3.86	2.94
Annual Max Momentary Gage Height	7.62		m. (A.D.) ,			at 23.00 Hours, on Oct 13, 2021							
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.90	7.10	5.90	30.50	47.00	116.20	122.40	60.50	89.80	101.00	79.40	109.00		
2	1.92	5.90	7.40	29.00	39.80	79.40	120.60	52.10	89.00	101.80	78.70	106.60		
3	0.94	9.20	5.90	31.00	45.20	129.60	97.80	48.20	78.00	101.00	76.60	108.20		
4	0.75	6.20	3.32	37.40	41.00	106.60	113.80	59.10	64.00	100.20	75.20	113.00		
5	0.74	5.30	2.62	47.00	38.00	78.70	89.80	61.20	60.50	100.20	73.10	117.90		
6	0.75	6.80	14.50	68.20	44.60	80.10	180.00	66.80	63.30	98.60	71.70	123.30		
7	1.50	8.60	53.60	176.00	40.40	75.20	206.20	70.30	78.00	97.00	68.20	125.10		
8	2.90	9.20	44.00	197.00	32.00	97.00	128.70	68.20	87.40	96.20	64.70	123.30		
9	7.70	8.60	9.20	206.20	31.00	205.10	173.00	59.10	97.80	95.40	61.20	127.80		
10	17.50	7.70	27.40	199.00	61.20	285.40	350.80	54.90	105.00	94.60	60.50	128.70		
11	29.50	9.80	88.00	255.70	95.40	331.60	301.60	52.80	109.00	93.00	62.60	120.60		
12	38.40	10.10	82.00	233.70	161.00	257.90	276.60	55.60	104.20	90.60	68.20	113.80		
13	7.70	9.20	53.60	152.00	116.20	144.00	442.00	77.30	101.00	88.20	74.50	108.20		
14	20.50	8.30	29.50	109.80	97.00	149.00	454.50	74.50	101.80	86.60	111.40	102.60		
15	35.70	8.00	19.50	77.30	120.60	202.00	412.00	71.70	100.20	85.00	135.90	96.20		
16	26.00	8.90	15.50	61.20	166.00	231.50	391.60	71.00	87.40	82.90	140.40	89.80		
17	30.90	13.00	14.50	52.80	106.60	183.00	299.20	92.20	93.00	80.80	136.80	97.80		
18	32.30	16.00	73.10	48.20	75.20	124.20	202.00	115.40	94.60	79.40	128.70	111.40		
19	22.50	12.50	72.40	47.60	61.90	100.20	146.00	71.00	92.20	78.00	120.60	122.40		
20	23.50	14.50	68.20	45.20	52.80	101.80	113.80	72.40	87.40	75.90	113.00	138.60		
21	25.50	15.00	62.60	42.80	52.10	158.00	105.00	80.80	91.40	74.50	101.80	149.00		
22	25.50	11.00	52.80	42.80	42.80	177.00	105.00	88.20	95.40	75.20	110.60	137.70		
23	25.00	6.20	50.00	48.80	44.00	182.00	93.00	79.40	100.20	78.00	117.90	123.30		
24	33.90	3.32	47.60	56.30	40.40	154.00	85.00	75.90	104.20	80.10	99.40	105.80		
25	30.90	3.32	45.80	59.10	61.20	172.00	74.50	64.00	108.20	80.80	97.80	109.80		
26	30.20	4.58	45.80	68.20	162.00	349.60	67.50	73.80	109.00	80.80	103.40	103.40		
27	28.80	6.80	50.00	58.40	253.50	398.80	64.00	99.40	103.40	79.40	107.40	95.40		
28	26.00	38.40	38.60	47.60	302.80	354.40	61.20	114.60	106.60	79.40	109.80	88.20		
29	17.00	22.00	37.40	45.80	194.00	290.90	61.20	107.40	110.60	80.10		84.30		
30	58.40	11.00	34.40	67.50	117.00	182.00	59.10	97.80	112.20	79.40		84.30		
31		4.72		60.50	126.00		54.20		108.20	79.40		82.20		
Total	605.80	311.24	1155.14	2702.60	2868.70	5497.20	5452.10	2235.60	2933.00	2693.50	2649.50	3447.70	32552.08	CMSDAY
Mean	20.19	10.04	38.50	87.18	92.54	183.24	175.87	74.52	94.61	86.89	94.63	111.22	89.18	CMS
Max	58.40	38.40	88.00	255.70	302.80	398.80	454.50	115.40	112.20	101.80	140.40	149.00	454.50	CMS
Min	0.74	3.32	2.62	29.00	31.00	75.20	54.20	48.20	60.50	74.50	60.50	82.20	0.74	CMS
Runoff	52.34	26.89	99.80	233.50	247.86	474.96	471.06	193.16	253.41	232.72	228.92	297.88	2812.50	MCM
Momentary Peak	489.60 CMS, at 7.62 m. (A.D.), at 23.00 Hours, on Oct 13, 2021													
Runoff Yield	90.82	Liters/Second/Square KM.				Momentary Peak Yield		498.57	Liters/Second/Square KM.					

WATER YEAR : 2021

PHETCHABURI - PRACHUAP KHIRI KHAN

Phetchaburi River at Ban Song Phi Nong , Phetchaburi (B.3A)

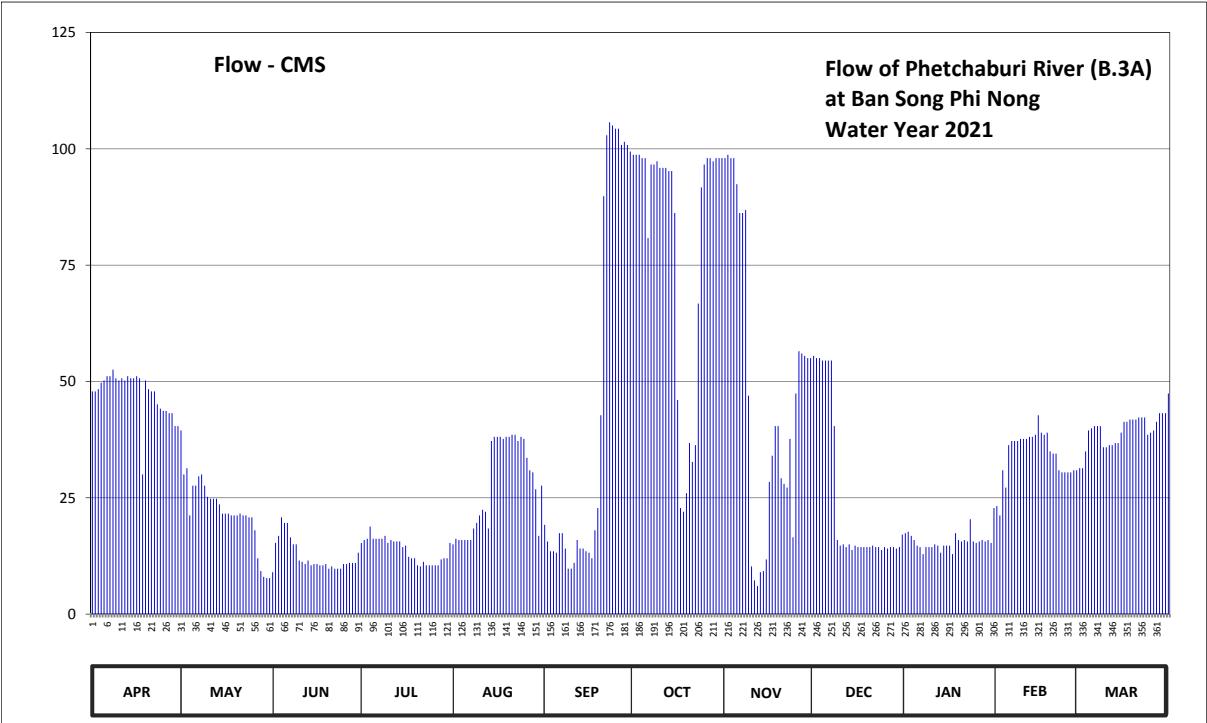
Lat 12 - 51 - 49 N Long 99 - 40 - 42 E

Location : on left bank at Ban Song Phi Nong.

	Ban Song Phi Nong	Amphoe Kaeng Krachan	Changwat Phetchaburi
Drainage Area	2,226 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+41.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank about 24 meters from the top staff gage.		Elevation +49.188 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	1930 - 1942 , 1954 to date		
Rating Operation			
Period of Rating	1954 - 1959 , 1968 to date		
Rated by Float	-		
Rated by Current Meter	1954 - 1959 , 1968 to date		
Stability of Channel Regimes	Stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Flow regulated by Kaeng Krachan Reservoir. Stage-discharge relation defined by 34 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	42.69	42.51	41.68	41.91	41.90	42.03	43.61	43.60	42.85	41.98	42.13	42.33	
2	42.69	42.30	41.91	41.93	41.94	41.92	43.61	43.61	42.84	41.99	42.08	42.33	
3	42.70	42.33	41.96	41.94	41.93	41.85	43.61	43.60	42.84	41.96	42.32	42.41	
4	42.73	42.08	42.07	42.02	41.93	41.85	43.60	43.60	42.83	41.93	42.23	42.51	
5	42.74	42.24	42.04	41.94	41.93	41.84	43.60	43.52	42.83	41.89	42.44	42.52	
6	42.76	42.24	42.04	41.94	41.93	41.98	43.33	43.42	42.83	41.88	42.46	42.53	
7	42.76	42.29	41.95	41.94	41.93	41.98	43.58	43.42	42.83	41.83	42.46	42.53	
8	42.79	42.30	41.90	41.94	42.01	41.87	43.58	43.43	42.53	41.88	42.46	42.53	
9	42.75	42.24	41.90	41.96	42.04	41.71	43.59	42.67	41.93	41.88	42.47	42.43	
10	42.74	42.18	41.78	41.91	42.08	41.71	43.57	41.73	41.89	41.88	42.47	42.43	
11	42.75	42.17	41.77	41.93	42.11	41.76	43.57	41.61	41.90	41.90	42.47	42.44	
12	42.74	42.17	41.75	41.92	42.10	41.93	43.57	41.56	41.88	41.89	42.48	42.44	
13	42.76	42.17	41.78	41.92	42.01	41.87	43.56	41.68	41.90	41.84	42.48	42.45	
14	42.75	42.14	41.74	41.92	42.46	41.87	43.56	41.69	41.86	41.89	42.49	42.45	
15	42.75	42.09	41.75	41.88	42.48	41.85	43.42	41.79	41.89	41.89	42.58	42.50	
16	42.76	42.09	41.75	41.89	42.48	41.84	42.65	42.26	41.88	41.89	42.50	42.55	
17	42.75	42.09	41.74	41.81	42.48	41.80	42.12	42.39	41.88	41.83	42.49	42.55	
18	42.30	42.08	41.74	41.80	42.47	42.00	42.10	42.53	41.88	41.98	42.50	42.56	
19	42.74	42.08	41.75	41.80	42.48	42.12	42.20	42.53	41.88	41.93	42.41	42.56	
20	42.70	42.08	41.71	41.74	42.48	42.58	42.45	42.28	41.88	41.92	42.40	42.56	
21	42.69	42.09	41.73	41.73	42.49	43.48	42.36	42.25	41.89	41.93	42.40	42.57	
22	42.69	42.08	41.71	41.77	42.49	43.67	42.44	42.23	41.88	41.92	42.32	42.57	
23	42.63	42.08	41.71	41.74	42.46	43.71	43.07	42.47	41.88	42.06	42.31	42.57	
24	42.61	42.07	41.71	41.74	42.48	43.70	43.51	41.95	41.86	41.92	42.31	42.49	
25	42.60	42.07	41.75	41.74	42.47	43.69	43.58	42.68	41.88	41.91	42.31	42.50	
26	42.60	42.00	41.75	41.74	42.38	43.69	43.60	42.87	41.87	41.92	42.31	42.51	
27	42.59	41.80	41.76	41.74	42.32	43.64	43.60	42.86	41.88	41.93	42.32	42.55	
28	42.59	41.69	41.76	41.79	42.31	43.65	43.59	42.85	41.88	41.92	42.32	42.59	
29	42.53	41.64	41.76	41.80	42.22	43.64	43.60	42.84	41.87	41.93		42.59	
30	42.53	41.63	41.84	41.80	41.96	43.62	43.60	42.84	41.88	41.91		42.59	
31		41.63		41.91	42.24		43.60		41.97	42.12		42.68	
Mean	42.68	42.09	41.81	41.86	42.23	42.50	43.27	42.63	42.12	41.92	42.39	42.51	
Max	42.79	42.51	42.07	42.02	42.49	43.71	43.61	43.61	42.85	42.12	42.58	42.68	43.71
Min	42.30	41.63	41.68	41.73	41.90	41.71	42.10	41.56	41.86	41.83	42.08	42.33	41.56
Annual Max Momentary Gage Height	43.85		m. (MSL.) , at 18.00 Hours , on Sep 21, 2021										
Zero Gage at Bottom Elevation	41.00		m. (MSL.) , River Bed 40.49 m. (MSL.)										
Left Bank Elevation	48.52		m. (MSL.) ,										
Right Bank Elevation	48.27		m. (MSL.) , Drainage Are 2.226 Square Kilometers										



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
	1	47.87	39.47	9.00	15.30	15.00	19.20	98.70	98.00	55.50	17.40	23.20	31.35		
	2	47.87	30.00	15.30	15.90	16.20	15.60	98.70	98.70	55.00	17.70	21.20	31.35		
	3	48.33	31.35	16.80	16.20	15.90	13.50	98.70	98.00	55.00	16.80	30.90	34.95		
	4	49.73	21.20	20.80	18.80	15.90	13.50	98.00	98.00	54.50	15.90	27.20	39.47		
	5	50.20	27.60	19.60	16.20	15.90	13.20	98.00	92.40	54.50	14.70	36.30	39.93		
	6	51.13	27.60	19.60	16.20	15.90	17.40	80.80	86.20	54.50	14.40	37.20	40.40		
	7	51.13	29.60	16.50	16.20	15.90	17.40	96.60	86.20	54.50	12.90	37.20	40.40		
	8	52.53	30.00	15.00	16.20	18.40	14.10	96.60	86.80	40.40	14.40	37.20	40.40		
	9	50.67	27.60	15.00	16.80	19.60	9.75	97.30	46.93	15.90	14.40	37.65	35.85		
	10	50.20	25.20	11.50	15.30	21.20	9.75	95.90	10.25	14.70	14.40	37.65	35.85		
	11	50.67	24.80	11.25	15.90	22.40	11.00	95.90	7.25	15.00	15.00	37.65	36.30		
	12	50.20	24.80	10.75	15.60	22.00	15.90	95.90	6.00	14.40	14.70	38.10	36.30		
	13	51.13	24.80	11.50	15.60	18.40	14.10	95.20	9.00	15.00	13.20	38.10	36.75		
	14	50.67	23.60	10.50	15.60	37.20	14.10	95.20	9.25	13.80	14.70	38.55	36.75		
	15	50.67	21.60	10.75	14.40	38.10	13.50	86.20	11.75	14.70	14.70	42.73	39.00		
	16	51.13	21.60	10.75	14.70	38.10	13.20	46.00	28.40	14.40	14.70	39.00	41.33		
	17	50.67	21.60	10.50	12.30	38.10	12.00	22.80	34.05	14.40	12.90	38.55	41.33		
	18	30.00	21.20	10.50	12.00	37.65	18.00	22.00	40.40	14.40	17.40	39.00	41.80		
	19	50.20	21.20	10.75	12.00	38.10	22.80	26.00	40.40	14.40	15.90	34.95	41.80		
	20	48.33	21.20	9.75	10.50	38.10	42.73	36.75	29.20	14.40	15.60	34.50	41.80		
	21	47.87	21.60	10.25	10.25	38.55	89.80	32.70	28.00	14.70	15.90	34.50	42.27		
	22	47.87	21.20	9.75	11.25	38.55	102.90	36.30	27.20	14.40	15.60	30.90	42.27		
	23	45.07	21.20	9.75	10.50	37.20	105.70	66.73	37.65	14.40	20.40	30.45	42.27		
	24	44.13	20.80	9.75	10.50	38.10	105.00	91.70	16.50	13.80	15.60	30.45	38.55		
	25	43.67	20.80	10.75	10.50	37.65	104.30	96.60	47.40	14.40	15.30	30.45	39.00		
	26	43.67	18.00	10.75	10.50	33.60	104.30	98.00	56.50	14.10	15.60	30.45	39.47		
	27	43.20	12.00	11.00	10.50	30.90	100.80	98.00	56.00	14.40	15.90	30.90	41.33		
	28	43.20	9.25	11.00	11.75	30.45	101.50	97.30	55.50	14.40	15.60	30.90	43.20		
	29	40.40	8.00	11.00	12.00	26.80	100.80	98.00	55.00	14.10	15.90		43.20		
	30	40.40	7.75	13.20	12.00	16.80	99.40	98.00	55.00	14.40	15.30		43.20		
	31		7.75		15.30	27.60		98.00		17.10	22.80		47.40		
Total		1422.81	684.37	373.30	426.75	854.25	1335.23	2492.58	1451.93	759.60	485.70	955.83	1225.27	12467.62	CMSDAY
Mean		47.43	22.08	12.44	13.77	27.56	44.51	80.41	48.40	24.50	15.67	34.14	39.52	34.16	CMS
Max		52.53	39.47	20.80	18.80	38.55	105.70	98.70	98.70	55.50	22.80	42.73	47.40	105.70	CMS
Min		30.00	7.75	9.00	10.25	15.00	9.75	22.00	6.00	13.80	12.90	21.20	31.35	6.00	CMS
Runoff		122.93	59.13	32.25	36.87	73.81	115.36	215.36	125.45	65.63	41.96	82.58	105.86	1077.20	MCM
Momentary Peak		115.75 CMS. at 43.85 m. (MSL.) at 18.00 Hours , on Sep 21, 2021													
Runoff Yield		15.34	Liters/Second/Square KM.			Momentary Peak Yield		52.00	Liters/Second/Square KM.						

WATER YEAR : 2021

PHETCHABURI - PRACHUAP KHIRI KHAN

Huai Mae Prachan at at Saphan Tha Kewiyn (Ban Wang Chan) , Phetchaburi (B.6A)

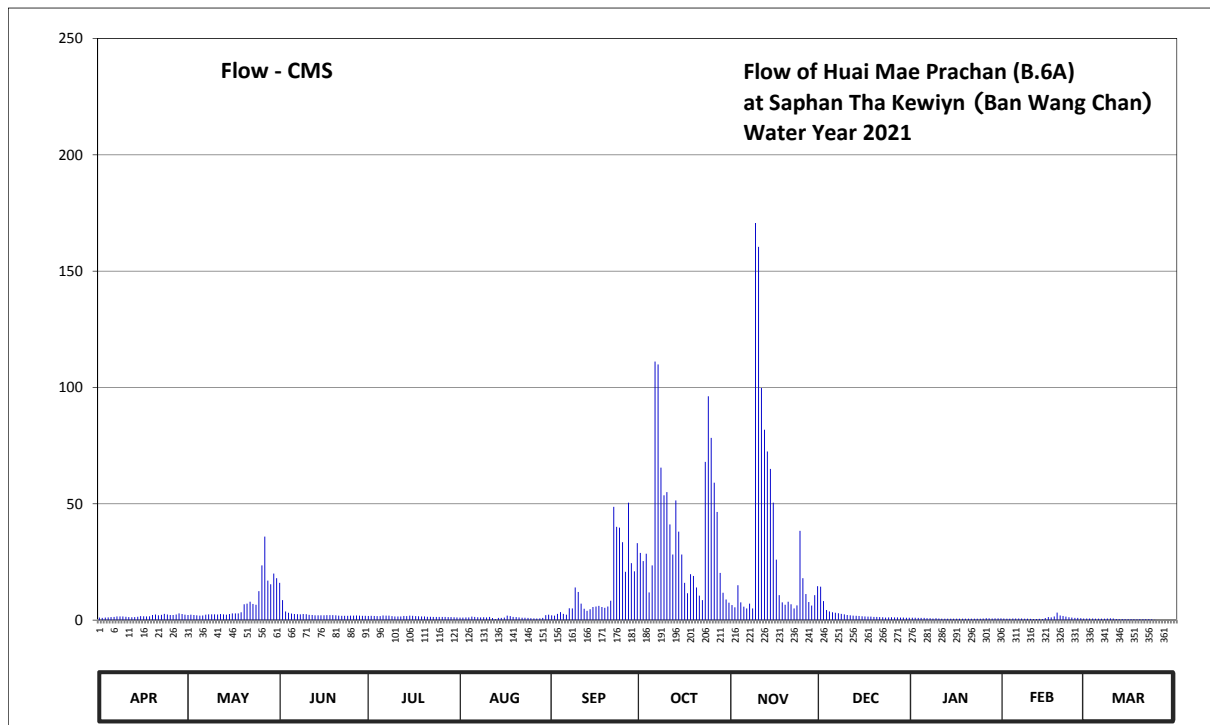
Lat 12 - 57 - 50 N Long 99 - 45 - 52 E

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	Stable.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 39 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	27.37	27.53	28.55	27.47	27.37	27.51	29.04	27.98	28.47	27.36	27.31	27.31	
2	27.35	27.55	28.14	27.48	27.37	27.49	28.93	27.90	28.11	27.36	27.30	27.31	
3	27.37	27.53	27.72	27.47	27.38	27.60	29.03	28.50	27.78	27.35	27.30	27.31	
4	27.38	27.51	27.66	27.46	27.38	27.69	28.34	28.07	27.72	27.35	27.31	27.30	
5	27.40	27.49	27.61	27.46	27.43	27.60	28.86	27.92	27.68	27.35	27.31	27.30	
6	27.41	27.50	27.59	27.50	27.41	27.55	30.71	27.85	27.66	27.33	27.31	27.30	
7	27.44	27.55	27.58	27.49	27.39	27.86	30.69	28.03	27.63	27.33	27.31	27.30	
8	27.44	27.57	27.57	27.49	27.38	27.85	29.92	27.85	27.60	27.31	27.30	27.31	
9	27.44	27.57	27.59	27.46	27.39	28.45	29.67	31.49	27.57	27.33	27.30	27.32	
10	27.42	27.57	27.58	27.44	27.38	28.35	29.70	31.37	27.53	27.31	27.29	27.31	
11	27.40	27.56	27.54	27.44	27.41	28.03	29.39	30.53	27.51	27.30	27.28	27.28	
12	27.39	27.59	27.53	27.44	27.34	27.84	29.02	30.23	27.49	27.30	27.28	27.27	
13	27.40	27.57	27.51	27.47	27.28	27.75	29.62	30.06	27.48	27.30	27.29	27.28	
14	27.42	27.55	27.51	27.46	27.35	27.82	29.30	29.91	27.47	27.30	27.28	27.27	
15	27.46	27.59	27.51	27.49	27.35	27.91	29.02	29.60	27.45	27.30	27.34	27.27	
16	27.45	27.62	27.51	27.48	27.37	27.93	28.55	28.95	27.44	27.30	27.40	27.27	
17	27.44	27.62	27.52	27.46	27.49	27.95	28.32	28.27	27.43	27.30	27.38	27.27	
18	27.45	27.62	27.52	27.45	27.46	27.91	28.71	28.07	27.43	27.30	27.44	27.26	
19	27.53	27.68	27.52	27.44	27.41	27.88	28.68	27.99	27.41	27.30	27.67	27.27	
20	27.56	28.01	27.51	27.44	27.40	27.93	28.45	28.09	27.41	27.30	27.50	27.27	
21	27.51	28.03	27.49	27.42	27.38	28.12	28.26	28.01	27.40	27.30	27.47	27.27	
22	27.54	28.09	27.48	27.42	27.36	29.56	28.14	27.85	27.39	27.30	27.43	27.27	
23	27.60	28.02	27.48	27.41	27.36	29.36	29.97	27.97	27.37	27.30	27.39	27.26	
24	27.56	27.99	27.48	27.41	27.35	29.35	30.47	29.31	27.38	27.30	27.37	27.22	
25	27.53	28.37	27.49	27.41	27.33	29.17	30.17	28.64	27.39	27.31	27.35	27.19	
26	27.53	28.86	27.49	27.41	27.32	28.75	29.79	28.30	27.38	27.33	27.35	27.19	
27	27.56	29.24	27.50	27.41	27.31	29.60	29.51	28.08	27.38	27.32	27.33	27.19	
28	27.62	28.60	27.49	27.40	27.32	28.90	28.73	27.96	27.37	27.31	27.31	27.19	
29	27.59	28.52	27.48	27.40	27.35	28.76	28.33	28.27	27.37	27.32		27.19	
30	27.55	28.72	27.48	27.39	27.52	29.16	28.16	28.48	27.36	27.32		27.19	
31		28.64		27.38	27.55		28.06		27.36	27.32		27.19	
Mean	27.47	27.90	27.59	27.44	27.38	28.25	29.15	28.72	27.53	27.32	27.35	27.26	
Max	27.62	29.24	28.55	27.50	27.55	29.60	30.71	31.49	28.47	27.36	27.67	27.32	31.49
Min	27.35	27.49	27.48	27.38	27.28	27.49	28.06	27.85	27.36	27.30	27.28	27.19	27.19
Annual Max Momentary Gage Height	33.08		m. (MSL.) ,			at 18.00 Hours ,	on Nov 9, 2021						
Zero Gage at Bottom Elevation	26.80		m. (MSL.) ,			River Bed	26.83	m. (MSL.)					
Left Bank Elevation	37.29		m. (MSL.) ,										
Right Bank Elevation	37.22		m. (MSL.) ,			Drainage Are	969	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.09	2.21	16.00	1.79	1.09	2.07	28.90	6.46	14.40	1.02	0.67	0.67	
2	0.95	2.35	8.60	1.86	1.09	1.93	25.40	5.50	8.15	1.02	0.60	0.67	
3	1.09	2.21	3.70	1.79	1.16	2.70	28.55	15.00	4.30	0.95	0.60	0.67	
4	1.16	2.07	3.18	1.72	1.16	3.42	11.92	7.61	3.70	0.95	0.67	0.60	
5	1.30	1.93	2.78	1.72	1.51	2.70	23.50	5.74	3.34	0.95	0.67	0.60	
6	1.37	2.00	2.63	2.00	1.37	2.35	111.15	5.00	3.18	0.81	0.67	0.60	
7	1.58	2.35	2.56	1.93	1.23	5.10	109.85	7.09	2.94	0.81	0.67	0.60	
8	1.58	2.49	2.49	1.93	1.16	5.00	65.50	5.00	2.70	0.67	0.60	0.67	
9	1.58	2.49	2.63	1.72	1.23	14.00	53.65	170.65	2.49	0.81	0.60	0.74	
10	1.44	2.49	2.56	1.58	1.16	12.10	55.00	160.45	2.21	0.67	0.54	0.67	
11	1.30	2.42	2.28	1.58	1.37	7.09	41.15	99.80	2.07	0.60	0.48	0.48	
12	1.23	2.63	2.21	1.58	0.88	4.90	28.20	81.80	1.93	0.60	0.48	0.42	
13	1.30	2.49	2.07	1.79	0.48	4.00	51.40	72.50	1.86	0.60	0.54	0.48	
14	1.44	2.35	2.07	1.72	0.95	4.70	38.00	65.00	1.79	0.60	0.48	0.42	
15	1.72	2.63	2.07	1.93	0.95	5.62	28.20	50.50	1.65	0.60	0.88	0.42	
16	1.65	2.86	2.07	1.86	1.09	5.86	16.00	26.00	1.58	0.60	1.30	0.42	
17	1.58	2.86	2.14	1.72	1.93	6.10	11.56	10.69	1.51	0.60	1.16	0.42	
18	1.65	2.86	2.14	1.65	1.72	5.62	19.75	7.61	1.51	0.60	1.58	0.36	
19	2.21	3.34	2.14	1.58	1.37	5.30	19.00	6.58	1.37	0.60	3.26	0.42	
20	2.42	6.83	2.07	1.58	1.30	5.86	14.00	7.87	1.37	0.60	2.00	0.42	
21	2.07	7.09	1.93	1.44	1.16	8.30	10.52	6.83	1.30	0.60	1.79	0.42	
22	2.28	7.87	1.86	1.44	1.02	48.70	8.60	5.00	1.23	0.60	1.51	0.42	
23	2.70	6.96	1.86	1.37	1.02	40.10	68.00	6.34	1.09	0.60	1.23	0.36	
24	2.42	6.58	1.86	1.37	0.95	39.75	96.20	38.35	1.16	0.60	1.09	0.12	
25	2.21	12.46	1.93	1.37	0.81	33.45	78.35	18.00	1.23	0.67	0.95	0.00	
26	2.21	23.50	1.93	1.37	0.74	20.75	59.05	11.20	1.16	0.81	0.95	0.00	
27	2.42	35.90	2.00	1.37	0.67	50.50	46.45	7.74	1.16	0.74	0.81	0.00	
28	2.86	17.00	1.93	1.30	0.74	24.50	20.25	6.22	1.09	0.67	0.67	0.00	
29	2.63	15.40	1.86	1.30	0.95	21.00	11.74	10.69	1.09	0.74		0.00	
30	2.35	20.00	1.86	1.23	2.14	33.10	8.90	14.60	1.02	0.74		0.00	
31		18.00		1.16	2.35		7.48		1.02	0.74		0.00	
Total	53.79	224.62	87.41	49.75	36.75	426.57	1196.22	941.82	76.60	22.17	27.45	12.07	3155.22 CMSDAY
Mean	1.79	7.25	2.91	1.60	1.19	14.22	38.59	31.39	2.47	0.72	0.98	0.39	8.64 CMS
Max	2.86	35.90	16.00	2.00	2.35	50.50	111.15	170.65	14.40	1.02	3.26	0.74	170.65 CMS
Min	0.95	1.93	1.86	1.16	0.48	1.93	7.48	5.00	1.02	0.60	0.48	0.00	0.00 CMS
Runoff	4.65	19.41	7.55	4.30	3.18	36.86	103.35	81.37	6.62	1.92	2.37	1.04	272.61 MCM
Momentary Peak	325.80 CMS. at 33.08 m. (MSL.) at 18.00 Hours , on Nov 9, 2021												
Runoff Yield	8.93	Liters/Second/Square KM.		Momentary Peak Yield		336.40	Liters/Second/Square KM.						

WATER YEAR : 2021

PHETCHABURI RIVER BASIN

Phetchaburi River at Ban Sarahed , Phetchaburi (B.9)

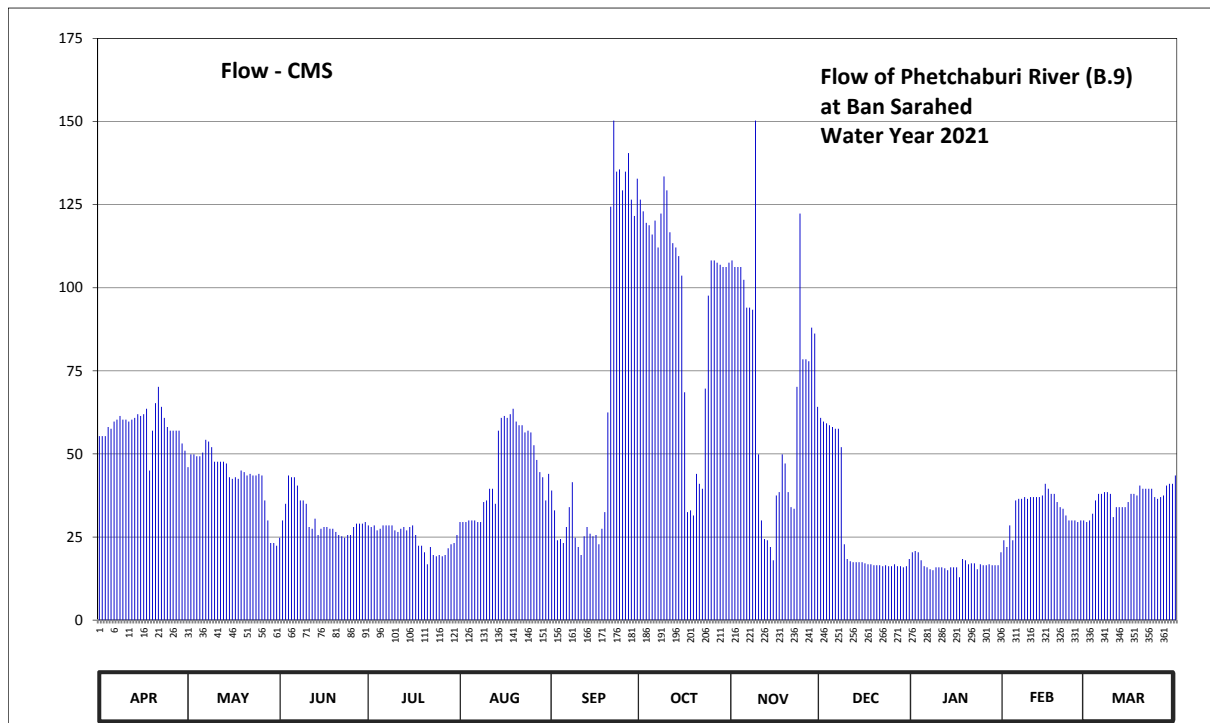
Lat 12 - 48 - 22 N Long 99 - 46 - 13 E

Location : on left bank at Ban Sarahed.

	Ban Sarahed	Amphoe Tha Yang	Changwat Phetchaburi
Drainage Area	2,602 sq.km.		
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 39 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	28.17	28.00	27.57	27.65	27.67	27.86	29.35	29.08	28.27	27.46	27.55	27.67	
2	28.17	28.07	27.68	27.64	27.67	27.74	29.30	29.05	28.25	27.47	27.50	27.68	
3	28.17	28.07	27.78	27.65	27.67	27.55	29.25	29.05	28.24	27.46	27.65	27.72	
4	28.22	28.06	27.95	27.62	27.68	27.56	29.24	29.05	28.23	27.40	27.55	27.80	
5	28.21	28.06	27.94	27.63	27.68	27.53	29.20	28.99	28.22	27.34	27.80	27.84	
6	28.25	28.08	27.94	27.65	27.68	27.64	29.26	28.85	28.21	27.33	27.81	27.84	
7	28.26	28.15	27.89	27.65	27.67	27.76	29.14	28.85	28.21	27.31	27.81	27.85	
8	28.28	28.14	27.80	27.65	27.67	27.91	29.29	28.84	28.11	27.30	27.82	27.85	
9	28.26	28.11	27.80	27.65	27.79	27.57	29.45	29.69	27.52	27.33	27.81	27.84	
10	28.26	28.03	27.78	27.62	27.80	27.50	29.39	28.07	27.41	27.33	27.82	27.70	
11	28.25	28.03	27.64	27.61	27.87	27.44	29.21	27.68	27.39	27.33	27.82	27.76	
12	28.26	28.03	27.63	27.63	27.87	27.58	29.16	27.56	27.38	27.32	27.82	27.76	
13	28.27	28.03	27.69	27.64	27.78	27.64	29.14	27.55	27.38	27.30	27.82	27.76	
14	28.29	28.02	27.59	27.62	28.20	27.60	29.10	27.50	27.38	27.33	27.83	27.76	
15	28.28	27.94	27.63	27.64	28.27	27.58	29.01	27.40	27.38	27.33	27.90	27.79	
16	28.29	27.93	27.64	27.65	28.28	27.59	28.41	27.83	27.37	27.33	27.87	27.84	
17	28.32	27.94	27.64	27.59	28.27	27.52	27.73	27.85	27.36	27.23	27.84	27.84	
18	27.98	27.93	27.63	27.51	28.29	27.63	27.74	28.07	27.36	27.41	27.84	27.83	
19	28.20	27.98	27.63	27.51	28.32	27.73	27.71	28.02	27.35	27.40	27.79	27.89	
20	28.35	27.97	27.61	27.46	28.25	28.30	27.96	27.85	27.35	27.36	27.76	27.87	
21	28.44	27.95	27.59	27.36	28.23	29.32	27.90	27.76	27.35	27.37	27.75	27.87	
22	28.33	27.96	27.58	27.50	28.23	29.69	27.87	27.75	27.34	27.37	27.71	27.87	
23	28.27	27.95	27.57	27.44	28.19	29.47	28.43	28.44	27.35	27.31	27.68	27.87	
24	28.22	27.95	27.59	27.43	28.20	29.48	28.91	29.29	27.34	27.36	27.68	27.82	
25	28.20	27.96	27.59	27.44	28.19	29.39	29.08	28.59	27.34	27.35	27.68	27.81	
26	28.20	27.95	27.64	27.43	28.12	29.47	29.08	28.59	27.36	27.35	27.67	27.82	
27	28.20	27.80	27.66	27.44	28.04	29.55	29.07	28.58	27.34	27.36	27.68	27.83	
28	28.20	27.68	27.66	27.49	27.97	29.35	29.06	28.75	27.34	27.35	27.68	27.89	
29	28.13	27.53	27.66	27.52	27.94	29.28	29.05	28.72	27.33	27.35		27.90	
30	28.09	27.53	27.67	27.53	27.80	29.44	29.05	28.33	27.34	27.35		27.90	
31		27.51		27.59	27.96		29.07		27.41	27.46		27.95	
Mean	28.23	27.95	27.69	27.56	27.98	28.26	28.86	28.39	27.59	27.36	27.75	27.82	
Max	28.44	28.15	27.95	27.65	28.32	29.69	29.45	29.69	28.27	27.47	27.90	27.95	29.69
Min	27.98	27.51	27.57	27.36	27.67	27.44	27.71	27.40	27.33	27.23	27.50	27.67	27.23
Annual Max Momentary Gage Height	30.27		m. (MSL.) ,			at 02.00 Hours ,	on Nov 24, 2021						
Zero Gage at Bottom Elevation		25.20	m. (MSL.) ,			River Bed	24.92	m. (MSL.)					
Left Bank Elevation		32.50	m. (MSL.) ,										
Right Bank Elevation		31.55	m. (MSL.) ,			Drainage Are	2,602	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	55.35	46.00	24.80	28.50	29.50	39.00	126.50	108.20	60.85	20.40	24.00	29.50	
2	55.35	49.85	30.00	28.00	29.50	33.00	123.00	106.25	59.75	20.80	22.00	30.00	
3	55.35	49.85	35.00	28.50	29.50	24.00	119.50	106.25	59.20	20.40	28.50	32.00	
4	58.10	49.30	43.50	27.00	30.00	24.40	118.80	106.25	58.65	18.00	24.00	36.00	
5	57.55	49.30	43.00	27.50	30.00	23.20	116.00	102.40	58.10	16.20	36.00	38.00	
6	59.75	50.40	43.00	28.50	30.00	28.00	120.20	94.00	57.55	15.90	36.50	38.00	
7	60.30	54.25	40.50	28.50	29.50	34.00	112.10	94.00	57.55	15.30	36.50	38.50	
8	61.40	53.70	36.00	28.50	29.50	41.50	122.30	93.40	52.05	15.00	37.00	38.50	
9	60.30	52.05	36.00	28.50	35.50	24.80	133.50	150.30	22.80	15.90	36.50	38.00	
10	60.30	47.65	35.00	27.00	36.00	22.00	129.30	49.85	18.40	15.90	37.00	31.00	
11	59.75	47.65	28.00	26.50	39.50	19.60	116.70	30.00	17.70	15.90	37.00	34.00	
12	60.30	47.65	27.50	27.50	39.50	25.20	113.40	24.40	17.40	15.60	37.00	34.00	
13	60.85	47.65	30.50	28.00	35.00	28.00	112.10	24.00	17.40	15.00	37.00	34.00	
14	61.95	47.10	25.60	27.00	57.00	26.00	109.50	22.00	17.40	15.90	37.50	34.00	
15	61.40	43.00	27.50	28.00	60.85	25.20	103.65	18.00	17.40	15.90	41.00	35.50	
16	61.95	42.50	28.00	28.50	61.40	25.60	68.55	37.50	17.10	15.90	39.50	38.00	
17	63.60	43.00	28.00	25.60	60.85	22.80	32.50	38.50	16.80	12.90	38.00	38.00	
18	45.00	42.50	27.50	22.40	61.95	27.50	33.00	49.85	16.80	18.40	38.00	37.50	
19	57.00	45.00	27.50	22.40	63.60	32.50	31.50	47.10	16.50	18.00	35.50	40.50	
20	65.25	44.50	26.50	20.40	59.75	62.50	44.00	38.50	16.50	16.80	34.00	39.50	
21	70.20	43.50	25.60	16.80	58.65	124.40	41.00	34.00	16.50	17.10	33.50	39.50	
22	64.15	44.00	25.20	22.00	58.65	150.30	39.50	33.50	16.20	17.10	31.50	39.50	
23	60.85	43.50	24.80	19.60	56.45	134.90	69.65	70.20	16.50	15.30	30.00	39.50	
24	58.10	43.50	25.60	19.20	57.00	135.60	97.60	122.30	16.20	16.80	30.00	37.00	
25	57.00	44.00	25.60	19.60	56.45	129.30	108.20	78.45	16.20	16.50	30.00	36.50	
26	57.00	43.50	28.00	19.20	52.60	134.90	108.20	78.45	16.80	16.50	29.50	37.00	
27	57.00	36.00	29.00	19.60	48.20	140.50	107.55	77.90	16.20	16.80	30.00	37.50	
28	57.00	30.00	29.00	21.60	44.50	126.50	106.90	88.00	16.20	16.50	30.00	40.50	
29	53.15	23.20	29.00	22.80	43.00	121.60	106.25	86.20	15.90	16.50		41.00	
30	50.95	23.20	29.50	23.20	36.00	132.80	106.25	64.15	16.20	16.50		41.00	
31		22.40		25.60	44.00		107.55		18.40	20.40		43.50	
Total	1766.20	1349.70	914.70	766.00	1403.90	1919.60	2984.75	2073.90	857.20	520.10	937.00	1147.00	16640.05 CMSDAY
Mean	58.87	43.54	30.49	24.71	45.29	63.99	96.28	69.13	27.65	16.78	33.46	37.00	45.59 CMS
Max	70.20	54.25	43.50	28.50	63.60	150.30	133.50	150.30	60.85	20.80	41.00	43.50	150.30 CMS
Min	45.00	22.40	24.80	16.80	29.50	19.60	31.50	18.00	15.90	12.90	22.00	29.50	12.90 CMS
Runoff	152.60	116.61	79.03	66.18	121.30	165.85	257.88	179.18	74.06	44.94	80.96	99.10	1437.70 MCM
Momentary Peak	197.30	CMS.	at 30.27 m. (MSL.)										at 02.00 Hours , on Nov 24, 2021
Runoff Yield	17.52		Liters/Second/Square KM.				Momentary Peak Yield	75.83					Liters/Second/Square KM.

WATER YEAR : 2021

PHETCHABURI RIVER BASIN

Phetchaburi River at Ban Tha Yang , Phetchaburi (B.10)

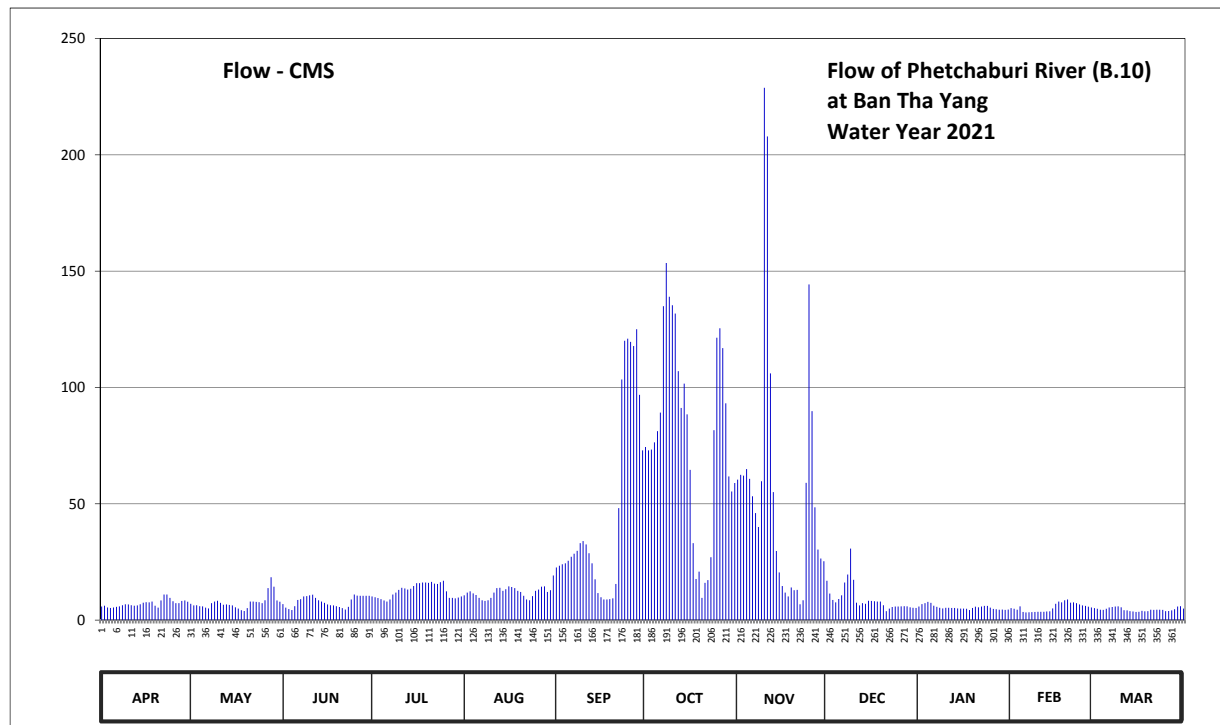
Lat 12 - 58 - 26 N Long 99 - 53 - 16 E

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 42 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.18	6.30	6.29	6.59	6.63	7.38	9.11	8.71	7.06	6.18	6.09	6.09	
2	6.22	6.23	6.12	6.56	6.72	7.42	9.07	8.77	6.69	6.29	6.06	6.06	
3	6.13	6.24	6.04	6.53	6.76	7.45	9.08	8.76	6.46	6.33	6.01	6.01	
4	6.10	6.20	5.99	6.49	6.70	7.47	9.16	8.84	6.36	6.38	6.19	6.00	
5	6.13	6.19	6.20	6.44	6.64	7.52	9.28	8.72	6.50	6.34	5.89	6.06	
6	6.16	6.12	6.46	6.40	6.54	7.59	9.48	8.49	6.63	6.22	5.86	6.13	
7	6.19	6.08	6.49	6.48	6.45	7.64	10.52	8.25	7.01	6.16	5.87	6.15	
8	6.24	6.33	6.59	6.66	6.42	7.69	10.92	8.05	7.23	6.11	5.88	6.18	
9	6.28	6.40	6.60	6.72	6.45	7.82	10.61	8.69	7.73	6.08	5.89	6.19	
10	6.27	6.43	6.63	6.80	6.54	7.85	10.53	12.35	7.09	6.11	5.90	6.14	
11	6.24	6.34	6.65	6.86	6.72	7.80	10.45	12.57	6.35	6.11	5.90	5.98	
12	6.22	6.26	6.54	6.84	6.85	7.65	9.90	10.60	6.23	6.10	5.90	5.97	
13	6.23	6.27	6.45	6.81	6.86	7.47	9.53	8.90	6.33	6.10	5.91	5.93	
14	6.28	6.25	6.40	6.83	6.77	7.10	9.78	7.76	6.30	6.08	5.92	5.91	
15	6.35	6.23	6.34	6.91	6.82	6.71	9.46	7.30	6.43	6.07	6.08	5.89	
16	6.37	6.14	6.27	6.99	6.90	6.56	8.83	6.91	6.42	6.07	6.30	5.90	
17	6.36	6.07	6.24	6.99	6.88	6.48	7.82	6.72	6.41	6.06	6.40	5.95	
18	6.40	5.98	6.23	7.01	6.85	6.48	7.11	6.61	6.40	5.99	6.36	5.92	
19	6.22	5.94	6.20	7.01	6.77	6.49	7.29	6.87	6.40	6.10	6.45	5.93	
20	6.12	6.09	6.15	7.00	6.74	6.52	6.54	6.79	6.24	6.17	6.48	6.01	
21	6.44	6.40	6.09	7.03	6.61	6.97	7.00	6.80	5.93	6.14	6.35	6.00	
22	6.66	6.40	6.02	6.98	6.48	8.32	7.08	6.28	6.07	6.18	6.36	6.01	
23	6.66	6.38	6.16	6.97	6.45	9.82	7.58	6.45	6.15	6.21	6.33	6.01	
24	6.54	6.37	6.48	7.02	6.60	10.19	9.29	9.06	6.18	6.21	6.27	6.00	
25	6.41	6.33	6.66	7.06	6.77	10.21	10.22	11.52	6.18	6.12	6.23	5.93	
26	6.33	6.45	6.62	6.76	6.81	10.18	10.31	10.11	6.19	6.05	6.21	5.94	
27	6.33	6.85	6.61	6.54	6.89	10.14	10.12	8.64	6.20	6.03	6.17	5.97	
28	6.42	7.16	6.61	6.54	6.90	10.30	9.58	7.79	6.19	6.01	6.13	6.03	
29	6.44	6.89	6.61	6.52	6.74	9.67	8.75	7.60	6.14	6.02		6.18	
30	6.39	6.44	6.61	6.55	6.79	9.07	8.56	7.54	6.11	6.00		6.20	
31		6.39		6.59	7.21		8.67		6.10	6.02		6.07	
Mean	6.31	6.33	6.38	6.76	6.72	8.00	9.08	8.41	6.44	6.13	6.12	6.02	
Max	6.66	7.16	6.66	7.06	7.21	10.30	10.92	12.57	7.73	6.38	6.48	6.20	12.57
Min	6.10	5.94	5.99	6.40	6.42	6.48	6.54	6.28	5.93	5.99	5.86	5.89	5.86
Annual Max Momentary Gage Height	13.18		m. (MSL.) ,			at 24.00 Hours ,	on Nov 10, 2021						
Zero Gage at Bottom Elevation		5.40	m. (MSL.) ,			River Bed	4.92	m. (MSL.)					
Left Bank Elevation		14.96	m. (MSL.) ,										
Right Bank Elevation		14.90	m. (MSL.) ,			Drainage Are	4,057	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.84	7.00	6.90	10.18	10.66	22.60	74.40	60.35	16.90	5.84	5.12	5.12	
2	6.20	6.30	5.36	9.82	11.80	23.40	72.95	62.45	11.38	6.90	4.88	4.88	
3	5.44	6.40	4.72	9.46	12.40	24.00	73.30	62.10	8.66	7.30	4.48	4.48	
4	5.20	6.00	4.32	8.99	11.50	24.40	76.40	64.90	7.60	7.80	5.92	4.40	
5	5.44	5.92	6.00	8.44	10.78	25.50	81.20	60.70	9.10	7.40	3.52	4.88	
6	5.68	5.36	8.66	8.00	9.58	27.25	89.20	53.20	10.66	6.20	3.28	5.44	
7	5.92	5.04	8.99	8.88	8.55	28.50	134.90	46.00	16.15	5.68	3.36	5.60	
8	6.40	7.30	10.18	11.02	8.22	29.75	153.50	40.00	19.60	5.28	3.44	5.84	
9	6.80	8.00	10.30	11.80	8.55	33.10	138.95	59.65	30.75	5.04	3.52	5.92	
10	6.70	8.33	10.66	13.00	9.58	34.00	135.35	228.75	17.35	5.28	3.60	5.52	
11	6.40	7.40	10.90	13.90	11.80	32.50	131.75	207.90	7.50	5.28	3.60	4.24	
12	6.20	6.60	9.58	13.60	13.75	28.75	107.00	106.00	6.30	5.20	3.60	4.16	
13	6.30	6.70	8.55	13.15	13.90	24.40	91.20	55.00	7.30	5.20	3.68	3.84	
14	6.80	6.50	8.00	13.45	12.55	17.50	101.60	29.70	7.00	5.04	3.76	3.68	
15	7.50	6.30	7.40	14.65	13.30	11.65	88.40	20.50	8.33	4.96	5.04	3.52	
16	7.70	5.52	6.70	15.85	14.50	9.82	64.55	14.65	8.22	4.96	7.00	3.60	
17	7.60	4.96	6.40	15.85	14.20	8.88	33.10	11.80	8.11	4.88	8.00	4.00	
18	8.00	4.24	6.30	16.15	13.75	8.88	17.65	10.15	8.00	4.32	7.60	3.76	
19	6.20	3.92	6.00	16.15	12.55	8.99	20.80	14.05	8.00	5.20	8.55	3.84	
20	5.36	5.12	5.60	16.00	12.10	9.34	9.58	12.85	6.40	5.76	8.88	4.48	
21	8.44	8.00	5.12	16.45	10.42	15.55	16.00	13.00	3.84	5.52	7.50	4.40	
22	11.02	8.00	4.56	15.70	8.88	48.10	17.20	6.80	4.96	5.84	7.60	4.48	
23	11.02	7.80	5.68	15.55	8.55	103.40	27.00	8.50	5.60	6.10	7.30	4.48	
24	9.58	7.70	8.88	16.30	10.30	120.05	81.60	59.00	5.84	6.10	6.70	4.40	
25	8.11	7.30	11.02	16.90	12.55	120.95	121.40	144.30	5.84	5.36	6.30	3.84	
26	7.30	8.55	10.54	12.40	13.15	119.60	125.45	89.80	5.92	4.80	6.10	3.92	
27	7.30	13.75	10.42	9.58	14.35	117.80	116.90	48.50	6.00	4.64	5.76	4.16	
28	8.22	18.40	10.42	9.58	14.50	125.00	93.20	30.30	5.92	4.48	5.44	4.64	
29	8.44	14.35	10.42	9.34	12.10	96.80	61.75	26.50	5.52	4.56		5.84	
30	7.90	8.44	10.42	9.70	12.85	72.95	55.30	25.30	5.28	4.40		6.00	
31		7.90		10.18	19.20		58.95		5.20	4.56		4.96	
Total	215.01	233.10	239.00	390.02	370.87	1373.41	2470.53	1672.70	283.23	169.88	153.53	142.32	7713.60 CMSDAY
Mean	7.17	7.52	7.97	12.58	11.96	45.78	79.69	55.76	9.14	5.48	5.48	4.59	21.13 CMS
Max	11.02	18.40	11.02	16.90	19.20	125.00	153.50	228.75	30.75	7.80	8.88	6.00	228.75 CMS
Min	5.20	3.92	4.32	8.00	8.22	8.88	9.58	6.80	3.84	4.32	3.28	3.52	3.28 CMS
Runoff	18.58	20.14	20.65	33.70	32.04	118.66	213.45	144.52	24.47	14.68	13.26	12.30	666.46 MCM
Momentary Peak	274.40 CMS. at 13.18 m. (MSL.) at 24.00 Hours , on Nov 10, 2021												
Runoff Yield	5.21	Liters/Second/Square KM.				Momentary Peak Yield				67.64 Liters/Second/Square KM.			

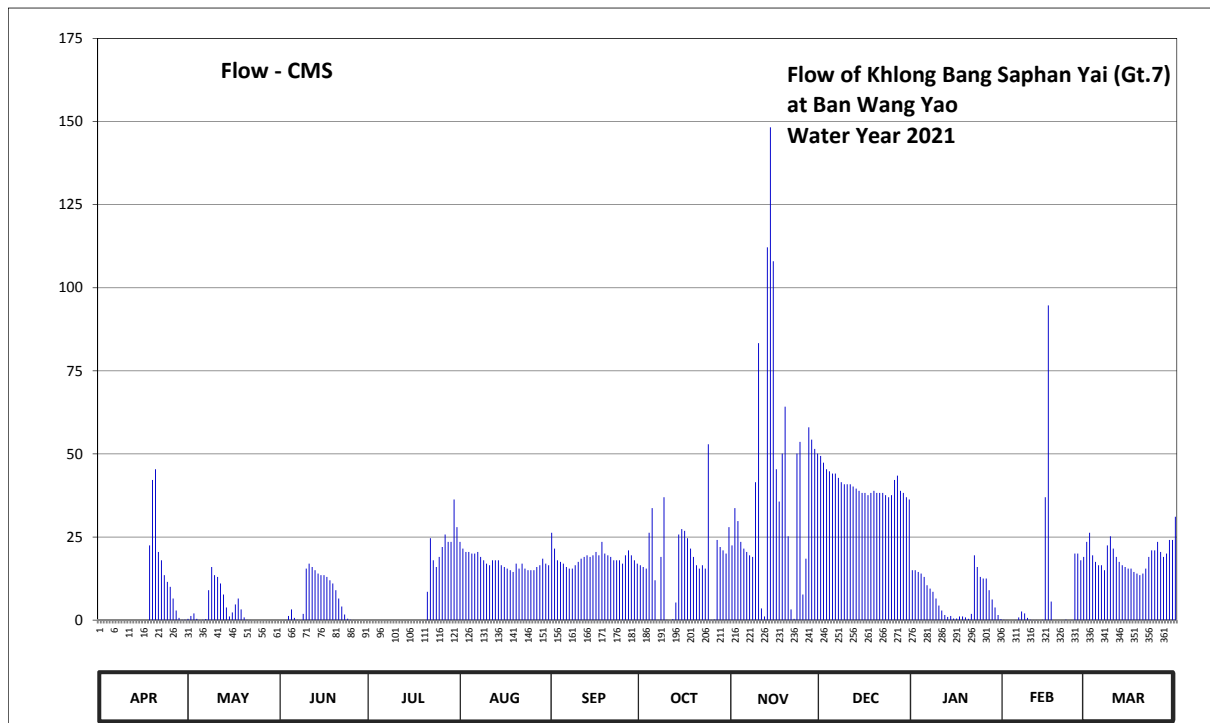
Lat 11 - 14 - 27 N Long 99 - 26 - 10 E

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 +19.908 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	Stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Flow regulated by the concrete weir about 2 kilometer downstream from the gage site. Stage-discharge relation defined by 9 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	12.02	13.07	12.73	12.55	13.71	13.76	13.57	13.69	14.12	13.54	12.94	13.71	
2	11.97	13.15	12.76	12.52	13.67	13.67	13.56	13.88	14.09	13.54	12.91	13.76	
3	11.95	13.20	12.86	12.50	13.65	13.60	13.55	13.82	14.06	13.53	12.83	13.63	
4	11.91	13.07	13.15	12.48	13.65	13.59	13.76	13.71	14.05	13.52	12.81	13.59	
5	11.92	12.88	13.24	12.45	13.64	13.58	13.88	13.67	14.04	13.50	12.87	13.57	
6	12.13	12.95	13.11	12.43	13.64	13.56	13.48	13.65	14.04	13.45	13.12	13.57	
7	12.36	13.06	12.99	12.42	13.65	13.55	12.95	13.63	14.02	13.43	13.22	13.54	
8	12.46	13.42	12.92	12.42	13.62	13.55	13.62	13.62	14.00	13.41	13.20	13.69	
9	12.60	13.56	13.19	12.42	13.60	13.57	13.93	14.00	13.99	13.35	13.11	13.74	
10	12.68	13.51	13.55	12.46	13.58	13.59	12.95	14.54	13.99	13.28	13.00	13.67	
11	12.72	13.50	13.58	12.59	13.57	13.61	12.73	13.25	13.99	13.23	12.91	13.62	
12	12.76	13.46	13.56	12.73	13.60	13.62	13.05	13.14	13.98	13.17	12.85	13.59	
13	12.76	13.39	13.54	12.73	13.60	13.63	13.31	14.83	13.97	13.13	12.80	13.57	
14	12.76	13.26	13.52	12.70	13.60	13.62	13.75	15.15	13.96	13.15	12.98	13.56	
15	12.75	13.14	13.51	12.70	13.57	13.63	13.78	14.79	13.95	13.09	13.93	13.55	
16	12.74	13.21	13.51	12.67	13.56	13.65	13.77	14.06	13.95	13.10	14.66	13.55	
17	12.74	13.29	13.50	12.63	13.55	13.63	13.73	13.91	13.94	13.14	13.32	13.53	
18	13.69	13.35	13.48	12.61	13.54	13.71	13.67	14.13	13.95	13.14	12.72	13.52	
19	14.01	13.24	13.46	12.64	13.53	13.64	13.62	14.32	13.96	13.12	12.64	13.51	
20	14.06	13.12	13.42	12.76	13.58	13.63	13.57	13.74	13.95	13.07	12.47	13.52	
21	13.65	12.97	13.35	13.41	13.55	13.62	13.55	13.24	13.95	13.19	12.43	13.55	
22	13.60	12.87	13.27	13.73	13.58	13.60	13.57	13.07	13.95	13.63	13.01	13.62	
23	13.51	12.81	13.18	13.60	13.55	13.60	13.55	14.13	13.94	13.56	12.46	13.66	
24	13.47	12.79	13.08	13.56	13.54	13.60	14.17	14.18	13.93	13.50	12.87	13.66	
25	13.44	12.53	12.97	13.62	13.54	13.58	13.00	13.39	13.94	13.49	13.64	13.71	
26	13.35	11.88	12.87	13.68	13.54	13.63	13.02	13.61	14.01	13.49	13.64	13.65	
27	13.23	11.88	12.82	13.75	13.56	13.66	13.72	14.24	14.03	13.42	13.60	13.62	
28	13.11	12.08	12.73	13.71	13.57	13.63	13.68	14.19	13.96	13.34	13.62	13.64	
29	12.99	12.42	12.65	13.71	13.61	13.60	13.66	14.15	13.95	13.26		13.72	
30	13.01	12.57	12.59	13.92	13.58	13.58	13.64	14.13	13.93	13.17		13.72	
31		12.62		13.79	13.57		13.79		13.92	13.05		13.84	
Mean	12.88	12.98	13.17	12.96	13.59	13.62	13.53	13.93	13.98	13.32	13.09	13.63	
Max	14.06	13.56	13.58	13.92	13.71	13.76	14.17	15.15	14.12	13.63	14.66	13.84	15.15
Min	11.91	11.88	12.59	12.42	13.53	13.55	12.73	13.07	13.92	13.05	12.43	13.51	11.88
Annual Max Momentary Gage Height		16.21	m. (MSL.) ,		at 18.00 Hours , on Feb 16, 2021								
Zero Gage at Bottom Elevation		11.80	m. (MSL.) ,		River Bed	9.85	m. (MSL.)						
Left Bank Elevation		16.64	m. (MSL.) ,										
Right Bank Elevation		18.91	m. (MSL.) ,		Drainage Are	351	Square Kilometers						



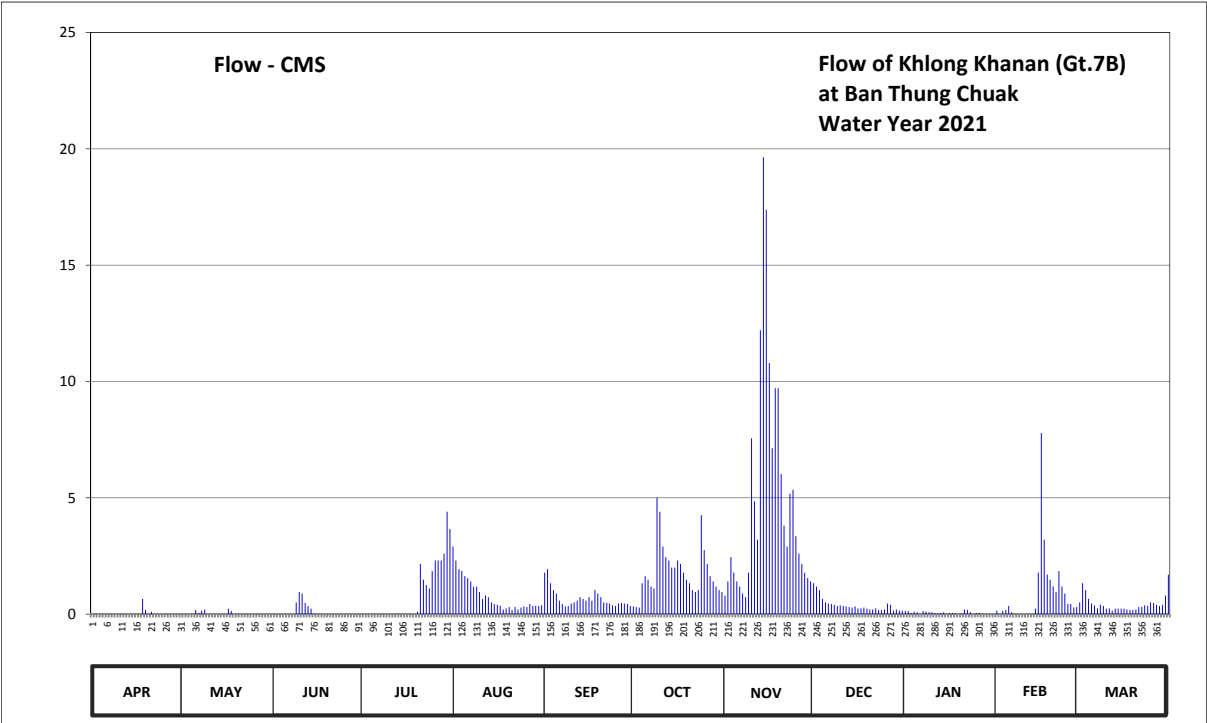
Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.38	0.00	0.00	23.55	26.30	16.50	22.50	49.40	15.00	0.07	23.55		
2	0.00	1.25	0.00	0.00	21.50	21.50	16.00	33.70	47.35	15.00	0.06	26.30		
3	0.00	2.00	0.03	0.00	20.50	18.00	15.50	29.80	45.40	14.50	0.02	19.50		
4	0.00	0.38	1.25	0.00	20.50	17.50	26.30	23.55	44.75	14.00	0.01	17.50		
5	0.00	0.04	3.20	0.00	20.00	17.00	33.70	21.50	44.10	13.00	0.04	16.50		
6	0.00	0.08	0.65	0.00	20.00	16.00	12.00	20.50	44.10	10.50	0.80	16.50		
7	0.00	0.34	0.10	0.00	20.50	15.50	0.08	19.50	42.80	9.50	2.60	15.00		
8	0.00	9.00	0.06	0.00	19.00	15.50	19.00	19.00	41.50	8.50	2.00	22.50		
9	0.00	16.00	1.85	0.00	18.00	16.50	36.95	41.50	40.85	6.50	0.65	25.20		
10	0.00	13.50	15.50	0.00	17.00	17.50	0.08	83.30	40.85	4.40	0.10	21.50		
11	0.00	13.00	17.00	0.00	16.50	18.50	0.00	3.50	40.85	2.90	0.06	19.00		
12	0.00	11.00	16.00	0.00	18.00	19.00	0.30	1.10	40.20	1.55	0.03	17.50		
13	0.00	7.70	15.00	0.00	18.00	19.50	5.30	112.15	39.55	0.95	0.00	16.50		
14	0.00	3.80	14.00	0.00	18.00	19.00	25.75	148.25	38.90	1.25	0.09	16.00		
15	0.00	1.10	13.50	0.00	16.50	19.50	27.40	107.95	38.25	0.46	36.95	15.50		
16	0.00	2.30	13.50	0.00	16.00	20.50	26.85	45.40	38.25	0.50	94.70	15.50		
17	0.00	4.70	13.00	0.00	15.50	19.50	24.65	35.65	37.60	1.10	5.60	14.50		
18	22.50	6.50	12.00	0.00	15.00	23.55	21.50	50.10	38.25	1.10	0.00	14.00		
19	42.15	3.20	11.00	0.00	14.50	20.00	19.00	64.20	38.90	0.80	0.00	13.50		
20	45.40	0.80	9.00	0.00	17.00	19.50	16.50	25.20	38.25	0.38	0.00	14.00		
21	20.50	0.09	6.50	8.50	15.50	19.00	15.50	3.20	38.25	1.85	0.00	15.50		
22	18.00	0.04	4.10	24.65	17.00	18.00	16.50	0.38	38.25	19.50	0.14	19.00		
23	13.50	0.01	1.70	18.00	15.50	18.00	15.50	50.10	37.60	16.00	0.00	21.00		
24	11.50	0.00	0.42	16.00	15.00	18.00	52.90	53.60	36.95	13.00	0.04	21.00		
25	10.00	0.00	0.09	19.00	15.00	17.00	0.10	7.70	37.60	12.50	20.00	23.55		
26	6.50	0.00	0.04	22.00	15.00	19.50	0.18	18.50	42.15	12.50	20.00	20.50		
27	2.90	0.00	0.01	25.75	16.00	21.00	24.10	58.00	43.45	9.00	18.00	19.00		
28	0.65	0.00	0.00	23.55	16.50	19.50	22.00	54.30	38.90	6.20	19.00	20.00		
29	0.10	0.00	0.00	23.55	18.50	18.00	21.00	51.50	38.25	3.80		24.10		
30	0.14	0.00	0.00	36.30	17.00	17.00	20.00	50.10	36.95	1.55		24.10		
31		0.00		27.95	16.50		27.95		36.30	0.30		31.10		
Total	193.84	97.21	169.50	245.25	543.05	564.85	559.09	1255.73	1254.75	218.09	220.96	598.90	5921.22	CMSDAY
Mean	6.46	3.14	5.65	7.91	17.52	18.83	18.04	41.86	40.48	7.04	7.89	19.32	16.22	CMS
Max	45.40	16.00	17.00	36.30	23.55	26.30	52.90	148.25	49.40	19.50	94.70	31.10	148.25	CMS
Min	0.00	0.00	0.00	0.00	14.50	15.50	0.00	0.38	36.30	0.30	0.00	13.50	0.00	CMS
Runoff	16.75	8.40	14.64	21.19	46.92	48.80	48.31	108.50	108.41	18.84	19.09	51.74	511.59	MCM
Momentary Peak	289.45 CMS. at 16.21 m. (MSL.) at 18:00 Hours , on Feb 16, 2021													
Runoff Yield	46.22	Liters/Second/Square KM.				Momentary Peak Yield				824.64	Liters/Second/Square KM.			

Lat 11 - 14 - 36 N Long 99 - 26 - 14 E

	Ban Thung Chuak	Amphoe Bang Saphan	Changwat	Prachuap Khiri Khan
Drainage Area	38	sq.km.		
Type of Gage	Water - stage recorder.			
Zero Gage at Bottom	+23.700	m. (MSL.)		
Bench Mark	B.M.- Highways Dept.			
Location BM	on left bank at the abutment of the bridge.		Elevation	+30.676 m. (MSL.)
Gage Reading Frequency	Recordings.			
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. Flow regulated by the concrete weir about 2 kilometer downstream from the gage site.			
	Stage-discharge relation defined by 18 discharge measurements made in 2021.			

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	24.76	24.97	24.92	24.76	25.46	25.37	25.13	25.24	25.31	25.05	25.06	25.20	
2	24.75	24.98	24.92	24.76	25.42	25.39	25.12	25.32	25.29	25.05	24.99	25.31	
3	24.75	24.91	24.91	24.75	25.39	25.31	25.11	25.43	25.27	25.02	25.05	25.27	
4	24.75	24.88	24.92	24.75	25.38	25.27	25.31	25.37	25.22	25.04	25.07	25.22	
5	24.83	24.92	24.91	24.83	25.35	25.25	25.35	25.32	25.20	25.03	25.14	25.18	
6	24.87	25.07	24.91	24.87	25.34	25.21	25.33	25.29	25.18	24.99	25.03	25.15	
7	24.87	25.02	24.92	24.87	25.32	25.17	25.29	25.25	25.17	25.05	24.99	25.10	
8	24.87	25.06	24.97	24.87	25.29	25.13	25.28	25.23	25.16	25.04	24.98	25.16	
9	24.86	25.08	25.20	24.87	25.29	25.14	25.60	25.37	25.14	25.03	24.96	25.14	
10	24.86	25.00	25.26	24.86	25.26	25.18	25.56	25.74	25.15	25.03	24.97	25.09	
11	24.87	24.99	25.25	24.98	25.22	25.20	25.46	25.59	25.14	25.02	24.98	25.10	
12	24.86	24.89	25.19	24.96	25.24	25.21	25.43	25.48	25.13	25.01	24.97	25.06	
13	24.86	24.87	25.14	24.90	25.23	25.23	25.42	25.94	25.12	25.02	24.98	25.09	
14	24.86	24.92	25.09	24.90	25.20	25.22	25.40	26.17	25.11	25.03	25.09	25.09	
15	24.86	24.89	25.01	24.91	25.17	25.21	25.40	26.11	25.13	25.00	25.37	25.09	
16	24.86	25.00	24.96	24.85	25.16	25.23	25.42	25.89	25.10	25.02	25.75	25.09	
17	24.98	25.09	24.95	24.87	25.14	25.21	25.41	25.72	25.10	25.02	25.48	25.08	
18	25.22	25.05	24.95	24.89	25.08	25.27	25.37	25.84	25.11	25.01	25.36	25.07	
19	25.07	24.96	24.92	24.97	25.10	25.25	25.33	25.84	25.09	24.99	25.33	25.07	
20	25.00	24.95	24.90	25.04	25.12	25.23	25.31	25.66	25.08	25.01	25.29	25.08	
21	25.04	24.87	24.89	25.41	25.07	25.20	25.27	25.52	25.08	25.08	25.26	25.12	
22	24.97	24.86	24.89	25.33	25.12	25.19	25.26	25.46	25.10	25.07	25.38	25.12	
23	24.92	24.92	24.88	25.30	25.08	25.18	25.27	25.61	25.07	25.03	25.29	25.15	
24	24.91	24.93	24.89	25.28	25.11	25.15	25.55	25.62	25.07	25.00	25.25	25.14	
25	24.91	24.93	24.90	25.38	25.13	25.14	25.45	25.49	25.08	25.02	25.17	25.20	
26	24.88	24.96	24.88	25.42	25.12	25.18	25.41	25.44	25.18	25.02	25.17	25.19	
27	24.87	24.98	24.84	25.42	25.17	25.19	25.35	25.41	25.16	24.96	25.11	25.16	
28	24.87	24.98	24.86	25.42	25.14	25.18	25.32	25.37	25.06	24.94	25.12	25.14	
29	24.87	24.98	24.86	25.44	25.14	25.17	25.29	25.34	25.08	24.93		25.16	
30	24.87	24.98	24.85	25.56	25.14	25.14	25.27	25.32	25.06	24.91</			



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	2.90	1.78	0.33	0.80	1.33	0.13	0.15	0.50	
2	0.00	0.00	0.00	0.00	2.30	1.93	0.30	1.40	1.18	0.13	0.00	1.33	
3	0.00	0.00	0.00	0.00	1.93	1.33	0.28	2.45	1.03	0.05	0.13	1.03	
4	0.00	0.00	0.00	0.00	1.85	1.03	1.33	1.78	0.65	0.10	0.18	0.65	
5	0.00	0.00	0.00	0.00	1.63	0.88	1.63	1.40	0.50	0.08	0.35	0.45	
6	0.00	0.18	0.00	0.00	1.55	0.58	1.48	1.18	0.45	0.00	0.08	0.38	
7	0.00	0.05	0.00	0.00	1.40	0.43	1.18	0.88	0.43	0.13	0.00	0.25	
8	0.00	0.15	0.00	0.00	1.18	0.33	1.10	0.73	0.40	0.10	0.00	0.40	
9	0.00	0.20	0.50	0.00	1.18	0.35	5.00	1.78	0.35	0.08	0.00	0.35	
10	0.00	0.00	0.95	0.00	0.95	0.45	4.40	7.56	0.38	0.08	0.00	0.23	
11	0.00	0.00	0.88	0.00	0.65	0.50	2.90	4.85	0.35	0.05	0.00	0.25	
12	0.00	0.00	0.48	0.00	0.80	0.58	2.45	3.20	0.33	0.03	0.00	0.15	
13	0.00	0.00	0.35	0.00	0.73	0.73	2.30	12.20	0.30	0.05	0.00	0.23	
14	0.00	0.00	0.23	0.00	0.50	0.65	2.00	19.63	0.28	0.08	0.23	0.23	
15	0.00	0.00	0.03	0.00	0.43	0.58	2.00	17.38	0.33	0.00	1.78	0.23	
16	0.00	0.00	0.00	0.00	0.40	0.73	2.30	10.79	0.25	0.05	7.78	0.23	
17	0.00	0.23	0.00	0.00	0.35	0.58	2.15	7.13	0.25	0.05	3.20	0.20	
18	0.65	0.13	0.00	0.00	0.20	1.03	1.78	9.71	0.28	0.03	1.70	0.18	
19	0.18	0.00	0.00	0.00	0.25	0.88	1.48	9.71	0.23	0.00	1.48	0.18	
20	0.00	0.00	0.00	0.10	0.30	0.73	1.33	6.02	0.20	0.03	1.18	0.20	
21	0.10	0.00	0.00	2.15	0.18	0.50	1.03	3.80	0.20	0.20	0.95	0.30	
22	0.00	0.00	0.00	1.48	0.30	0.48	0.95	2.90	0.25	0.18	1.85	0.30	
23	0.00	0.00	0.00	1.25	0.20	0.45	1.03	5.17	0.18	0.08	1.18	0.38	
24	0.00	0.00	0.00	1.10	0.28	0.38	4.25	5.34	0.18	0.00	0.88	0.35	
25	0.00	0.00	0.00	1.85	0.33	0.35	2.75	3.35	0.20	0.05	0.43	0.50	
26	0.00	0.00	0.00	2.30	0.30	0.45	2.15	2.60	0.45	0.05	0.43	0.48	
27	0.00	0.00	0.00	2.30	0.43	0.48	1.63	2.15	0.40	0.00	0.28	0.40	
28	0.00	0.00	0.00	2.30	0.35	0.45	1.40	1.78	0.15	0.00	0.30	0.35	
29	0.00	0.00	0.00	2.60	0.35	0.43	1.18	1.55	0.20	0.00		0.40	
30	0.00	0.00	0.00	4.40	0.35	0.35	1.03	1.40	0.15	0.00		0.80	
31		0.00		3.65	0.38		0.95		0.15	0.00		1.70	
Total	0.93	0.94	3.42	25.48	24.93	20.40	56.07	150.62	12.01	1.81	24.54	13.61	334.76
Mean	0.03	0.03	0.11	0.82	0.80	0.68	1.81	5.02	0.39	0.06	0.88	0.44	0.92
Max	0.65	0.23	0.95	4.40	2.90	1.93	5.00	19.63	1.33	0.20	7.78	1.70	19.63
Min	0.00	0.00	0.00	0.00	0.18	0.33	0.28	0.73	0.15	0.00	0.00	0.15	0.00
Runoff	0.08	0.08	0.30	2.20	2.15	1.76	4.84	13.01	1.04	0.16	2.12	1.18	28.92

WATER YEAR : 2021**WEST COAST - GULF BASIN****Khlong Thap Sakae at Ban Klang , Prachuap Khiri Khan (Gt.9)**

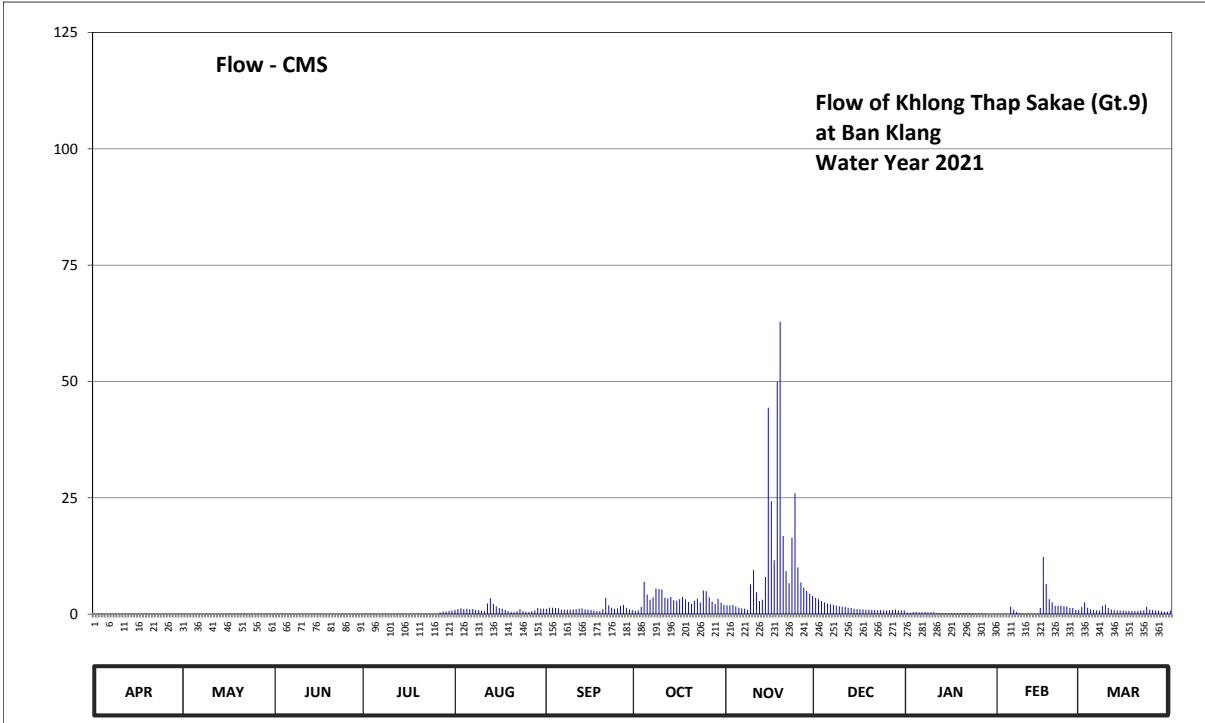
Lat 11 - 29 - 48 N Long 99 - 36 - 09 E

Location : on right bank at Ban Klang.

	Ban Klang	Amphoe Thap Sakae	Changwat Prachuap Khiri Khan
Drainage Area	143 sq.km.		
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	Overbank flow starts at elevation +10.560 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 27 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.03	7.06	7.09	7.06	7.28	7.32	7.24	7.42	7.60	7.17	7.10	7.37	
2	7.04	7.06	7.09	7.06	7.31	7.35	7.26	7.42	7.57	7.16	7.10	7.50	
3	7.03	7.06	7.10	7.06	7.33	7.35	7.37	7.43	7.53	7.18	7.10	7.35	
4	7.03	7.06	7.10	7.06	7.31	7.34	7.93	7.38	7.50	7.19	7.10	7.30	
5	7.03	7.06	7.09	7.06	7.32	7.33	7.67	7.35	7.47	7.18	7.38	7.28	
6	7.04	7.09	7.09	7.06	7.31	7.29	7.56	7.33	7.45	7.18	7.29	7.26	
7	7.04	7.08	7.09	7.06	7.31	7.29	7.61	7.32	7.43	7.19	7.19	7.25	
8	7.04	7.07	7.06	7.06	7.27	7.29	7.80	7.29	7.41	7.18	7.14	7.40	
9	7.04	7.07	7.04	7.06	7.27	7.29	7.79	7.89	7.39	7.18	7.12	7.43	
10	7.04	7.08	7.04	7.06	7.25	7.30	7.78	8.10	7.38	7.18	7.11	7.34	
11	7.04	7.09	7.04	7.05	7.23	7.31	7.60	7.72	7.37	7.15	7.11	7.30	
12	7.04	7.09	7.04	7.06	7.47	7.32	7.58	7.53	7.35	7.14	7.11	7.27	
13	7.04	7.09	7.05	7.06	7.59	7.33	7.62	7.56	7.34	7.14	7.11	7.26	
14	7.04	7.10	7.06	7.06	7.46	7.30	7.55	8.00	7.32	7.14	7.11	7.25	
15	7.05	7.10	7.06	7.06	7.39	7.29	7.54	9.51	7.31	7.14	7.34	7.25	
16	7.05	7.10	7.06	7.06	7.34	7.28	7.57	8.81	7.31	7.14	8.26	7.24	
17	7.05	7.10	7.06	7.06	7.32	7.26	7.62	8.22	7.30	7.14	7.90	7.24	
18	7.05	7.10	7.06	7.06	7.28	7.23	7.57	9.67	7.29	7.14	7.57	7.24	
19	7.05	7.10	7.05	7.05	7.23	7.23	7.51	10.02	7.29	7.14	7.50	7.24	
20	7.05	7.10	7.05	7.06	7.20	7.31	7.46	8.49	7.28	7.14	7.40	7.24	
21	7.05	7.10	7.06	7.05	7.19	7.60	7.54	8.08	7.28	7.14	7.40	7.26	
22	7.06	7.11	7.06	7.05	7.23	7.42	7.58	7.91	7.27	7.14	7.41	7.26	
23	7.06	7.10	7.06	7.05	7.31	7.35	7.50	8.47	7.27	7.14	7.39	7.37	
24	7.05	7.10	7.06	7.06	7.24	7.32	7.76	8.88	7.26	7.13	7.38	7.29	
25	7.05	7.10	7.07	7.07	7.20	7.33	7.74	8.13	7.26	7.13	7.34	7.27	
26	7.05	7.09	7.07	7.06	7.19	7.40	7.61	7.92	7.26	7.13	7.34	7.26	
27	7.05	7.10	7.06	7.17	7.22	7.43	7.52	7.82	7.27	7.11	7.28	7.25	
28	7.05	7.09	7.06	7.21	7.26	7.35	7.46	7.75	7.29	7.10	7.27	7.22	
29	7.05	7.09	7.06	7.21	7.34	7.30	7.58	7.69	7.26	7.10		7.20	
30	7.06	7.09	7.06	7.23	7.32	7.27	7.49	7.64	7.26	7.10		7.20	
31		7.09		7.26	7.32		7.43		7.26	7.10		7.25	
Mean	7.05	7.09	7.06	7.08	7.30	7.33	7.58	8.02	7.35	7.15	7.32	7.29	
Max	7.06	7.11	7.10	7.26	7.59	7.60	7.93	10.02	7.60	7.19	8.26	7.50	10.02
Min	7.03	7.06	7.04	7.05	7.19	7.23	7.24	7.29	7.26	7.10	7.10	7.20	7.03
Annual Max Momentary Gage Height	11.29		m. (MSL.) ,		at 04.00 Hours ,	on Nov 19, 2021							
Zero Gage at Bottom Elevation	6.90		m. (MSL.) ,		River Bed	6.73	m. (MSL.)						
Left Bank Elevation	10.55		m. (MSL.) ,										
Right Bank Elevation	10.95		m. (MSL.) ,		Drainage Are	143	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual		
	1	0.00	0.00	0.00	0.00	0.90	1.15	0.70	1.90	3.50	0.35	0.00	1.53			
	2	0.00	0.00	0.00	0.00	1.08	1.38	0.80	1.90	3.20	0.30	0.00	2.50			
	3	0.00	0.00	0.00	0.00	1.23	1.38	1.53	1.98	2.80	0.40	0.00	1.38			
	4	0.00	0.00	0.00	0.00	1.08	1.30	6.95	1.60	2.50	0.45	0.00	1.00			
	5	0.00	0.00	0.00	0.00	1.15	1.23	4.20	1.38	2.28	0.40	1.60	0.90			
	6	0.00	0.00	0.00	0.00	1.08	0.95	3.10	1.23	2.13	0.40	0.95	0.80			
	7	0.00	0.00	0.00	0.00	1.08	0.95	3.60	1.15	1.98	0.45	0.45	0.75			
	8	0.00	0.00	0.00	0.00	0.85	0.95	5.50	0.95	1.83	0.40	0.20	1.75			
	9	0.00	0.00	0.00	0.00	0.85	0.95	5.40	6.40	1.68	0.40	0.10	1.98			
	10	0.00	0.00	0.00	0.00	0.75	1.00	5.30	9.50	1.60	0.40	0.05	1.30			
	11	0.00	0.00	0.00	0.00	0.65	1.08	3.50	4.70	1.53	0.25	0.05	1.00			
	12	0.00	0.00	0.00	0.00	2.28	1.15	3.30	2.80	1.38	0.20	0.05	0.85			
	13	0.00	0.00	0.00	0.00	3.40	1.23	3.70	3.10	1.30	0.20	0.05	0.80			
	14	0.00	0.00	0.00	0.00	2.20	1.00	3.00	8.00	1.15	0.20	0.05	0.75			
	15	0.00	0.00	0.00	0.00	1.68	0.95	2.90	44.35	1.08	0.20	1.30	0.75			
	16	0.00	0.00	0.00	0.00	1.30	0.90	3.20	24.25	1.08	0.20	12.30	0.70			
	17	0.00	0.00	0.00	0.00	1.15	0.80	3.70	11.60	1.00	0.20	6.50	0.70			
	18	0.00	0.00	0.00	0.00	0.90	0.65	3.20	49.95	0.95	0.20	3.20	0.70			
	19	0.00	0.00	0.00	0.00	0.65	0.65	2.60	62.80	0.95	0.20	2.50	0.70			
	20	0.00	0.00	0.00	0.00	0.50	1.08	2.20	16.80	0.90	0.20	1.75	0.70			
	21	0.00	0.00	0.00	0.00	0.45	3.50	2.90	9.20	0.90	0.20	1.75	0.80			
	22	0.00	0.05	0.00	0.00	0.65	1.90	3.30	6.65	0.85	0.20	1.83	0.80			
	23	0.00	0.00	0.00	0.00	1.08	1.38	2.50	16.40	0.85	0.20	1.68	1.53			
	24	0.00	0.00	0.00	0.00	0.70	1.15	5.10	26.00	0.80	0.15	1.60	0.95			
	25	0.00	0.00	0.00	0.00	0.50	1.23	4.90	10.03	0.80	0.15	1.30	0.85			
	26	0.00	0.00	0.00	0.00	0.45	1.75	3.60	6.80	0.80	0.15	1.30	0.80			
	27	0.00	0.00	0.00	0.35	0.60	1.98	2.70	5.70	0.85	0.05	0.90	0.75			
	28	0.00	0.00	0.00	0.55	0.80	1.38	2.20	5.00	0.95	0.00	0.85	0.60			
	29	0.00	0.00	0.00	0.55	1.30	1.00	3.30	4.40	0.80	0.00		0.50			
	30	0.00	0.00	0.00	0.65	1.15	0.85	2.43	3.90	0.80	0.00		0.50			
	31		0.00		0.80	1.15		1.98		0.80	0.00		0.75			
Total		0.00	0.05	0.00	2.90	33.59	36.85	103.29	350.42	44.02	7.10	42.31	30.37	650.90	CMSDAY	
Mean		0.00	0.00	0.00	0.09	1.08	1.23	3.33	11.68	1.42	0.23	1.51	0.98	1.78	CMS	
Max		0.00	0.05	0.00	0.80	3.40	3.50	6.95	62.80	3.50	0.45	12.30	2.50	62.80	CMS	
Min		0.00	0.00	0.00	0.00	0.45	0.65	0.70	0.95	0.80	0.00	0.00	0.50	0.00	CMS	
Runoff		0.00	0.00	0.00	0.25	2.90	3.18	8.92	30.28	3.80	0.61	3.66	2.62	56.24	MCM	
Momentary Peak		129.30	129.30	CMS.	at 11.29 m. (MSL.)	at 04.00 Hours	, on Nov 19, 2021									
Runoff Yield		12.47		Liters/Second/Square KM.			Momentary Peak Yield	904.20			Liters/Second/Square KM.					

WATER YEAR : 2021**WEST COAST - GULF BASIN****Khlong Krut at Ban Nong Ya Plong , Prachuap Khiri Khan (Gt.10)**

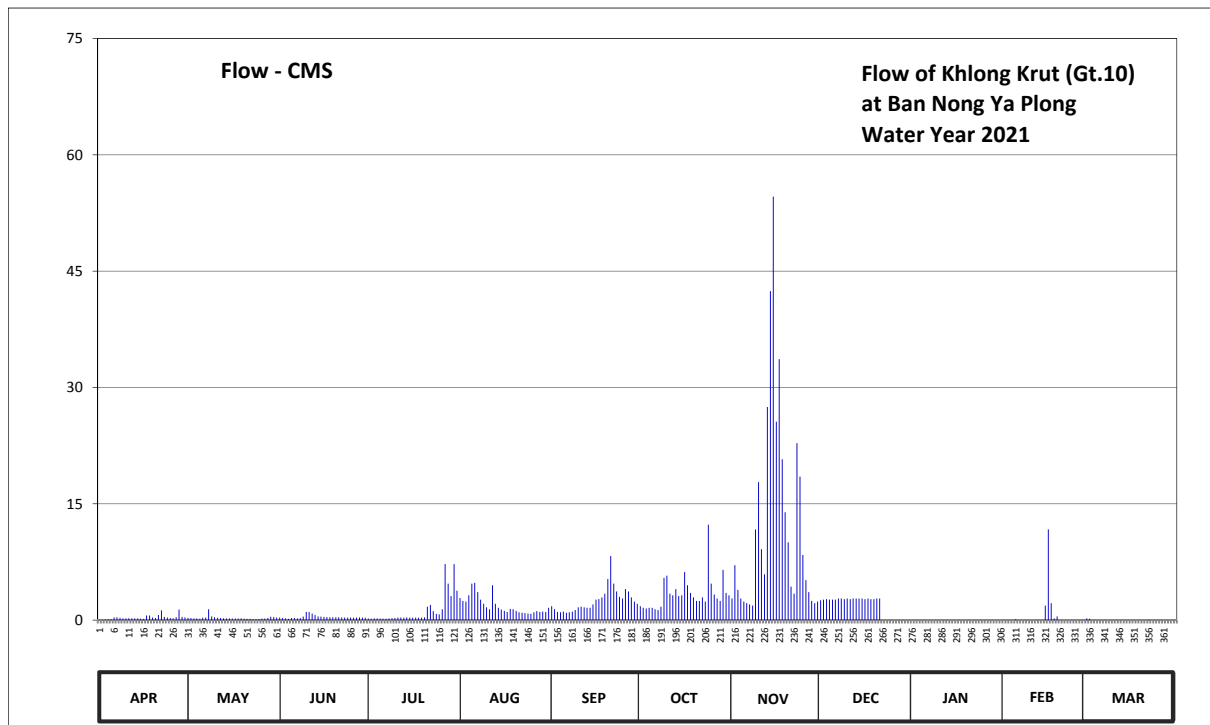
Lat 11 - 24 - 15 N Long 99 - 31 - 09 E

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.				
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	Stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +27.220 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 29 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	23.72	23.87	23.90	23.82	24.38	24.24	24.24	24.37	24.34	23.50	23.38	23.83	
2	23.72	23.86	23.86	23.81	24.33	24.18	24.21	24.74	24.35	23.48	23.38	23.81	
3	23.75	23.84	23.84	23.84	24.32	24.11	24.20	24.49	24.36	23.48	23.38	23.59	
4	23.76	23.83	23.80	23.83	24.42	24.10	24.21	24.37	24.35	23.47	23.38	23.54	
5	23.77	23.81	23.86	23.82	24.57	24.12	24.21	24.32	24.35	23.46	23.77	23.52	
6	23.91	23.88	23.86	23.81	24.58	24.09	24.18	24.29	24.35	23.46	23.59	23.51	
7	23.92	23.90	23.84	23.81	24.46	24.10	24.16	24.27	24.37	23.46	23.46	23.49	
8	23.87	24.18	23.85	23.84	24.35	24.12	24.23	24.25	24.37	23.45	23.43	23.53	
9	23.84	23.98	23.97	23.85	24.28	24.16	24.63	25.04	24.36	23.45	23.43	23.56	
10	23.83	23.92	24.11	23.86	24.22	24.22	24.65	25.32	24.37	23.45	23.42	23.50	
11	23.85	23.88	24.11	23.90	24.18	24.23	24.44	24.88	24.36	23.44	23.41	23.48	
12	23.83	23.86	24.07	23.89	24.55	24.22	24.42	24.66	24.37	23.45	23.41	23.47	
13	23.83	23.84	24.03	23.88	24.28	24.21	24.50	25.62	24.37	23.45	23.41	23.45	
14	23.83	23.83	23.99	23.91	24.21	24.21	24.41	25.93	24.37	23.44	23.48	23.44	
15	23.81	23.83	23.97	23.89	24.17	24.27	24.42	26.14	24.37	23.44	24.25	23.44	
16	23.80	23.82	23.95	23.88	24.14	24.35	24.68	25.57	24.36	23.43	25.04	23.43	
17	24.02	23.82	23.94	23.89	24.11	24.36	24.55	25.76	24.37	23.43	24.29	23.42	
18	24.02	23.82	23.92	23.88	24.19	24.39	24.45	25.43	24.36	23.43	23.84	23.41	
19	23.89	23.83	23.93	23.89	24.18	24.44	24.39	25.15	24.36	23.42	23.99	23.41	
20	23.86	23.81	23.93	23.91	24.14	24.62	24.33	24.94	24.37	23.42	23.69	23.41	
21	24.03	23.80	23.92	24.23	24.10	24.82	24.33	24.53	24.37	23.41	23.63	23.48	
22	24.15	23.80	23.91	24.26	24.09	24.57	24.39	24.44	23.55	23.42	23.63	23.74	
23	23.95	23.78	23.90	24.13	24.08	24.47	24.32	25.49	23.54	23.42	23.60	23.65	
24	23.89	23.77	23.89	24.06	24.07	24.40	25.07	25.35	23.54	23.41	23.55	23.60	
25	23.86	23.79	23.89	24.05	24.06	24.37	24.57	24.83	23.54	23.40	23.52	23.60	
26	23.85	23.82	23.88	24.18	24.10	24.50	24.43	24.61	23.55	23.40	23.52	23.52	
27	23.93	23.82	23.90	24.75	24.13	24.47	24.37	24.46	23.54	23.40	23.49	23.51	
28	24.17	23.87	23.91	24.57	24.11	24.39	24.33	24.33	23.53	23.39	23.51	23.50	
29	23.95	23.96	23.90	24.41	24.12	24.32	24.70	24.29	23.52	23.39		23.52	
30	23.91	23.94	23.88	24.75	24.11	24.28	24.45	24.32	23.51	23.39		23.58	
31		23.90		24.48	24.21		24.42		23.50	23.39		23.61	
Mean	23.88	23.86	23.92	24.03	24.23	24.31	24.42	24.87	24.09	23.43	23.64	23.53	
Max	24.17	24.18	24.11	24.75	24.58	24.82	25.07	26.14	24.37	23.50	25.04	23.83	26.14
Min	23.72	23.77	23.80	23.81	24.06	24.09	24.16	24.25	23.50	23.39	23.38	23.41	23.38
Annual Max Momentary Gage Height	27.55		m. (MSL.) ,				at 11.00 Hours ,	on Nov 17, 2021					
Zero Gage at Bottom Elevation		25.40		m. (MSL.) ,		River Bed	23.50		m. (MSL.)				
Left Bank Elevation		27.21		m. (MSL.) ,									
Right Bank Elevation		27.35		m. (MSL.) ,		Drainage Are	112		Square Kilometers				



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.03	0.28	0.33	0.20	2.85	1.80	1.80	2.78	2.55	0.00	0.00	0.22	
2	0.03	0.27	0.27	0.18	2.48	1.40	1.58	7.07	2.63	0.00	0.00	0.18	
3	0.08	0.23	0.23	0.23	2.40	1.05	1.50	3.90	2.70	0.00	0.00	0.00	
4	0.10	0.22	0.17	0.22	3.20	1.00	1.58	2.78	2.63	0.00	0.00	0.00	
5	0.12	0.18	0.27	0.20	4.70	1.10	1.58	2.40	2.63	0.00	0.12	0.00	
6	0.35	0.30	0.27	0.18	4.80	0.95	1.40	2.18	2.63	0.00	0.00	0.00	
7	0.37	0.33	0.23	0.18	3.60	1.00	1.30	2.03	2.78	0.00	0.00	0.00	
8	0.28	1.40	0.25	0.23	2.63	1.10	1.73	1.88	2.78	0.00	0.00	0.00	
9	0.23	0.47	0.45	0.25	2.10	1.30	5.44	11.70	2.70	0.00	0.00	0.00	
10	0.22	0.37	1.05	0.27	1.65	1.65	5.74	17.78	2.78	0.00	0.00	0.00	
11	0.25	0.30	1.05	0.33	1.40	1.73	3.40	9.13	2.70	0.00	0.00	0.00	
12	0.22	0.27	0.85	0.32	4.50	1.65	3.20	5.89	2.78	0.00	0.00	0.00	
13	0.22	0.23	0.65	0.30	2.10	1.58	4.00	27.48	2.78	0.00	0.00	0.00	
14	0.22	0.22	0.48	0.35	1.58	1.58	3.10	42.42	2.78	0.00	0.00	0.00	
15	0.18	0.22	0.45	0.32	1.35	2.03	3.20	54.60	2.78	0.00	1.88	0.00	
16	0.17	0.20	0.42	0.30	1.20	2.63	6.18	25.57	2.70	0.00	11.70	0.00	
17	0.60	0.20	0.40	0.32	1.05	2.70	4.50	33.64	2.78	0.00	2.18	0.00	
18	0.60	0.20	0.37	0.30	1.45	2.93	3.50	20.74	2.70	0.00	0.23	0.00	
19	0.32	0.22	0.38	0.32	1.40	3.40	2.93	13.90	2.70	0.00	0.48	0.00	
20	0.27	0.18	0.38	0.35	1.20	5.30	2.48	10.02	2.78	0.00	0.00	0.00	
21	0.65	0.17	0.37	1.73	1.00	8.25	2.48	4.30	2.78	0.00	0.00	0.00	
22	1.25	0.17	0.35	1.95	0.95	4.70	2.93	3.40	0.00	0.00	0.00	0.07	
23	0.42	0.13	0.33	1.15	0.90	3.70	2.40	22.81	0.00	0.00	0.00	0.00	
24	0.32	0.12	0.32	0.80	0.85	3.00	12.30	18.50	0.00	0.00	0.00	0.00	
25	0.27	0.15	0.32	0.75	0.80	2.78	4.70	8.39	0.00	0.00	0.00	0.00	
26	0.25	0.20	0.30	1.40	1.00	4.00	3.30	5.15	0.00	0.00	0.00	0.00	
27	0.38	0.20	0.33	7.21	1.15	3.70	2.78	3.60	0.00	0.00	0.00	0.00	
28	1.35	0.28	0.35	4.70	1.05	2.93	2.48	2.48	0.00	0.00	0.00	0.00	
29	0.42	0.43	0.33	3.10	1.10	2.40	6.48	2.18	0.00	0.00		0.00	
30	0.35	0.40	0.30	7.21	1.05	2.10	3.50	2.40	0.00	0.00		0.00	
31		0.33		3.80	1.58		3.20		0.00	0.00		0.00	
Total	10.52	8.87	12.25	39.15	59.07	75.44	106.69	371.10	57.07	0.00	16.59	0.47	757.22 CMSDAY
Mean	0.35	0.29	0.41	1.26	1.91	2.51	3.44	12.37	1.84	0.00	0.59	0.02	2.07 CMS
Max	1.35	1.40	1.05	7.21	4.80	8.25	12.30	54.60	2.78	0.00	11.70	0.22	54.60 CMS
Min	0.03	0.12	0.17	0.18	0.80	0.95	1.30	1.88	0.00	0.00	0.00	0.00	0.00 CMS
Runoff	0.91	0.77	1.06	3.38	5.10	6.52	9.22	32.06	4.93	0.00	1.43	0.04	65.42 MCM
Momentary Peak	154.20 CMS. at 27.55 m. (MSL.) at 11.00 Hours , on Nov 17, 2021												
Runoff Yield	18.52	Liters/Second/Square KM.		Momentary Peak Yield		1376.79	Liters/Second/Square KM.						

Khlong Yai at Ban Chang Laek , Prachuap Khiri Khan (Gt.11)

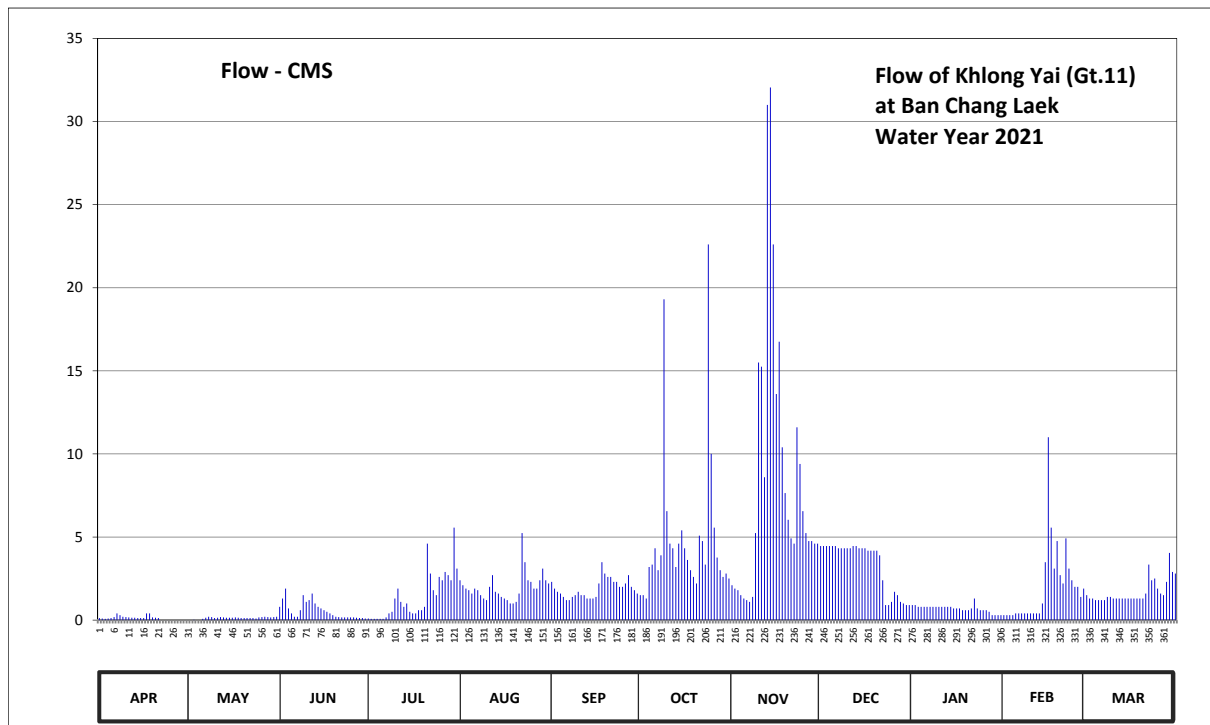
Lat 11 - 03 - 52 N Long 99 - 22 - 20 E

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	+45.340 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 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	37.96	37.89	38.06	37.95	38.22	38.21	38.13	38.19	38.39	38.07	38.01	38.13	
2	37.95	37.90	38.11	37.94	38.19	38.17	38.13	38.17	38.39	38.07	38.01	38.11	
3	37.94	37.91	38.17	37.94	38.17	38.15	38.11	38.16	38.39	38.06	38.01	38.11	
4	37.95	37.90	38.05	37.94	38.16	38.14	38.30	38.13	38.39	38.06	38.01	38.10	
5	37.96	37.89	38.02	37.94	38.14	38.12	38.31	38.11	38.39	38.06	38.02	38.10	
6	37.99	37.94	38.00	37.94	38.17	38.10	38.38	38.10	38.39	38.06	38.02	38.10	
7	38.02	37.97	38.00	37.98	38.16	38.10	38.28	38.09	38.38	38.06	38.02	38.10	
8	38.01	38.00	38.04	38.02	38.13	38.12	38.35	38.12	38.38	38.06	38.02	38.12	
9	38.00	37.99	38.13	38.03	38.11	38.13	39.11	38.44	38.38	38.06	38.02	38.12	
10	37.99	37.96	38.09	38.11	38.10	38.15	38.52	38.96	38.38	38.06	38.02	38.11	
11	37.98	37.97	38.10	38.17	38.18	38.13	38.40	38.95	38.38	38.06	38.02	38.11	
12	37.97	37.99	38.14	38.09	38.25	38.13	38.38	38.63	38.39	38.06	38.02	38.11	
13	37.97	37.98	38.08	38.06	38.15	38.11	38.30	39.50	38.39	38.06	38.02	38.11	
14	37.96	37.97	38.06	38.08	38.14	38.11	38.40	39.53	38.38	38.06	38.08	38.11	
15	37.96	37.97	38.05	38.03	38.12	38.11	38.45	39.22	38.38	38.05	38.32	38.11	
16	37.96	37.97	38.04	38.02	38.11	38.12	38.38	38.88	38.38	38.05	38.75	38.11	
17	38.02	37.98	38.03	38.02	38.10	38.20	38.33	39.01	38.37	38.05	38.46	38.11	
18	38.02	37.97	38.02	38.04	38.08	38.32	38.28	38.72	38.37	38.04	38.29	38.11	
19	37.98	37.96	38.01	38.04	38.08	38.26	38.24	38.58	38.37	38.04	38.41	38.11	
20	37.97	37.96	38.00	38.06	38.09	38.24	38.20	38.49	38.37	38.04	38.25	38.11	
21	37.96	37.96	37.99	38.40	38.14	38.24	38.43	38.42	38.35	38.05	38.20	38.14	
22	37.90	37.96	37.98	38.26	38.44	38.21	38.41	38.40	38.22	38.11	38.42	38.31	
23	37.89	37.96	37.98	38.16	38.32	38.21	38.31	38.78	38.07	38.05	38.29	38.22	
24	37.89	37.95	37.98	38.13	38.22	38.18	39.22	38.67	38.07	38.04	38.22	38.23	
25	37.89	37.98	37.98	38.24	38.21	38.18	38.70	38.52	38.09	38.04	38.18	38.17	
26	37.88	37.99	37.98	38.22	38.17	38.20	38.46	38.44	38.15	38.04	38.18	38.14	
27	37.88	38.00	37.97	38.27	38.17	38.25	38.34	38.41	38.13	38.03	38.12	38.13	
28	37.89	37.99	37.96	38.25	38.22	38.18	38.28	38.41	38.09	38.01	38.17	38.21	
29	37.89	37.98	37.96	38.22	38.29	38.16	38.24	38.40	38.08	38.01		38.36	
30	37.89	37.99	37.95	38.46	38.22	38.14	38.26	38.40	38.07	38.01		38.27	
31		38.00		38.29	38.20		38.23		38.07	38.01		38.26	
Mean	37.95	37.96	38.03	38.11	38.18	38.17	38.38	38.56	38.29	38.05	38.16	38.15	
Max	38.02	38.00	38.17	38.46	38.44	38.32	39.22	39.53	38.39	38.11	38.75	38.36	39.53
Min	37.88	37.89	37.95	37.94	38.08	38.10	38.11	38.09	38.07	38.01	38.01	38.10	37.88
Annual Max Momentary Gage Height	40.71		m. (MSL.) ,		at 16.00 Hours , on Nov 13, 2021								
Zero Gage at Bottom Elevation	37.60		m. (MSL.) ,		River Bed	37.76	m. (MSL.)						
Left Bank Elevation	42.40		m. (MSL.) ,										
Right Bank Elevation	42.26		m. (MSL.) ,		Drainage Are	58	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.12	0.00	0.80	0.10	2.40	2.30	1.50	2.10	4.46	0.90	0.30	1.50		
2	0.10	0.00	1.30	0.08	2.10	1.90	1.50	1.90	4.46	0.90	0.30	1.30		
3	0.08	0.02	1.90	0.08	1.90	1.70	1.30	1.80	4.46	0.80	0.30	1.30		
4	0.10	0.00	0.70	0.08	1.80	1.60	3.20	1.50	4.46	0.80	0.30	1.20		
5	0.12	0.00	0.40	0.08	1.60	1.40	3.34	1.30	4.46	0.80	0.40	1.20		
6	0.18	0.08	0.20	0.08	1.90	1.20	4.32	1.20	4.46	0.80	0.40	1.20		
7	0.40	0.14	0.20	0.16	1.80	1.20	3.00	1.10	4.32	0.80	0.40	1.20		
8	0.30	0.20	0.60	0.40	1.50	1.40	3.90	1.40	4.32	0.80	0.40	1.40		
9	0.20	0.18	1.50	0.50	1.30	1.50	19.30	5.24	4.32	0.80	0.40	1.40		
10	0.18	0.12	1.10	1.30	1.20	1.70	6.56	15.50	4.32	0.80	0.40	1.30		
11	0.16	0.14	1.20	1.90	2.00	1.50	4.60	15.25	4.32	0.80	0.40	1.30		
12	0.14	0.18	1.60	1.10	2.70	1.50	4.32	8.60	4.46	0.80	0.40	1.30		
13	0.14	0.16	1.00	0.80	1.70	1.30	3.20	31.00	4.46	0.80	0.40	1.30		
14	0.12	0.14	0.80	1.00	1.60	1.30	4.60	32.05	4.32	0.80	1.00	1.30		
15	0.12	0.14	0.70	0.50	1.40	1.30	5.40	22.60	4.32	0.70	3.48	1.30		
16	0.12	0.14	0.60	0.40	1.30	1.40	4.32	13.60	4.32	0.70	11.00	1.30		
17	0.40	0.16	0.50	0.40	1.20	2.20	3.62	16.75	4.18	0.70	5.56	1.30		
18	0.40	0.14	0.40	0.60	1.00	3.48	3.00	10.40	4.18	0.60	3.10	1.30		
19	0.16	0.12	0.30	0.60	1.00	2.80	2.60	7.64	4.18	0.60	4.76	1.30		
20	0.14	0.12	0.20	0.80	1.10	2.60	2.20	6.04	4.18	0.60	2.70	1.30		
21	0.12	0.12	0.18	4.60	1.60	2.60	5.08	4.92	3.90	0.70	2.20	1.60		
22	0.00	0.12	0.16	2.80	5.24	2.30	4.76	4.60	2.40	1.30	4.92	3.34		
23	0.00	0.12	0.16	1.80	3.48	2.30	3.34	11.60	0.90	0.70	3.10	2.40		
24	0.00	0.10	0.16	1.50	2.40	2.00	22.60	9.40	0.90	0.60	2.40	2.50		
25	0.00	0.16	0.16	2.60	2.30	2.00	10.00	6.56	1.10	0.60	2.00	1.90		
26	0.00	0.18	0.16	2.40	1.90	2.20	5.56	5.24	1.70	0.60	2.00	1.60		
27	0.00	0.20	0.14	2.90	1.90	2.70	3.76	4.76	1.50	0.50	1.40	1.50		
28	0.00	0.18	0.12	2.70	2.40	2.00	3.00	4.76	1.10	0.30	1.90	2.30		
29	0.00	0.16	0.12	2.40	3.10	1.80	2.60	4.60	1.00	0.30		4.04		
30	0.00	0.18	0.10	5.56	2.40	1.60	2.80	4.60	0.90	0.30		2.90		
31		0.20		3.10	2.20		2.50		0.90	0.30		2.80		
Total	3.80	3.90	17.46	43.32	61.42	56.78	151.78	258.01	103.26	21.50	56.32	52.88	830.43	CMSDAY
Mean	0.13	0.13	0.58	1.40	1.98	1.89	4.90	8.60	3.33	0.69	2.01	1.71	2.28	CMS
Max	0.40	0.20	1.90	5.56	5.24	3.48	22.60	32.05	4.46	1.30	11.00	4.04	32.05	CMS
Min	0.00	0.00	0.10	0.08	1.00	1.20	1.30	1.10	0.90	0.30	0.30	1.20	0.00	CMS
Runoff	0.33	0.34	1.51	3.74	5.31	4.91	13.11	22.29	8.92	1.86	4.87	4.57	71.75	MCM
Momentary Peak	80.50	CMS. at 40.71 m. (MSL.) at 16.00 Hours , on Nov 13, 2021												
Runoff Yield	39.23	Liters/Second/Square KM.					Momentary Peak Yield	1387.93	Liters/Second/Square KM.					

WATER YEAR : 2021**WEST COAST - GULF BASIN****Huai Yang at Ban Huai Yang , Prachuap Khiri Khan (Gt.17)**

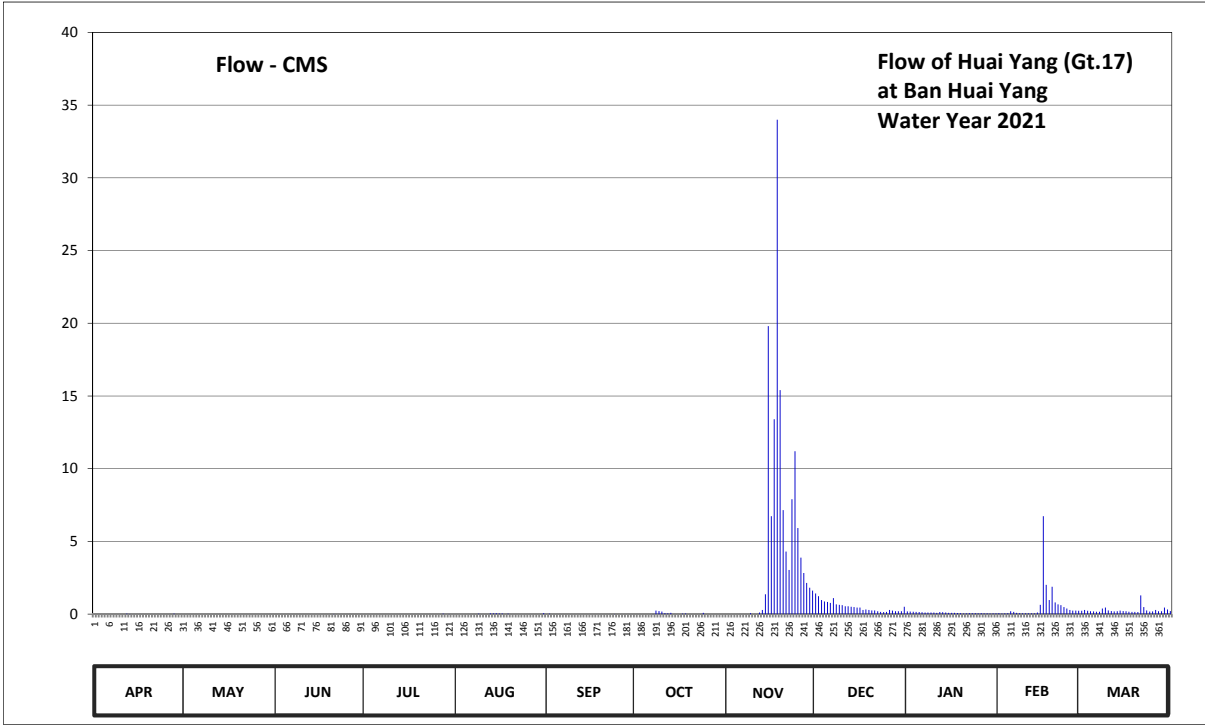
Lat 11 - 36 - 54 N Long 99 - 39 - 58 E

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
Drainage 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 16 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.90	8.99	8.95	8.91	8.98	8.92	9.00	8.85	9.48	9.15	9.05	9.18	
2	8.95	8.98	8.95	8.90	8.95	9.02	8.98	8.85	9.45	9.14	9.03	9.21	
3	8.92	8.98	8.96	8.90	8.98	8.85	8.83	8.85	9.41	9.13	9.04	9.18	
4	8.92	8.96	8.96	8.89	8.95	8.70	8.88	8.86	9.39	9.12	9.05	9.16	
5	8.93	8.95	8.95	8.90	8.95	8.80	8.89	8.86	9.38	9.11	9.16	9.15	
6	8.94	8.95	8.95	8.87	8.94	8.70	8.86	8.85	9.36	9.10	9.12	9.13	
7	8.92	8.96	8.92	8.86	8.97	8.74	9.01	8.84	9.43	9.09	9.07	9.13	
8	8.92	8.96	8.89	8.87	8.97	8.80	9.19	8.83	9.33	9.09	9.05	9.24	
9	8.91	8.97	8.98	8.89	9.02	8.71	9.17	9.05	9.32	9.09	9.04	9.26	
10	8.91	8.97	8.93	8.97	8.98	8.72	9.14	8.98	9.31	9.09	9.04	9.20	
11	8.89	8.95	8.96	8.89	8.97	8.72	9.05	8.93	9.29	9.07	9.04	9.17	
12	9.02	8.92	8.96	8.87	8.99	8.74	9.04	9.09	9.29	9.11	9.04	9.15	
13	9.01	8.90	8.97	8.87	9.04	8.76	9.07	9.21	9.28	9.10	9.04	9.16	
14	8.97	8.94	8.97	8.87	9.04	8.76	9.00	9.47	9.27	9.09	9.09	9.19	
15	8.95	8.90	8.98	8.88	9.05	8.76	9.00	10.74	9.26	9.07	9.32	9.17	
16	8.94	8.91	9.00	8.89	9.03	8.76	9.00	9.98	9.26	9.07	9.98	9.16	
17	8.94	8.88	8.99	8.88	9.03	8.74	9.02	10.42	9.21	9.07	9.57	9.13	
18	8.93	8.89	8.98	8.87	8.98	8.73	9.03	11.30	9.22	9.06	9.41	9.12	
19	8.94	8.88	8.97	8.94	9.02	8.72	9.00	10.52	9.21	9.05	9.55	9.12	
20	8.94	8.92	8.97	8.90	8.99	8.82	8.97	10.01	9.20	9.03	9.37	9.11	
21	8.92	9.00	9.01	8.90	8.98	8.89	8.95	9.80	9.20	9.04	9.33	9.46	
22	8.92	8.89	8.95	8.89	8.99	8.82	8.96	9.68	9.16	9.05	9.31	9.27	
23	8.92	8.87	8.94	8.88	8.94	8.83	8.93	10.06	9.12	9.05	9.27	9.20	
24	8.93	8.89	8.94	8.89	8.93	9.01	9.07	10.28	9.11	9.05	9.24	9.14	
25	8.92	8.91	8.94	8.89	8.92	8.90	9.00	9.92	9.12	9.04	9.21	9.15	
26	8.93	8.89	8.94	8.88	8.93	9.00	8.98	9.76	9.21	9.05	9.19	9.21	
27	8.92	8.89	8.95	8.94	8.95	8.94	8.96	9.66	9.19	9.04	9.19	9.16	
28	9.02	8.88	8.94	9.02	8.94	8.92	8.94	9.59	9.16	9.04	9.18	9.16	
29	8.91	8.90	8.93	8.93	8.93	8.97	8.93	9.54	9.16	9.03		9.26	
30	8.96	8.91	8.93	9.01	8.94	8.85	8.92	9.51	9.16	9.04		9.22	
31		8.96		8.96	9.05		8.87		9.28	9.04		9.17	
Mean	8.94	8.93	8.96	8.90	8.98	8.82	8.99	9.54	9.27	9.07	9.21	9.18	
Max	9.02	9.00	9.01	9.02	9.05	9.02	9.19	11.30	9.48	9.15	9.98	9.46	11.30
Min	8.89	8.87	8.89	8.86	8.92	8.70	8.83	8.83	9.11	9.03	9.03	9.11	8.70
Annual Max Momentary Gage Height	12.67		m. (MSL.) ,			at 18.00 Hours ,	on Nov 18, 2021						
Zero Gage at Bottom Elevation		8.80	m. (MSL.) ,			River Bed	8.94	m. (MSL.)					
Left Bank Elevation		14.54	m. (MSL.) ,										
Right Bank Elevation		14.56	m. (MSL.) ,			Drainage Are	51	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual		
	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.19	0.06	0.23			
	2	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	1.23	0.18	0.04	0.28			
	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.16	0.05	0.23			
	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.15	0.06	0.20			
	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.14	0.20	0.19			
	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.13	0.15	0.16			
	7	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.10	0.11	0.09	0.16			
	8	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.67	0.11	0.06	0.38			
	9	0.00	0.00	0.00	0.00	0.03	0.00	0.21	0.06	0.64	0.11	0.05	0.45			
	10	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.61	0.11	0.05	0.25			
	11	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.54	0.09	0.05	0.21			
	12	0.03	0.00	0.00	0.00	0.00	0.00	0.05	0.11	0.54	0.14	0.05	0.19			
	13	0.01	0.00	0.00	0.00	0.05	0.00	0.09	0.28	0.51	0.13	0.05	0.20			
	14	0.00	0.00	0.00	0.00	0.05	0.00	0.00	1.36	0.48	0.11	0.11	0.24			
	15	0.00	0.00	0.00	0.00	0.06	0.00	0.00	19.80	0.45	0.09	0.64	0.21			
	16	0.00	0.00	0.00	0.00	0.04	0.00	0.00	6.73	0.45	0.09	6.73	0.20			
	17	0.00	0.00	0.00	0.00	0.04	0.00	0.03	13.40	0.28	0.09	2.01	0.16			
	18	0.00	0.00	0.00	0.00	0.00	0.00	0.04	34.00	0.32	0.08	0.97	0.15			
	19	0.00	0.00	0.00	0.00	0.03	0.00	0.00	15.40	0.28	0.06	1.88	0.15			
	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.15	0.25	0.04	0.80	0.14			
	21	0.00	0.00	0.01	0.00	0.00	0.00	0.00	4.30	0.25	0.05	0.67	1.29			
	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	0.20	0.06	0.61	0.48			
	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.90	0.15	0.06	0.48	0.25			
	24	0.00	0.00	0.00	0.00	0.00	0.01	0.09	11.20	0.14	0.06	0.38	0.18			
	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.92	0.15	0.05	0.28	0.19			
	26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.88	0.28	0.06	0.24	0.28			
	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.83	0.24	0.05	0.24	0.20			
	28	0.03	0.00	0.00	0.03	0.00	0.00	0.00	2.14	0.20	0.05	0.23	0.20			
	29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.20	0.04		0.45			
	30	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.62	0.20	0.05		0.32			
	31		0.00		0.00	0.06		0.00		0.51	0.05		0.21			
Total		0.07	0.00	0.01	0.04	0.36	0.04	1.00	142.93	15.74	2.89	17.23	8.43	188.74	CMSDAY	
Mean		0.00	0.00	0.00	0.00	0.01	0.00	0.03	4.76	0.51	0.09	0.62	0.27	0.52	CMS	
Max		0.03	0.00	0.01	0.03	0.06	0.03	0.24	34.00	1.42	0.19	6.73	1.29	34.00	CMS	
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.04	0.04	0.14	0.00	CMS	
Runoff		0.01	0.00	0.00	0.00	0.03	0.00	0.09	12.35	1.36	0.25	1.49	0.73	16.31	MCM	
Momentary Peak		90.55	CMS. at 12.67 m. (MSL.) at 18.00 Hours , on Nov 18, 2021													
Runoff Yield		10.14	Liters/Second/Square KM.		Momentary Peak Yield		1775.49	Liters/Second/Square KM.								

WATER YEAR : 2021**WEST COAST - GULF BASIN****Khlong Cha Kra at Ban Cha Kra Bon , Prachuap Khiri Khan (Gt.18)**

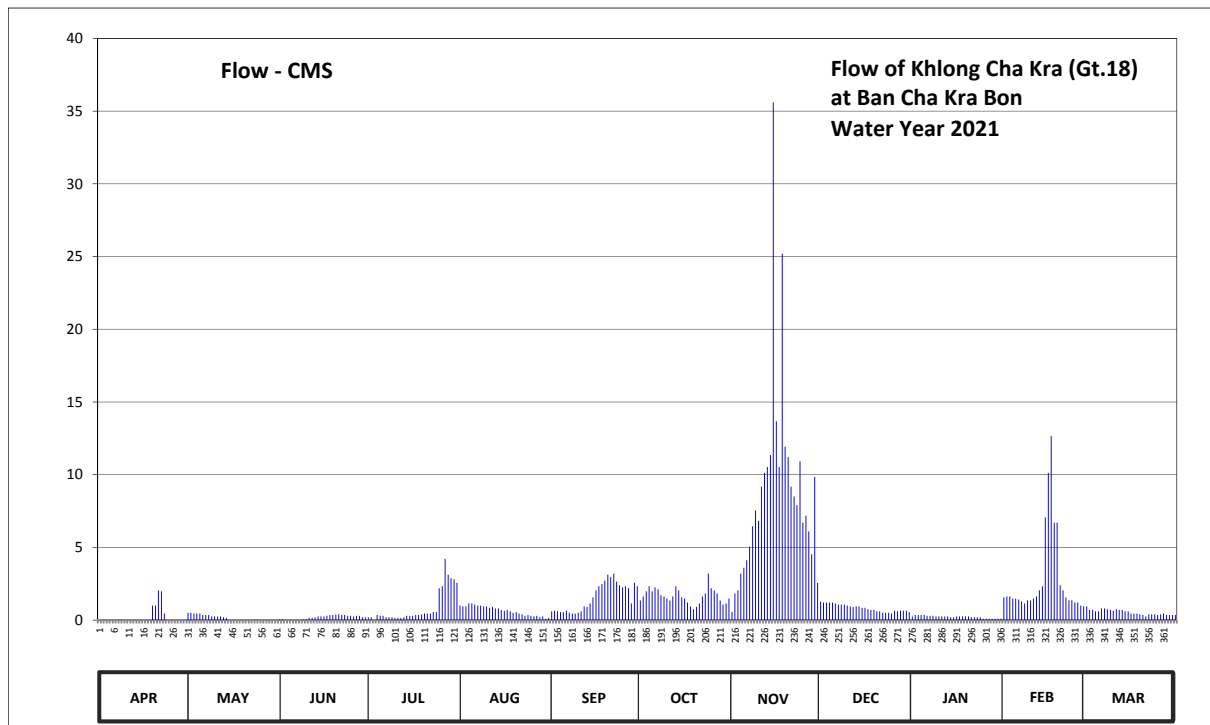
Lat 11 - 26 - 50 N Long 99 - 33 - 58 E

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.				
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 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	12.24	12.40	12.31	12.34	12.50	12.42	12.55	12.41	12.54	12.35	12.58	12.49	
2	12.24	12.40	12.31	12.34	12.49	12.43	12.59	12.62	12.53	12.37	12.59	12.44	
3	12.24	12.39	12.30	12.25	12.49	12.42	12.64	12.65	12.53	12.37	12.59	12.44	
4	12.24	12.39	12.30	12.37	12.52	12.41	12.69	12.80	12.53	12.37	12.57	12.42	
5	12.24	12.39	12.30	12.36	12.52	12.41	12.64	12.85	12.53	12.37	12.57	12.42	
6	12.24	12.37	12.29	12.36	12.51	12.43	12.68	12.91	12.52	12.36	12.56	12.46	
7	12.24	12.37	12.29	12.34	12.50	12.40	12.66	13.00	12.51	12.36	12.54	12.46	
8	12.24	12.37	12.29	12.34	12.50	12.39	12.60	13.13	12.51	12.36	12.52	12.45	
9	12.24	12.35	12.31	12.34	12.49	12.39	12.59	13.22	12.51	12.35	12.55	12.44	
10	12.24	12.35	12.31	12.33	12.49	12.40	12.57	13.16	12.50	12.35	12.55	12.43	
11	12.27	12.35	12.33	12.33	12.47	12.42	12.55	13.35	12.49	12.35	12.57	12.45	
12	12.24	12.35	12.33	12.33	12.48	12.49	12.59	13.42	12.48	12.35	12.59	12.44	
13	12.27	12.34	12.34	12.34	12.46	12.48	12.69	13.45	12.49	12.35	12.65	12.44	
14	12.27	12.33	12.35	12.36	12.46	12.52	12.65	13.51	12.49	12.34	12.69	12.42	
15	12.27	12.29	12.35	12.36	12.44	12.58	12.58	14.86	12.47	12.34	13.18	12.42	
16	12.29	12.27	12.35	12.36	12.43	12.65	12.57	13.67	12.47	12.35	13.42	12.39	
17	12.30	12.27	12.36	12.37	12.44	12.69	12.53	13.45	12.45	12.35	13.60	12.39	
18	12.30	12.25	12.37	12.37	12.42	12.71	12.49	14.36	12.44	12.35	13.15	12.39	
19	12.50	12.25	12.37	12.38	12.40	12.74	12.45	13.55	12.44	12.35	13.15	12.38	
20	12.50	12.25	12.38	12.39	12.41	12.79	12.48	13.50	12.42	12.35	12.70	12.37	
21	12.65	12.24	12.38	12.39	12.39	12.77	12.52	13.35	12.42	12.34	12.65	12.35	
22	12.64	12.22	12.37	12.39	12.38	12.80	12.59	13.30	12.40	12.34	12.58	12.38	
23	12.39	12.22	12.37	12.41	12.36	12.73	12.62	13.25	12.40	12.34	12.55	12.38	
24	12.30	12.22	12.36	12.41	12.37	12.70	12.80	13.48	12.40	12.34	12.55	12.38	
25	12.30	12.21	12.36	12.67	12.36	12.68	12.67	13.15	12.39	12.32	12.53	12.37	
26	12.30	12.19	12.35	12.69	12.35	12.69	12.65	13.19	12.43	12.32	12.53	12.38	
27	12.29	12.19	12.36	12.92	12.36	12.67	12.62	13.10	12.42	12.32	12.50	12.39	
28	12.29	12.19	12.36	12.79	12.34	12.52	12.55	12.95	12.43	12.32	12.49	12.37	
29	12.24	12.19	12.34	12.76	12.35	12.72	12.51	13.40	12.43	12.32		12.37	
30	12.24	12.19	12.34	12.75	12.32	12.69	12.52	12.72	12.43	12.32		12.37	
31		12.19		12.72	12.33		12.57		12.41	12.32		12.37	
Mean	12.31	12.29	12.34	12.45	12.43	12.57	12.59	13.26	12.46	12.34	12.70	12.41	
Max	12.65	12.40	12.38	12.92	12.52	12.80	12.80	14.86	12.54	12.37	13.60	12.49	14.86
Min	12.24	12.19	12.29	12.25	12.32	12.39	12.45	12.41	12.39	12.32	12.49	12.35	12.19
Annual Max Momentary Gage Height	16.05		m. (MSL.) ,				at 19.00 Hours , on Nov 15, 2021						
Zero Gage at Bottom Elevation	11.70		m. (MSL.) ,			River Bed	11.76	m. (MSL.)					
Left Bank Elevation		17.26	m. (MSL.) ,										
Right Bank Elevation		17.29	m. (MSL.) ,			Drainage Are	91	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.50	0.05	0.20	1.00	0.60	1.35	0.55	1.28	0.25	1.56	0.95		
2	0.00	0.50	0.05	0.20	0.95	0.65	1.63	1.84	1.21	0.35	1.63	0.70		
3	0.00	0.45	0.00	0.00	0.95	0.60	1.98	2.05	1.21	0.35	1.63	0.70		
4	0.00	0.45	0.00	0.35	1.14	0.55	2.33	3.20	1.21	0.35	1.49	0.60		
5	0.00	0.45	0.00	0.30	1.14	0.55	1.98	3.60	1.21	0.35	1.49	0.60		
6	0.00	0.35	0.00	0.30	1.07	0.65	2.26	4.11	1.14	0.30	1.42	0.80		
7	0.00	0.35	0.00	0.20	1.00	0.50	2.12	5.05	1.07	0.30	1.28	0.80		
8	0.00	0.35	0.00	0.20	1.00	0.45	1.70	6.46	1.07	0.30	1.14	0.75		
9	0.00	0.25	0.05	0.20	0.95	0.45	1.63	7.54	1.07	0.25	1.35	0.70		
10	0.00	0.25	0.05	0.15	0.95	0.50	1.49	6.82	1.00	0.25	1.35	0.65		
11	0.00	0.25	0.15	0.15	0.85	0.60	1.35	9.18	0.95	0.25	1.49	0.75		
12	0.00	0.25	0.15	0.15	0.90	0.95	1.63	10.12	0.90	0.25	1.63	0.70		
13	0.00	0.20	0.20	0.20	0.80	0.90	2.33	10.53	0.95	0.25	2.05	0.70		
14	0.00	0.15	0.25	0.30	0.80	1.14	2.05	11.35	0.95	0.20	2.33	0.60		
15	0.00	0.00	0.25	0.30	0.70	1.56	1.56	35.60	0.85	0.20	7.06	0.60		
16	0.00	0.00	0.25	0.30	0.65	2.05	1.49	13.67	0.85	0.25	10.12	0.45		
17	0.00	0.00	0.30	0.35	0.70	2.33	1.21	10.53	0.75	0.25	12.65	0.45		
18	0.00	0.00	0.35	0.35	0.60	2.48	0.95	25.20	0.70	0.25	6.70	0.45		
19	1.00	0.00	0.35	0.40	0.50	2.72	0.75	11.93	0.70	0.25	6.70	0.40		
20	1.00	0.00	0.40	0.45	0.55	3.12	0.90	11.20	0.60	0.25	2.40	0.35		
21	2.05	0.00	0.40	0.45	0.45	2.96	1.14	9.18	0.60	0.20	2.05	0.25		
22	1.98	0.00	0.35	0.45	0.40	3.20	1.63	8.50	0.50	0.20	1.56	0.40		
23	0.45	0.00	0.35	0.55	0.30	2.64	1.84	7.90	0.50	0.20	1.35	0.40		
24	0.00	0.00	0.30	0.55	0.35	2.40	3.20	10.93	0.50	0.20	1.35	0.40		
25	0.00	0.00	0.30	2.19	0.30	2.26	2.19	6.70	0.45	0.10	1.21	0.35		
26	0.00	0.00	0.25	2.33	0.25	2.33	2.05	7.18	0.65	0.10	1.21	0.40		
27	0.00	0.00	0.30	4.21	0.30	2.19	1.84	6.10	0.60	0.10	1.00	0.45		
28	0.00	0.00	0.30	3.12	0.20	1.14	1.35	4.53	0.65	0.10	0.95	0.35		
29	0.00	0.00	0.20	2.88	0.25	2.56	1.07	9.85	0.65	0.10		0.35		
30	0.00	0.00	0.20	2.80	0.10	2.33	1.14	2.56	0.65	0.10		0.35		
31		0.00		2.56	0.15		1.49		0.55	0.10		0.35		
Total	6.48	4.75	5.80	27.14	20.25	47.36	51.63	263.96	25.97	6.95	78.15	16.75	555.19	CMSDAY
Mean	0.22	0.15	0.19	0.88	0.65	1.58	1.67	8.80	0.84	0.22	2.79	0.54	1.52	CMS
Max	2.05	0.50	0.40	4.21	1.14	3.20	3.20	35.60	1.28	0.35	12.65	0.95	35.60	CMS
Min	0.00	0.00	0.00	0.00	0.10	0.45	0.75	0.55	0.45	0.10	0.95	0.25	0.00	CMS
Runoff	0.56	0.41	0.50	2.34	1.75	4.09	4.46	22.81	2.24	0.60	6.75	1.45	47.97	MCM
Momentary Peak	66.50	CMS. at 16.05 m. (MSL.) at 19.00 Hours , on Nov 15, 2021												
Runoff Yield	16.72	Liters/Second/Square KM.				Momentary Peak Yield				730.77	Liters/Second/Square KM.			

WATER YEAR : 2021**KUI BURI RIVER BASIN****Kui Buri River at Ban Thung Faek , Prachuap Khiri Khan (Ky.3)**

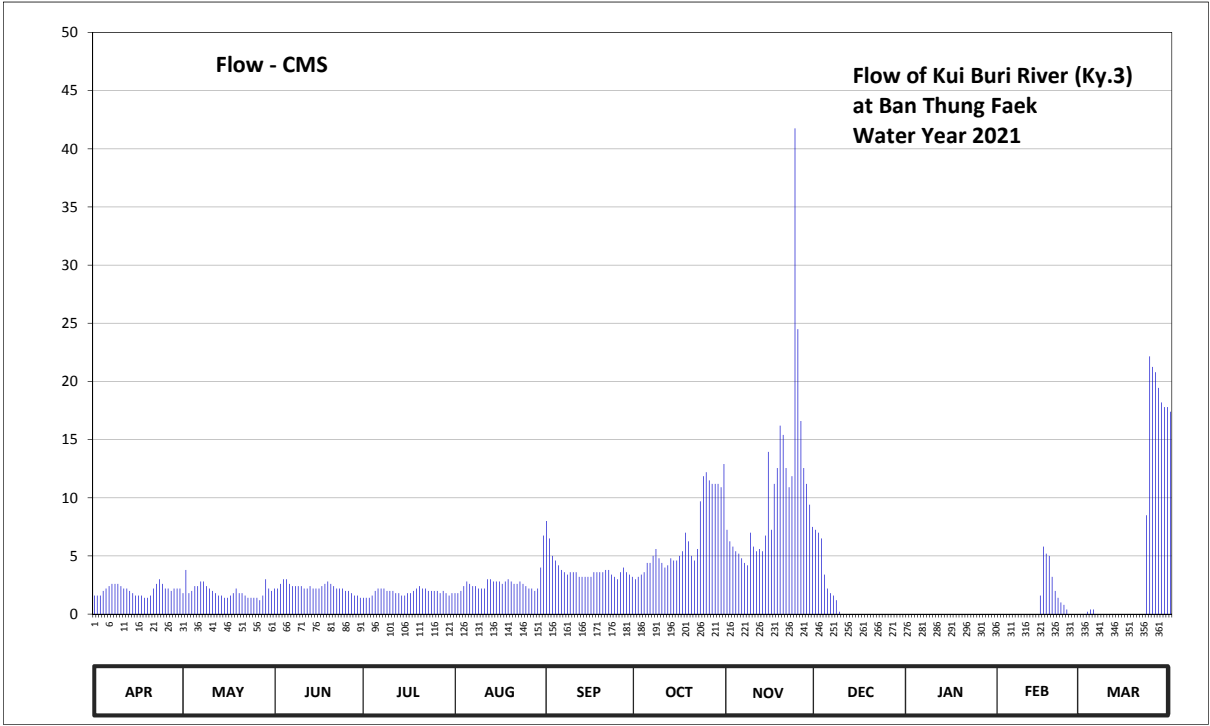
Lat 12 - 05 - 51 N Long 99 - 47 - 19 E

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	+25.925 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 8 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	20.48	20.49	20.51	20.47	20.49	20.78	20.55	20.75	20.75	20.31	20.34	20.37	
2	20.48	20.59	20.51	20.47	20.49	20.72	20.56	20.71	20.74	20.32	20.34	20.40	
3	20.48	20.49	20.53	20.47	20.50	20.65	20.57	20.69	20.72	20.35	20.35	20.41	
4	20.50	20.50	20.55	20.48	20.52	20.63	20.58	20.67	20.57	20.36	20.38	20.42	
5	20.51	20.52	20.55	20.50	20.54	20.61	20.62	20.66	20.51	20.37	20.40	20.42	
6	20.52	20.52	20.53	20.51	20.53	20.59	20.62	20.64	20.49	20.35	20.39	20.39	
7	20.53	20.54	20.52	20.51	20.52	20.58	20.65	20.62	20.48	20.33	20.37	20.38	
8	20.53	20.54	20.52	20.51	20.52	20.57	20.68	20.61	20.46	20.33	20.36	20.38	
9	20.53	20.52	20.52	20.50	20.51	20.58	20.64	20.74	20.41	20.33	20.36	20.38	
10	20.52	20.51	20.52	20.50	20.51	20.58	20.62	20.69	20.39	20.32	20.36	20.37	
11	20.51	20.50	20.51	20.50	20.51	20.58	20.60	20.67	20.37	20.32	20.35	20.36	
12	20.51	20.49	20.51	20.49	20.55	20.56	20.61	20.68	20.36	20.32	20.35	20.36	
13	20.50	20.48	20.52	20.49	20.55	20.56	20.64	20.67	20.35	20.31	20.35	20.36	
14	20.49	20.48	20.51	20.48	20.54	20.56	20.63	20.73	20.34	20.31	20.35	20.36	
15	20.48	20.47	20.51	20.48	20.54	20.56	20.63	20.97	20.34	20.31	20.48	20.35	
16	20.48	20.47	20.51	20.49	20.54	20.56	20.65	20.75	20.36	20.31	20.69	20.35	
17	20.48	20.48	20.52	20.49	20.53	20.58	20.67	20.89	20.38	20.32	20.66	20.38	
18	20.47	20.49	20.53	20.50	20.54	20.58	20.74	20.93	20.37	20.34	20.65	20.38	
19	20.47	20.51	20.54	20.51	20.55	20.58	20.71	21.03	20.37	20.36	20.56	20.38	
20	20.48	20.49	20.53	20.52	20.54	20.58	20.65	21.01	20.36	20.35	20.50	20.37	
21	20.51	20.49	20.52	20.51	20.53	20.59	20.63	20.93	20.34	20.34	20.47	20.36	
22	20.53	20.48	20.51	20.51	20.53	20.59	20.68	20.88	20.33	20.34	20.45	20.36	
23	20.55	20.47	20.51	20.50	20.54	20.57	20.84	20.91	20.33	20.33	20.44	20.80	
24	20.53	20.47	20.51	20.50	20.53	20.56	20.91	21.55	20.33	20.33	20.42	21.17	
25	20.51	20.47	20.50	20.50	20.52	20.55	20.92	21.22	20.32	20.33	20.40	21.15	
26	20.51	20.47	20.50	20.50	20.51	20.58	20.90	21.04	20.32	20.33	20.40	21.14	
27	20.50	20.46	20.49	20.49	20.51	20.60	20.89	20.93	20.32	20.35	20.38	21.11	
28	20.51	20.48	20.48	20.50	20.50	20.58	20.89	20.89	20.32	20.34	20.38	21.08	
29	20.51	20.55	20.48	20.49	20.51	20.57	20.89	20.83	20.32	20.34		21.07	
30	20.51	20.51	20.47	20.48	20.60	20.56	20.88	20.76	20.31	20.33		21.07	
31		20.50		20.49	20.73		20.94		20.31	20.34		21.06	
Mean	20.50	20.50	20.51	20.49	20.53	20.59	20.71	20.84	20.41	20.33	20.43	20.58	
Max	20.55	20.59	20.55	20.52	20.73	20.78	20.94	21.55	20.75	20.37	20.69	21.17	21.55
Min	20.47	20.46	20.47	20.47	20.49	20.55	20.55	20.61	20.31	20.31	20.34	20.35	20.31
Annual Max Momentary Gage Height	21.87		m. (MSL.) ,			at 04.00 Hours , on	Nov 24, 2021						
Zero Gage at Bottom Elevation		19.80	m. (MSL.) ,			River Bed	19.87	m. (MSL.)					
Left Bank Elevation		25.46	m. (MSL.) ,										
Right Bank Elevation		24.95	m. (MSL.) ,			Drainage Are	541	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.60	1.80	2.20	1.40	1.80	8.00	3.00	7.25	7.25	0.00	0.00	0.00		
2	1.60	3.80	2.20	1.40	1.80	6.50	3.20	6.25	7.00	0.00	0.00	0.00		
3	1.60	1.80	2.60	1.40	2.00	5.00	3.40	5.80	6.50	0.00	0.00	0.20		
4	2.00	2.00	3.00	1.60	2.40	4.60	3.60	5.40	3.40	0.00	0.00	0.40		
5	2.20	2.40	3.00	2.00	2.80	4.20	4.40	5.20	2.20	0.00	0.00	0.40		
6	2.40	2.40	2.60	2.20	2.60	3.80	4.40	4.80	1.80	0.00	0.00	0.00		
7	2.60	2.80	2.40	2.20	2.40	3.60	5.00	4.40	1.60	0.00	0.00	0.00		
8	2.60	2.80	2.40	2.20	2.40	3.40	5.60	4.20	1.20	0.00	0.00	0.00		
9	2.60	2.40	2.40	2.00	2.20	3.60	4.80	7.00	0.20	0.00	0.00	0.00		
10	2.40	2.20	2.40	2.00	2.20	3.60	4.40	5.80	0.00	0.00	0.00	0.00		
11	2.20	2.00	2.20	2.00	2.20	3.60	4.00	5.40	0.00	0.00	0.00	0.00		
12	2.20	1.80	2.20	1.80	3.00	3.20	4.20	5.60	0.00	0.00	0.00	0.00		
13	2.00	1.60	2.40	1.80	3.00	3.20	4.80	5.40	0.00	0.00	0.00	0.00		
14	1.80	1.60	2.20	1.60	2.80	3.20	4.60	6.75	0.00	0.00	0.00	0.00		
15	1.60	1.40	2.20	1.60	2.80	3.20	4.60	13.95	0.00	0.00	1.60	0.00		
16	1.60	1.40	2.20	1.80	2.80	3.20	5.00	7.25	0.00	0.00	5.80	0.00		
17	1.60	1.60	2.40	1.80	2.60	3.60	5.40	11.20	0.00	0.00	5.20	0.00		
18	1.40	1.80	2.60	2.00	2.80	3.60	7.00	12.55	0.00	0.00	5.00	0.00		
19	1.40	2.20	2.80	2.20	3.00	3.60	6.25	16.20	0.00	0.00	3.20	0.00		
20	1.60	1.80	2.60	2.40	2.80	3.60	5.00	15.40	0.00	0.00	2.00	0.00		
21	2.20	1.80	2.40	2.20	2.60	3.80	4.60	12.55	0.00	0.00	1.40	0.00		
22	2.60	1.60	2.20	2.20	2.60	3.80	5.60	10.90	0.00	0.00	1.00	0.00		
23	3.00	1.40	2.20	2.00	2.80	3.40	9.70	11.85	0.00	0.00	0.80	8.50		
24	2.60	1.40	2.20	2.00	2.60	3.20	11.85	41.75	0.00	0.00	0.40	22.15		
25	2.20	1.40	2.00	2.00	2.40	3.00	12.20	24.50	0.00	0.00	0.00	21.25		
26	2.20	1.40	2.00	2.00	2.20	3.60	11.50	16.60	0.00	0.00	0.00	20.80		
27	2.00	1.20	1.80	1.80	2.20	4.00	11.20	12.55	0.00	0.00	0.00	19.45		
28	2.20	1.60	1.60	2.00	2.00	3.60	11.20	11.20	0.00	0.00	0.00	18.20		
29	2.20	3.00	1.60	1.80	2.20	3.40	11.20	9.40	0.00	0.00		17.80		
30	2.20	2.20	1.40	1.60	4.00	3.20	10.90	7.50	0.00	0.00		17.80		
31		2.00		1.80	6.75		12.90		0.00	0.00		17.40		
Total	62.40	60.60	68.40	58.80	82.75	115.30	205.50	314.60	31.15	0.00	26.40	164.35	1190.25	CMSDAY
Mean	2.08	1.95	2.28	1.90	2.67	3.84	6.63	10.49	1.00	0.00	0.94	5.30	3.26	CMS
Max	3.00	3.80	3.00	2.40	6.75	8.00	12.90	41.75	7.25	0.00	5.80	22.15	41.75	CMS
Min	1.40	1.20	1.40	1.40	1.80	3.00	3.00	4.20	0.00	0.00	0.00	0.00	0.00	CMS
Runoff	5.39	5.24	5.91	5.08	7.15	9.96	17.76	27.18	2.69	0.00	2.28	14.20	102.84	MCM
Momentary Peak	61.05 CMS. at 21.87 m. (MSL.) at 04.00 Hours , on Nov 24, 2021													
Runoff Yield	6.03	Liters/Second/Square KM.				Momentary Peak Yield 112.85				Liters/Second/Square KM.				

WATER YEAR : 2021

PENINSULA - UPPER EAST COAST BASIN

Khlomg Phum Duang at Ban Tha Khanon , Surat Thani (X.36)

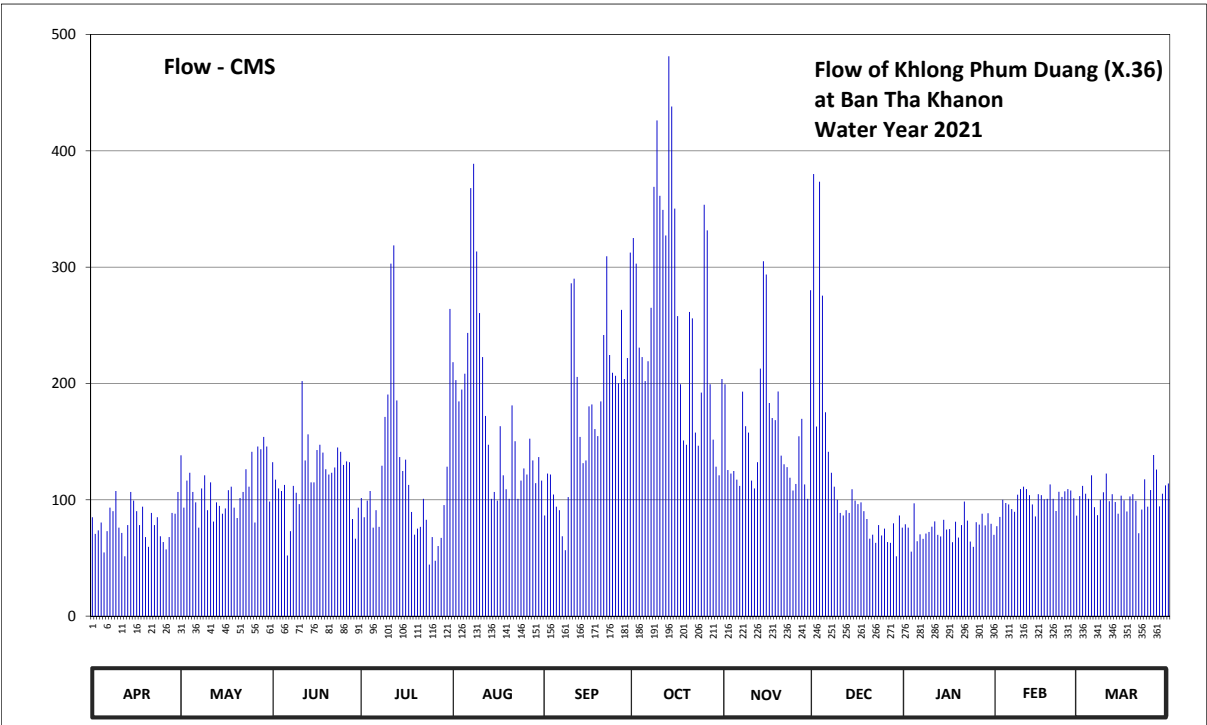
Lat 09 - 01 - 46 N Long 98 - 58 - 10 E

Location : on left bank at Ban Tha Khanon.

	Ban Tha Khanon	Amphoe Khiri Ratnikhom	Changwat Surat Thani
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 14 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.00	2.71	2.63	2.22	3.68	2.02	4.80	3.47	6.10	1.92	2.35	3.03	
2	1.81	2.11	2.43	2.00	3.51	2.50	4.59	2.54	4.25	1.88	2.58	3.25	
3	1.85	2.42	2.33	2.19	3.30	2.49	3.82	2.50	5.24	1.59	2.95	3.08	
4	1.94	2.51	2.30	2.30	3.42	2.26	3.73	2.53	4.31	2.16	2.88	2.97	
5	1.58	2.29	2.37	1.88	3.57	2.12	3.50	2.43	3.19	1.98	2.85	3.46	
6	1.84	2.17	1.54	2.08	3.96	2.08	3.69	2.36	2.75	2.15	2.75	2.79	
7	2.11	1.88	1.84	1.89	5.19	1.78	4.20	3.40	2.51	2.04	2.69	2.62	
8	2.07	2.33	2.36	2.59	5.38	1.61	5.20	3.04	2.35	2.17	3.06	2.95	
9	2.30	2.48	2.28	3.14	4.69	2.23	5.70	2.97	2.20	2.21	3.18	3.11	
10	1.88	2.08	2.15	3.37	4.15	4.42	5.13	2.42	2.05	2.34	3.23	3.49	
11	1.82	2.40	3.50	4.59	3.73	4.46	5.02	2.33	2.02	2.47	3.18	2.92	
12	1.53	1.95	2.65	4.74	3.15	3.54	4.82	2.63	2.08	2.14	3.05	3.07	
13	1.91	2.17	2.95	3.31	2.83	2.92	6.16	3.62	2.05	2.10	2.85	2.90	
14	2.29	2.13	2.40	2.69	2.21	2.62	5.80	4.61	2.32	2.51	2.59	2.65	
15	2.19	2.04	2.40	2.53	2.29	2.65	5.03	5.59	2.19	2.27	3.07	3.04	
16	2.07	2.10	2.77	2.66	2.19	3.25	4.12	4.54	2.15	2.28	3.05	2.94	
17	1.91	2.31	2.83	2.37	3.04	3.27	3.47	4.37	2.17	1.95	2.96	2.70	
18	2.12	2.35	2.74	2.06	2.48	3.01	2.88	4.34	2.07	2.46	2.97	3.02	
19	1.77	2.11	2.55	1.80	2.32	2.93	2.83	4.66	1.98	2.07	3.28	3.07	
20	1.65	1.99	2.49	1.87	2.21	3.30	4.16	3.80	1.75	2.38	2.97	2.93	
21	2.05	2.22	2.51	1.89	3.26	3.94	4.10	3.65	1.80	2.91	2.71	2.18	
22	1.91	2.29	2.57	2.21	2.87	4.65	2.97	3.60	1.70	2.49	3.12	2.74	
23	2.00	2.55	2.80	1.97	2.21	3.75	2.82	3.42	1.91	1.97	3.01	3.39	
24	1.78	2.35	2.75	1.42	2.42	3.58	3.39	3.15	1.79	1.82	3.13	2.80	
25	1.71	2.75	2.60	1.77	2.56	3.55	5.06	3.29	1.87	2.45	3.18	3.16	
26	1.62	1.94	2.64	1.47	2.49	3.48	4.86	4.11	1.71	2.39	3.15	3.81	
27	1.77	2.81	2.63	1.66	2.90	4.18	3.47	4.36	1.70	2.65	2.98	3.56	
28	2.05	2.78	1.98	1.76	2.65	3.52	2.89	3.28	1.93	2.37	2.61	2.81	
29	2.04	2.92	1.75	2.14	2.39	3.72	2.58	2.97	1.53	2.66		3.08	
30	2.29	2.81	2.11	2.58	2.69	4.68	2.48	5.49	2.02	2.41		3.26	
31		2.18		4.19	2.42		3.52		1.88	2.14		3.30	
Mean	1.93	2.33	2.46	2.43	3.10	3.15	4.09	3.52	2.44	2.24	2.94	3.03	
Max	2.30	2.92	3.50	4.74	5.38	4.68	6.16	5.59	6.10	2.91	3.28	3.81	6.16
Min	1.53	1.88	1.54	1.42	2.19	1.61	2.48	2.33	1.53	1.59	2.35	2.18	1.42
Annual Max Momentary Gage Height	6.77		m. (MSL.) ,				at 03.00 Hours , on Dec 1, 2021						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	-2.42	m. (MSL.)					
Left Bank Elevation		10.21	m. (MSL.) ,										
Right Bank Elevation		11.30	m. (MSL.) ,			Drainage Are	3,035	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	85.00	138.25	132.25	101.50	218.20	86.50	325.00	199.30	380.00	79.00	77.25	103.20		
2	70.75	93.25	117.25	85.00	202.90	122.50	303.00	125.50	163.00	76.00	85.30	112.00		
3	73.75	116.50	109.75	99.25	184.50	121.75	230.80	122.50	373.40	55.35	100.00	105.20		
4	80.50	123.25	107.50	107.50	194.80	104.50	222.70	124.75	275.45	97.00	97.20	100.80		
5	54.70	106.75	112.75	76.00	208.30	94.00	202.00	117.25	175.20	64.40	96.00	121.00		
6	73.00	97.75	52.10	91.00	243.40	91.00	219.10	112.00	141.25	70.25	92.00	93.60		
7	93.25	76.00	73.00	76.75	367.90	68.60	265.00	193.00	123.25	66.40	89.60	86.80		
8	90.25	109.75	112.00	129.25	388.80	56.70	369.00	163.20	111.25	70.95	104.40	100.00		
9	107.50	121.00	106.00	171.20	313.45	102.25	426.00	157.75	100.00	72.35	109.20	106.40		
10	76.00	91.00	96.25	190.45	260.50	286.00	361.30	116.50	88.75	76.90	111.20	122.50		
11	71.50	115.00	202.00	303.00	222.70	290.00	349.20	109.75	86.50	81.45	109.20	98.80		
12	51.45	81.25	133.75	318.70	172.00	205.60	327.20	132.25	91.00	69.90	104.00	104.80		
13	78.25	97.75	156.25	185.35	147.25	154.00	481.20	212.80	88.75	68.50	96.00	98.00		
14	106.75	94.75	115.00	136.75	100.75	131.50	438.00	305.05	109.00	82.85	85.65	88.00		
15	99.25	88.00	115.00	124.75	106.75	133.75	350.30	293.65	99.25	74.45	104.80	103.60		
16	90.25	92.50	142.75	134.50	99.25	180.25	257.80	183.20	96.25	74.80	104.00	99.60		
17	78.25	108.25	147.25	112.75	163.20	181.95	199.30	170.20	97.75	63.50	100.40	90.00		
18	94.00	111.25	140.50	89.50	121.00	160.80	151.00	168.40	90.25	81.10	100.80	102.80		
19	67.90	93.25	126.25	70.00	109.00	154.75	147.25	193.10	83.50	67.45	113.20	104.80		
20	59.50	84.25	121.75	75.25	100.75	184.50	261.40	138.00	66.50	78.30	100.80	99.20		
21	88.75	101.50	123.25	76.75	181.10	241.60	256.00	130.50	70.00	98.40	90.40	71.30		
22	78.25	106.75	127.75	100.75	150.25	309.25	157.75	128.00	63.00	82.15	106.80	91.60		
23	85.00	126.25	145.00	82.75	100.75	224.50	146.50	119.00	78.25	64.10	102.40	117.60		
24	68.60	111.25	141.25	44.30	116.50	209.20	192.15	108.00	69.30	59.60	107.20	94.00		
25	63.70	141.25	130.00	67.90	127.00	206.50	353.60	113.60	75.25	80.75	109.20	108.40		
26	57.40	80.50	133.00	47.55	121.75	200.20	331.60	154.60	63.70	78.65	108.00	138.50		
27	67.90	145.75	132.25	60.20	152.50	263.20	199.30	169.60	63.00	88.00	101.20	126.00		
28	88.75	143.50	83.50	67.20	133.75	203.80	151.75	113.20	79.75	77.95	86.40	94.40		
29	88.00	154.00	66.50	95.50	114.25	221.80	128.50	100.80	51.45	88.40		105.20		
30	106.75	145.75	93.25	128.50	136.75	312.40	121.00	280.15	86.50	79.35		112.40		
31		98.50		264.10	116.50		203.80		76.00	69.90		114.00		
Total	2394.90	3394.75	3595.10	3713.95	5376.50	5303.35	8128.50	4755.60	3616.50	2338.15	2792.60	3214.50	48624.40	CMSDAY
Mean	79.83	109.51	119.84	119.80	173.44	176.78	262.21	158.52	116.66	75.42	99.74	103.69	133.22	CMS
Max	107.50	154.00	202.00	318.70	388.80	312.40	481.20	305.05	380.00	98.40	113.20	138.50	481.20	CMS
Min	51.45	76.00	52.10	44.30	99.25	56.70	121.00	100.80	51.45	55.35	77.25	71.30	44.30	CMS
Runoff	206.92	293.31	310.62	320.89	464.53	458.21	702.30	410.88	312.47	202.02	241.28	277.73	4201.15	MCM
Momentary Peak	553.55 CMS. at 6.77 m. (MSL.) at 03.00 Hours , on Dec 1, 2021													
Runoff Yield	43.89	Liters/Second/Square KM.			Momentary Peak Yield			182.39	Liters/Second/Square KM.					

WATER YEAR : 2021

PENINSULA - UPPER EAST COAST BASIN

Tapi River at Ban Yan Din Daeng , Surat Thani (X.37A)

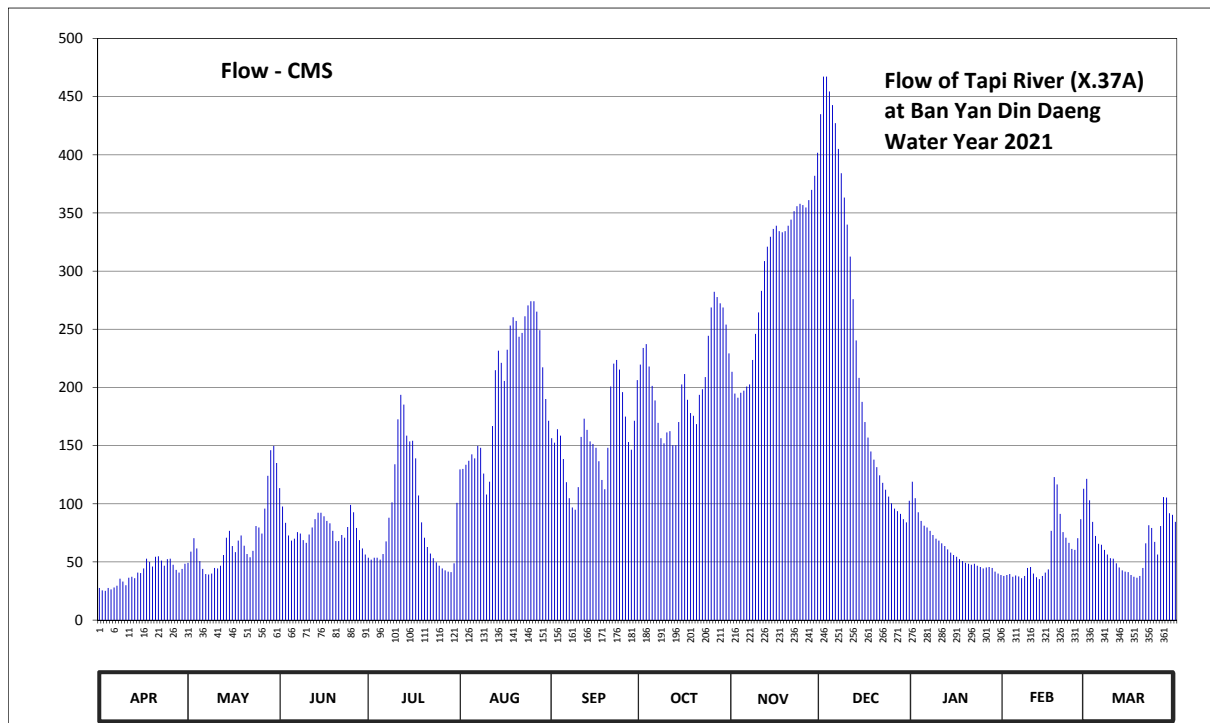
Lat 08 - 34 - 16 N Long 99 - 15 - 14 E

Location : on left bank at Tambon Yan Din Daeng.

	Ban Yan Din Daeng	Amphoe Phrasaeng	Changwat Surat Thani
Drainage Area	5,397 sq.km.		
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	Overbank flow starts at elevation + 10.770 m.(MSL.), records are channel flow only.		
General Description	Records Very good. Stage-discharge relation defined by 15 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.64	5.18	6.72	5.29	7.05	7.57	8.62	8.53	10.83	6.84	4.90	6.89	
2	4.59	5.42	6.37	5.25	7.06	7.50	8.80	8.23	11.07	6.53	4.92	6.49	
3	4.58	5.71	6.04	5.29	7.13	7.71	8.84	8.17	11.07	6.26	4.94	6.06	
4	4.64	5.49	5.77	5.29	7.20	7.61	8.60	8.24	10.98	6.08	4.88	5.76	
5	4.61	5.22	5.66	5.25	7.31	7.23	8.34	8.27	10.89	5.98	4.91	5.59	
6	4.65	5.05	5.70	5.37	7.24	6.83	8.13	8.33	10.77	5.94	4.89	5.57	
7	4.69	4.94	5.84	5.64	7.45	6.53	7.81	8.36	10.60	5.87	4.85	5.46	
8	4.84	4.93	5.81	6.15	7.42	6.35	7.57	8.67	10.41	5.78	4.90	5.36	
9	4.78	4.95	5.67	6.45	6.98	6.31	7.49	8.95	10.22	5.70	5.07	5.28	
10	4.70	5.07	5.61	7.14	6.60	6.74	7.66	9.18	10.00	5.66	5.09	5.27	
11	4.86	5.06	5.79	7.86	6.84	7.59	7.68	9.39	9.71	5.60	4.95	5.17	
12	4.88	5.12	5.94	8.21	7.76	7.87	7.46	9.67	9.31	5.54	4.87	5.08	
13	4.85	5.35	6.12	8.07	8.55	7.70	7.46	9.80	8.88	5.47	4.83	5.02	
14	4.97	5.72	6.25	7.61	8.77	7.52	7.82	9.89	8.45	5.40	4.90	4.99	
15	4.96	5.87	6.25	7.52	8.64	7.48	8.36	9.96	8.11	5.35	4.97	4.98	
16	5.06	5.54	6.18	7.53	8.41	7.42	8.50	9.99	7.82	5.31	5.04	4.92	
17	5.27	5.41	6.08	7.24	8.78	7.19	8.14	9.94	7.58	5.26	5.87	4.88	
18	5.20	5.66	6.03	6.58	9.04	6.87	7.95	9.93	7.36	5.22	6.92	4.86	
19	5.10	5.77	5.87	6.05	9.13	6.70	7.91	9.94	7.22	5.18	6.79	4.90	
20	5.31	5.55	5.65	5.72	9.09	7.42	7.79	9.99	7.09	5.16	6.23	5.07	
21	5.32	5.37	5.65	5.52	8.92	8.33	8.21	10.04	6.95	5.14	5.84	5.60	
22	5.23	5.30	5.78	5.38	8.96	8.63	8.29	10.11	6.82	5.16	5.72	5.99	
23	5.12	5.44	5.72	5.28	9.14	8.67	8.46	10.15	6.69	5.12	5.61	5.93	
24	5.26	5.97	5.95	5.19	9.25	8.56	8.93	10.17	6.56	5.09	5.48	5.63	
25	5.27	5.94	6.40	5.12	9.29	8.25	9.23	10.16	6.43	5.06	5.46	5.36	
26	5.14	5.81	6.26	5.06	9.29	7.90	9.38	10.14	6.33	5.08	5.71	5.97	
27	5.03	6.33	5.93	5.02	9.19	7.51	9.33	10.20	6.28	5.09	6.12	6.55	
28	4.97	6.94	5.67	4.99	8.99	7.39	9.27	10.28	6.23	5.07	6.71	6.54	
29	5.05	7.38	5.49	4.98	8.59	7.84	9.23	10.39	6.12	4.99		6.24	
30	5.16	7.45	5.36	5.17	8.15	8.42	9.05	10.57	6.05	4.95		6.21	
31		7.16		6.44	7.84		8.74		6.48	4.92		6.06	
Mean	4.96	5.68	5.92	6.05	8.20	7.52	8.36	9.52	8.36	5.48	5.41	5.60	
Max	5.32	7.45	6.72	8.21	9.29	8.67	9.38	10.57	11.07	6.84	6.92	6.89	11.07
Min	4.58	4.93	5.36	4.98	6.60	6.31	7.46	8.17	6.05	4.92	4.83	4.86	4.58
Annual Max Momentary Gage Height	11.11		m. (MSL.) ,				at 19.00 Hours ,						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	2.74	m. (MSL.)					
Left Bank Elevation		10.91	m. (MSL.) ,										
Right Bank Elevation		10.76	m. (MSL.) ,			Drainage Are	5,397	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	27.60	49.20	113.40	53.60	129.50	156.35	219.60	213.45	434.90	119.00	38.00	121.50		
2	25.60	58.80	97.65	52.00	130.00	152.50	234.00	194.80	467.15	104.85	38.80	103.05		
3	25.20	70.40	83.60	53.60	133.50	164.05	237.20	191.20	467.15	92.70	39.60	84.40		
4	27.60	61.60	72.80	53.60	137.00	158.55	218.00	195.40	454.40	85.20	37.20	72.40		
5	26.40	50.80	68.40	52.00	142.50	138.50	201.40	197.20	442.70	81.20	38.40	65.60		
6	28.00	44.00	70.00	56.80	139.00	118.50	188.80	200.80	427.10	79.60	37.60	64.80		
7	29.60	39.60	75.60	67.60	149.75	104.85	169.60	202.60	405.00	76.80	36.00	60.40		
8	35.60	39.20	74.40	88.00	148.10	96.75	156.35	223.60	384.10	73.20	38.00	56.40		
9	33.20	40.00	68.80	101.25	126.00	94.95	151.95	246.00	363.20	70.00	44.80	53.20		
10	30.00	44.80	66.40	134.00	108.00	114.30	161.30	264.40	340.00	68.40	45.60	52.80		
11	36.40	44.40	73.60	172.60	119.00	157.45	162.40	283.10	312.45	66.00	40.00	48.80		
12	37.20	46.80	79.60	193.60	166.80	173.20	150.30	308.65	275.90	63.60	36.80	45.20		
13	36.00	56.00	86.80	185.20	214.75	163.50	150.30	321.00	240.40	60.80	35.20	42.80		
14	40.80	70.80	92.25	158.55	231.60	153.60	170.20	329.55	208.25	58.00	38.00	41.60		
15	40.40	76.80	92.25	153.60	221.20	151.40	202.60	336.20	187.60	56.00	40.80	41.20		
16	44.40	63.60	89.20	154.15	205.65	148.10	211.50	339.05	170.20	54.40	43.60	38.80		
17	52.80	58.40	85.20	139.00	232.40	136.50	189.40	334.30	156.90	52.40	76.80	37.20		
18	50.00	68.40	83.20	107.10	253.20	120.50	178.00	333.35	145.00	50.80	123.00	36.40		
19	46.00	72.80	76.80	84.00	260.40	112.50	175.60	334.30	138.00	49.20	116.55	38.00		
20	54.40	64.00	68.00	70.80	257.20	148.10	168.45	339.05	131.50	48.40	91.35	44.80		
21	54.80	56.80	68.00	62.80	243.60	200.80	193.60	344.20	124.50	47.60	75.60	66.00		
22	51.20	54.00	73.20	57.20	246.80	220.40	198.40	351.55	118.00	48.40	70.80	81.60		
23	46.80	59.60	70.80	53.20	261.20	223.60	208.90	355.75	112.05	46.80	66.40	79.20		
24	52.40	80.80	80.00	49.60	270.50	215.40	244.40	357.85	106.20	45.60	61.20	67.20		
25	52.80	79.60	99.00	46.80	274.10	196.00	268.70	356.80	100.35	44.40	60.40	56.40		
26	47.60	74.40	92.70	44.40	274.10	175.00	282.20	354.70	95.85	45.20	70.40	80.80		
27	43.20	95.85	79.20	42.80	265.20	153.05	277.70	361.00	93.60	45.60	86.80	105.75		
28	40.80	124.00	68.80	41.60	249.20	146.50	272.30	369.80	91.35	44.80	112.95	105.30		
29	44.00	146.00	61.60	41.20	217.35	171.40	268.70	381.90	86.80	41.60		91.80		
30	48.40	149.75	56.40	48.80	190.00	206.30	254.00	401.70	84.00	40.00		90.45		
31		135.00		100.80	171.40		229.20		102.60	38.80		84.40		
Total	1,209.20	2,176.20	2,367.65	2720.25	6169.00	4672.60	6395.05	9023.25	7267.20	1899.35	1640.65	2058.25	47598.65	CMSDAY
Mean	40.31	70.20	78.92	87.75	199.00	155.75	206.29	300.78	234.43	61.27	58.59	66.40	130.41	CMS
Max	54.80	149.75	113.40	193.60	274.10	223.60	282.20	401.70	467.15	119.00	123.00	121.50	467.15	CMS
Min	25.20	39.20	56.40	41.20	108.00	94.95	150.30	191.20	84.00	38.80	35.20	36.40	25.20	CMS
Runoff	104.47	188.02	204.56	235.03	533.00	403.71	552.53	779.61	627.89	164.10	141.75	177.83	4112.52	MCM
Momentary Peak	472.95	CMS, at 11.11 m. (MSL), at 19.00 Hours, on Dec 2, 2021												
Runoff Yield	24.16	Liters/Second/Square KM.		Momentary Peak Yield		87.63	Liters/Second/Square KM.							

WATER YEAR : 2021
SOUTHERN PENINSULA EAST COAST

Khlong Chumphon at Ban Wang Phai , Chumphon (X.53A)

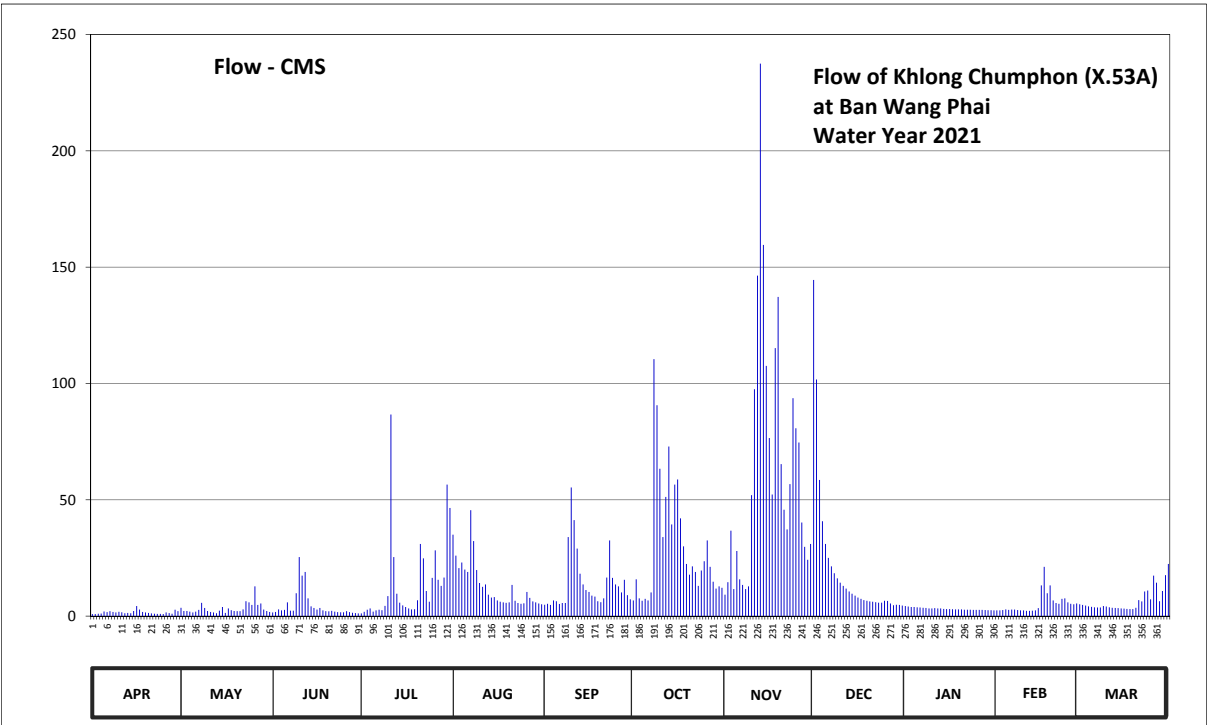
Lat 10 - 30 - 26 N Long 99 - 07 - 04 E

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 because of backwater effect.		
Overbank Flow Conditions	Overbank flow starts at elevation + 9.350 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 17 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.97	2.46	2.12	2.03	4.12	2.59	2.77	2.91	7.50	2.53	2.29	2.61	
2	1.97	2.24	2.15	2.17	3.75	2.63	3.24	3.18	6.42	2.51	2.30	2.58	
3	2.01	2.24	2.38	2.35	3.48	2.58	2.83	4.19	5.06	2.49	2.32	2.55	
4	2.02	2.19	2.29	2.43	3.60	2.77	2.76	3.03	4.35	2.49	2.37	2.52	
5	2.20	2.12	2.33	2.19	3.45	2.74	2.82	3.84	3.96	2.48	2.34	2.50	
6	2.14	2.18	2.69	2.29	3.40	2.62	2.77	3.24	3.70	2.47	2.36	2.48	
7	2.22	2.33	2.27	2.35	4.54	2.66	2.96	3.12	3.52	2.46	2.36	2.47	
8	2.15	2.67	2.26	2.31	4.01	2.66	6.66	3.03	3.37	2.45	2.32	2.47	
9	2.12	2.45	2.94	2.54	3.44	4.08	6.82	3.09	3.26	2.43	2.30	2.53	
10	2.17	2.24	3.72	2.88	3.16	4.93	5.91	4.80	3.17	2.43	2.29	2.51	
11	2.13	2.16	3.32	5.99	3.08	4.37	4.60	6.30	3.10	2.44	2.25	2.48	
12	2.05	2.12	3.40	3.72	3.13	3.88	5.45	7.54	3.04	2.43	2.25	2.46	
13	2.07	2.05	2.83	2.93	2.91	3.36	6.23	9.39	2.98	2.43	2.27	2.45	
14	2.04	2.27	2.52	2.68	2.85	3.13	4.87	8.55	2.93	2.41	2.29	2.44	
15	2.24	2.49	2.45	2.56	2.86	3.01	5.66	7.33	2.89	2.40	2.44	2.43	
16	2.53	2.08	2.36	2.49	2.77	2.97	5.07	6.35	2.85	2.40	3.11	2.42	
17	2.36	2.43	2.45	2.43	2.72	2.89	4.40	5.49	2.82	2.39	3.51	2.41	
18	2.16	2.31	2.29	2.38	2.69	2.87	3.92	6.78	2.79	2.38	2.94	2.40	
19	2.11	2.24	2.23	2.39	2.67	2.74	3.57	7.33	2.76	2.37	3.11	2.40	
20	2.07	2.22	2.21	2.78	2.69	2.70	3.34	5.31	2.73	2.37	2.77	2.46	
21	2.03	2.22	2.25	3.96	3.12	2.83	3.52	4.55	2.72	2.35	2.66	2.79	
22	2.01	2.37	2.18	3.69	2.76	3.28	3.40	4.21	2.70	2.35	2.63	2.73	
23	1.98	2.74	2.14	2.99	2.66	4.02	3.10	4.99	2.68	2.35	2.82	2.98	
24	1.98	2.69	2.13	2.72	2.63	3.27	3.43	6.19	2.68	2.34	2.83	3.00	
25	1.97	2.58	2.13	3.27	2.65	3.13	3.63	5.82	2.76	2.34	2.69	2.81	
26	2.12	3.09	2.22	3.85	2.97	3.09	4.02	5.62	2.75	2.33	2.63	3.32	
27	2.06	2.58	2.14	3.23	2.84	2.96	3.51	4.33	2.64	2.33	2.61	3.17	
28	2.00	2.64	2.09	3.10	2.73	3.23	3.19	3.91	2.57	2.32	2.64	2.74	
29	2.35	2.36	2.06	3.28	2.69	2.90	3.04	3.66	2.59	2.31		2.99	
30	2.23	2.24	2.03	4.98	2.64	2.81	3.09	3.96	2.58	2.31		3.33	
31		2.16		4.58	2.61		3.06		2.55	2.30		3.57	
Mean	2.12	2.36	2.42	3.02	3.08	3.12	3.99	5.07	3.30	2.40	2.56	2.68	
Max	2.53	3.09	3.72	5.99	4.54	4.93	6.82	9.39	7.50	2.53	3.51	3.57	9.39
Min	1.97	2.05	2.03	2.03	2.61	2.58	2.76	2.91	2.55	2.30	2.25	2.40	1.97
Annual Max Momentary Gage Height	9.58		m. (MSL.) ,			at 17.00 Hours , on Nov 13, 2021							
Zero Gage at Bottom Elevation	2.00		m. (MSL.) ,			River Bed 1.55	m. (MSL.)						
Left Bank Elevation	9.34		m. (MSL.) ,										
Right Bank Elevation	10.38		m. (MSL.) ,			Drainage Are 294	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.89	3.60	1.60	1.15	35.00	4.90	6.70	9.20	144.50	4.30	2.45	5.10	
2	0.89	2.20	1.75	1.85	26.00	5.30	15.80	14.60	101.70	4.10	2.50	4.80	
3	1.05	2.20	2.90	2.75	20.60	4.80	7.60	36.75	58.50	3.90	2.60	4.50	
4	1.10	1.95	2.45	3.30	23.00	6.70	6.60	11.60	40.75	3.90	2.85	4.20	
5	2.00	1.60	2.65	1.95	20.00	6.40	7.40	28.00	31.00	3.80	2.70	4.00	
6	1.70	1.90	5.90	2.45	19.00	5.20	6.70	15.80	25.00	3.70	2.80	3.80	
7	2.10	2.65	2.35	2.75	45.50	5.60	10.20	13.40	21.40	3.60	2.80	3.70	
8	1.75	5.70	2.30	2.55	32.25	5.60	110.40	11.60	18.40	3.50	2.60	3.70	
9	1.60	3.50	9.80	4.40	19.80	34.00	90.60	12.80	16.20	3.30	2.50	4.30	
10	1.85	2.20	25.40	8.60	14.20	55.25	63.30	52.00	14.40	3.30	2.45	4.10	
11	1.65	1.80	17.40	86.65	12.60	41.25	34.00	97.50	13.00	3.40	2.25	3.80	
12	1.25	1.60	19.00	25.40	13.60	29.00	51.25	146.30	11.80	3.30	2.25	3.60	
13	1.35	1.25	7.60	9.60	9.20	18.20	72.90	237.45	10.60	3.30	2.35	3.50	
14	1.20	2.35	4.20	5.80	8.00	13.60	39.40	159.50	9.60	3.10	2.45	3.40	
15	2.20	3.90	3.50	4.60	8.20	11.20	56.50	107.55	8.80	3.00	3.40	3.30	
16	4.30	1.40	2.80	3.90	6.70	10.40	58.75	76.50	8.00	3.00	13.20	3.20	
17	2.80	3.30	3.50	3.30	6.20	8.80	42.00	52.25	7.40	2.95	21.20	3.10	
18	1.80	2.55	2.45	2.90	5.90	8.40	30.00	115.20	6.90	2.90	9.80	3.00	
19	1.55	2.20	2.15	2.95	5.70	6.40	22.40	137.20	6.60	2.85	13.20	3.00	
20	1.35	2.10	2.05	6.80	5.90	6.00	17.80	65.30	6.30	2.85	6.70	3.60	
21	1.15	2.10	2.25	31.00	13.40	7.60	21.40	45.75	6.20	2.75	5.60	6.90	
22	1.05	2.85	1.90	24.80	6.60	16.60	19.00	37.25	6.00	2.75	5.30	6.30	
23	0.93	6.40	1.70	10.80	5.60	32.50	13.00	56.75	5.80	2.75	7.40	10.60	
24	0.93	5.90	1.65	6.20	5.30	16.40	19.60	93.65	5.80	2.70	7.60	11.00	
25	0.89	4.80	1.65	16.40	5.50	13.60	23.60	80.70	6.60	2.70	5.90	7.20	
26	1.60	12.80	2.10	28.25	10.40	12.80	32.50	74.60	6.50	2.65	5.30	17.40	
27	1.30	4.80	1.70	15.60	7.80	10.20	21.20	40.25	5.40	2.65	5.10	14.40	
28	1.00	5.40	1.45	13.00	6.30	15.60	14.80	29.75	4.70	2.60	5.40	6.40	
29	2.75	2.80	1.30	16.60	5.90	9.00	11.80	24.20	4.90	2.55		10.80	
30	2.15	2.20	1.15	56.50	5.40	7.20	12.80	31.00	4.80	2.55		17.60	
31		1.80		46.50	5.10		12.20		4.50	2.50		22.40	
Total	48.13	101.80	138.60	449.30	414.65	428.50	952.20	1914.40	622.05	97.20	150.65	206.70	5524.18 CMSDAY
Mean	1.60	3.28	4.62	14.49	13.38	14.28	30.72	63.81	20.07	3.14	5.38	6.67	15.13 CMS
Max	4.30	12.80	25.40	86.65	45.50	55.25	110.40	237.45	144.50	4.30	21.20	22.40	237.45 CMS
Min	0.89	1.25	1.15	1.15	5.10	4.80	6.60	9.20	4.50	2.50	2.25	3.00	0.89 CMS
Runoff	4.16	8.80	11.98	38.82	35.83	37.02	82.27	165.40	53.75	8.40	13.02	17.86	477.29 MCM
Momentary Peak	247.90 CMS. at 9.58 m. (MSL.) at 17.00 Hours , on Nov 13, 2021												
Runoff Yield	51.48	Liters/Second/Square KM.			Momentary Peak Yield			843.20	Liters/Second/Square KM.				

WATER YEAR : 2021

SOUTHERN PENINSULA EAST COAST

Khleng Tha Di at Ban Tha Yai , Nakhon Si Thammarat (X.55)

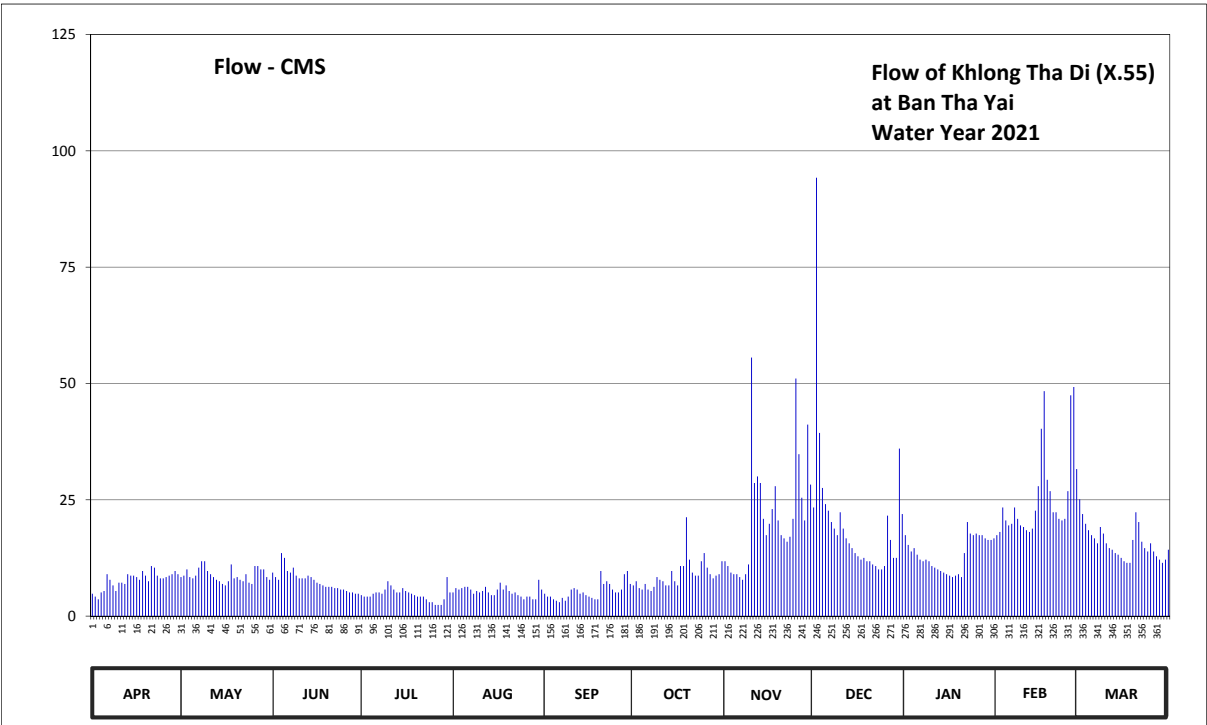
Lat 08 - 23 - 59 N Long 99 - 49 - 59 E

Location : on middle at the bridge.

	Ban Tha Yai	Amphoe Lan Saka	Changwat Nakhon Si Thammarat
Drainage 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	Overbank flow starts at elevation + 22.240 m.(MSL.), records are channel flow only.		
General Description	Records fair. Stage-discharge relation defined by 20 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	18.86	18.98	19.01	18.85	18.87	18.86	18.92	19.08	19.41	19.24	19.24	19.46	
2	18.84	18.99	18.98	18.84	18.90	18.84	18.95	19.05	20.88	19.18	19.26	19.37	
3	18.82	19.03	18.96	18.84	18.89	18.84	18.90	19.01	19.83	19.14	19.41	19.31	
4	18.87	18.98	19.13	18.84	18.90	18.82	18.89	19.00	19.53	19.16	19.33	19.27	
5	18.88	18.97	19.10	18.86	18.91	18.81	18.93	19.00	19.43	19.12	19.30	19.24	
6	19.00	18.99	19.02	18.87	18.91	18.80	18.89	18.98	19.39	19.09	19.31	19.22	
7	18.96	19.04	19.01	18.87	18.89	18.83	18.88	18.96	19.32	19.08	19.41	19.19	
8	18.92	19.08	19.04	18.86	18.86	18.81	18.91	19.00	19.28	19.09	19.34	19.29	
9	18.88	19.08	18.99	18.89	18.88	18.84	18.98	19.06	19.24	19.08	19.30	19.25	
10	18.94	19.02	18.97	18.95	18.87	18.89	18.96	20.19	19.38	19.05	19.29	19.19	
11	18.94	19.00	18.97	18.92	18.88	18.90	18.95	19.56	19.28	19.04	19.27	19.16	
12	18.93	18.98	18.97	18.89	18.91	18.89	18.92	19.60	19.22	19.03	19.26	19.15	
13	19.00	18.96	18.99	18.87	18.87	18.86	18.92	19.56	19.19	19.02	19.28	19.13	
14	18.99	18.95	18.98	18.87	18.85	18.87	19.02	19.34	19.16	19.01	19.39	19.12	
15	18.99	18.93	18.96	18.90	18.85	18.85	18.95	19.24	19.13	19.00	19.54	19.10	
16	18.98	18.92	18.94	18.88	18.89	18.84	18.92	19.31	19.11	18.99	19.85	19.08	
17	18.96	18.95	18.93	18.87	18.94	18.83	19.05	19.40	19.09	18.98	20.03	19.07	
18	19.02	19.06	18.92	18.86	18.89	18.82	19.05	19.54	19.10	18.99	19.58	19.07	
19	18.99	18.97	18.91	18.85	18.92	18.82	19.35	19.33	19.08	19.00	19.51	19.21	
20	18.95	18.98	18.91	18.84	18.88	19.02	19.09	19.24	19.08	18.98	19.38	19.38	
21	19.05	18.96	18.91	18.84	18.86	18.93	19.01	19.22	19.06	19.13	19.38	19.32	
22	19.04	18.95	18.90	18.84	18.87	18.95	18.99	19.20	19.05	19.32	19.34	19.20	
23	18.99	19.00	18.90	18.82	18.85	18.93	18.99	19.23	19.03	19.25	19.33	19.16	
24	18.97	18.94	18.89	18.80	18.84	18.89	19.08	19.34	19.03	19.24	19.34	19.14	
25	18.97	18.93	18.89	18.80	18.82	18.87	19.13	20.09	19.05	19.25	19.51	19.19	
26	18.98	19.05	18.88	18.78	18.84	18.87	19.04	19.72	19.36	19.24	20.01	19.14	
27	18.99	19.05	18.87	18.78	18.84	18.89	19.00	19.47	19.21	19.24	20.05	19.11	
28	19.00	19.03	18.87	18.78	18.82	19.00	18.97	19.33	19.10	19.22	19.64	19.09	
29	19.02	19.03	18.86	18.82	18.82	19.02	18.99	19.87	19.10	19.21		19.07	
30	19.00	18.98	18.86	18.98	18.96	18.93	19.00	19.55	19.75	19.21		19.09	
31		18.96		18.87	18.89		19.08		19.37	19.22		19.15	
Mean	18.96	18.99	18.95	18.86	18.88	18.88	18.99	19.35	19.30	19.12	19.46	19.19	
Max	19.05	19.08	19.13	18.98	18.96	19.02	19.35	20.19	20.88	19.32	20.05	19.46	20.88
Min	18.82	18.92	18.86	18.78	18.82	18.80	18.88	18.96	19.03	18.98	19.24	19.07	18.78
Annual Max Momentary Gage Height	22.78		m. (MSL.) ,				at 10.00 Hours , on Dec 2, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	16.26	m. (MSL.)					
Left Bank Elevation		22.23	m. (MSL.) ,										
Right Bank Elevation		22.43	m. (MSL.) ,			Drainage Are	105	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	4.80	8.40	9.35	4.50	5.10	4.80	6.60	11.80	23.35	17.40	17.40	25.10		
2	4.20	8.70	8.40	4.20	6.00	4.20	7.50	10.75	94.20	15.30	18.10	21.95		
3	3.60	10.05	7.80	4.20	5.70	4.20	6.00	9.35	39.35	13.90	23.35	19.85		
4	5.10	8.40	13.55	4.20	6.00	3.60	5.70	9.00	27.55	14.60	20.55	18.45		
5	5.40	8.10	12.50	4.80	6.30	3.30	6.90	9.00	24.05	13.20	19.50	17.40		
6	9.00	8.70	9.70	5.10	6.30	3.00	5.70	8.40	22.65	12.15	19.85	16.70		
7	7.80	10.40	9.35	5.10	5.70	3.90	5.40	7.80	20.20	11.80	23.35	15.65		
8	6.60	11.80	10.40	4.80	4.80	3.30	6.30	9.00	18.80	12.15	20.90	19.15		
9	5.40	11.80	8.70	5.70	5.40	4.20	8.40	11.10	17.40	11.80	19.50	17.75		
10	7.20	9.70	8.10	7.50	5.10	5.70	7.80	55.55	22.30	10.75	19.15	15.65		
11	7.20	9.00	8.10	6.60	5.40	6.00	7.50	28.60	18.80	10.40	18.45	14.60		
12	6.90	8.40	8.10	5.70	6.30	5.70	6.60	30.00	16.70	10.05	18.10	14.25		
13	9.00	7.80	8.70	5.10	5.10	4.80	6.60	28.60	15.65	9.70	18.80	13.55		
14	8.70	7.50	8.40	5.10	4.50	5.10	9.70	20.90	14.60	9.35	22.65	13.20		
15	8.70	6.90	7.80	6.00	4.50	4.50	7.50	17.40	13.55	9.00	27.90	12.50		
16	8.40	6.60	7.20	5.40	5.70	4.20	6.60	19.85	12.85	8.70	40.25	11.80		
17	7.80	7.50	6.90	5.10	7.20	3.90	10.75	23.00	12.15	8.40	48.35	11.45		
18	9.70	11.10	6.60	4.80	5.70	3.60	10.75	27.90	12.50	8.70	29.30	11.45		
19	8.70	8.10	6.30	4.50	6.60	3.60	21.25	20.55	11.80	9.00	26.85	16.35		
20	7.50	8.40	6.30	4.20	5.40	9.70	12.15	17.40	11.80	8.40	22.30	22.30		
21	10.75	7.80	6.30	4.20	4.80	6.90	9.35	16.70	11.10	13.55	22.30	20.20		
22	10.40	7.50	6.00	4.20	5.10	7.50	8.70	16.00	10.75	20.20	20.90	16.00		
23	8.70	9.00	6.00	3.60	4.50	6.90	8.70	17.05	10.05	17.75	20.55	14.60		
24	8.10	7.20	5.70	3.00	4.20	5.70	11.80	20.90	10.05	17.40	20.90	13.90		
25	8.10	6.90	5.70	3.00	3.60	5.10	13.55	51.05	10.75	17.75	26.85	15.65		
26	8.40	10.75	5.40	2.40	4.20	5.10	10.40	34.80	21.60	17.40	47.45	13.90		
27	8.70	10.75	5.10	2.40	4.20	5.70	9.00	25.45	16.35	17.40	49.25	12.85		
28	9.00	10.05	5.10	2.40	3.60	9.00	8.10	20.55	12.50	16.70	31.60	12.15		
29	9.70	10.05	4.80	3.60	3.60	9.70	8.70	41.15	12.50	16.35		11.45		
30	9.00	8.40	4.80	8.40	7.80	6.90	9.00	28.25	36.00	16.35		12.15		
31		7.80		5.10	5.70		11.80		21.95	16.70		14.25		
Total	232.55	273.55	227.15	144.90	164.10	159.80	274.80	647.85	623.85	412.30	714.40	486.20	4361.45	CMSDAY
Mean	7.75	8.82	7.57	4.67	5.29	5.33	8.86	21.59	20.12	13.30	25.51	15.68	11.95	CMS
Max	10.75	11.80	13.55	8.40	7.80	9.70	21.25	55.55	94.20	20.20	49.25	25.10	94.20	CMS
Min	3.60	6.60	4.80	2.40	3.60	3.00	5.40	7.80	10.05	8.40	17.40	11.45	2.40	CMS
Runoff	20.09	23.63	19.63	12.52	14.18	13.81	23.74	55.97	53.90	35.62	61.72	42.01	376.83	MCM
Momentary Peak	335.20 CMS. at 22.78 m. (MSL.) at 10.00 Hours , on Dec 2, 2021													
Runoff Yield	113.80	Liters/Second/Square KM.		Momentary Peak Yield		3192.38	Liters/Second/Square KM.							

WATER YEAR : 2021

SOUTHERN PENINSULA EAST COAST

Khlong Tha Sae at Ban Tha Sae , Chumphon (X.64)

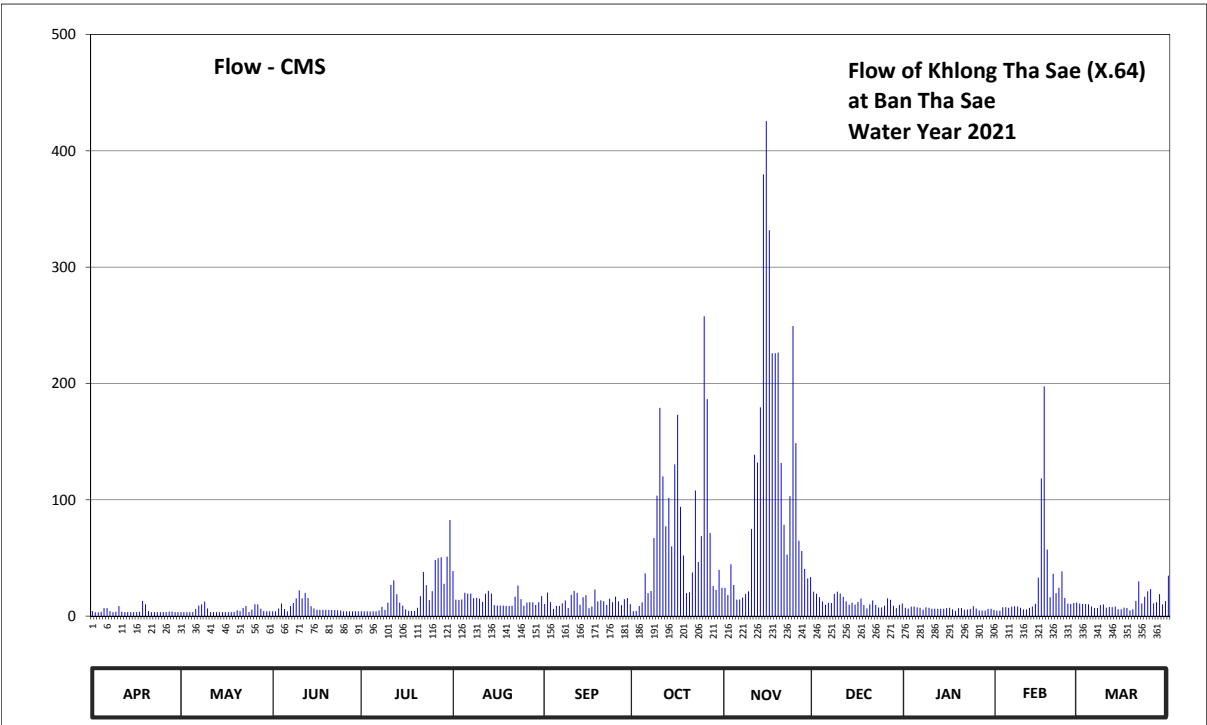
Lat 10 - 39 - 56 N Long 99 - 10 - 16 E

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	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 15 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.74	7.64	7.71	7.71	9.95	8.35	7.72	9.32	9.14	8.02	7.77	8.38	
2	7.63	7.64	7.71	7.71	8.68	9.08	7.74	8.94	9.02	7.94	7.76	8.35	
3	7.63	7.64	7.95	7.71	8.66	8.49	8.16	10.18	8.81	8.11	8.06	8.34	
4	7.67	7.64	8.38	7.71	8.69	7.92	8.48	9.44	8.56	8.13	8.07	8.32	
5	7.99	7.64	7.91	7.71	9.07	8.18	9.87	8.68	8.28	8.05	8.01	8.12	
6	7.98	7.92	7.71	7.71	9.03	8.18	9.05	8.69	8.46	8.01	8.11	8.00	
7	7.72	8.21	8.16	7.78	9.03	8.40	9.17	8.80	8.42	7.86	8.14	8.00	
8	7.64	8.32	8.42	8.09	8.76	8.63	10.97	9.00	9.01	8.05	8.12	8.25	
9	7.68	8.55	8.75	7.83	8.78	8.00	11.99	9.15	9.14	8.02	8.02	8.30	
10	8.16	7.96	9.21	8.46	8.73	8.95	13.70	11.20	9.03	7.93	7.87	8.03	
11	7.68	7.64	8.75	9.44	8.52	9.18	12.40	12.86	8.83	7.93	7.87	8.08	
12	7.64	7.64	9.06	9.63	9.02	9.06	11.26	12.70	8.57	7.93	8.02	8.07	
13	7.64	7.64	8.77	8.99	9.18	8.27	11.94	13.71	8.28	7.93	8.12	8.13	
14	7.64	7.64	8.15	8.45	9.03	8.81	10.73	16.51	8.45	7.93	8.36	7.89	
15	7.64	7.64	7.96	8.19	8.25	8.93	12.66	16.87	8.29	7.99	9.72	7.89	
16	7.64	7.64	7.85	7.87	8.21	7.98	13.58	16.05	8.52	8.02	12.36	8.03	
17	7.67	7.64	7.84	7.75	8.21	8.13	11.74	14.60	8.74	7.88	14.07	8.00	
18	8.60	7.64	7.83	7.74	8.20	9.24	10.47	14.60	8.26	7.75	10.64	7.79	
19	8.31	7.65	7.83	7.74	8.18	8.56	9.05	14.61	7.96	7.98	8.81	7.89	
20	7.74	7.80	7.83	8.02	8.18	8.64	9.10	12.69	8.30	7.99	9.86	8.60	
21	7.64	7.72	7.82	8.88	8.19	8.58	9.90	11.30	8.63	7.85	9.05	9.59	
22	7.64	8.00	7.82	9.92	8.85	8.26	12.10	10.50	8.26	7.86	9.32	8.39	
23	7.64	8.17	7.81	9.43	9.41	8.73	10.26	11.98	8.04	7.92	9.94	8.84	
24	7.64	7.65	7.78	8.65	8.70	8.50	11.02	15.02	8.04	8.15	8.78	9.15	
25	7.64	7.86	7.71	9.16	8.19	8.85	15.15	13.08	8.19	7.94	8.37	9.26	
26	7.64	8.32	7.71	10.33	8.47	8.56	13.85	10.89	8.75	7.79	8.35	8.40	
27	7.68	8.30	7.71	10.39	8.49	8.25	11.10	10.60	8.67	7.78	8.43	8.50	
28	7.68	7.93	7.71	10.42	8.48	8.70	9.39	10.02	8.19	7.78	8.47	8.99	
29	7.64	7.72	7.71	9.49	8.26	8.77	9.23	9.70	7.98	7.92		8.30	
30	7.64	7.71	7.71	10.44	8.49	8.33	9.99	9.74	8.26	7.93		8.59	
31		7.71		11.42	8.88		9.32		8.38	7.84		9.79	
Mean	7.75	7.83	8.04	8.73	8.67	8.55	10.68	11.71	8.50	7.94	8.87	8.40	
Max	8.60	8.55	9.21	11.42	9.95	9.24	15.15	16.87	9.14	8.15	14.07	9.79	16.87
Min	7.63	7.64	7.71	7.71	8.18	7.92	7.72	8.68	7.96	7.75	7.76	7.79	7.63
Annual Max Momentary Gage Height	17.11		m. (MSL.) ,				at 15.00 Hours ,	on Nov 15, 2021					
Zero Gage at Bottom Elevation		6.00	m. (MSL.) ,			River Bed	6.51	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, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	4.40	3.40	4.10	4.10	38.75	10.50	4.20	24.40	21.10	7.20	4.70	10.80		
2	3.30	3.40	4.10	4.10	14.20	20.20	4.40	18.10	19.30	6.40	4.60	10.50		
3	3.30	3.40	6.50	4.10	13.90	11.90	8.60	44.50	16.15	8.10	7.60	10.40		
4	3.70	3.40	10.80	4.10	14.35	6.20	11.80	26.80	12.60	8.30	7.70	10.20		
5	6.90	3.40	6.10	4.10	20.05	8.80	36.75	14.20	9.80	7.50	7.10	8.20		
6	6.80	6.20	4.10	4.10	19.45	8.80	19.75	14.35	11.60	7.10	8.10	7.00		
7	4.20	9.10	8.60	4.80	19.45	11.00	21.55	16.00	11.20	5.60	8.40	7.00		
8	3.40	10.20	11.20	7.90	15.40	13.45	67.10	19.00	19.15	7.50	8.20	9.50		
9	3.80	12.50	15.25	5.30	15.70	7.00	103.60	21.25	21.10	7.20	7.20	10.00		
10	8.60	6.60	22.20	11.60	14.95	18.25	179.00	75.00	19.45	6.30	5.70	7.30		
11	3.80	3.40	15.25	26.80	12.20	21.70	120.00	138.70	16.45	6.30	5.70	7.80		
12	3.40	3.40	19.90	30.75	19.30	19.90	77.10	132.00	12.70	6.30	7.20	7.70		
13	3.40	3.40	15.55	18.85	21.70	9.70	101.60	179.50	9.80	6.30	8.20	8.30		
14	3.40	3.40	8.50	11.50	19.45	16.15	59.90	379.75	11.50	6.30	10.60	5.90		
15	3.40	3.40	6.60	8.90	9.50	17.95	130.40	425.45	9.90	6.90	33.00	5.90		
16	3.40	3.40	5.50	5.70	9.10	6.80	173.00	331.75	12.20	7.20	118.40	7.30		
17	3.70	3.40	5.40	4.50	9.10	8.30	93.90	226.00	15.10	5.80	197.50	7.00		
18	13.00	3.40	5.30	4.40	9.00	22.80	52.10	226.00	9.60	4.50	57.20	4.90		
19	10.10	3.50	5.30	4.40	8.80	12.60	19.75	226.55	6.60	6.80	16.15	5.90		
20	4.40	5.00	5.30	7.20	8.80	13.60	20.50	131.60	10.00	6.90	36.50	13.00		
21	3.40	4.20	5.20	17.20	8.90	12.80	37.50	78.50	13.45	5.50	19.75	29.80		
22	3.40	7.00	5.20	38.00	16.75	9.60	108.00	53.00	9.60	5.60	24.40	10.90		
23	3.40	8.70	5.10	26.60	26.20	14.95	46.50	103.20	7.40	6.20	38.50	16.60		
24	3.40	3.50	4.80	13.75	14.50	12.00	68.70	249.30	7.40	8.50	15.70	21.25		
25	3.40	5.60	4.10	21.40	8.90	16.75	257.75	148.60	8.90	6.40	10.70	23.20		
26	3.40	10.20	4.10	48.25	11.70	12.60	186.50	64.70	15.25	4.90	10.50	11.00		
27	3.80	10.00	4.10	49.75	11.90	9.50	71.50	56.00	14.05	4.80	11.30	12.00		
28	3.80	6.30	4.10	50.60	11.80	14.50	25.80	40.50	8.90	4.80	11.70	18.85		
29	3.40	4.20	4.10	27.80	9.60	15.55	22.60	32.50	6.80	6.20		10.00		
30	3.40	4.10	4.10	51.20	11.90	10.30	39.75	33.50	9.60	6.30		12.90		
31		4.10		82.70	17.20		24.40		10.80	5.40		34.75		
Total	135.20	165.20	230.45	604.45	462.50	394.15	2194.00	3530.70	387.45	199.10	702.30	365.85	9371.35	CMSDAY
Mean	4.51	5.33	7.68	19.50	14.92	13.14	70.77	117.69	12.50	6.42	25.08	11.80	25.67	CMS
Max	13.00	12.50	22.20	82.70	38.75	22.80	257.75	425.45	21.10	8.50	197.50	34.75	425.45	CMS
Min	3.30	3.40	4.10	4.10	8.80	6.20	4.20	14.20	6.60	4.50	4.60	4.90	3.30	CMS
Runoff	11.68	14.27	19.91	52.22	39.96	34.05	189.56	305.05	33.48	17.20	60.68	31.61	809.68	MCM
Momentary Peak	459.50 CMS. at 17.11 m. (MSL.) at 15.00 Hours , on Nov 15, 2021													
Runoff Yield	27.17	Liters/Second/Square KM.			Momentary Peak Yield			486.24	Liters/Second/Square KM.					

WATER YEAR : 2021
SOUTHERN PENINSULA EAST COAST

Khlong Ban Tan at Ban Wang Kong , Nakhon Si Thammarat (X.70)

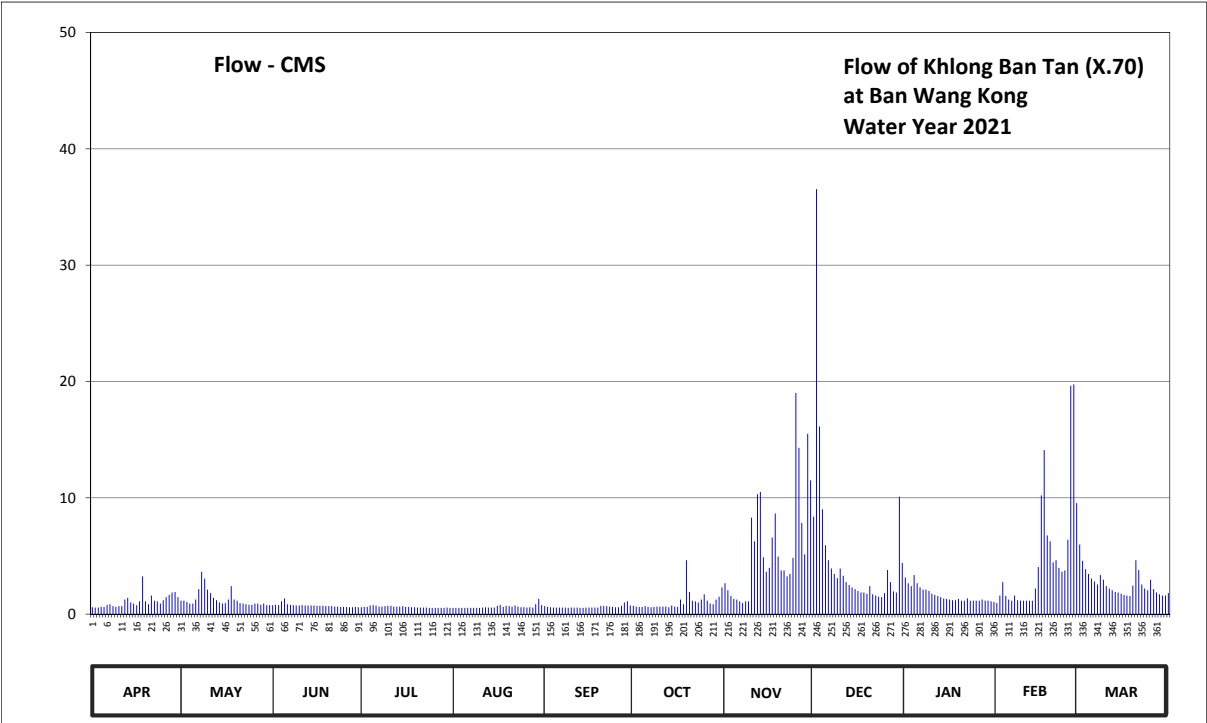
Lat 08 - 25 - 41 N Long 99 - 51 - 38 E

Location : on left bank upstream side of the bridge.

	Ban Wang Kong	Amphoe Mueang	Changwat	Nakhon Si Thammarat
Drainage Area	33 sq.km.			
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	Stable.			
Overbank Flow Conditions	Overbank flow starts at elevation + 18.230 m.(MSL.), records are channel flow only.			
General Description	Records good. Stage-discharge relation defined by 20 discharge measurements made in 2021.			

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	15.73	15.87	15.79	15.73	15.71	15.76	15.77	16.17	17.02	16.27	15.83	16.74	
2	15.72	15.87	15.80	15.74	15.71	15.74	15.75	16.05	19.09	16.17	15.96	16.53	
3	15.72	15.85	15.79	15.74	15.71	15.73	15.74	15.95	17.81	16.12	16.19	16.41	
4	15.74	15.82	15.86	15.78	15.71	15.72	15.74	15.90	17.09	16.31	15.95	16.33	
5	15.74	15.82	15.91	15.79	15.71	15.72	15.76	15.89	16.73	16.17	15.89	16.25	
6	15.80	15.89	15.81	15.78	15.71	15.72	15.74	15.86	16.54	16.10	15.87	16.20	
7	15.81	16.07	15.80	15.75	15.71	15.72	15.73	15.83	16.42	16.06	15.96	16.15	
8	15.76	16.37	15.79	15.75	15.71	15.72	15.74	15.86	16.33	16.06	15.88	16.31	
9	15.74	16.25	15.78	15.76	15.71	15.71	15.75	15.86	16.26	16.04	15.87	16.23	
10	15.76	16.06	15.78	15.77	15.71	15.72	15.75	17.01	16.42	15.99	15.87	16.12	
11	15.76	16.00	15.79	15.77	15.72	15.72	15.75	16.78	16.30	15.97	15.87	16.08	
12	15.89	15.92	15.78	15.75	15.73	15.72	15.75	17.23	16.19	15.95	15.87	16.05	
13	15.92	15.88	15.78	15.75	15.72	15.71	15.73	17.25	16.14	15.93	15.87	16.02	
14	15.84	15.84	15.78	15.75	15.72	15.71	15.78	16.58	16.10	15.91	16.08	16.01	
15	15.82	15.82	15.78	15.76	15.72	15.72	15.75	16.37	16.07	15.90	16.44	15.99	
16	15.79	15.83	15.77	15.74	15.77	15.72	15.74	16.43	16.04	15.89	17.22	15.97	
17	15.86	15.89	15.77	15.74	15.80	15.72	15.89	16.82	16.01	15.88	17.61	15.96	
18	16.29	16.12	15.77	15.73	15.74	15.72	15.81	17.05	16.01	15.88	16.84	15.95	
19	15.86	15.89	15.76	15.73	15.77	15.72	16.54	16.59	15.99	15.90	16.78	16.13	
20	15.81	15.87	15.76	15.72	15.76	15.77	16.02	16.39	16.12	15.87	16.51	16.54	
21	15.96	15.83	15.76	15.72	15.75	15.76	15.87	16.39	15.98	15.87	16.54	16.40	
22	15.87	15.82	15.75	15.72	15.78	15.76	15.86	16.29	15.96	15.91	16.43	16.15	
23	15.86	15.81	15.75	15.72	15.75	15.75	15.84	16.33	15.94	15.87	16.37	16.08	
24	15.82	15.80	15.74	15.71	15.73	15.74	15.89	16.57	15.93	15.87	16.39	16.05	
25	15.88	15.80	15.74	15.71	15.73	15.73	15.98	18.04	16.00	15.87	16.80	16.23	
26	15.93	15.82	15.74	15.71	15.72	15.73	15.87	17.63	16.40	15.87	18.09	16.07	
27	15.97	15.82	15.73	15.71	15.73	15.77	15.82	16.96	16.19	15.89	18.10	16.01	
28	16.01	15.80	15.73	15.71	15.72	15.84	15.81	16.62	16.03	15.87	17.15	15.98	
29	16.02	15.82	15.74	15.71	15.81	15.86	15.89	17.75	16.01	15.87		15.96	
30	15.93	15.79	15.73	15.72	15.90	15.78	15.94	17.35	17.21	15.86		15.96	
31		15.79		15.71	15.79		16.10		16.50	15.85		16.00	
Mean	15.85	15.90	15.78	15.74	15.74	15.74	15.84	16.59	16.41	15.97	16.44	16.16	
Max	16.29	16.37	15.91	15.79	15.90	15.86	16.54	18.04	19.09	16.31	18.10	16.74	19.09
Min	15.72	15.79	15.73	15.71	15.71	15.71	15.73	15.83	15.93	15.85	15.83	15.95	15.71
Annual Max Momentary Gage Height	20.68		m. (MSL.) ,				at 12.00 Hours , on Dec 2, 2021						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,				River Bed 15.56	m. (MSL.)					
Left Bank Elevation		22.12	m. (MSL.) ,										
Right Bank Elevation		18.22	m. (MSL.) ,				Drainage Are 33	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.59	1.15	0.77	0.59	0.53	0.68	0.71	2.65	8.38	3.15	0.95	5.98		
2	0.56	1.15	0.80	0.62	0.53	0.62	0.65	2.05	36.53	2.65	1.60	4.58		
3	0.56	1.05	0.77	0.62	0.53	0.59	0.62	1.55	16.13	2.40	2.75	3.86		
4	0.62	0.90	1.10	0.74	0.53	0.56	0.62	1.30	9.01	3.35	1.55	3.45		
5	0.62	0.90	1.35	0.77	0.53	0.56	0.68	1.25	5.91	2.65	1.25	3.05		
6	0.80	1.25	0.85	0.74	0.53	0.56	0.62	1.10	4.64	2.30	1.15	2.80		
7	0.85	2.15	0.80	0.65	0.53	0.56	0.59	0.95	3.92	2.10	1.60	2.55		
8	0.68	3.65	0.77	0.65	0.53	0.56	0.62	1.10	3.45	2.10	1.20	3.35		
9	0.62	3.05	0.74	0.68	0.53	0.53	0.65	1.10	3.10	2.00	1.15	2.95		
10	0.68	2.10	0.74	0.71	0.53	0.56	0.65	8.29	3.92	1.75	1.15	2.40		
11	0.68	1.80	0.77	0.71	0.56	0.56	0.65	6.26	3.30	1.65	1.15	2.20		
12	1.25	1.40	0.74	0.65	0.59	0.56	0.65	10.30	2.75	1.55	1.15	2.05		
13	1.40	1.20	0.74	0.65	0.56	0.53	0.59	10.50	2.50	1.45	1.15	1.90		
14	1.00	1.00	0.74	0.65	0.56	0.53	0.74	4.88	2.30	1.35	2.20	1.85		
15	0.90	0.90	0.74	0.68	0.56	0.56	0.65	3.65	2.15	1.30	4.04	1.75		
16	0.77	0.95	0.71	0.62	0.71	0.56	0.62	3.98	2.00	1.25	10.20	1.65		
17	1.10	1.25	0.71	0.62	0.80	0.56	1.25	6.58	1.85	1.20	14.10	1.60		
18	3.25	2.40	0.71	0.59	0.62	0.56	0.85	8.65	1.85	1.20	6.76	1.55		
19	1.10	1.25	0.68	0.59	0.71	0.56	4.64	4.94	1.75	1.30	6.26	2.45		
20	0.85	1.15	0.68	0.56	0.68	0.71	1.90	3.75	2.40	1.15	4.46	4.64		
21	1.60	0.95	0.68	0.56	0.65	0.68	1.15	3.75	1.70	1.15	4.64	3.80		
22	1.15	0.90	0.65	0.56	0.74	0.68	1.10	3.25	1.60	1.35	3.98	2.55		
23	1.10	0.85	0.65	0.56	0.65	0.65	1.00	3.45	1.50	1.15	3.65	2.20		
24	0.90	0.80	0.62	0.53	0.59	0.62	1.25	4.82	1.45	1.15	3.75	2.05		
25	1.20	0.80	0.62	0.53	0.59	0.59	1.70	19.00	1.80	1.15	6.40	2.95		
26	1.45	0.90	0.62	0.53	0.56	0.59	1.15	14.30	3.80	1.15	19.63	2.15		
27	1.65	0.90	0.59	0.53	0.59	0.71	0.90	7.84	2.75	1.25	19.75	1.85		
28	1.85	0.80	0.59	0.53	0.56	1.00	0.85	5.14	1.95	1.15	9.55	1.70		
29	1.90	0.90	0.62	0.53	0.85	1.10	1.25	15.50	1.85	1.15		1.60		
30	1.45	0.77	0.59	0.56	1.30	0.74	1.50	11.50	10.10	1.10		1.60		
31		0.77		0.53	0.77		2.30		4.40	1.05		1.80		
Total	33.13	39.99	22.14	19.04	19.50	18.83	33.10	173.38	150.74	50.65	137.17	80.86	778.53	CMSDAY
Mean	1.10	1.29	0.74	0.61	0.63	0.63	1.07	5.78	4.86	1.63	4.90	2.61	2.13	CMS
Max	3.25	3.65	1.35	0.77	1.30	1.10	4.64	19.00	36.53	3.35	19.75	5.98	36.53	CMS
Min	0.56	0.77	0.59	0.53	0.53	0.53	0.59	0.95	1.45	1.05	0.95	1.55	0.53	CMS
Runoff	2.86	3.46	1.91	1.65	1.68	1.63	2.86	14.98	13.02	4.38	11.85	6.99	67.26	MCM
Momentary Peak	87.20 CMS. at 20.68 m. (MSL.) at 12.00 Hours , on Dec 2, 2021													
Runoff Yield	64.64	Liters/Second/Square KM.			Momentary Peak Yield			2642.42	Liters/Second/Square KM.					

WATER YEAR : 2021

SOUTHERN PENINSULA EAST COAST

Khleng Tha Taphao at Ban Wang Khrok , Chumphon (X.158)

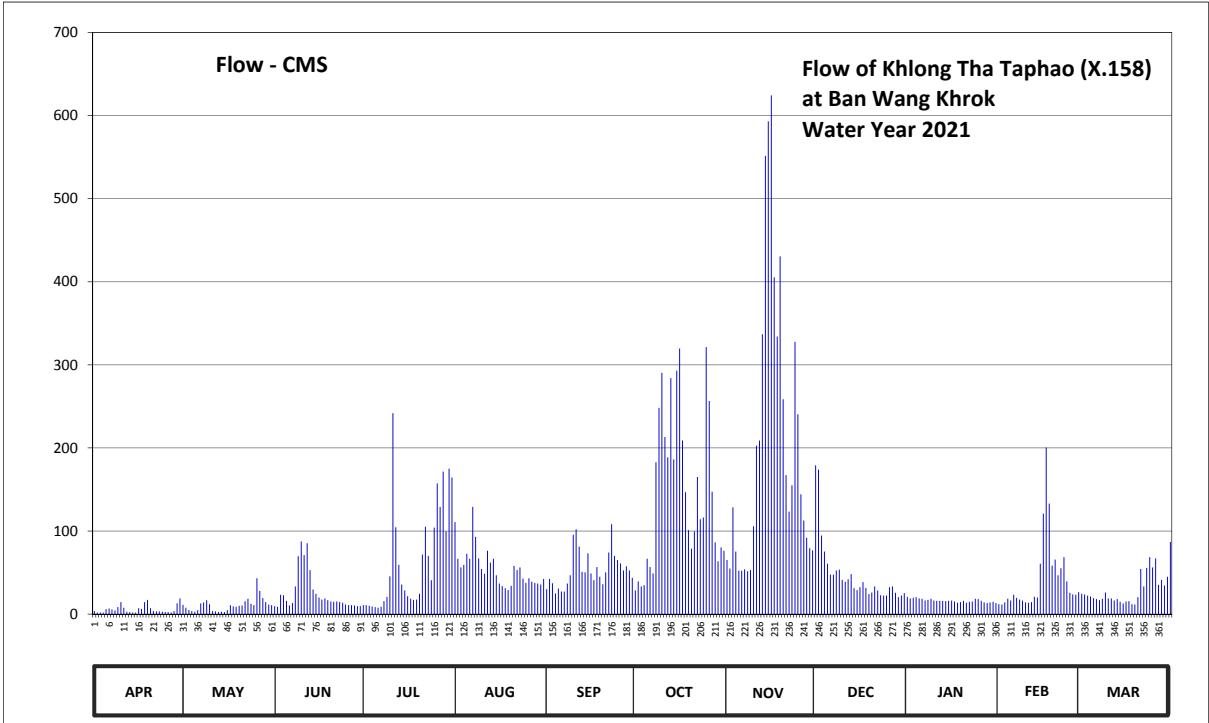
Lat 10 - 35 - 40 N Long 99 - 08 - 30 E

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.		
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 good. Stage-discharge relation defined by 16 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.79	2.98	2.94	2.97	5.16	3.45	3.41	4.26	6.38	3.22	3.00	3.31	
2	2.75	2.89	2.92	2.97	4.29	3.76	3.68	4.04	6.29	3.17	2.99	3.29	
3	2.75	2.82	3.28	2.95	4.07	3.63	3.53	5.51	4.84	3.19	3.05	3.26	
4	2.75	2.79	3.27	2.93	4.14	3.32	3.57	4.46	4.46	3.21	3.16	3.23	
5	2.85	2.77	3.10	2.91	4.41	3.47	4.29	3.98	4.17	3.17	3.11	3.18	
6	2.87	2.82	2.96	2.89	4.29	3.38	4.08	3.98	3.88	3.16	3.28	3.15	
7	2.84	3.02	3.03	2.92	5.52	3.38	3.91	4.02	3.88	3.11	3.19	3.12	
8	2.81	3.05	3.53	3.09	4.81	3.62	6.44	3.97	3.99	3.13	3.14	3.16	
9	2.91	3.12	4.35	3.22	4.30	3.86	7.43	4.00	4.01	3.16	3.11	3.35	
10	3.06	3.00	4.70	3.83	4.03	4.86	7.98	5.06	3.73	3.11	3.05	3.17	
11	2.89	2.79	4.38	7.34	3.90	4.99	6.93	6.78	3.67	3.10	3.04	3.17	
12	2.77	2.78	4.66	5.04	4.48	4.58	6.54	6.87	3.75	3.10	3.06	3.11	
13	2.76	2.76	4.00	4.14	4.20	3.95	7.90	8.53	3.89	3.10	3.22	3.15	
14	2.75	2.77	3.44	3.59	4.29	3.94	6.50	10.46	3.48	3.09	3.20	3.07	
15	2.75	2.76	3.31	3.41	3.86	4.42	8.01	10.73	3.42	3.10	4.17	3.02	
16	2.88	2.82	3.20	3.24	3.62	3.91	8.34	10.93	3.51	3.11	5.36	3.08	
17	2.86	2.97	3.14	3.16	3.54	3.72	6.87	9.23	3.66	3.08	6.74	3.09	
18	3.06	2.93	3.17	3.13	3.48	4.08	5.83	8.50	3.49	3.04	5.60	3.00	
19	3.13	2.92	3.12	3.14	3.42	3.82	4.97	9.46	3.30	3.06	4.12	2.99	
20	2.88	2.95	3.08	3.31	3.55	3.60	4.53	7.58	3.35	3.10	4.27	3.21	
21	2.79	2.96	3.07	4.39	4.11	3.94	4.94	6.18	3.53	3.04	3.86	4.03	
22	2.78	3.09	3.08	5.05	4.00	4.44	6.14	5.41	3.41	3.07	4.05	3.53	
23	2.78	3.16	3.06	4.36	4.07	5.11	5.23	5.97	3.27	3.08	4.33	4.06	
24	2.77	3.01	3.04	3.72	3.77	4.36	5.27	8.43	3.26	3.16	3.68	4.33	
25	2.76	2.97	2.99	5.03	3.64	4.26	8.36	7.32	3.26	3.15	3.34	4.07	
26	2.76	3.78	2.97	6.01	3.78	4.18	7.55	5.79	3.51	3.10	3.29	4.30	
27	2.75	3.40	2.97	5.52	3.67	3.99	5.84	5.20	3.53	3.05	3.28	3.58	
28	2.79	3.18	2.96	6.25	3.64	4.10	4.68	4.79	3.34	3.03	3.36	3.73	
29	3.02	3.06	2.94	4.94	3.62	3.99	4.23	4.54	3.21	3.05		3.56	
30	3.17	2.99	2.94	6.31	3.59	3.79	4.56	4.49	3.26	3.07		3.82	
31		2.97		6.13	3.76		4.48		3.33	3.03		4.69	
Mean	2.85	2.98	3.32	4.13	4.03	4.00	5.68	6.35	3.81	3.11	3.68	3.45	
Max	3.17	3.78	4.70	7.34	5.52	5.11	8.36	10.93	6.38	3.22	6.74	4.69	10.93
Min	2.75	2.76	2.92	2.89	3.42	3.32	3.41	3.97	3.21	3.03	2.99	2.99	2.75
Annual Max Momentary Gage Height	11.39		m. (MSL.) ,				at 01.00 Hours , on Nov 16, 2021						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	0.77	m. (MSL.)					
Left Bank Elevation		11.50	m. (MSL.) ,										
Right Bank Elevation		11.80	m. (MSL.) ,			Drainage Are	1,817	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.60	11.20	9.60	10.80	110.69	30.00	28.40	65.04	179.15	20.80	12.00	24.40		
2	2.00	7.60	8.80	10.80	66.56	42.40	39.20	54.80	173.83	18.80	11.60	23.60		
3	2.00	4.80	23.20	10.00	56.15	37.20	33.20	128.44	94.46	19.60	14.00	22.40		
4	2.00	3.60	22.80	9.20	59.30	24.80	34.80	75.19	75.19	20.40	18.40	21.20		
5	6.00	2.80	16.00	8.40	72.65	30.80	66.56	52.10	60.65	18.80	16.40	19.20		
6	6.80	4.80	10.40	7.60	66.56	27.20	56.60	52.10	47.60	18.40	23.20	18.00		
7	5.60	12.80	13.20	8.80	128.94	27.20	48.95	53.90	47.60	16.40	19.60	16.80		
8	4.40	14.00	33.20	15.60	92.94	36.80	182.70	51.65	52.55	17.20	17.60	18.40		
9	8.40	16.80	69.61	20.80	67.07	46.70	248.10	53.00	53.45	18.40	16.40	26.00		
10	14.40	12.00	87.36	45.35	54.35	95.47	290.40	105.61	41.20	16.40	14.00	18.80		
11	7.60	3.60	71.13	241.80	48.50	102.06	213.10	202.82	38.80	16.00	13.60	18.80		
12	2.80	3.20	85.33	104.60	76.20	81.27	188.62	208.90	42.00	16.00	14.40	16.40		
13	2.40	2.40	53.00	59.30	62.00	50.75	284.00	336.70	48.05	16.00	20.80	18.00		
14	2.00	2.80	29.60	35.60	66.56	50.30	186.25	551.40	31.20	15.60	20.00	14.80		
15	2.00	2.40	24.40	28.40	46.70	73.16	292.80	593.03	28.80	16.00	60.65	12.80		
16	7.20	4.80	20.00	21.60	36.80	48.95	319.60	624.15	32.40	16.40	120.83	15.20		
17	6.40	10.80	17.60	18.40	33.60	40.80	208.90	405.30	38.40	15.20	200.45	15.60		
18	14.40	9.20	18.80	17.20	31.20	56.60	146.61	334.00	31.60	13.60	133.00	12.00		
19	17.20	8.80	16.80	17.60	28.80	44.90	101.05	430.60	24.00	14.40	58.40	11.60		
20	7.20	10.00	15.20	24.40	34.00	36.00	78.74	258.60	26.00	16.00	65.55	20.40		
21	3.60	10.40	14.80	71.64	57.95	50.30	99.53	167.32	33.20	13.60	46.70	54.35		
22	3.20	15.60	15.20	105.11	53.00	74.17	164.95	123.36	28.40	14.80	55.25	33.20		
23	3.20	18.40	14.40	70.11	56.15	108.15	114.24	154.89	22.80	15.20	68.59	55.70		
24	2.80	12.40	13.60	40.80	42.80	70.11	116.26	327.70	22.40	18.40	39.20	68.59		
25	2.40	10.80	11.60	104.09	37.60	65.04	321.40	240.40	22.40	18.00	25.60	56.15		
26	2.40	43.20	10.80	157.26	43.20	61.10	256.50	144.24	32.40	16.00	23.60	67.07		
27	2.00	28.00	10.80	128.94	38.80	52.55	147.20	112.71	33.20	14.00	23.20	35.20		
28	3.60	19.20	10.40	171.46	37.60	57.50	86.34	91.92	25.60	13.20	26.40	41.20		
29	12.80	14.40	9.60	99.53	36.80	52.55	63.52	79.24	20.40	14.00		34.40		
30	18.80	11.60	9.60	175.01	35.60	43.60	80.26	76.71	22.40	14.80		44.90		
31		10.80		164.36	42.40		76.20		25.20	13.20		86.85		
Total	179.20	343.20	766.83	2004.56	1721.47	1618.43	4574.98	6155.82	1455.33	505.60	1179.42	942.01	21446.85	CMSDAY
Mean	5.97	11.07	25.56	64.66	55.53	53.95	147.58	205.19	46.95	16.31	42.12	30.39	58.76	CMS
Max	18.80	43.20	87.36	241.80	128.94	108.15	321.40	624.15	179.15	20.80	200.45	86.85	624.15	CMS
Min	2.00	2.40	8.80	7.60	28.80	24.80	28.40	51.65	20.40	13.20	11.60	11.60	2.00	CMS
Runoff	15.48	29.65	66.25	173.19	148.74	139.83	395.28	531.86	125.74	43.68	101.90	81.39	1853.01	MCM
Momentary Peak	CMS. at 11.39 m. (MSL.) at 01.00 Hours , on Nov 16, 2021													
Runoff Yield	32.34		Liters/Second/Square KM.		Momentary Peak Yield	385.97		Liters/Second/Square KM.						

WATER YEAR : 2021
SOUTHERN PENINSULA EAST COAST

Khlong Sao Thong at Ban Sao Thong , Nakhon Si Thammarat (X.167)

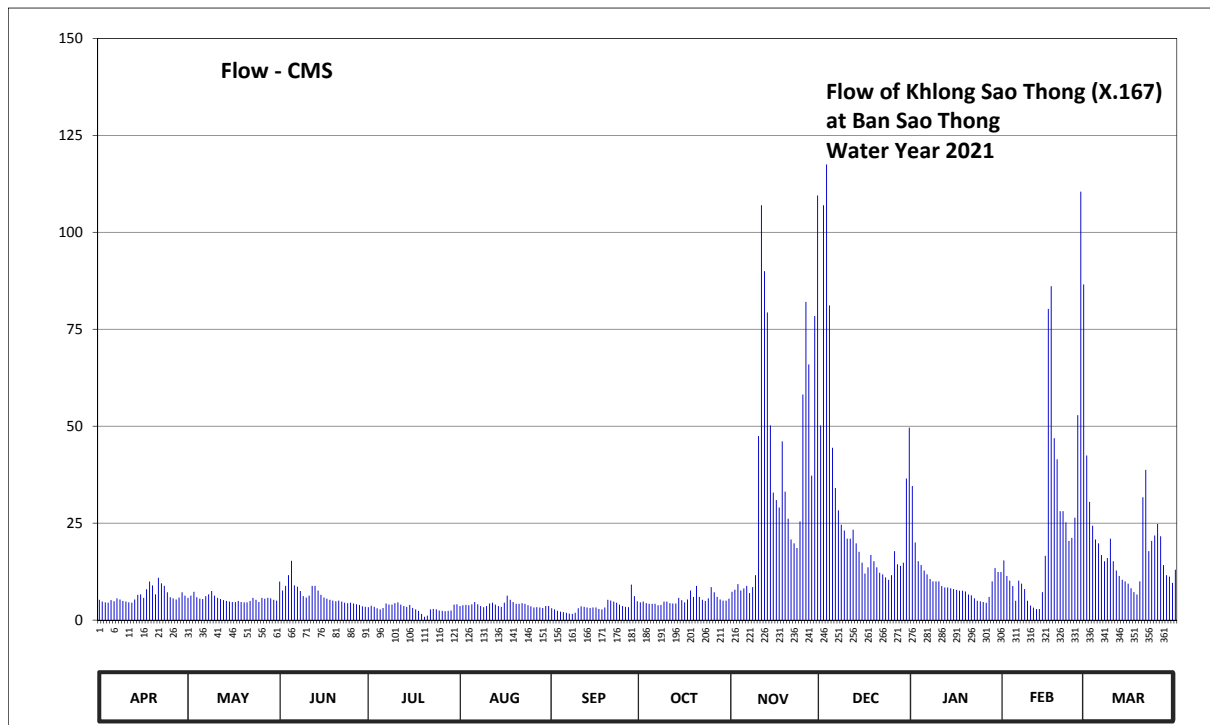
Lat 08 - 16 - 51 N Long 99 - 54 - 21 E

Location : on right bank at the bridge.

	Ban Sao Thong	Amphoe Ron Phibun	Changwat Nakhon Si Thammarat
Drainage 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 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.92	8.97	9.24	8.72	8.75	8.69	8.85	9.08	10.00	9.39	8.52	9.71	
2	8.87	9.02	9.10	8.76	8.77	8.66	8.87	9.11	11.40	8.75	8.32	9.22	
3	8.85	9.08	9.17	8.73	8.78	8.62	8.83	9.20	11.61	8.51	8.26	8.96	
4	8.84	8.99	9.34	8.69	8.77	8.60	8.81	9.10	10.87	8.46	8.19	8.79	
5	8.91	8.95	9.52	8.66	8.80	8.58	8.81	9.13	9.79	8.39	8.00	8.74	
6	8.88	8.94	9.18	8.70	8.86	8.56	8.81	9.17	9.37	8.34	8.26	8.59	
7	8.96	9.01	9.16	8.82	8.80	8.53	8.77	9.06	9.13	8.28	8.22	8.51	
8	8.93	9.04	9.09	8.79	8.75	8.52	8.78	9.15	8.97	8.25	8.15	8.55	
9	8.89	9.09	9.01	8.79	8.72	8.56	8.87	9.34	8.90	8.25	8.00	8.80	
10	8.87	9.02	8.98	8.83	8.75	8.69	8.87	9.90	8.80	8.25	7.93	8.51	
11	8.85	8.97	9.02	8.85	8.82	8.74	8.83	11.40	8.80	8.19	7.90	8.39	
12	8.84	8.94	9.17	8.79	8.84	8.73	8.82	11.06	8.91	8.17	7.88	8.32	
13	8.93	8.91	9.17	8.75	8.79	8.71	8.82	10.83	8.74	8.17	7.88	8.27	
14	9.03	8.89	9.10	8.73	8.75	8.70	8.97	10.00	8.63	8.16	8.11	8.25	
15	9.04	8.87	9.03	8.78	8.73	8.71	8.91	9.32	8.49	8.15	8.58	8.22	
16	8.97	8.86	8.98	8.70	8.84	8.71	8.85	9.24	8.35	8.14	10.85	8.16	
17	9.12	8.86	8.95	8.66	9.02	8.67	8.93	9.16	8.43	8.13	10.98	8.11	
18	9.24	8.89	8.92	8.62	8.92	8.66	9.10	9.85	8.59	8.13	9.88	8.08	
19	9.18	8.86	8.90	8.52	8.86	8.71	9.00	9.33	8.51	8.12	9.67	8.25	
20	9.04	8.85	8.88	8.42	8.81	8.92	9.17	9.04	8.43	8.08	9.12	9.27	
21	9.30	8.85	8.90	8.46	8.81	8.90	9.00	8.79	8.36	8.07	9.12	9.56	
22	9.21	8.89	8.87	8.66	8.83	8.87	8.92	8.74	8.34	8.03	9.00	8.64	
23	9.17	8.97	8.84	8.67	8.81	8.84	8.89	8.68	8.30	8.00	8.77	8.77	
24	9.07	8.92	8.83	8.66	8.77	8.79	8.96	9.01	8.27	7.99	8.81	8.84	
25	8.99	8.86	8.84	8.63	8.74	8.75	9.15	10.26	8.33	7.98	9.05	8.98	
26	8.96	8.97	8.82	8.62	8.71	8.73	9.07	10.89	8.64	7.97	10.09	8.83	
27	8.93	8.95	8.80	8.61	8.72	8.72	9.00	10.48	8.47	8.05	11.47	8.46	
28	8.98	8.97	8.78	8.62	8.71	9.19	8.93	9.50	8.45	8.25	10.99	8.33	
29	9.07	8.96	8.74	8.63	8.70	9.01	8.90	10.81	8.49	8.42		8.31	
30	9.02	8.92	8.73	8.79	8.75	8.88	8.90	11.45	9.47	8.37		8.23	
31		8.90		8.80	8.75		8.95		9.98	8.37		8.40	
Mean	9.00	8.94	9.00	8.69	8.79	8.73	8.91	9.67	9.03	8.25	8.93	8.61	
Max	9.30	9.09	9.52	8.85	9.02	9.19	9.17	11.45	11.61	9.39	11.47	9.71	11.61
Min	8.84	8.85	8.73	8.42	8.70	8.52	8.77	8.68	8.27	7.97	7.88	8.08	7.88
Annual Max Momentary Gage Height	12.34		m. (MSL.) ,			at 21.00 Hours , on Nov 29, 2021							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed 6.40	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	5.24	5.72	9.96	3.34	3.63	3.06	4.58	7.32	50.20	34.56	15.40	42.45		
2	4.77	6.33	7.65	3.72	3.82	2.77	4.77	7.82	107.00	20.00	11.40	30.48		
3	4.58	7.32	8.81	3.44	3.91	2.39	4.39	9.30	117.50	15.20	10.20	24.36		
4	4.48	5.91	11.61	3.06	3.82	2.20	4.20	7.65	81.15	14.20	8.80	20.80		
5	5.15	5.53	15.30	2.77	4.10	2.05	4.20	8.15	44.45	12.80	5.00	19.80		
6	4.86	5.43	8.97	3.15	4.67	1.90	4.20	8.81	34.08	11.80	10.20	16.80		
7	5.62	6.17	8.64	4.29	4.10	1.68	3.82	6.99	28.32	10.60	9.40	15.20		
8	5.34	6.66	7.49	4.01	3.63	1.60	3.91	8.48	24.57	10.00	8.00	16.00		
9	4.96	7.49	6.17	4.01	3.34	1.90	4.77	11.61	23.10	10.00	5.00	21.00		
10	4.77	6.33	5.81	4.39	3.63	3.06	4.77	47.45	21.00	10.00	3.74	15.20		
11	4.58	5.72	6.33	4.58	4.29	3.53	4.39	107.00	21.00	8.80	3.20	12.80		
12	4.48	5.43	8.81	4.01	4.48	3.44	4.29	90.00	23.31	8.40	2.84	11.40		
13	5.34	5.15	8.81	3.63	4.01	3.25	4.29	79.35	19.80	8.40	2.84	10.40		
14	6.50	4.96	7.65	3.44	3.63	3.15	5.72	50.20	17.60	8.20	7.20	10.00		
15	6.66	4.77	6.50	3.91	3.44	3.25	5.15	32.88	14.80	8.00	16.60	9.40		
16	5.72	4.67	5.81	3.15	4.48	3.25	4.58	30.96	12.00	7.80	80.25	8.20		
17	7.98	4.67	5.53	2.77	6.33	2.87	5.34	29.04	13.60	7.60	86.10	7.20		
18	9.96	4.96	5.24	2.39	5.24	2.77	7.65	46.08	16.80	7.60	46.90	6.60		
19	8.97	4.67	5.05	1.60	4.67	3.25	6.00	33.12	15.20	7.40	41.45	10.00		
20	6.66	4.58	4.86	0.85	4.20	5.24	8.81	26.16	13.60	6.60	28.08	31.68		
21	10.95	4.58	5.05	1.15	4.20	5.05	6.00	20.80	12.20	6.40	28.08	38.72		
22	9.47	4.96	4.77	2.77	4.39	4.77	5.24	19.80	11.80	5.60	25.20	17.80		
23	8.81	5.72	4.48	2.87	4.20	4.48	4.96	18.60	11.00	5.00	20.40	20.40		
24	7.16	5.24	4.39	2.77	3.82	4.01	5.62	25.44	10.40	4.82	21.21	21.84		
25	5.91	4.67	4.48	2.49	3.53	3.63	8.48	58.17	11.60	4.64	26.40	24.78		
26	5.62	5.72	4.29	2.39	3.25	3.44	7.16	82.05	17.80	4.46	52.86	21.63		
27	5.34	5.53	4.10	2.30	3.34	3.34	6.00	65.92	14.40	6.00	110.50	14.20		
28	5.81	5.72	3.91	2.39	3.25	9.14	5.34	37.25	14.00	10.00	86.55	11.60		
29	7.16	5.62	3.53	2.49	3.15	6.17	5.05	78.45	14.80	13.40		11.20		
30	6.33	5.24	3.44	4.01	3.63	4.86	5.05	109.50	36.52	12.40		9.60		
31		5.05		4.10	3.63		5.53		49.65	12.40		13.00		
Total	189.18	170.52	197.44	96.24	123.81	105.50	164.26	1164.35	903.25	313.08	773.80	544.54	4745.97	CMSDAY
Mean	6.31	5.50	6.58	3.10	3.99	3.52	5.30	38.81	29.14	10.10	27.64	17.57	13.00	CMS
Max	10.95	7.49	15.30	4.58	6.33	9.14	8.81	109.50	117.50	34.56	110.50	42.45	117.50	CMS
Min	4.48	4.58	3.44	0.85	3.15	1.60	3.82	6.99	10.40	4.46	2.84	6.60	0.85	CMS
Runoff	16.35	14.73	17.06	8.32	10.70	9.12	14.19	100.60	78.04	27.05	66.86	47.05	410.05	MCM
Momentary Peak	158.40 CMS. at 12.34 m. (MSL.) at 21.00 Hours , on Nov 29, 2021													
Runoff Yield	46.60	Liters/Second/Square KM.				Momentary Peak Yield		567.74	Liters/Second/Square KM.					

WATER YEAR : 2021

PENINSULA - UPPER EAST COAST BASIN

Khleng Tha Taphao at Mueang , Chumphon (X.180)

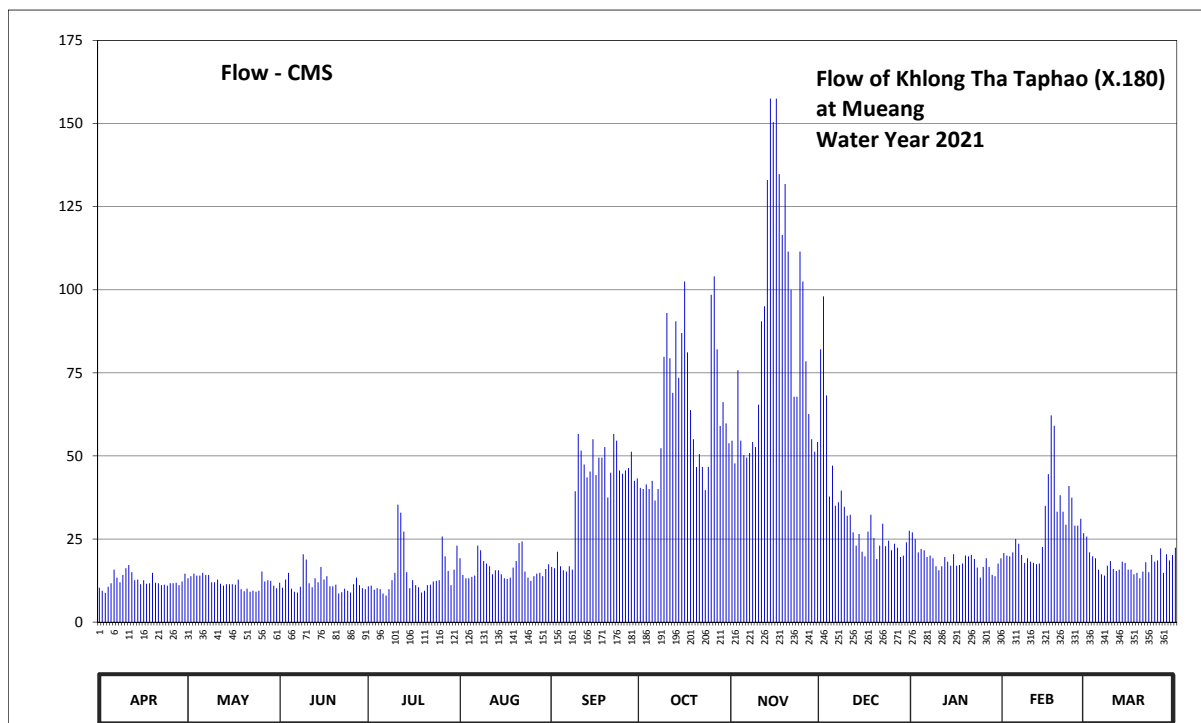
Lat 10 - 29 - 49 N Long 99 - 10 - 12 E

Location : on left bank at the bridge.

	Ban -	Amphoe Mueang	Changwat Chumphon
Drainage 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	Stable because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 13 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.29	0.46	0.39	0.32	0.76	0.63	0.84	1.24	1.89	1.12	0.84	1.07	
2	0.23	0.49	0.29	0.33	0.51	0.61	0.83	1.05	2.22	1.04	0.80	0.85	
3	0.18	0.53	0.44	0.25	0.46	0.86	0.87	1.75	1.58	0.85	0.79	0.79	
4	0.31	0.50	0.54	0.28	0.46	0.64	0.83	1.24	1.48	0.90	0.85	0.76	
5	0.38	0.50	0.27	0.26	0.48	0.58	0.90	1.12	1.68	0.88	1.04	0.59	
6	0.59	0.54	0.21	0.16	0.50	0.56	0.72	1.10	1.40	0.78	0.98	0.52	
7	0.47	0.51	0.19	0.10	0.95	0.64	0.83	1.14	1.43	0.80	0.81	0.50	
8	0.40	0.51	0.31	0.26	0.88	0.59	1.18	1.23	1.53	0.76	0.69	0.65	
9	0.51	0.40	0.82	0.43	0.72	0.81	1.84	1.19	1.39	0.64	0.76	0.72	
10	0.61	0.40	0.74	0.54	0.68	1.29	2.12	1.51	1.30	0.58	0.71	0.60	
11	0.66	0.44	0.38	1.41	0.64	1.16	1.83	2.07	1.31	0.64	0.69	0.57	
12	0.55	0.37	0.30	1.33	0.52	1.04	1.60	2.16	1.12	0.78	0.67	0.59	
13	0.43	0.33	0.46	1.13	0.58	0.93	2.07	2.90	0.95	0.71	0.68	0.71	
14	0.44	0.36	0.40	0.55	0.58	0.98	1.70	3.30	1.10	0.65	0.93	0.69	
15	0.36	0.36	0.63	0.28	0.52	1.25	2.00	3.19	0.86	0.82	1.40	0.59	
16	0.43	0.36	0.44	0.43	0.46	0.95	2.31	3.30	0.79	0.65	1.64	0.59	
17	0.37	0.35	0.49	0.34	0.45	1.10	1.87	2.93	1.13	0.66	1.92	0.52	
18	0.38	0.44	0.32	0.30	0.47	1.10	1.47	2.59	1.31	0.68	1.87	0.54	
19	0.54	0.26	0.32	0.19	0.62	1.19	1.25	2.88	1.05	0.80	1.34	0.46	
20	0.39	0.22	0.35	0.23	0.72	0.75	1.02	2.49	0.75	0.79	1.49	0.56	
21	0.38	0.27	0.16	0.34	0.99	0.97	1.13	2.26	0.95	0.81	1.34	0.70	
22	0.34	0.21	0.20	0.35	1.01	1.29	1.02	1.57	1.22	0.75	1.21	0.55	
23	0.35	0.23	0.27	0.41	0.56	1.24	0.82	1.57	0.94	0.62	1.57	0.81	
24	0.33	0.21	0.23	0.42	0.47	0.99	1.02	2.49	1.02	0.47	1.47	0.71	
25	0.38	0.23	0.19	0.43	0.42	0.96	2.23	2.31	0.88	0.63	1.20	0.73	
26	0.38	0.56	0.36	1.07	0.49	0.99	2.34	1.81	0.98	0.76	1.20	0.91	
27	0.39	0.41	0.47	0.79	0.53	1.01	1.89	1.44	0.92	0.63	1.27	0.54	
28	0.34	0.43	0.34	0.57	0.54	1.15	1.35	1.25	0.78	0.51	1.11	0.82	
29	0.41	0.42	0.28	0.34	0.49	0.90	1.53	1.15	0.80	0.49		0.73	
30	0.53	0.33	0.26	0.59	0.60	0.92	1.37	1.23	1.00	0.68		0.81	
31		0.28		0.95	0.67		1.22		1.14	0.76		0.92	
Mean	0.41	0.38	0.37	0.50	0.60	0.94	1.42	1.92	1.19	0.73	1.12	0.68	
Max	0.66	0.56	0.82	1.41	1.01	1.29	2.34	3.30	2.22	1.12	1.92	1.07	3.30
Min	0.18	0.21	0.16	0.10	0.42	0.56	0.72	1.05	0.75	0.47	0.67	0.46	0.10
Annual Max Momentary Gage Height	3.44		m. (MSL.) ,				at 14.00 Hours , on Nov 14, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	-3.67	m. (MSL.)					
Left Bank Elevation		3.80	m. (MSL.) ,										
Right Bank Elevation		3.90	m. (MSL.) ,			Drainage Are	1,926	Square Kilometers					

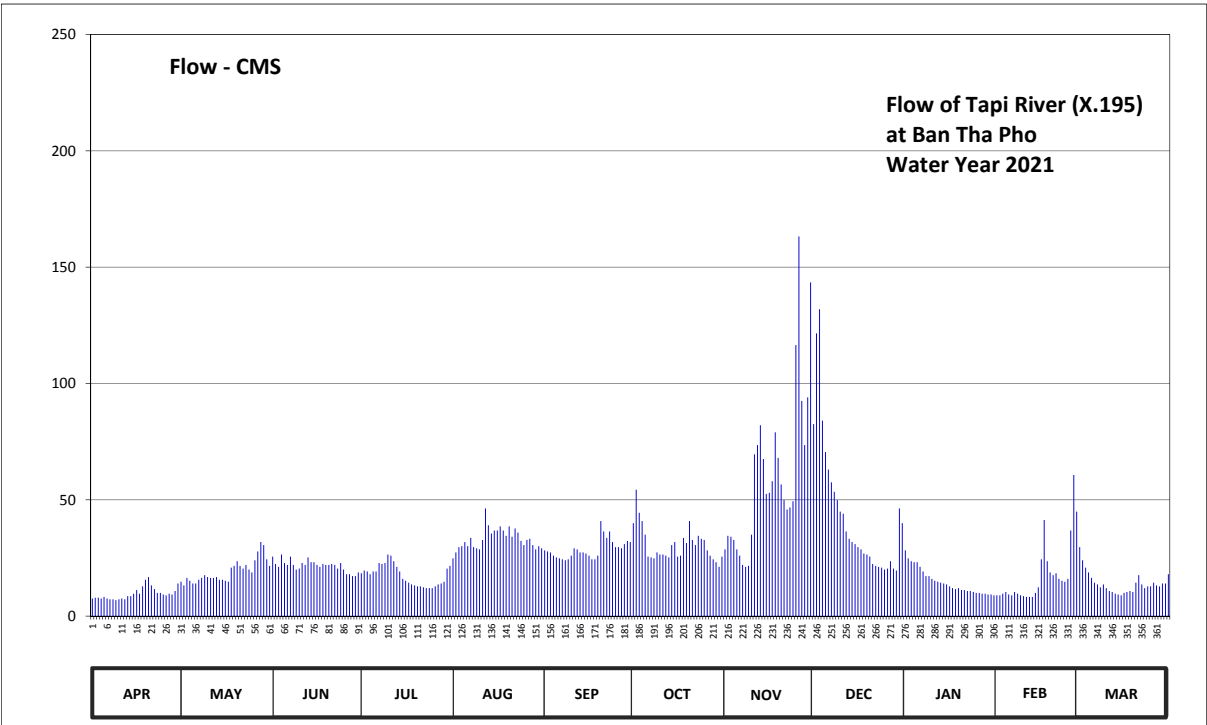


Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	10.35	13.20	11.85	10.80	19.20	16.60	40.40	54.60	82.05	27.00	20.80	25.75		
2	9.45	13.80	10.35	10.95	14.20	16.20	40.05	47.75	98.00	25.00	20.00	21.00		
3	8.80	14.60	12.80	9.75	13.20	21.20	41.45	75.75	68.20	21.00	19.80	19.80		
4	10.65	14.00	14.80	10.20	13.20	16.80	40.05	54.60	37.80	22.00	21.00	19.20		
5	11.70	14.00	10.05	9.90	13.60	15.60	42.50	50.20	47.05	21.60	25.00	15.80		
6	15.80	14.80	9.15	8.60	14.00	15.20	36.60	49.50	35.00	19.60	23.60	14.40		
7	13.40	14.20	8.90	8.00	23.00	16.80	40.05	50.90	36.05	20.00	20.20	14.00		
8	12.00	14.20	10.65	9.90	21.60	15.80	52.30	54.20	39.55	19.20	17.80	17.00		
9	14.20	12.00	20.40	12.60	18.40	39.35	79.80	52.65	34.70	16.80	19.20	18.40		
10	16.20	12.00	18.80	14.80	17.60	56.60	93.00	65.40	32.00	15.60	18.20	16.00		
11	17.20	12.80	11.70	35.35	16.80	51.60	79.35	90.50	32.30	16.80	17.80	15.40		
12	15.00	11.55	10.50	32.90	14.40	47.40	69.00	95.00	27.00	19.60	17.40	15.80		
13	12.60	10.95	13.20	27.25	15.60	43.55	90.50	133.00	23.00	18.20	17.60	18.20		
14	12.80	11.40	12.00	15.00	15.60	45.30	73.50	157.50	26.50	17.00	22.60	17.80		
15	11.40	11.40	16.60	10.20	14.40	55.00	87.00	150.40	21.20	20.40	35.00	15.80		
16	12.60	11.40	12.80	12.60	13.20	44.25	102.50	157.50	19.80	17.00	44.53	15.80		
17	11.55	11.25	13.80	11.10	13.00	49.50	81.15	134.80	27.25	17.20	62.20	14.40		
18	11.70	12.80	10.80	10.50	13.40	49.50	63.80	116.50	32.30	17.60	59.04	14.80		
19	14.80	9.90	10.80	8.90	16.40	52.65	55.00	131.80	25.25	20.00	33.20	13.20		
20	11.85	9.30	11.25	9.45	18.40	37.50	46.70	111.50	19.00	19.80	38.15	15.20		
21	11.70	10.05	8.60	11.10	23.80	44.95	50.55	100.00	23.00	20.20	33.20	18.00		
22	11.10	9.15	9.00	11.25	24.25	56.60	46.70	67.80	29.60	19.00	29.30	15.00		
23	11.25	9.45	10.05	12.20	15.20	54.60	39.70	67.80	22.80	16.40	40.95	20.20		
24	10.95	9.15	9.45	12.40	13.40	45.65	46.70	111.50	24.50	13.40	37.45	18.20		
25	11.70	9.45	8.90	12.60	12.40	44.60	98.50	102.50	21.60	16.60	29.00	18.60		
26	11.70	15.20	11.40	25.75	13.80	45.65	104.00	78.45	23.60	19.20	29.00	22.20		
27	11.85	12.20	13.40	19.80	14.60	46.35	82.05	62.60	22.40	16.60	31.10	14.80		
28	11.10	12.60	11.10	15.40	14.80	51.25	59.00	55.00	19.60	14.20	26.75	20.40		
29	12.20	12.40	10.20	11.10	13.80	42.50	66.20	51.25	20.00	13.80		18.60		
30	14.60	10.95	9.90	15.80	16.00	43.20	59.80	54.20	24.00	17.60		20.20		
31		10.20		23.00	17.40		53.80		27.50	19.20		22.40		
Total	372.20	370.35	353.20	449.15	498.65	1181.75	1961.70	2585.15	1022.60	577.60	809.87	546.35	10728.57	CMSDAY
Mean	12.41	11.95	11.77	14.49	16.09	39.39	63.28	86.17	32.99	18.63	28.92	17.62	29.39	CMS
Max	17.20	15.20	20.40	35.35	24.25	56.60	104.00	157.50	98.00	27.00	62.20	25.75	157.50	CMS
Min	8.80	9.15	8.60	8.00	12.40	15.20	36.60	47.75	19.00	13.40	17.40	13.20	8.00	CMS
Runoff	32.16	32.00	30.52	38.81	43.08	102.10	169.49	223.36	88.35	49.90	69.97	47.20	926.95	MCM
Momentary Peak		166.60	CMS. at 3.44 m. (MSL.) at 14.00 Hours , on Nov 14, 2021											
Runoff Yield		15.26	Liters/Second/Square KM.				Momentary Peak Yield		86.50	Liters/Second/Square KM.				

	Ban	Tha Pho	Amphoe	Chawang	Changwat	Nakhon Si Thammarat
Drainage 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 15 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022														
Date		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
	1	32.33	32.52	32.79	32.61	32.77	32.85	33.11	32.86	34.01	32.85	32.37	32.88	
	2	32.34	32.48	32.71	32.64	32.83	32.84	33.43	32.99	34.79	32.77	32.37	32.75	
	3	32.34	32.56	32.68	32.63	32.88	32.83	33.21	32.98	34.98	32.74	32.39	32.67	
	4	32.33	32.53	32.81	32.60	32.89	32.80	33.13	32.95	34.04	32.73	32.41	32.62	
	5	32.35	32.50	32.72	32.63	32.93	32.78	33.00	32.86	33.77	32.73	32.38	32.56	
	6	32.33	32.50	32.70	32.63	32.89	32.77	32.79	32.80	33.62	32.68	32.37	32.51	
	7	32.32	32.54	32.79	32.72	32.97	32.76	32.78	32.70	33.50	32.63	32.41	32.49	
	8	32.32	32.56	32.70	32.71	32.88	32.75	32.77	32.68	33.41	32.58	32.39	32.46	
	9	32.31	32.59	32.65	32.72	32.87	32.76	32.83	32.69	33.33	32.58	32.37	32.49	
	10	32.32	32.57	32.66	32.81	32.86	32.80	32.81	33.00	33.22	32.55	32.36	32.45	
	11	32.33	32.56	32.72	32.80	32.95	32.87	32.81	33.75	33.20	32.53	32.35	32.42	
	12	32.32	32.56	32.70	32.74	33.25	32.86	32.80	33.83	33.03	32.52	32.35	32.41	
	13	32.36	32.57	32.78	32.68	33.09	32.83	32.78	34.00	32.96	32.51	32.35	32.39	
	14	32.36	32.54	32.73	32.63	33.01	32.83	32.90	33.71	32.93	32.50	32.40	32.38	
	15	32.39	32.54	32.73	32.55	33.04	32.82	32.93	33.39	32.91	32.49	32.46	32.37	
	16	32.43	32.53	32.70	32.53	33.04	32.80	32.79	33.40	32.88	32.47	32.76	32.40	
	17	32.39	32.52	32.68	32.51	33.08	32.76	32.80	33.51	32.86	32.45	33.14	32.41	
	18	32.47	32.67	32.71	32.49	33.04	32.76	32.97	33.94	32.82	32.44	32.74	32.42	
	19	32.54	32.69	32.70	32.48	32.99	32.80	32.92	33.72	32.81	32.45	32.62	32.41	
	20	32.57	32.74	32.70	32.47	33.08	33.13	33.13	33.48	32.79	32.43	32.59	32.51	
	21	32.48	32.69	32.71	32.47	32.98	33.03	32.95	33.33	32.71	32.43	32.61	32.59	
	22	32.44	32.66	32.70	32.46	33.06	32.97	32.90	33.24	32.69	32.42	32.55	32.49	
	23	32.40	32.70	32.66	32.45	33.02	33.03	32.99	33.26	32.68	32.42	32.53	32.45	
	24	32.40	32.65	32.72	32.45	32.94	32.93	32.96	33.32	32.67	32.41	32.52	32.47	
	25	32.38	32.62	32.65	32.45	32.90	32.88	32.95	34.69	32.65	32.40	32.55	32.47	
	26	32.37	32.75	32.60	32.47	32.95	32.88	32.85	35.52	32.66	32.40	33.04	32.51	
	27	32.39	32.84	32.60	32.49	32.96	32.87	32.80	34.21	32.74	32.39	33.57	32.48	
	28	32.38	32.93	32.58	32.50	32.90	32.91	32.76	33.83	32.66	32.39	33.22	32.47	
	29	32.42	32.90	32.58	32.52	32.86	32.94	32.73	34.24	32.64	32.38		32.50	
	30	32.50	32.76	32.62	32.66	32.89	32.93	32.68	35.19	33.25	32.38		32.50	
	31		32.69		32.69	32.87		32.79		33.11	32.37		32.60	
Mean		32.39	32.63	32.69	32.59	32.96	32.86	32.90	33.54	33.17	32.52	32.58	32.50	
Max		32.57	32.93	32.81	32.81	33.25	33.13	33.43	35.52	34.98	32.85	33.57	32.88	35.52
Min		32.31	32.48	32.58	32.45	32.77	32.75	32.68	32.68	32.64	32.37	32.35	32.37	32.31
Annual Max Momentary Gage Height		37.10		m. (MSL.) ,		at 23.00 Hours , on Nov 25, 2021								
Zero Gage at Bottom Elevation		0.00		m. (MSL.) ,		River Bed		30.56		m. (MSL.)				
Left Bank Elevation		40.32		m. (MSL.) ,										
Right Bank Elevation		38.00		m. (MSL.) ,		Drainage Are		492		Square Kilometers				



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	7.55	14.80	25.60	18.40	24.80	28.25	39.95	28.70	82.50	28.25	8.95	29.60		
2	7.90	13.20	22.40	19.60	27.35	27.80	54.35	34.55	121.50	24.80	8.95	24.00		
3	7.90	16.40	21.20	19.20	29.60	27.35	44.45	34.10	131.90	23.60	9.65	20.80		
4	7.55	15.20	26.45	18.00	30.05	26.00	40.85	32.75	84.00	23.20	10.40	18.80		
5	8.25	14.00	22.80	19.20	31.85	25.20	35.00	28.70	70.50	23.20	9.30	16.40		
6	7.55	14.00	22.00	19.20	30.05	24.80	25.60	26.00	63.00	21.20	8.95	14.40		
7	7.20	15.60	25.60	22.80	33.65	24.40	25.20	22.00	57.50	19.20	10.40	13.60		
8	7.20	16.40	22.00	22.40	29.60	24.00	24.80	21.20	53.45	17.20	9.65	12.40		
9	6.85	17.60	20.00	22.80	29.15	24.40	27.35	21.60	49.85	17.20	8.95	13.60		
10	7.20	16.80	20.40	26.45	28.70	26.00	26.45	35.00	44.90	16.00	8.60	12.00		
11	7.55	16.40	22.80	26.00	32.75	29.15	26.45	69.50	44.00	15.20	8.25	10.80		
12	7.20	16.40	22.00	23.60	46.25	28.70	26.00	73.50	36.35	14.80	8.25	10.40		
13	8.60	16.80	25.20	21.20	39.05	27.35	25.20	82.00	33.20	14.40	8.25	9.65		
14	8.60	15.60	23.20	19.20	35.45	27.35	30.50	67.50	31.85	14.00	10.00	9.30		
15	9.65	15.60	23.20	16.00	36.80	26.90	31.85	52.55	30.95	13.60	12.40	8.95		
16	11.20	15.20	22.00	15.20	36.80	26.00	25.60	53.00	29.60	12.80	24.40	10.00		
17	9.65	14.80	21.20	14.40	38.60	24.40	26.00	57.95	28.70	12.00	41.30	10.40		
18	12.80	20.80	22.40	13.60	36.80	24.40	33.65	79.00	26.90	11.60	23.60	10.80		
19	15.60	21.60	22.00	13.20	34.55	26.00	31.40	68.00	26.45	12.00	18.80	10.40		
20	16.80	23.60	22.00	12.80	38.60	40.85	40.85	56.60	25.60	11.20	17.60	14.40		
21	13.20	21.60	22.40	12.80	34.10	36.35	32.75	49.85	22.40	11.20	18.40	17.60		
22	11.60	20.40	22.00	12.40	37.70	33.65	30.50	45.80	21.60	10.80	16.00	13.60		
23	10.00	22.00	20.40	12.00	35.90	36.35	34.55	46.70	21.20	10.80	15.20	12.00		
24	10.00	20.00	22.80	12.00	32.30	31.85	33.20	49.40	20.80	10.40	14.80	12.80		
25	9.30	18.80	20.00	12.00	30.50	29.60	32.75	116.50	20.00	10.00	16.00	12.80		
26	8.95	24.00	18.00	12.80	32.75	29.60	28.25	163.20	20.40	10.00	36.80	14.40		
27	9.65	27.80	18.00	13.60	33.20	29.15	26.00	92.50	23.60	9.65	60.65	13.20		
28	9.30	31.85	17.20	14.00	30.50	30.95	24.40	73.50	20.40	9.65	44.90	12.80		
29	10.80	30.50	17.20	14.80	28.70	32.30	23.20	94.00	19.60	9.30		14.00		
30	14.00	24.40	18.80	20.40	30.05	31.85	21.20	143.45	46.25	9.30		14.00		
31		21.60		21.60	29.15		25.60		39.95	8.95		18.00		
Total	289.60	593.75	651.25	541.65	1025.30	860.95	953.90	1819.10	1348.90	455.50	489.40	435.90	9465.20	CMSDAY
Mean	9.65	19.15	21.71	17.47	33.07	28.70	30.77	60.64	43.51	14.69	17.48	14.06	25.93	CMS
Max	16.80	31.85	26.45	26.45	46.25	40.85	54.35	163.20	131.90	28.25	60.65	29.60	163.20	CMS
Min	6.85	13.20	17.20	12.00	24.80	24.00	21.20	21.20	19.60	8.95	8.25	8.95	6.85	CMS
Runoff	25.02	51.30	56.27	46.80	88.59	74.39	82.42	157.17	116.54	39.36	42.28	37.66	817.79	MCM
Momentary Peak	278.00 CMS, at 37.10 m. (MSL.), at 23.00 Hours, on Nov 25, 2021													
Runoff Yield	52.71	Liters/Second/Square KM.			Momentary Peak Yield		565.04	Liters/Second/Square KM.						

WATER YEAR : 2021

PENINSULA - UPPER EAST COAST BASIN

Khlong Sin Pun at Ban Bang Rup , Surat Thani (X.198)

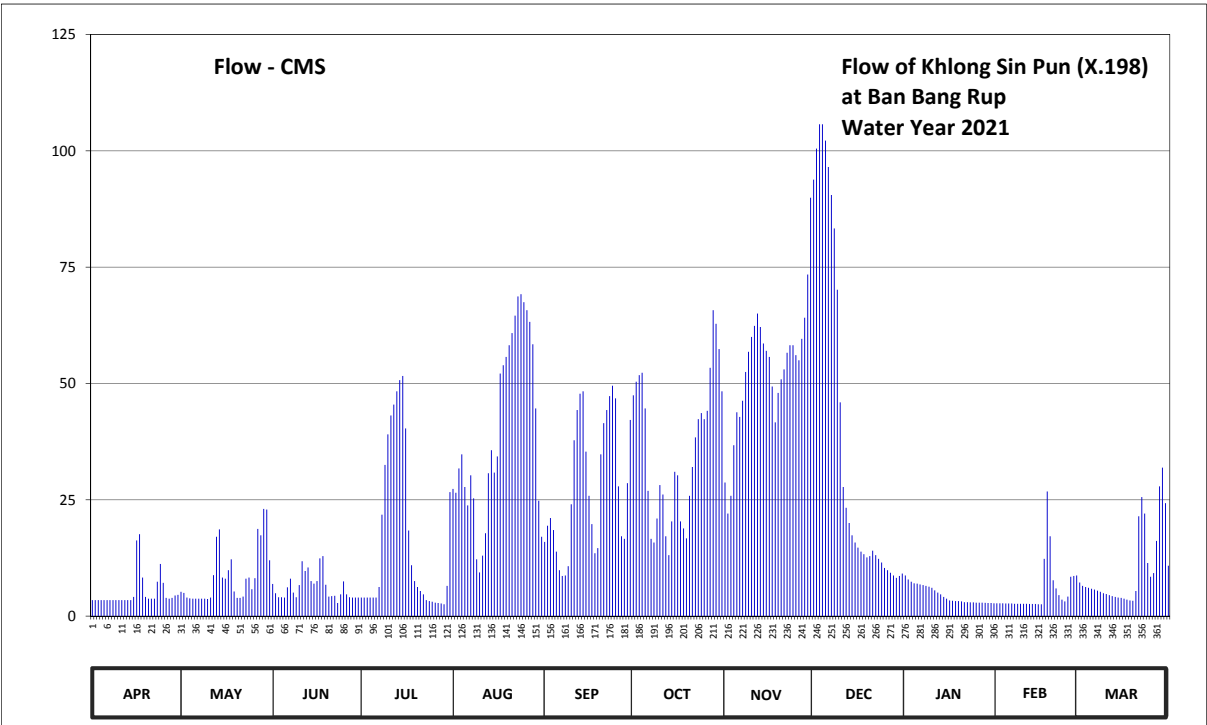
Lat 08 - 24 - 52 N Long 99 - 15 - 00 E

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 because of backwater effect.		
Overbank Flow Conditions	Overbank flow starts at elevation + 16.630 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 15 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	10.66	10.89	11.10	10.73	12.98	12.04	14.28	13.08	16.26	11.32	10.55	11.14	
2	10.66	10.86	10.85	10.73	12.92	12.35	14.45	12.57	16.47	11.22	10.55	11.05	
3	10.66	10.73	10.74	10.73	13.29	12.49	14.53	12.87	16.62	11.16	10.55	11.02	
4	10.66	10.71	10.74	10.73	13.49	12.27	14.56	13.62	16.62	11.12	10.54	11.00	
5	10.66	10.70	10.73	10.73	13.01	11.85	14.11	14.06	16.52	11.11	10.54	10.97	
6	10.66	10.70	11.01	10.73	12.71	11.45	12.95	14.00	16.35	11.09	10.54	10.95	
7	10.66	10.70	11.24	11.02	13.19	11.31	12.10	14.21	16.15	11.07	10.53	10.92	
8	10.66	10.70	10.87	12.55	12.83	11.32	12.03	14.57	15.91	11.05	10.53	10.89	
9	10.66	10.70	10.74	13.34	11.69	11.54	12.48	14.81	15.41	11.03	10.53	10.85	
10	10.66	10.69	11.07	13.77	11.40	12.73	13.04	14.97	14.19	11.00	10.53	10.83	
11	10.66	10.73	11.65	14.02	11.77	13.69	12.89	15.08	13.01	10.93	10.53	10.80	
12	10.66	11.33	11.43	14.16	12.21	14.09	12.15	15.20	12.67	10.87	10.52	10.77	
13	10.66	12.14	11.51	14.33	13.22	14.30	11.78	15.07	12.40	10.82	10.52	10.75	
14	10.66	12.28	11.18	14.47	13.55	14.33	12.43	14.90	12.17	10.75	10.52	10.73	
15	10.75	11.27	11.11	14.52	13.23	13.53	13.24	14.82	12.03	10.70	10.51	10.72	
16	12.07	11.24	11.18	13.85	13.46	12.87	13.19	14.75	11.93	10.65	10.51	10.70	
17	12.19	11.45	11.71	12.26	14.55	12.38	12.43	14.39	11.85	10.64	11.70	10.67	
18	11.27	11.69	11.76	11.56	14.65	11.82	12.30	13.93	11.80	10.63	12.94	10.65	
19	10.75	10.90	11.08	11.18	14.75	11.92	12.11	14.31	11.73	10.63	12.15	10.64	
20	10.70	10.72	10.76	11.02	14.88	13.49	12.87	14.48	11.76	10.62	11.20	10.91	
21	10.70	10.72	10.77	10.91	15.01	13.92	13.31	14.60	11.87	10.60	10.98	12.52	
22	10.70	10.76	10.78	10.82	15.18	14.09	13.73	14.80	11.78	10.60	10.80	12.85	
23	11.16	11.24	10.56	10.66	15.35	14.27	13.97	14.88	11.70	10.59	10.67	12.57	
24	11.59	11.27	10.82	10.63	15.37	14.40	14.05	14.88	11.62	10.59	10.62	11.61	
25	11.13	10.96	11.17	10.61	15.30	14.24	13.97	14.77	11.50	10.58	10.76	11.29	
26	10.72	11.25	10.82	10.58	15.23	13.02	14.08	14.71	11.45	10.58	11.29	11.38	
27	10.70	12.29	10.74	10.56	15.12	12.15	14.62	14.95	11.39	10.58	11.31	12.06	
28	10.72	12.17	10.73	10.54	14.89	12.10	15.23	15.16	11.32	10.57	11.32	13.02	
29	10.79	12.65	10.73	10.51	14.11	13.07	15.10	15.54	11.26	10.56		13.30	
30	10.81	12.64	10.73	11.05	12.79	13.96	14.84	16.13	11.31	10.56		12.75	
31		11.67		12.93	12.14		14.33		11.37	10.55		11.55	
Mean	10.87	11.25	11.01	11.81	13.69	12.90	13.46	14.54	13.17	10.80	10.87	11.35	
Max	12.19	12.65	11.76	14.52	15.37	14.40	15.23	16.13	16.62	11.32	12.94	13.30	16.62
Min	10.66	10.69	10.56	10.51	11.40	11.31	11.78	12.57	11.26	10.55	10.51	10.64	10.51
Annual Max Momentary Gage Height	16.65		m. (MSL.) ,			at 20.00 Hours , on Dec 3, 2021							
Zero Gage at Bottom Elevation	9.00		m. (MSL.) ,			River Bed 9.10	m. (MSL.)						
Left Bank Elevation	16.81		m. (MSL.) ,										
Right Bank Elevation	16.62		m. (MSL.) ,			Drainage Are 924	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.45	5.22	6.90	3.98	27.33	15.94	47.46	28.72	93.80	8.72	2.75	7.22	
2	3.45	4.98	4.90	3.98	26.52	19.43	50.38	22.04	100.45	7.87	2.75	6.50	
3	3.45	3.98	4.05	3.98	31.75	21.08	51.78	25.85	105.70	7.38	2.75	6.26	
4	3.45	3.83	4.05	3.98	34.75	18.51	52.30	36.71	105.70	7.06	2.70	6.10	
5	3.45	3.75	3.98	3.98	27.74	13.85	44.62	43.79	102.20	6.98	2.70	5.86	
6	3.45	3.75	6.18	3.98	23.78	9.88	26.93	42.80	96.50	6.82	2.70	5.70	
7	3.45	3.75	8.04	6.26	30.26	8.64	16.60	46.27	90.50	6.66	2.65	5.46	
8	3.45	3.75	5.06	21.80	25.31	8.72	15.83	52.48	83.30	6.50	2.65	5.22	
9	3.45	3.75	4.05	32.50	12.20	10.73	20.96	56.80	70.15	6.34	2.65	4.90	
10	3.45	3.68	6.66	39.04	9.40	24.03	28.16	60.00	45.94	6.10	2.65	4.74	
11	3.45	3.98	11.80	43.13	13.00	37.80	26.12	62.36	27.74	5.54	2.65	4.50	
12	3.45	8.81	9.69	45.44	17.82	44.29	17.15	65.00	23.28	5.06	2.60	4.28	
13	3.45	17.04	10.45	48.31	30.70	47.80	13.10	62.14	20.00	4.66	2.60	4.13	
14	3.45	18.62	7.54	50.73	35.65	48.31	20.36	58.60	17.37	4.13	2.60	3.98	
15	4.13	8.30	6.98	51.60	30.85	35.35	31.00	57.00	15.83	3.75	2.55	3.90	
16	16.27	8.04	7.54	40.33	34.30	25.85	30.26	55.70	14.73	3.38	2.55	3.75	
17	17.59	9.88	12.40	18.39	52.13	19.77	20.36	49.33	13.85	3.30	12.30	3.53	
18	8.30	12.20	12.90	10.92	53.90	13.52	18.85	41.65	13.30	3.23	26.79	3.38	
19	4.13	5.30	6.74	7.54	55.70	14.62	16.71	47.97	12.60	3.23	17.15	3.30	
20	3.75	3.90	4.20	6.26	58.20	34.75	25.85	50.90	12.90	3.15	7.70	5.38	
21	3.75	3.90	4.28	5.38	60.82	41.48	32.05	53.00	14.07	3.00	5.94	21.44	
22	3.75	4.20	4.35	4.66	64.56	44.29	38.42	56.60	13.10	3.00	4.50	25.58	
23	7.38	8.04	2.80	3.45	68.68	47.29	42.31	58.20	12.30	2.95	3.53	22.04	
24	11.21	8.30	4.66	3.23	69.17	49.50	43.63	58.20	11.50	2.95	3.15	11.40	
25	7.14	5.78	7.46	3.08	67.45	46.78	42.31	56.06	10.35	2.90	4.20	8.47	
26	3.90	8.13	4.66	2.90	65.74	27.88	44.12	54.98	9.88	2.90	8.47	9.23	
27	3.75	18.74	4.05	2.80	63.24	17.15	53.36	59.60	9.32	2.90	8.64	16.16	
28	3.90	17.37	3.98	2.70	58.40	16.60	65.74	64.12	8.72	2.85	8.72	27.88	
29	4.43	23.03	3.98	2.55	44.62	28.58	62.80	73.40	8.21	2.80		31.90	
30	4.58	22.90	3.98	6.50	24.78	42.14	57.40	89.90	8.64	2.80		24.28	
31		12.00		26.66	17.04		48.31		9.15	2.75		10.83	
Total	156.26	268.90	188.31	510.04	1235.79	834.56	1105.23	1590.17	1181.08	141.66	153.59	307.30	7672.89 CMSDAY
Mean	5.21	8.67	6.28	16.45	39.86	27.82	35.65	53.01	38.10	4.57	5.49	9.91	21.02 CMS
Max	17.59	23.03	12.90	51.60	69.17	49.50	65.74	89.90	105.70	8.72	26.79	31.90	105.70 CMS
Min	3.45	3.68	2.80	2.55	9.40	8.64	13.10	22.04	8.21	2.75	2.55	3.30	2.55 CMS
Runoff	13.50	23.23	16.27	44.07	106.77	72.11	95.49	137.39	102.05	12.24	13.27	26.55	662.94 MCM
Momentary Peak	106.75	CMS, at 16.65 m. (MSL.), at 20.00 Hours, on Dec 3, 2021											
Runoff Yield	22.75	Liters/Second/Square KM.		Momentary Peak Yield		115.53	Liters/Second/Square KM.						

WATER YEAR : 2021

PENINSULA - UPPER EAST COAST BASIN

Upper Khlong Chumphon at Ban Tha Mai Lai , Chumphon (X.201A)

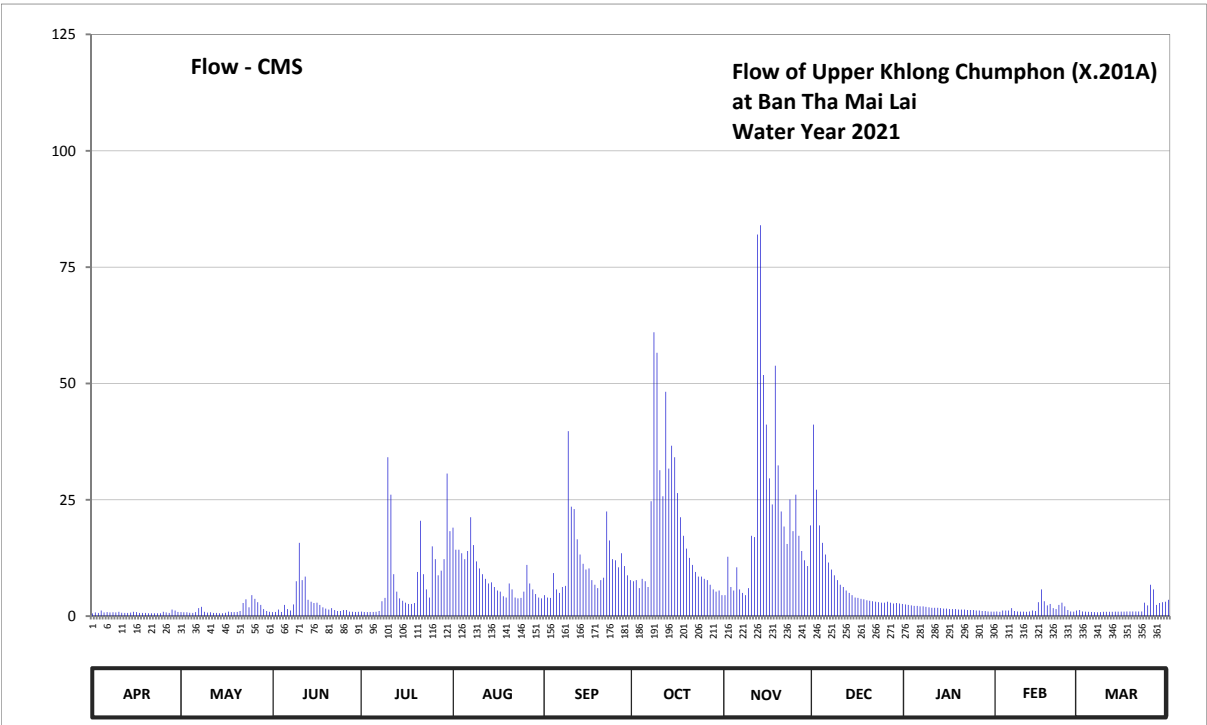
Lat 10 - 30 - 12 N Long 98 - 57 - 52 E

Location : on right bank at the bridge.

	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	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 15 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	37.17	37.26	37.26	37.29	38.20	37.62	37.74	37.62	38.89	37.45	37.30	37.33	
2	37.24	37.25	37.27	37.27	38.01	37.60	37.75	37.95	38.49	37.44	37.28	37.30	
3	37.20	37.25	37.34	37.26	38.01	37.59	37.68	37.69	38.22	37.43	37.32	37.29	
4	37.32	37.22	37.27	37.27	37.98	37.81	37.76	37.66	38.07	37.42	37.32	37.28	
5	37.24	37.21	37.44	37.27	37.93	37.67	37.74	37.86	37.97	37.42	37.32	37.27	
6	37.26	37.26	37.35	37.28	38.00	37.64	37.69	37.67	37.90	37.41	37.37	37.26	
7	37.24	37.37	37.32	37.31	38.29	37.69	38.42	37.64	37.84	37.41	37.31	37.25	
8	37.25	37.40	37.45	37.52	38.05	37.70	39.40	37.62	37.79	37.40	37.30	37.26	
9	37.24	37.28	37.74	37.59	37.91	38.85	39.29	37.68	37.75	37.39	37.29	37.28	
10	37.28	37.23	38.07	38.69	37.85	38.38	38.61	38.13	37.71	37.38	37.29	37.28	
11	37.22	37.25	37.75	38.46	37.80	38.36	38.45	38.12	37.69	37.38	37.28	37.28	
12	37.21	37.21	37.78	37.80	37.76	38.10	39.08	39.84	37.66	37.38	37.30	37.28	
13	37.20	37.20	37.55	37.65	37.72	37.97	38.62	39.88	37.64	37.37	37.32	37.29	
14	37.23	37.18	37.51	37.58	37.73	37.89	38.76	39.17	37.62	37.36	37.31	37.29	
15	37.28	37.19	37.48	37.53	37.69	37.84	38.69	38.89	37.60	37.36	37.50	37.29	
16	37.26	37.22	37.49	37.49	37.66	37.85	38.47	38.56	37.59	37.35	37.67	37.29	
17	37.21	37.29	37.44	37.46	37.65	37.75	38.29	38.40	37.57	37.35	37.52	37.30	
18	37.20	37.26	37.39	37.46	37.61	37.71	38.13	39.22	37.56	37.35	37.43	37.30	
19	37.21	37.26	37.36	37.48	37.60	37.68	38.02	38.64	37.54	37.34	37.46	37.30	
20	37.19	37.27	37.34	37.82	37.72	37.75	37.94	38.34	37.53	37.34	37.37	37.30	
21	37.19	37.31	37.37	38.26	37.67	37.77	37.88	38.21	37.52	37.34	37.35	37.30	
22	37.19	37.48	37.33	37.80	37.60	38.34	37.82	38.06	37.51	37.33	37.44	37.30	
23	37.19	37.56	37.31	37.67	37.58	38.09	37.78	38.43	37.50	37.33	37.49	37.49	
24	37.18	37.39	37.31	37.60	37.59	37.93	37.78	38.17	37.49	37.33	37.41	37.43	
25	37.28	37.62	37.33	38.04	37.65	37.92	37.76	38.46	37.49	37.32	37.33	37.71	
26	37.24	37.57	37.33	37.93	37.88	37.86	37.75	38.13	37.51	37.32	37.30	37.67	
27	37.20	37.50	37.29	37.79	37.72	37.98	37.71	38.00	37.49	37.31	37.29	37.44	
28	37.34	37.44	37.28	37.83	37.67	37.87	37.67	37.92	37.47	37.31	37.32	37.48	
29	37.32	37.35	37.27	37.93	37.63	37.79	37.65	37.87	37.48	37.30		37.50	
30	37.27	37.31	37.28	38.59	37.60	37.75	37.66	38.22	37.47	37.29		37.51	
31		37.28		38.17	37.58		37.62		37.46	37.29		37.55	
Mean	37.24	37.32	37.42	37.71	37.79	37.89	38.12	38.27	37.71	37.36	37.36	37.36	
Max	37.34	37.62	38.07	38.69	38.29	38.85	39.40	39.88	38.89	37.45	37.67	37.71	39.88
Min	37.17	37.18	37.26	37.26	37.58	37.59	37.62	37.62	37.46	37.29	37.28	37.25	37.17
Annual Max Momentary Gage Height	40.72		m. (MSL.) ,				at 23.00 Hours , on Jul 10, 2021						
Zero Gage at Bottom Elevation		36.00		m. (MSL.) ,			River Bed 35.92		m. (MSL.)				
Left Bank Elevation		41.02		m. (MSL.) ,									
Right Bank Elevation		40.99		m. (MSL.) ,			Drainage Are 116		Square Kilometers				



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.57	0.87	0.87	0.97	19.00	4.50	7.50	4.50	41.15	2.50	1.00	1.30	
2	0.80	0.83	0.90	0.90	14.25	4.00	7.75	12.75	27.15	2.40	0.93	1.00	
3	0.67	0.83	1.40	0.87	14.25	3.90	6.00	6.25	19.50	2.30	1.20	0.97	
4	1.20	0.73	0.90	0.90	13.50	9.25	8.00	5.50	15.75	2.20	1.20	0.93	
5	0.80	0.70	2.40	0.90	12.25	5.75	7.50	10.50	13.25	2.20	1.20	0.90	
6	0.87	0.87	1.50	0.93	14.00	5.00	6.25	5.75	11.50	2.10	1.70	0.87	
7	0.80	1.70	1.20	1.10	21.25	6.25	24.70	5.00	10.00	2.10	1.10	0.83	
8	0.83	2.00	2.50	3.20	15.25	6.50	61.00	4.50	8.75	2.00	1.00	0.87	
9	0.80	0.93	7.50	3.90	11.75	39.75	56.60	6.00	7.75	1.90	0.97	0.93	
10	0.93	0.77	15.75	34.15	10.25	23.50	31.35	17.25	6.75	1.80	0.97	0.93	
11	0.73	0.83	7.75	26.10	9.00	23.00	25.75	17.00	6.25	1.80	0.93	0.93	
12	0.70	0.70	8.50	9.00	8.00	16.50	48.20	82.00	5.50	1.80	1.00	0.93	
13	0.67	0.67	3.50	5.25	7.00	13.25	31.70	84.00	5.00	1.70	1.20	0.97	
14	0.77	0.60	3.10	3.80	7.25	11.25	36.60	51.80	4.50	1.60	1.10	0.97	
15	0.93	0.63	2.80	3.30	6.25	10.00	34.15	41.15	4.00	1.60	3.00	0.97	
16	0.87	0.73	2.90	2.90	5.50	10.25	26.45	29.60	3.90	1.50	5.75	0.97	
17	0.70	0.97	2.40	2.60	5.25	7.75	21.25	24.00	3.70	1.50	3.20	1.00	
18	0.67	0.87	1.90	2.60	4.25	6.75	17.25	53.80	3.60	1.50	2.30	1.00	
19	0.70	0.87	1.60	2.80	4.00	6.00	14.50	32.40	3.40	1.40	2.60	1.00	
20	0.63	0.90	1.40	9.50	7.00	7.75	12.50	22.50	3.30	1.40	1.70	1.00	
21	0.63	1.10	1.70	20.50	5.75	8.25	11.00	19.25	3.20	1.40	1.50	1.00	
22	0.63	2.80	1.30	9.00	4.00	22.50	9.50	15.50	3.10	1.30	2.40	1.00	
23	0.63	3.60	1.10	5.75	3.80	16.25	8.50	25.05	3.00	1.30	2.90	2.90	
24	0.60	1.90	1.10	4.00	3.90	12.25	8.50	18.25	2.90	1.30	2.10	2.30	
25	0.93	4.50	1.30	15.00	5.25	12.00	8.00	26.10	2.90	1.20	1.30	6.75	
26	0.80	3.70	1.30	12.25	11.00	10.50	7.75	17.25	3.10	1.20	1.00	5.75	
27	0.67	3.00	0.97	8.75	7.00	13.50	6.75	14.00	2.90	1.10	0.97	2.40	
28	1.40	2.40	0.93	9.75	5.75	10.75	5.75	12.00	2.70	1.10	1.20	2.80	
29	1.20	1.50	0.90	12.25	4.75	8.75	5.25	10.75	2.80	1.00		3.00	
30	0.90	1.10	0.93	30.65	4.00	7.75	5.50	19.50	2.70	0.97		3.10	
31		0.93		18.25	3.80		4.50		2.60	0.97		3.50	
Total	24.03	44.53	82.30	261.82	268.25	343.40	566.00	693.90	236.60	50.14	47.42	53.77	2672.16 CMSDAY
Mean	0.80	1.44	2.74	8.45	8.65	11.45	18.26	23.13	7.63	1.62	1.69	1.73	7.32 CMS
Max	1.40	4.50	15.75	34.15	21.25	39.75	61.00	84.00	41.15	2.50	5.75	6.75	84.00 CMS
Min	0.57	0.60	0.87	0.87	3.80	3.90	4.50	4.50	2.60	0.97	0.93	0.83	0.57 CMS
Runoff	2.08	3.85	7.11	22.62	23.18	29.67	48.90	59.95	20.44	4.33	4.10	4.65	230.87 MCM
Momentary Peak	133.40 CMS. at 40.72 m. (MSL.) at 23.00 Hours , on Jul 10, 2021												
Runoff Yield	63.11	Liters/Second/Square KM.			Momentary Peak Yield			1150.00	Liters/Second/Square KM.				

WATER YEAR : 2021

PENINSULA - UPPER EAST COAST BASIN

Khlong Thadee at Ban Na Pa , Nakhon Si Thammarat (X.203)

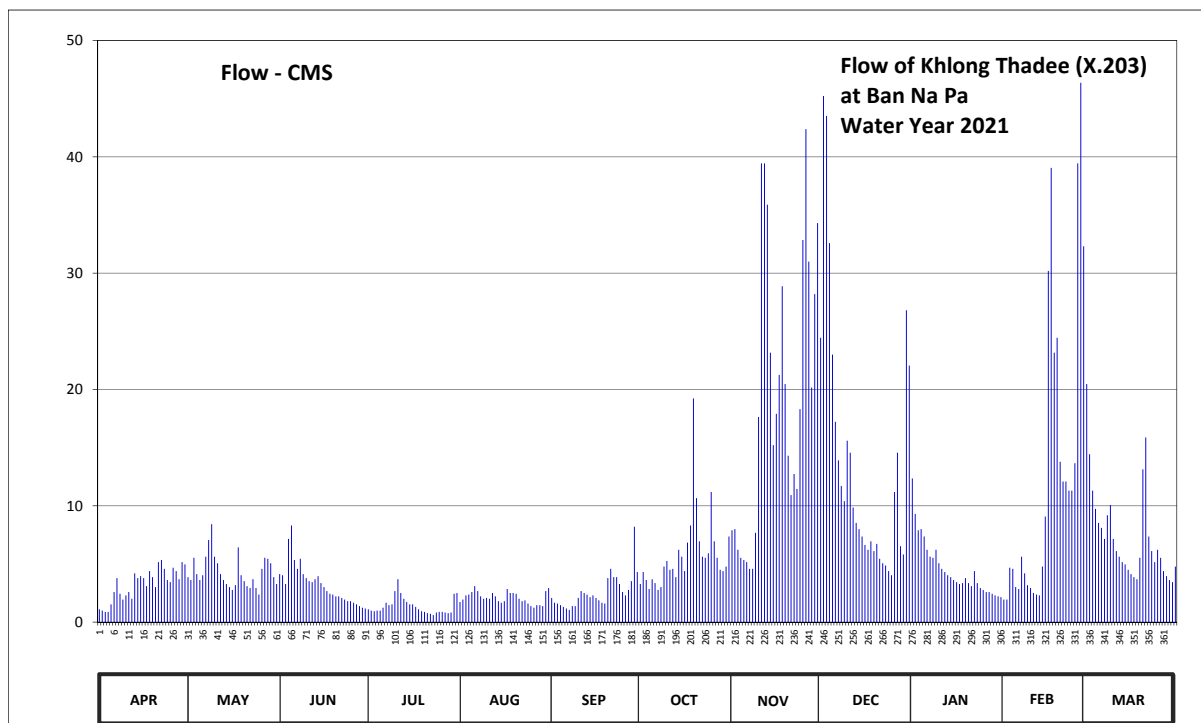
Lat 08 - 23 - 47 N Long 99 - 55 - 13 E

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	Overbank flow starts at elevation + 10.810 m.(MSL.), records are channel flow only.		
General Description	Records good. Stage-discharge relation defined by 17 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.00	8.36	8.39	8.00	8.09	8.14	8.29	8.77	9.99	9.15	8.12	9.74	
2	7.98	8.33	8.38	7.98	8.12	8.08	8.41	8.78	10.66	8.90	8.12	9.31	
3	7.96	8.54	8.29	7.97	8.17	8.07	8.33	8.61	10.63	8.77	8.45	9.07	
4	7.96	8.39	8.70	7.98	8.18	8.05	8.24	8.54	10.35	8.78	8.44	8.94	
5	8.06	8.33	8.81	7.98	8.21	8.03	8.34	8.52	9.90	8.72	8.26	8.83	
6	8.21	8.38	8.52	8.02	8.27	8.01	8.30	8.50	9.52	8.61	8.24	8.79	
7	8.35	8.55	8.44	8.08	8.22	7.99	8.23	8.44	9.27	8.55	8.55	8.70	
8	8.19	8.69	8.53	8.05	8.16	8.04	8.26	8.44	9.10	8.54	8.40	8.89	
9	8.12	8.82	8.39	8.06	8.13	8.04	8.46	8.75	9.00	8.61	8.28	8.97	
10	8.17	8.55	8.35	8.22	8.14	8.14	8.51	9.55	9.40	8.49	8.25	8.70	
11	8.21	8.49	8.32	8.34	8.13	8.22	8.43	10.54	9.32	8.44	8.20	8.60	
12	8.13	8.39	8.31	8.20	8.20	8.20	8.44	10.54	8.95	8.41	8.18	8.55	
13	8.40	8.33	8.34	8.13	8.16	8.18	8.36	10.45	8.83	8.38	8.17	8.50	
14	8.35	8.29	8.37	8.09	8.10	8.15	8.61	9.91	8.78	8.36	8.46	8.48	
15	8.37	8.26	8.30	8.06	8.08	8.17	8.55	9.37	8.72	8.33	8.88	8.43	
16	8.35	8.23	8.26	8.06	8.10	8.14	8.42	9.57	8.65	8.31	10.26	8.39	
17	8.27	8.28	8.22	8.03	8.24	8.11	8.67	9.79	8.61	8.29	10.53	8.36	
18	8.42	8.63	8.19	8.00	8.20	8.08	8.81	10.21	8.68	8.30	9.91	8.34	
19	8.36	8.38	8.18	7.97	8.20	8.07	9.66	9.74	8.60	8.35	9.99	8.54	
20	8.26	8.32	8.16	7.96	8.19	8.35	9.02	9.30	8.66	8.30	9.26	9.21	
21	8.50	8.27	8.16	7.94	8.13	8.44	8.68	9.04	8.53	8.27	9.13	9.42	
22	8.52	8.25	8.14	7.93	8.10	8.36	8.55	9.18	8.49	8.42	9.13	8.72	
23	8.44	8.34	8.12	7.91	8.11	8.36	8.54	9.08	8.47	8.30	9.07	8.60	
24	8.33	8.25	8.10	7.95	8.07	8.29	8.58	9.60	8.42	8.25	9.07	8.50	
25	8.31	8.18	8.10	7.96	8.04	8.21	9.06	10.36	8.38	8.23	9.25	8.61	
26	8.45	8.44	8.08	7.96	8.02	8.17	8.68	10.61	9.06	8.21	10.54	8.54	
27	8.42	8.54	8.06	7.95	8.05	8.23	8.54	10.29	9.32	8.21	10.68	8.42	
28	8.34	8.53	8.04	7.94	8.05	8.32	8.43	9.72	8.64	8.19	10.34	8.37	
29	8.50	8.49	8.02	7.95	8.04	8.80	8.42	10.29	8.57	8.17		8.33	
30	8.48	8.36	8.01	8.19	8.22	8.41	8.46	10.48	10.11	8.16		8.31	
31		8.29		8.20	8.25		8.72		9.84	8.15		8.46	
Mean	8.28	8.40	8.28	8.03	8.14	8.20	8.55	9.50	9.14	8.42	9.01	8.70	
Max	8.52	8.82	8.81	8.34	8.27	8.80	9.66	10.61	10.66	9.15	10.68	9.74	10.68
Min	7.96	8.18	8.01	7.91	8.02	7.99	8.23	8.44	8.38	8.15	8.12	8.31	7.91
Annual Max Momentary Gage Height	10.83		m. (MSL.) ,			at 21.00 Hours , on Nov 10, 2021							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed 7.27	m. (MSL.)						
Left Bank Elevation	11.23		m. (MSL.) ,										
Right Bank Elevation	10.80		m. (MSL.) ,			Drainage Are 131	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	1.10	3.86	4.12	1.10	1.73	2.08	3.27	7.89	24.44	12.35	1.94	20.47		
2	0.99	3.61	4.03	0.99	1.94	1.66	4.30	7.99	45.22	9.30	1.94	14.43		
3	0.88	5.53	3.27	0.94	2.29	1.59	3.61	6.21	43.51	7.89	4.68	11.31		
4	0.88	4.12	7.15	0.99	2.36	1.45	2.84	5.53	32.58	7.99	4.58	9.74		
5	1.52	3.61	8.31	0.99	2.59	1.31	3.69	5.34	23.00	7.36	3.01	8.53		
6	2.59	4.03	5.34	1.24	3.10	1.17	3.35	5.15	17.22	6.21	2.84	8.10		
7	3.78	5.63	4.58	1.66	2.67	1.05	2.76	4.58	13.91	5.63	5.63	7.15		
8	2.43	7.05	5.44	1.45	2.22	1.38	3.01	4.58	11.70	5.53	4.20	9.19		
9	1.94	8.42	4.12	1.52	2.01	1.38	4.77	7.68	10.40	6.21	3.18	10.07		
10	2.29	5.63	3.78	2.67	2.08	2.08	5.25	17.63	15.60	5.06	2.93	7.15		
11	2.59	5.06	3.52	3.69	2.01	2.67	4.49	39.43	14.56	4.58	2.50	6.10		
12	2.01	4.12	3.44	2.50	2.50	2.50	4.58	39.43	9.85	4.30	2.36	5.63		
13	4.20	3.61	3.69	2.01	2.22	2.36	3.86	35.88	8.53	4.03	2.29	5.15		
14	3.78	3.27	3.95	1.73	1.80	2.15	6.21	23.16	7.99	3.86	4.77	4.96		
15	3.95	3.01	3.35	1.52	1.66	2.29	5.63	15.21	7.36	3.61	9.08	4.49		
16	3.78	2.76	3.01	1.52	1.80	2.08	4.39	17.90	6.63	3.44	30.19	4.12		
17	3.10	3.18	2.67	1.31	2.84	1.87	6.84	21.25	6.21	3.27	39.04	3.86		
18	4.39	6.42	2.43	1.10	2.50	1.66	8.31	28.87	6.94	3.35	23.16	3.69		
19	3.86	4.03	2.36	0.94	2.50	1.59	19.23	20.47	6.10	3.78	24.44	5.53		
20	3.01	3.52	2.22	0.88	2.43	3.78	10.66	14.30	6.73	3.35	13.78	13.13		
21	5.15	3.10	2.22	0.77	2.01	4.58	6.94	10.92	5.44	3.10	12.09	15.87		
22	5.34	2.93	2.08	0.72	1.80	3.86	5.63	12.74	5.06	4.39	12.09	7.36		
23	4.58	3.69	1.94	0.61	1.87	3.86	5.53	11.44	4.87	3.35	11.31	6.10		
24	3.61	2.93	1.80	0.83	1.59	3.27	5.91	18.30	4.39	2.93	11.31	5.15		
25	3.44	2.36	1.80	0.88	1.38	2.59	11.18	32.84	4.03	2.76	13.65	6.21		
26	4.68	4.58	1.66	0.88	1.24	2.29	6.94	42.37	11.18	2.59	39.43	5.53		
27	4.39	5.53	1.52	0.83	1.45	2.76	5.53	30.99	14.56	2.59	46.36	4.39		
28	3.69	5.44	1.38	0.77	1.45	3.52	4.49	20.16	6.52	2.43	32.31	3.95		
29	5.15	5.06	1.24	0.83	1.38	8.20	4.39	28.20	5.82	2.29		3.61		
30	4.96	3.86	1.17	2.43	2.67	4.30	4.77	34.30	26.80	2.22		3.44		
31		3.27		2.50	2.93		7.36		22.04	2.15		4.77		
Total	98.06	133.22	97.59	42.80	65.02	77.33	179.72	570.74	429.19	141.90	365.09	229.18	2429.84	CMSDAY
Mean	3.27	4.30	3.25	1.38	2.10	2.58	5.80	19.02	13.84	4.58	13.04	7.39	6.66	CMS
Max	5.34	8.42	8.31	3.69	3.10	8.20	19.23	42.37	45.22	12.35	46.36	20.47	46.36	CMS
Min	0.88	2.36	1.17	0.61	1.24	1.05	2.76	4.58	4.03	2.15	1.94	3.44	0.61	CMS
Runoff	8.47	11.51	8.43	3.70	5.62	6.68	15.53	49.31	37.08	12.26	31.54	19.80	209.94	MCM
Momentary Peak	CMS. at 10.83 m. (MSL.) at 21.00 Hours , on Nov 10, 2021													
Runoff Yield	50.82	Liters/Second/Square KM.				Momentary Peak Yield		429.92	Liters/Second/Square KM.					

WATER YEAR : 2021

PENINSULA - UPPER EAST COAST BASIN

Lower Khlong Lang Suan at Thanon Luk Suea , Chumphon (X.212)

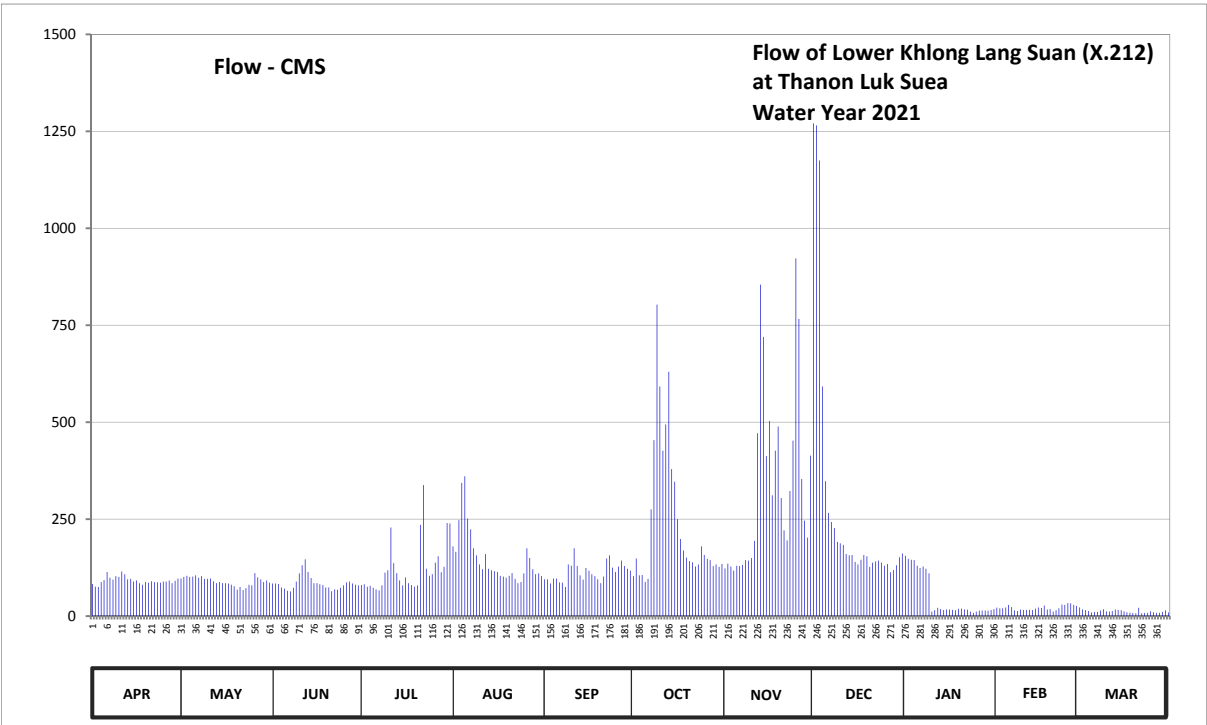
Lat 09 - 57 - 17 N Long 99 - 04 - 48 E

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	Overbank flow starts at elevation + 4.95 m.(MSL.), records are channel flow only.		
General Description	Records Very good. Stage-discharge relation defined by 17 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.13	0.27	0.14	0.10	1.04	0.25	0.33	0.53	6.68	0.83	0.64	0.65	
2	0.06	0.31	0.14	0.12	0.92	0.25	0.77	0.65	6.66	0.76	0.60	0.53	
3	0.05	0.34	0.13	0.06	1.58	0.14	0.35	0.58	6.30	0.74	0.60	0.49	
4	0.18	0.31	0.04	0.08	2.29	0.27	0.36	0.47	3.76	0.73	0.65	0.43	
5	0.23	0.32	0.01	0.03	2.41	0.27	0.18	0.60	2.32	0.60	0.80	0.31	
6	0.44	0.35	-0.05	-0.01	1.61	0.17	0.26	0.59	1.73	0.54	0.68	0.35	
7	0.29	0.29	-0.07	-0.04	1.39	0.16	1.80	0.62	1.54	0.58	0.47	0.35	
8	0.24	0.33	0.03	0.09	1.00	0.05	3.00	0.73	1.42	0.52	0.43	0.46	
9	0.33	0.26	0.19	0.42	0.84	0.63	4.77	0.72	1.13	0.40	0.52	0.54	
10	0.31	0.26	0.40	0.48	0.63	0.60	3.76	0.78	1.10	0.39	0.50	0.41	
11	0.45	0.27	0.61	1.43	0.51	1.00	2.83	1.15	1.07	0.48	0.49	0.39	
12	0.38	0.20	0.75	0.66	0.87	0.59	3.23	3.10	0.87	0.63	0.51	0.43	
13	0.25	0.15	0.44	0.41	0.52	0.35	3.95	5.00	0.84	0.55	0.49	0.52	
14	0.26	0.18	0.28	0.22	0.48	0.24	2.53	4.39	0.85	0.49	0.58	0.50	
15	0.19	0.15	0.15	0.09	0.46	0.54	2.31	2.74	0.69	0.53	0.65	0.48	
16	0.22	0.15	0.15	0.30	0.44	0.47	1.60	3.28	0.63	0.52	0.62	0.41	
17	0.15	0.14	0.12	0.15	0.34	0.38	1.19	2.06	0.74	0.50	0.76	0.33	
18	0.11	0.11	0.10	0.10	0.32	0.33	0.95	2.83	0.85	0.48	0.52	0.30	
19	0.18	0.07	0.04	0.06	0.29	0.25	0.79	3.20	0.82	0.57	0.55	0.26	
20	0.16	-0.02	0.04	0.09	0.34	0.15	0.71	2.01	0.57	0.58	0.38	0.25	
21	0.20	0.05	-0.06	1.48	0.41	0.32	0.68	1.37	0.67	0.53	0.48	0.63	
22	0.18	-0.03	-0.01	2.25	0.26	0.77	0.58	1.16	0.70	0.51	0.60	0.24	
23	0.17	0.02	-0.02	0.52	0.15	0.84	0.63	2.14	0.72	0.38	0.81	0.27	
24	0.16	0.11	0.03	0.34	0.18	0.55	1.04	2.99	0.67	0.28	0.80	0.29	
25	0.19	0.09	0.09	0.38	0.40	0.44	0.85	5.29	0.60	0.39	0.87	0.41	
26	0.19	0.41	0.17	0.67	1.00	0.58	0.76	4.60	0.64	0.45	0.86	0.33	
27	0.22	0.30	0.19	0.82	0.78	0.72	0.73	2.36	0.43	0.46	0.80	0.27	
28	0.15	0.25	0.14	0.43	0.51	0.59	0.59	1.57	0.49	0.46	0.74	0.29	
29	0.21	0.18	0.11	0.57	0.38	0.52	0.63	1.22	0.61	0.45		0.35	
30	0.27	0.22	0.09	1.52	0.40	0.47	0.57	2.75	0.80	0.49		0.47	
31		0.16		1.51	0.33		0.64		0.88	0.55		0.31	
Mean	0.22	0.20	0.15	0.49	0.74	0.43	1.40	2.05	1.54	0.53	0.62	0.40	
Max	0.45	0.41	0.75	2.25	2.41	1.00	4.77	5.29	6.68	0.83	0.87	0.65	6.68
Min	0.05	-0.03	-0.07	-0.04	0.15	0.05	0.18	0.47	0.43	0.28	0.38	0.24	-0.07
Annual Max Momentary Gage Height	7.13		m. (MSL.) ,				at 19.00 Hours ,	on Dec 1, 2021					
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,				River Bed -3.11	m. (MSL.)					
Left Bank Elevation	6.00		m. (MSL.) ,										
Right Bank Elevation	4.94		m. (MSL.) ,				Drainage Are 1,407	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	83.00	97.00	84.00	80.00	180.00	95.00	103.00	123.00	1270.80	155.45	21.80	22.25		
2	76.00	101.00	84.00	82.00	165.80	95.00	148.70	135.50	1265.60	147.60	20.00	17.20		
3	75.00	104.00	83.00	76.00	247.50	84.00	105.00	128.00	1175.00	145.40	20.00	15.60		
4	88.00	101.00	74.00	78.00	343.60	97.00	106.00	117.00	592.20	144.30	22.25	13.20		
5	93.00	102.00	71.00	73.00	360.55	97.00	88.00	130.00	347.80	130.00	29.00	9.30		
6	114.00	105.00	65.25	69.05	251.25	87.00	96.00	129.00	266.25	124.00	23.60	10.50		
7	99.00	99.00	63.35	66.20	223.75	86.00	275.00	132.20	242.50	128.00	14.80	10.50		
8	94.00	103.00	73.00	79.00	175.00	75.00	454.00	144.30	227.50	122.00	13.20	14.40		
9	103.00	96.00	89.00	112.00	156.60	133.30	803.40	143.20	191.25	110.00	16.80	17.60		
10	101.00	96.00	110.00	118.00	133.30	130.00	592.20	149.80	187.50	11.70	16.00	12.40		
11	115.00	97.00	131.10	228.75	121.00	175.00	426.80	193.75	183.75	15.20	15.60	11.70		
12	108.00	90.00	146.50	136.60	160.05	129.00	494.25	471.50	160.05	21.35	16.40	13.20		
13	95.00	85.00	114.00	111.00	122.00	105.00	630.00	855.00	156.60	18.00	15.60	16.80		
14	96.00	88.00	98.00	92.00	118.00	94.00	379.15	719.90	157.75	15.60	19.20	16.00		
15	89.00	85.00	85.00	79.00	116.00	124.00	346.40	412.40	139.90	17.20	22.25	15.20		
16	92.00	85.00	85.00	100.00	114.00	117.00	250.00	503.00	133.30	16.80	20.90	12.40		
17	85.00	84.00	82.00	85.00	104.00	108.00	198.75	311.40	145.40	16.00	27.20	9.90		
18	81.00	81.00	80.00	80.00	102.00	103.00	169.25	426.80	157.75	15.20	16.80	9.00		
19	88.00	77.00	74.00	76.00	99.00	95.00	150.90	489.00	154.30	18.80	18.00	7.80		
20	86.00	68.10	74.00	79.00	104.00	85.00	142.10	304.40	127.00	19.20	11.40	7.50		
21	90.00	75.00	64.30	235.00	111.00	102.00	138.80	221.25	137.70	17.20	15.20	21.35		
22	88.00	67.15	69.05	338.00	96.00	148.70	128.00	195.00	141.00	16.40	20.00	7.20		
23	87.00	72.00	68.10	122.00	85.00	156.60	133.30	322.60	143.20	11.40	29.65	8.10		
24	86.00	81.00	73.00	104.00	88.00	125.00	180.00	452.40	137.70	8.40	29.00	8.70		
25	89.00	79.00	79.00	108.00	110.00	114.00	157.75	922.50	130.00	11.70	33.55	12.40		
26	89.00	111.00	87.00	137.70	175.00	128.00	147.60	766.00	134.40	14.00	32.90	9.90		
27	92.00	100.00	89.00	154.30	149.80	143.20	144.30	353.40	113.00	14.40	29.00	8.10		
28	85.00	95.00	84.00	113.00	121.00	129.00	129.00	246.25	119.00	14.40	26.30	8.70		
29	91.00	88.00	81.00	127.00	108.00	122.00	133.30	202.50	131.10	14.00		10.50		
30	97.00	92.00	79.00	240.00	110.00	117.00	127.00	414.00	152.00	15.60		14.80		
31		86.00		238.75	103.00		134.40		161.20	18.00		9.30		
Total	2755.00	2790.25	2539.65	3818.35	4654.20	3399.80	7512.35	10115.05	8782.50	1547.30	596.40	381.50	48892.35	CMSDAY
Mean	91.83	90.01	84.65	123.17	150.14	113.33	242.33	337.17	283.31	49.91	21.30	12.31	133.95	CMS
Max	115.00	111.00	146.50	338.00	360.55	175.00	803.40	922.50	1270.80	155.45	33.55	22.25	1270.80	CMS
Min	75.00	67.15	63.35	66.20	85.00	75.00	88.00	117.00	113.00	8.40	11.40	7.20	7.20	CMS
Runoff	238.03	241.08	219.43	329.91	402.12	293.74	649.07	873.94	758.81	133.69	51.53	32.96	4224.30	MCM
Momentary Peak	1395.88 CMS. at 7.13 m. (MSL.) at 19.00 Hours , on Dec 1, 2021													
Runoff Yield	95.20	Liters/Second/Square KM.			Momentary Peak Yield			992.10	Liters/Second/Square KM.					

WATER YEAR : 2021

PENINSULA - UPPER EAST COAST BASIN

Upper Khlong Lang Suan at Ban Photo , Chumphon (X.213)

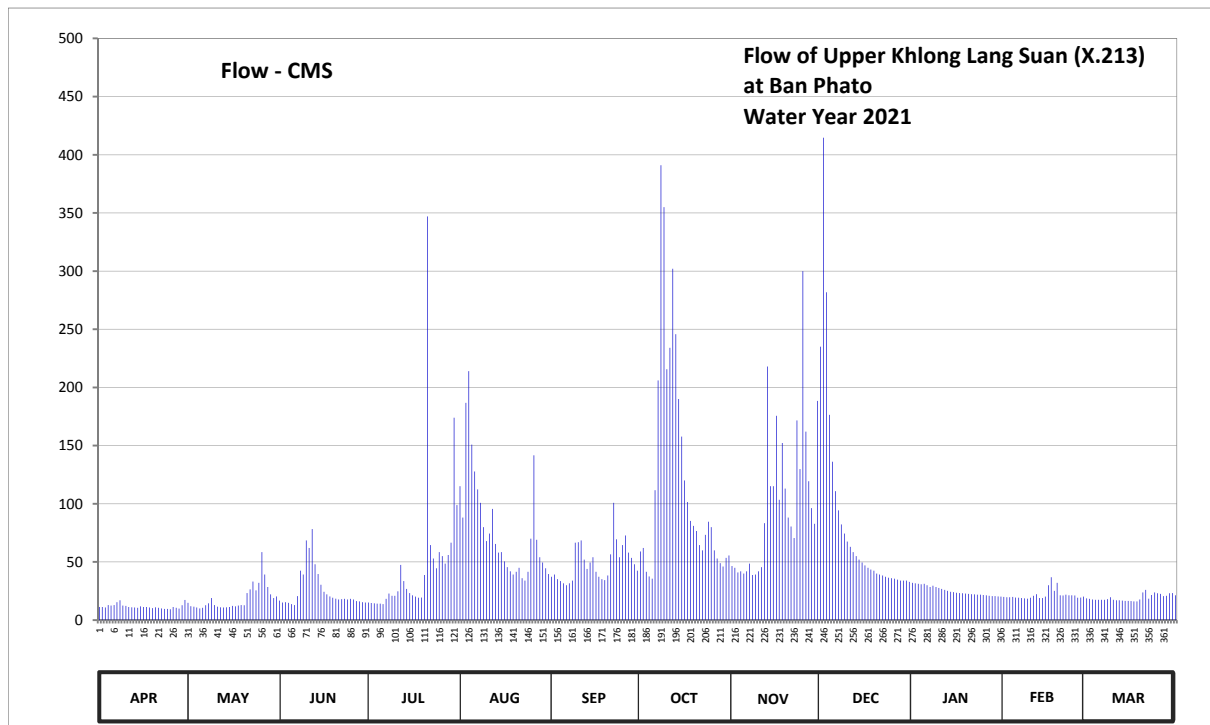
Lat 09 - 47 - 01 N Long 98 - 46 - 40 E

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	Overbank flow starts at elevation + 48.010 m.(MSL.), records are channel flow only.		
General Description	Records fair. Stage-discharge relation defined by 13 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	42.47	42.62	42.70	42.63	44.73	43.33	43.78	43.53	46.30	43.20	42.83	42.78		
2	42.47	42.50	42.63	42.61	44.32	43.38	43.84	43.50	48.11	43.19	42.82	42.76		
3	42.45	42.48	42.64	42.60	45.71	43.28	43.43	43.42	46.82	43.18	42.82	42.74		
4	42.54	42.45	42.62	42.59	46.05	43.24	43.34	43.44	45.58	43.17	42.83	42.73		
5	42.52	42.42	42.57	42.59	45.24	43.19	43.29	43.40	45.03	43.18	42.81	42.73		
6	42.54	42.44	42.54	42.57	44.91	43.15	44.68	43.44	44.67	43.15	42.80	42.73		
7	42.64	42.53	42.86	42.76	44.69	43.19	45.95	43.57	44.42	43.11	42.79	42.73		
8	42.71	42.60	43.45	42.95	44.52	43.25	47.90	43.37	44.22	43.14	42.78	42.75		
9	42.52	42.79	43.38	42.87	44.18	43.93	47.57	43.38	44.08	43.11	42.77	42.82		
10	42.51	42.54	43.97	42.87	43.96	43.94	46.07	43.44	43.95	43.09	42.80	42.73		
11	42.47	42.48	43.84	43.02	44.08	43.97	46.29	43.51	43.86	43.07	42.87	42.71		
12	42.46	42.46	44.15	43.55	44.44	43.64	47.04	44.24	43.77	43.05	42.93	42.71		
13	42.45	42.45	43.56	43.24	43.91	43.48	46.42	46.10	43.70	43.03	42.79	42.70		
14	42.44	42.46	43.39	43.07	43.76	43.59	45.75	44.73	43.64	43.01	42.79	42.69		
15	42.49	42.47	43.16	42.97	43.77	43.68	45.34	44.73	43.59	43.00	42.84	42.69		
16	42.47	42.51	43.01	42.89	43.61	43.43	44.80	45.57	43.54	42.98	43.15	42.68		
17	42.47	42.49	42.92	42.84	43.51	43.33	44.53	44.56	43.50	42.97	43.32	42.67		
18	42.45	42.52	42.85	42.80	43.44	43.28	44.27	45.26	43.47	42.96	43.03	42.67		
19	42.43	42.54	42.80	42.81	43.38	43.26	44.20	44.70	43.45	42.95	43.20	42.74		
20	42.46	42.53	42.77	43.37	43.43	43.36	44.12	44.32	43.40	42.94	42.89	42.99		
21	42.44	42.97	42.74	47.49	43.50	43.73	43.89	44.19	43.38	42.93	42.88	43.05		
22	42.42	43.06	42.75	43.89	43.30	44.52	43.80	44.01	43.36	42.92	42.91	42.77		
23	42.40	43.23	42.76	43.66	43.25	43.99	44.06	45.52	43.33	42.91	42.89	42.90		
24	42.40	43.04	42.74	43.49	43.43	43.68	44.26	44.94	43.31	42.91	42.89	42.99		
25	42.39	43.20	42.76	43.77	44.00	43.89	44.18	47.02	43.30	42.90	42.88	42.96		
26	42.47	43.77	42.74	43.70	45.11	44.05	43.80	45.40	43.29	42.89	42.80	42.94		
27	42.44	43.38	42.68	43.57	43.98	43.76	43.66	44.79	43.27	42.87	42.81	42.86		
28	42.41	43.11	42.67	43.72	43.68	43.67	43.58	44.45	43.25	42.86	42.84	42.87		
29	42.53	42.92	42.64	43.93	43.59	43.56	43.52	44.23	43.25	42.86		42.96		
30	42.72	42.79	42.63	45.55	43.49	43.45	43.67	45.73	43.25	42.85		42.97		
31		42.85		44.49	43.39		43.71		43.22	42.84		42.89		
Mean	42.49	42.73	42.96	43.38	44.08	43.57	44.67	44.42	44.04	43.01	42.88	42.80		
Max	42.72	43.77	44.15	47.49	46.05	44.52	47.90	47.02	48.11	43.20	43.32	43.05	48.11	
Min	42.39	42.42	42.54	42.57	43.25	43.15	43.29	43.37	43.22	42.84	42.77	42.67	42.39	
Annual Max Momentary Gage Height	49.06	m. (MSL.) , at 11.00 Hours , on Oct 8, 2021												
Zero Gage at Bottom Elevation	40.00		m. (MSL.) ,		River Bed		39.30	m. (MSL.)						
Left Bank Elevation	49.97		m. (MSL.) ,											
Right Bank Elevation	48.00		m. (MSL.) ,		Drainage Are		712	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	11.28	14.88	16.80	15.12	115.10	37.20	59.00	46.50	235.00	32.00	19.92	18.72		
2	11.28	12.00	15.12	14.64	88.20	39.20	62.00	45.00	414.65	31.60	19.68	18.24		
3	10.80	11.52	15.36	14.40	186.80	35.20	41.50	41.00	281.80	31.20	19.68	17.76		
4	12.96	10.80	14.88	14.16	214.00	33.60	37.60	42.00	176.40	30.80	19.92	17.52		
5	12.48	10.08	13.68	14.16	150.80	31.60	35.60	40.00	136.10	31.20	19.44	17.52		
6	12.96	10.56	12.96	13.68	127.70	30.00	111.60	42.00	110.90	30.00	19.20	17.52		
7	15.36	12.72	20.64	18.24	112.30	31.60	206.00	48.50	94.30	28.40	18.96	17.52		
8	17.04	14.40	42.50	22.80	100.80	34.00	391.00	38.80	82.20	29.60	18.72	18.00		
9	12.48	18.96	39.20	20.88	79.90	66.50	355.00	39.20	74.40	28.40	18.48	19.68		
10	12.24	12.96	68.50	20.88	68.00	67.00	215.60	42.00	67.50	27.60	19.20	17.52		
11	11.28	11.52	62.00	24.80	74.40	68.50	234.10	45.50	63.00	26.80	20.88	17.04		
12	11.04	11.04	78.25	47.50	95.60	52.00	302.00	83.40	58.50	26.00	22.32	17.04		
13	10.80	10.80	48.00	33.60	65.50	44.00	245.80	218.00	55.00	25.20	18.96	16.80		
14	10.56	11.04	39.60	26.80	58.00	49.50	190.00	115.10	52.00	24.40	18.96	16.56		
15	11.76	11.28	30.40	23.28	58.50	54.00	157.80	115.10	49.50	24.00	20.16	16.56		
16	11.28	12.24	24.40	21.36	50.50	41.50	120.00	175.60	47.00	23.52	30.00	16.32		
17	11.28	11.76	22.08	20.16	45.50	37.20	101.45	103.40	45.00	23.28	36.80	16.08		
18	10.80	12.48	20.40	19.20	42.00	35.20	85.20	152.20	43.50	23.04	25.20	16.08		
19	10.32	12.96	19.20	19.44	39.20	34.40	81.00	113.00	42.50	22.80	32.00	17.76		
20	11.04	12.72	18.48	38.80	41.50	38.40	76.60	88.20	40.00	22.56	21.36	23.76		
21	10.56	23.28	17.76	347.00	45.00	56.50	64.50	80.45	39.20	22.32	21.12	26.00		
22	10.08	26.40	18.00	64.50	36.00	100.80	60.00	70.55	38.40	22.08	21.84	18.48		
23	9.60	33.20	18.24	53.00	34.00	69.50	73.30	171.60	37.20	21.84	21.36	21.60		
24	9.60	25.60	17.76	44.50	41.50	54.00	84.60	129.80	36.40	21.84	21.36	23.76		
25	9.36	32.00	18.24	58.50	70.00	64.50	79.90	300.00	36.00	21.60	21.12	23.04		
26	11.28	58.50	17.76	55.00	141.70	72.75	60.00	162.00	35.60	21.36	19.20	22.56		
27	10.56	39.20	16.32	48.50	69.00	58.00	53.00	119.30	34.80	20.88	19.44	20.64		
28	9.84	28.40	16.08	56.00	54.00	53.50	49.00	96.25	34.00	20.64	20.16	20.88		
29	12.72	22.08	15.36	66.50	49.50	48.00	46.00	82.80	34.00	20.64		23.04		
30	17.28	18.96	15.12	174.00	44.50	42.50	53.50	188.40	34.00	20.40		23.28		
31		20.40		98.85	39.60		55.50		32.80	20.16		21.36		
Total	349.92	574.74	793.09	1510.25	2439.10	1480.65	3788.15	3035.65	2561.65	776.16	605.44	598.64	18513.44	CMSDAY
Mean	11.66	18.54	26.44	48.72	78.68	49.36	122.20	101.19	82.63	25.04	21.62	19.31	50.72	CMS
Max	17.28	58.50	78.25	347.00	214.00	100.80	391.00	300.00	414.65	32.00	36.80	26.00	414.65	CMS
Min	9.36	10.08	12.96	13.68	34.00	30.00	35.60	38.80	32.80	20.16	18.48	16.08	9.36	CMS
Runoff	30.23	49.66	68.52	130.49	210.74	127.93	327.30	262.28	221.33	67.06	52.31	51.72	1599.56	MCM
Momentary Peak	531.10	CMS. at 49.06 m. (MSL.) at 11:00 Hours , on Oct 8, 2021												
Runoff Yield	71.24	Liters/Second/Square KM.					Momentary Peak Yield	745.93	Liters/Second/Square KM.					

WATER YEAR : 2021

PENINSULA - UPPER EAST COAST BASIN

Tapi River at Ban Khian Sa , Surat Thani (X.217)

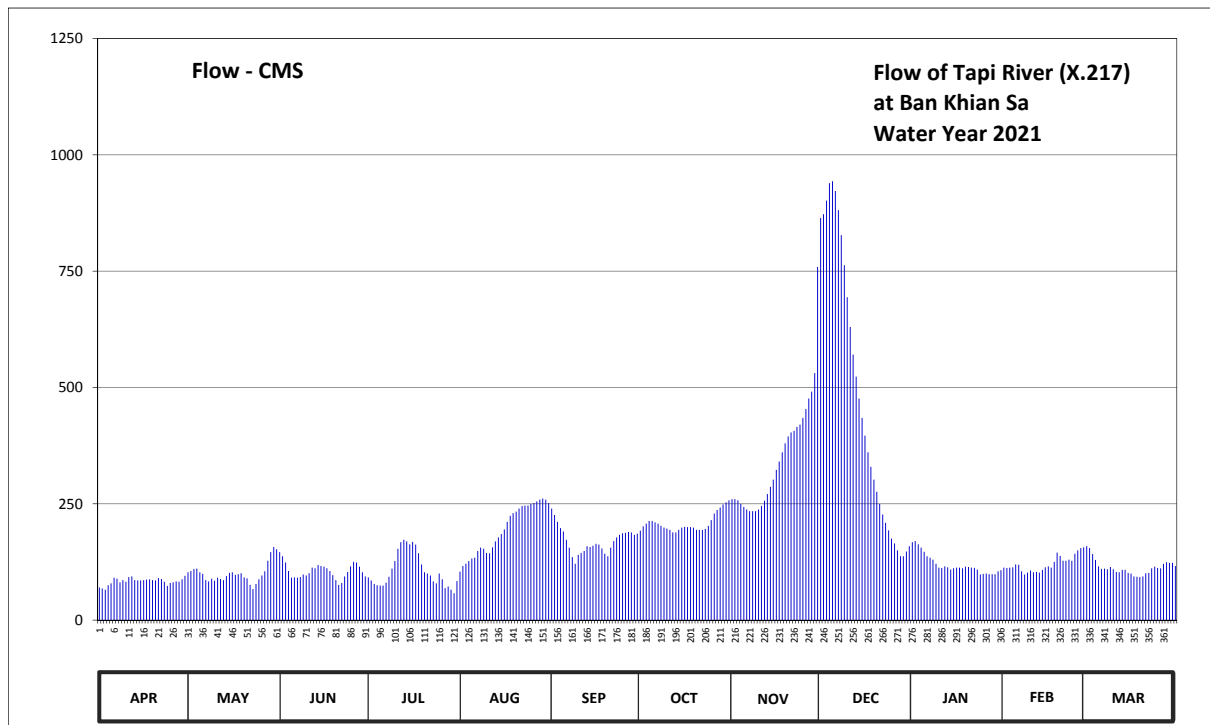
Lat 08 - 50 - 51 N Long 99 - 11 - 56 E

Location : on left bank at Ban Khian Sa.

	Ban Khian Sa	Amphoe Khian Sa	Changwat Surat Thani
Drainage 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	Stable because of backwater effect.		
Overbank Flow Conditions	Overbank flow starts at elevation + 3.720 m.(MSL.), records are channel flow only.		
General Description	Records fair. Stage-discharge relation defined by 13 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.20	0.67	1.25	0.51	0.69	2.27	1.79	2.45	5.01	1.51	0.81	1.41	
2	0.17	0.71	1.14	0.42	0.86	2.14	1.89	2.45	5.03	1.54	0.80	1.36	
3	0.13	0.77	0.97	0.31	0.93	1.99	1.95	2.43	5.10	1.46	0.81	1.20	
4	0.27	0.78	0.71	0.27	1.01	1.85	2.01	2.36	5.19	1.37	0.82	1.04	
5	0.33	0.67	0.50	0.26	1.08	1.77	2.01	2.30	5.20	1.26	0.91	0.85	
6	0.50	0.62	0.51	0.26	1.10	1.57	1.98	2.25	5.15	1.14	0.90	0.77	
7	0.47	0.43	0.50	0.35	1.28	1.37	1.95	2.22	5.05	1.10	0.70	0.78	
8	0.36	0.39	0.52	0.53	1.37	1.12	1.90	2.22	4.92	1.05	0.60	0.76	
9	0.43	0.47	0.60	0.78	1.34	0.93	1.86	2.22	4.76	0.93	0.66	0.83	
10	0.38	0.41	0.57	1.01	1.23	1.18	1.84	2.25	4.58	0.81	0.72	0.76	
11	0.52	0.50	0.64	1.34	1.22	1.23	1.81	2.32	4.40	0.80	0.67	0.68	
12	0.54	0.46	0.81	1.51	1.38	1.28	1.75	2.42	4.22	0.85	0.68	0.67	
13	0.43	0.43	0.79	1.57	1.53	1.41	1.75	2.54	4.04	0.82	0.66	0.74	
14	0.42	0.55	0.89	1.53	1.63	1.39	1.81	2.67	3.85	0.75	0.74	0.74	
15	0.42	0.65	0.86	1.46	1.71	1.42	1.86	2.80	3.66	0.79	0.82	0.65	
16	0.43	0.67	0.84	1.52	1.82	1.47	1.88	2.96	3.45	0.81	0.85	0.63	
17	0.44	0.59	0.79	1.45	1.99	1.45	1.87	3.09	3.23	0.81	0.81	0.54	
18	0.45	0.61	0.71	1.22	2.12	1.35	1.87	3.23	3.01	0.79	0.99	0.53	
19	0.43	0.64	0.58	0.91	2.18	1.21	1.86	3.35	2.80	0.84	1.24	0.52	
20	0.42	0.51	0.43	0.67	2.21	1.14	1.81	3.44	2.58	0.83	1.15	0.54	
21	0.49	0.48	0.28	0.63	2.27	1.37	1.81	3.49	2.36	0.81	1.02	0.64	
22	0.46	0.28	0.34	0.57	2.32	1.54	1.81	3.51	2.15	0.80	1.02	0.65	
23	0.38	0.15	0.54	0.39	2.33	1.63	1.83	3.56	1.97	0.75	1.05	0.79	
24	0.25	0.31	0.68	0.33	2.33	1.69	1.90	3.59	1.80	0.60	1.02	0.84	
25	0.34	0.45	0.85	0.63	2.36	1.73	2.03	3.66	1.60	0.62	1.21	0.80	
26	0.36	0.57	0.99	0.45	2.38	1.74	2.17	3.75	1.48	0.63	1.30	0.79	
27	0.39	0.70	0.97	0.18	2.41	1.76	2.24	3.85	1.30	0.61	1.36	0.93	
28	0.38	1.02	0.84	0.23	2.44	1.75	2.29	3.91	1.14	0.61	1.38	0.98	
29	0.45	1.25	0.67	0.13	2.46	1.69	2.35	4.07	1.14	0.61		0.96	
30	0.56	1.39	0.54	0.01	2.44	1.72	2.39	4.75	1.27	0.70		0.96	
31		1.33		0.40	2.38		2.43		1.41	0.73		0.86	
Mean	0.39	0.63	0.71	0.70	1.77	1.54	1.96	3.00	3.32	0.89	0.92	0.81	
Max	0.56	1.39	1.25	1.57	2.46	2.27	2.43	4.75	5.20	1.54	1.38	1.41	5.20
Min	0.13	0.15	0.28	0.01	0.69	0.93	1.75	2.22	1.14	0.60	0.60	0.52	0.01
Annual Max Momentary Gage Height	5.21		m. (MSL.) ,			at 21.00 Hours , on Dec 4, 2021							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed -9.06	m. (MSL.)						
Left Bank Elevation	3.71		m. (MSL.) ,										
Right Bank Elevation	4.03		m. (MSL.) ,			Drainage Are 6,752	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	70.00	102.90	146.00	91.70	104.30	239.70	192.10	260.00	864.15	167.35	112.70	158.85		
2	68.05	105.70	137.20	85.40	116.20	226.00	201.55	260.00	872.45	169.90	112.00	154.80		
3	65.45	109.90	123.90	77.70	121.10	211.05	207.25	257.60	901.50	163.10	112.70	142.00		
4	74.90	110.60	105.70	74.90	126.80	197.75	213.00	249.60	938.85	155.60	113.40	129.20		
5	79.10	102.90	91.00	74.20	132.40	190.30	213.00	243.00	943.00	146.80	119.70	115.50		
6	91.00	99.40	91.70	74.20	134.00	172.45	210.10	237.50	922.25	137.20	119.00	109.90		
7	88.90	86.10	91.00	80.50	148.40	155.60	207.25	234.20	880.75	134.00	105.00	110.60		
8	81.20	83.30	92.40	93.10	155.60	135.60	202.50	234.20	827.20	130.00	98.00	109.20		
9	86.10	88.90	98.00	110.60	153.20	121.10	198.70	234.20	762.60	121.10	102.20	114.10		
10	82.60	84.70	95.90	126.80	144.40	140.40	196.80	237.50	693.90	112.70	106.40	109.20		
11	92.40	91.00	100.80	153.20	143.60	144.40	193.95	245.20	630.00	112.00	102.90	103.60		
12	93.80	88.20	112.70	167.35	156.40	148.40	188.50	256.40	570.60	115.50	103.60	102.90		
13	86.10	86.10	111.30	172.45	169.05	158.85	188.50	270.80	523.20	113.40	102.20	107.80		
14	85.40	94.50	118.30	169.05	177.70	157.20	193.95	286.40	476.25	108.50	107.80	107.80		
15	85.40	101.50	116.20	163.10	184.90	159.70	198.70	302.00	434.60	111.30	113.40	101.50		
16	86.10	102.90	114.80	168.20	194.90	163.95	200.60	322.80	396.50	112.70	115.50	100.10		
17	86.80	97.30	111.30	162.25	211.05	162.25	199.65	340.60	360.80	112.70	112.70	93.80		
18	87.50	98.70	105.70	143.60	224.00	154.00	199.65	360.80	329.40	111.30	125.30	93.10		
19	86.10	100.80	96.60	119.70	230.00	142.80	198.70	380.00	302.00	114.80	145.20	92.40		
20	85.40	91.70	86.10	102.90	233.10	137.20	193.95	394.80	275.60	114.10	138.00	93.80		
21	90.30	89.60	75.60	100.10	239.70	155.60	193.95	403.30	249.60	112.70	127.60	100.80		
22	88.20	75.60	79.80	95.90	245.20	169.90	193.95	406.70	227.00	112.00	127.60	101.50		
23	82.60	66.75	93.80	83.30	246.30	177.70	195.85	415.20	209.15	108.50	130.00	111.30		
24	73.50	77.70	103.60	79.10	246.30	183.10	202.50	420.30	193.00	98.00	127.60	114.80		
25	79.80	87.50	115.50	100.10	249.60	186.70	215.00	434.60	175.00	99.40	142.80	112.00		
26	81.20	95.90	125.30	87.50	251.80	187.60	229.00	453.50	164.80	100.10	150.00	111.30		
27	83.30	105.00	123.90	68.70	255.20	189.40	236.40	476.25	150.00	98.70	154.80	121.10		
28	82.60	127.60	114.80	72.10	258.80	188.50	241.90	490.95	137.20	98.70	156.40	124.60		
29	87.50	146.00	102.90	65.45	261.20	183.10	248.50	530.85	137.20	98.70		123.20		
30	95.20	157.20	93.80	57.65	258.80	185.80	252.90	758.75	147.60	105.00		123.20		
31		152.40		84.00	251.80		257.60		158.85	107.10		116.20		
Total	2506.50	3108.35	3175.60	3304.80	6025.80	5126.10	6465.95	10398.00	14855.00	3702.95	3384.50	3510.15	65563.70	CMSDAY
Mean	83.55	100.27	105.85	106.61	194.38	170.87	208.58	346.60	479.19	119.45	120.88	113.23	179.63	CMS
Max	95.20	157.20	146.00	172.45	261.20	239.70	257.60	758.75	943.00	169.90	156.40	158.85	943.00	CMS
Min	65.45	66.75	75.60	57.65	104.30	121.10	188.50	234.20	137.20	98.00	98.00	92.40	57.65	CMS
Runoff	216.56	268.56	274.37	285.53	520.63	442.90	558.66	898.39	1283.47	319.93	292.42	303.28	5664.70	MCM
Momentary Peak	947.85	CMS.	at 5.21 m. (MSL.) at 21.00 Hours , on Dec 4, 2021											
Runoff Yield	26.60	Liters/Second/Square KM.				Momentary Peak Yield		140.38	Liters/Second/Square KM.					

WATER YEAR : 2021**PENINSULA - UPPER EAST COAST BASIN****Tapi River at Ban Khuan Klang (1) , Nakhon Si Thammarat (X.243)**

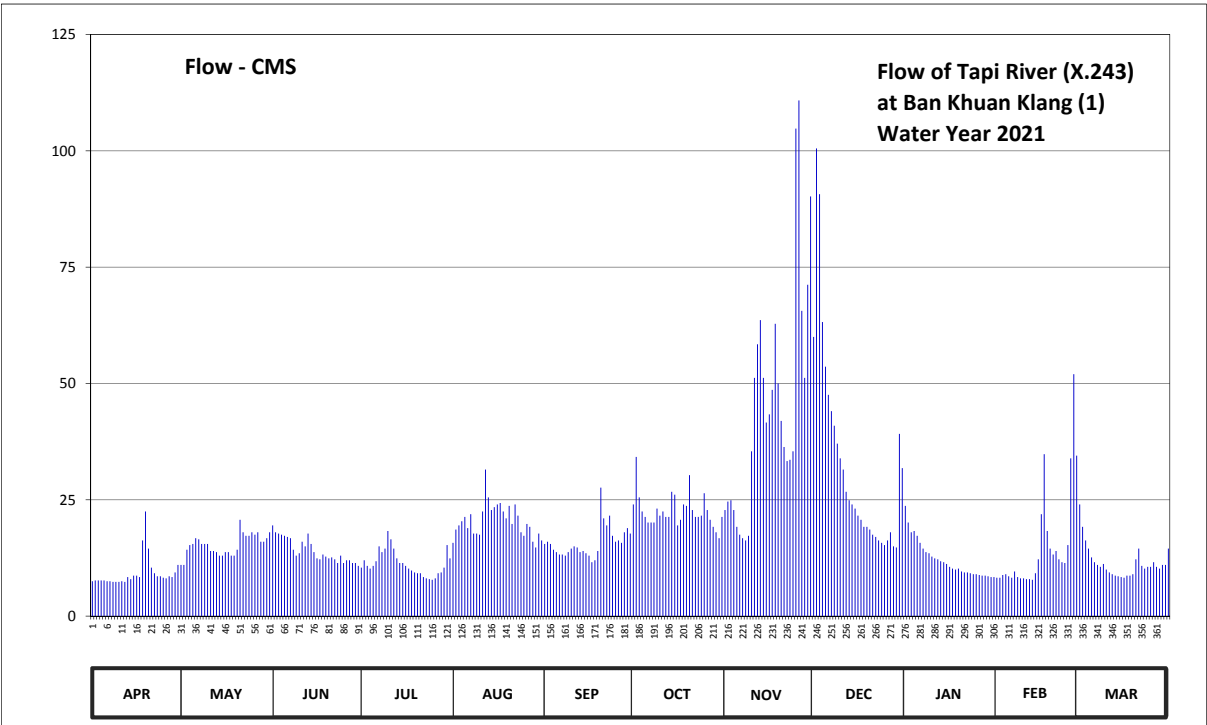
Lat 08 - 33 - 35 N Long 99 - 32 - 11 E

Location : on left bank at Ban Khuan Klang (1).

	Ban	Khuan Klang (1)	Amphoe	Phi Pun	Changwat	Nakhon Si Thammarat
Drainage 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	- 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	Overbank flow starts at elevation + 43.590 m.(MSL.), records are channel flow only.					
General Description	Records very good. Stage-discharge relation defined by 20 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	39.50	39.70	40.05	39.67	39.91	39.90	40.20	40.16	41.25	40.19	39.55	40.20	
2	39.51	39.70	40.00	39.75	40.02	39.92	40.54	40.22	42.17	40.07	39.55	40.04	
3	39.51	39.85	39.99	39.69	40.05	39.90	40.25	40.23	41.97	40.00	39.59	39.93	
4	39.51	39.89	39.98	39.66	40.08	39.85	40.15	40.16	41.33	40.01	39.60	39.86	
5	39.51	39.90	39.97	39.69	40.11	39.83	40.11	40.04	41.09	39.97	39.57	39.78	
6	39.50	39.95	39.96	39.74	40.03	39.81	40.07	39.98	40.93	39.91	39.55	39.73	
7	39.50	39.94	39.95	39.88	40.13	39.81	40.07	39.95	40.83	39.86	39.63	39.70	
8	39.49	39.90	39.85	39.83	39.99	39.80	40.07	39.93	40.74	39.83	39.56	39.68	
9	39.49	39.90	39.80	39.86	39.99	39.83	40.17	39.97	40.63	39.82	39.54	39.71	
10	39.49	39.90	39.82	40.01	39.98	39.86	40.12	40.58	40.53	39.79	39.54	39.65	
11	39.50	39.84	39.92	39.94	40.15	39.88	40.15	41.03	40.45	39.77	39.53	39.62	
12	39.49	39.84	39.88	39.86	40.45	39.87	40.11	41.21	40.29	39.76	39.53	39.60	
13	39.56	39.83	39.99	39.77	40.25	39.83	40.11	41.34	40.23	39.74	39.52	39.58	
14	39.53	39.80	39.90	39.72	40.16	39.84	40.29	41.03	40.20	39.73	39.61	39.57	
15	39.58	39.80	39.83	39.72	40.18	39.82	40.27	40.76	40.17	39.71	39.76	39.56	
16	39.58	39.83	39.77	39.69	40.20	39.80	40.05	40.81	40.12	39.68	40.13	39.55	
17	39.56	39.83	39.76	39.66	40.21	39.73	40.09	40.96	40.09	39.66	40.56	39.58	
18	39.93	39.80	39.81	39.64	40.15	39.75	40.20	41.32	40.04	39.65	40.01	39.58	
19	40.15	39.80	39.79	39.62	40.10	39.84	40.19	41.00	40.04	39.66	39.86	39.60	
20	39.86	39.85	39.77	39.61	40.19	40.32	40.41	40.77	40.02	39.63	39.81	39.76	
21	39.67	40.09	39.78	39.61	40.06	40.10	40.16	40.61	39.98	39.62	39.84	39.86	
22	39.61	40.00	39.76	39.56	40.20	40.05	40.11	40.51	39.96	39.62	39.76	39.69	
23	39.57	39.97	39.72	39.54	40.12	40.12	40.11	40.52	39.93	39.61	39.73	39.66	
24	39.57	39.97	39.80	39.53	40.00	39.97	40.12	40.58	39.91	39.60	39.72	39.68	
25	39.55	40.00	39.72	39.52	39.97	39.92	40.28	42.25	39.89	39.60	39.89	39.68	
26	39.54	39.98	39.75	39.54	40.06	39.93	40.16	42.36	39.93	39.59	40.53	39.73	
27	39.57	40.00	39.75	39.61	40.04	39.91	40.09	41.39	40.00	39.58	41.05	39.68	
28	39.56	39.92	39.72	39.62	39.92	40.00	40.04	41.03	39.88	39.58	40.55	39.66	
29	39.62	39.92	39.72	39.67	39.87	40.03	40.00	41.53	39.87	39.57		39.70	
30	39.70	39.95	39.69	39.89	39.99	39.99	39.95	41.96	40.69	39.56		39.70	
31		40.00		39.77	39.93		40.11		40.46	39.56		39.86	
Mean	39.59	39.89	39.84	39.71	40.08	39.91	40.15	40.81	40.44	39.74	39.82	39.72	
Max	40.15	40.09	40.05	40.01	40.45	40.32	40.54	42.36	42.17	40.19	41.05	40.20	42.36
Min	39.49	39.70	39.69	39.52	39.87	39.73	39.95	39.93	39.87	39.56	39.52	39.55	39.49
Annual Max Momentary Gage Height	44.00		m. (MSL.) ,				at 19.00 Hours ,	on Nov 25, 2021					
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, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.50	11.00	19.50	10.40	15.75	15.50	24.00	22.80	60.00	23.70	8.25	24.00	
2	7.65	11.00	18.00	12.00	18.60	16.00	34.20	24.60	100.50	20.10	8.25	19.20	
3	7.65	14.25	17.75	10.80	19.50	15.50	25.50	24.90	90.65	18.00	8.85	16.25	
4	7.65	15.25	17.50	10.20	20.40	14.25	22.50	22.80	63.20	18.30	9.00	14.50	
5	7.65	15.50	17.25	10.80	21.30	13.75	21.30	19.20	53.60	17.25	8.55	12.60	
6	7.50	16.75	17.00	11.80	18.90	13.25	20.10	17.50	47.55	15.75	8.25	11.60	
7	7.50	16.50	16.75	15.00	21.90	13.25	20.10	16.75	44.05	14.50	9.60	11.00	
8	7.35	15.50	14.25	13.75	17.75	13.00	20.10	16.25	40.90	13.75	8.40	10.60	
9	7.35	15.50	13.00	14.50	17.75	13.75	23.10	17.25	37.05	13.50	8.10	11.20	
10	7.35	15.50	13.50	18.30	17.50	14.50	21.60	35.40	33.90	12.80	8.10	10.00	
11	7.50	14.00	16.00	16.50	22.50	15.00	22.50	51.20	31.50	12.40	7.95	9.40	
12	7.35	14.00	15.00	14.50	31.50	14.75	21.30	58.40	26.70	12.20	7.95	9.00	
13	8.40	13.75	17.75	12.40	25.50	13.75	21.30	63.60	24.90	11.80	7.80	8.70	
14	7.95	13.00	15.50	11.40	22.80	14.00	26.70	51.20	24.00	11.60	9.20	8.55	
15	8.70	13.00	13.75	11.40	23.40	13.50	26.10	41.60	23.10	11.20	12.20	8.40	
16	8.70	13.75	12.40	10.80	24.00	13.00	19.50	43.35	21.60	10.60	21.90	8.25	
17	8.40	13.75	12.20	10.20	24.30	11.60	20.70	48.60	20.70	10.20	34.80	8.70	
18	16.25	13.00	13.25	9.80	22.50	12.00	24.00	62.80	19.20	10.00	18.30	8.70	
19	22.50	13.00	12.80	9.40	21.00	14.00	23.70	50.00	19.20	10.20	14.50	9.00	
20	14.50	14.25	12.40	9.20	23.70	27.60	30.30	41.95	18.60	9.60	13.25	12.20	
21	10.40	20.70	12.60	9.20	19.80	21.00	22.80	36.35	17.50	9.40	14.00	14.50	
22	9.20	18.00	12.20	8.40	24.00	19.50	21.30	33.30	17.00	9.40	12.20	10.80	
23	8.55	17.25	11.40	8.10	21.60	21.60	21.30	33.60	16.25	9.20	11.60	10.20	
24	8.55	17.25	13.00	7.95	18.00	17.25	21.60	35.40	15.75	9.00	11.40	10.60	
25	8.25	18.00	11.40	7.80	17.25	16.00	26.40	104.75	15.25	9.00	15.25	10.60	
26	8.10	17.50	12.00	8.10	19.80	16.25	22.80	110.80	16.25	8.85	33.90	11.60	
27	8.55	18.00	12.00	9.20	19.20	15.75	20.70	65.60	18.00	8.70	52.00	10.60	
28	8.40	16.00	11.40	9.40	16.00	18.00	19.20	51.20	15.00	8.70	34.50	10.20	
29	9.40	16.00	11.40	10.40	14.75	18.90	18.00	71.20	14.75	8.55		11.00	
30	11.00	16.75	10.80	15.25	17.75	17.75	16.75	90.20	39.15	8.40		11.00	
31		18.00		12.40	16.25		21.30		31.80	8.40		14.50	
Total	275.80	475.70	423.75	349.35	634.95	473.95	700.75	1362.55	1017.60	375.05	418.05	357.45	6864.95 CMSDAY
Mean	9.19	15.35	14.12	11.27	20.48	15.80	22.60	45.42	32.83	12.10	14.93	11.53	18.81 CMS
Max	22.50	20.70	19.50	18.30	31.50	27.60	34.20	110.80	100.50	23.70	52.00	24.00	110.80 CMS
Min	7.35	11.00	10.80	7.80	14.75	11.60	16.75	16.25	14.75	8.40	7.80	8.25	7.35 CMS
Runoff	23.83	41.10	36.61	30.18	54.86	40.95	60.54	117.72	87.92	32.40	36.12	30.88	593.13 MCM
Momentary Peak	235.00 CMS. at 44.00 m. (MSL.) at 19.00 Hours , on Nov 25, 2021												
Runoff Yield	55.16	Liters/Second/Square KM.		Momentary Peak Yield		689.15	Liters/Second/Square KM.						

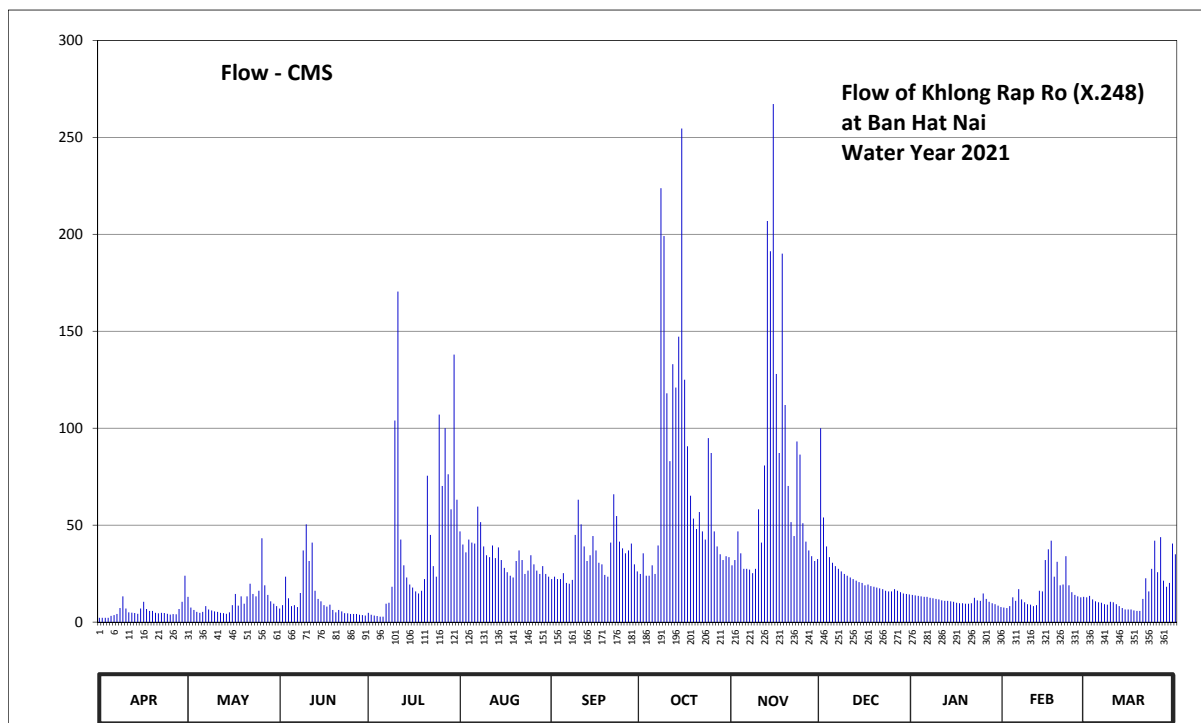
WATER YEAR : 2021
PENINSULA - UPPER EAST COAST BASIN
Khlong Rap Ro at Ban Hat Nai , Chumphon (X.248)
Lat 10 - 38 - 16 N Long 99 - 03 - 01 E

Location : on left bank at Ban Hat Nai.

	Ban	Hat Nai	Amphoe	Tha Sae	Changwat	Chumphon
Drainage 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 15 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	17.92	18.52	18.28	18.18	19.28	18.78	18.84	18.94	20.00	18.56	18.30	18.51	
2	17.92	18.30	18.35	18.08	19.16	18.81	19.07	19.00	19.40	18.55	18.29	18.54	
3	17.92	18.25	18.81	18.04	19.08	18.78	18.82	19.28	19.14	18.54	18.33	18.47	
4	17.92	18.21	18.49	18.01	19.21	18.78	18.82	19.07	19.03	18.53	18.51	18.43	
5	18.02	18.18	18.33	17.98	19.18	18.85	18.94	18.90	18.97	18.52	18.44	18.41	
6	18.06	18.21	18.35	17.98	19.17	18.73	18.84	18.90	18.93	18.52	18.65	18.40	
7	18.12	18.33	18.31	18.38	19.48	18.72	19.15	18.89	18.90	18.50	18.47	18.37	
8	18.29	18.26	18.60	18.40	19.36	18.77	21.06	18.85	18.87	18.49	18.41	18.36	
9	18.53	18.24	19.10	18.68	19.14	19.25	20.87	18.90	18.84	18.48	18.37	18.42	
10	18.28	18.22	19.34	20.04	19.05	19.53	20.18	19.46	18.82	18.47	18.36	18.41	
11	18.20	18.21	18.99	20.65	19.03	19.34	19.80	19.18	18.80	18.45	18.33	18.37	
12	18.19	18.18	19.18	19.21	19.15	19.14	20.33	19.77	18.78	18.44	18.35	18.33	
13	18.17	18.16	18.63	18.94	19.02	18.99	20.21	20.93	18.76	18.44	18.63	18.29	
14	18.13	18.13	18.48	18.80	19.13	19.05	20.46	20.81	18.74	18.43	18.62	18.26	
15	18.28	18.20	18.43	18.71	19.00	19.24	21.29	21.38	18.73	18.42	19.00	18.26	
16	18.42	18.35	18.35	18.67	18.91	19.10	20.25	20.28	18.70	18.40	19.11	18.26	
17	18.27	18.58	18.32	18.62	18.86	18.97	19.89	19.85	18.71	18.39	19.20	18.24	
18	18.23	18.34	18.36	18.59	18.82	18.95	19.56	20.80	18.69	18.39	18.81	18.23	
19	18.23	18.53	18.25	18.63	18.80	18.83	19.39	20.12	18.68	18.38	18.98	18.23	
20	18.18	18.38	18.20	18.78	18.99	18.81	19.30	19.63	18.67	18.38	18.70	18.48	
21	18.15	18.53	18.25	19.70	19.10	19.18	19.44	19.36	18.66	18.39	18.71	18.79	
22	18.18	18.72	18.22	19.25	19.00	19.57	19.28	19.24	18.65	18.50	19.04	18.62	
23	18.17	18.58	18.16	18.93	18.84	19.41	19.21	19.92	18.63	18.45	18.70	18.90	
24	18.13	18.53	18.15	18.81	18.88	19.19	19.94	19.84	18.62	18.44	18.61	19.20	
25	18.09	18.63	18.12	20.07	19.05	19.12	19.85	19.35	18.62	18.59	18.56	18.86	
26	18.11	19.22	18.12	19.63	18.95	19.07	19.28	19.19	18.65	18.48	18.53	19.23	
27	18.10	18.70	18.12	20.00	18.88	19.10	19.14	19.10	18.63	18.42	18.51	18.76	
28	18.27	18.56	18.08	19.71	18.84	19.17	19.06	19.04	18.61	18.39	18.52	18.68	
29	18.42	18.43	18.06	19.46	18.93	18.95	19.00	18.99	18.59	18.37		18.73	
30	18.82	18.38	18.04	20.38	18.84	18.87	19.04	19.01	18.58	18.34		19.17	
31		18.33		19.53	18.81		19.03		18.57	18.31		19.06	
Mean	18.19	18.40	18.42	18.99	19.03	19.04	19.59	19.53	18.81	18.45	18.61	18.56	
Max	18.82	19.22	19.34	20.65	19.48	19.57	21.29	21.38	20.00	18.59	19.20	19.23	21.38
Min	17.92	18.13	18.04	17.98	18.80	18.72	18.82	18.85	18.57	18.31	18.29	18.23	17.92
Annual Max Momentary Gage Height	22.76	m. (MSL.) ,		at 18.00 Hours , on Nov 15, 2021									
Zero Gage at Bottom Elevation	0.00	m. (MSL.) ,		River Bed		17.06	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.20	13.00	7.00	4.80	46.80	22.20	24.80	29.30	100.00	14.00	7.50	12.75		
2	2.20	7.50	8.75	3.80	40.00	23.45	35.50	32.00	54.00	13.75	7.25	13.50		
3	2.20	6.25	23.45	3.40	36.00	22.20	23.90	46.80	39.00	13.50	8.25	11.75		
4	2.20	5.25	12.25	3.10	42.60	22.20	23.90	35.50	33.50	13.25	12.75	10.75		
5	3.20	4.80	8.25	2.80	41.00	25.25	29.30	27.50	30.65	13.00	11.00	10.25		
6	3.60	5.25	8.75	2.80	40.50	20.20	24.80	27.50	28.85	13.00	17.00	10.00		
7	4.20	8.25	7.75	9.50	59.60	19.80	39.50	27.05	27.50	12.50	11.75	9.25		
8	7.25	6.50	15.00	10.00	51.60	21.80	223.80	25.25	26.15	12.25	10.25	9.00		
9	13.25	6.00	37.00	18.20	39.00	45.00	199.10	27.50	24.80	12.00	9.25	10.50		
10	7.00	5.50	50.40	104.00	34.50	63.10	118.00	58.20	23.90	11.75	9.00	10.25		
11	5.00	5.25	31.55	170.50	33.50	50.40	83.00	41.00	23.00	11.25	8.25	9.25		
12	4.90	4.80	41.00	42.60	39.50	39.00	133.00	80.75	22.20	11.00	8.75	8.25		
13	4.70	4.60	16.20	29.30	33.00	31.55	121.00	206.90	21.40	11.00	16.20	7.25		
14	4.30	4.30	12.00	23.00	38.50	34.50	147.20	191.30	20.60	10.75	15.80	6.50		
15	7.00	5.00	10.75	19.40	32.00	44.40	254.60	267.20	20.20	10.50	32.00	6.50		
16	10.50	8.75	8.75	17.80	27.95	37.00	125.00	128.00	19.00	10.00	37.50	6.50		
17	6.75	14.50	8.00	15.80	25.70	30.65	90.65	87.25	19.40	9.75	42.00	6.00		
18	5.75	8.50	9.00	14.75	23.90	29.75	65.20	190.00	18.60	9.75	23.45	5.75		
19	5.75	13.25	6.25	16.20	23.00	24.35	53.40	112.00	18.20	9.50	31.10	5.75		
20	4.80	9.50	5.00	22.20	31.55	23.45	48.00	70.25	17.80	9.50	19.00	12.00		
21	4.50	13.25	6.25	75.50	37.00	41.00	56.80	51.60	17.40	9.75	19.40	22.60		
22	4.80	19.80	5.50	45.00	32.00	65.90	46.80	44.40	17.00	12.50	34.00	15.80		
23	4.70	14.50	4.60	28.85	24.80	54.70	42.60	93.20	16.20	11.25	19.00	27.50		
24	4.30	13.25	4.50	23.45	26.60	41.50	94.90	86.40	15.80	11.00	15.40	42.00		
25	3.90	16.20	4.20	107.00	34.50	38.00	87.25	51.00	15.80	14.75	14.00	25.70		
26	4.10	43.20	4.20	70.25	29.75	35.50	46.80	41.50	17.00	12.00	13.25	43.80		
27	4.00	19.00	4.20	100.00	26.60	37.00	39.00	37.00	16.20	10.50	12.75	21.40		
28	6.75	14.00	3.80	76.25	24.80	40.50	35.00	34.00	15.40	9.75	13.00	18.20		
29	10.50	10.75	3.60	58.20	28.85	29.75	32.00	31.55	14.75	9.25		20.20		
30	23.90	9.50	3.40	138.00	24.80	26.15	34.00	32.50	14.50	8.50		40.50		
31		8.25		63.10	23.45		33.50		14.25	7.75		35.00		
Total	178.20	328.45	371.35	1319.55	1053.35	1040.25	2412.30	2214.40	763.05	349.00	478.85	494.45	11003.20	CMSDAY
Mean	5.94	10.60	12.38	42.57	33.98	34.67	77.82	73.81	24.61	11.26	17.10	15.95	30.15	CMS
Max	23.90	43.20	50.40	170.50	59.60	65.90	254.60	267.20	100.00	14.75	42.00	43.80	267.20	CMS
Min	2.20	4.30	3.40	2.80	23.00	19.80	23.90	25.25	14.25	7.75	7.25	5.75	2.20	CMS
Runoff	15.40	28.38	32.08	114.01	91.01	89.88	208.42	191.32	65.93	30.15	41.37	42.72	950.68	MCM
Momentary Peak	CMS. at 22.76 m. (MSL.) at 18.00 Hours , on Nov 15, 2021													
Runoff Yield	48.16 Liters/Second/Square KM.				Momentary Peak Yield				756.55 Liters/Second/Square KM.					

WATER YEAR : 2021**TAPI RIVER BASIN****Upper Khlong I - Pan at Ban Mai , Surat Thani (X.258)**

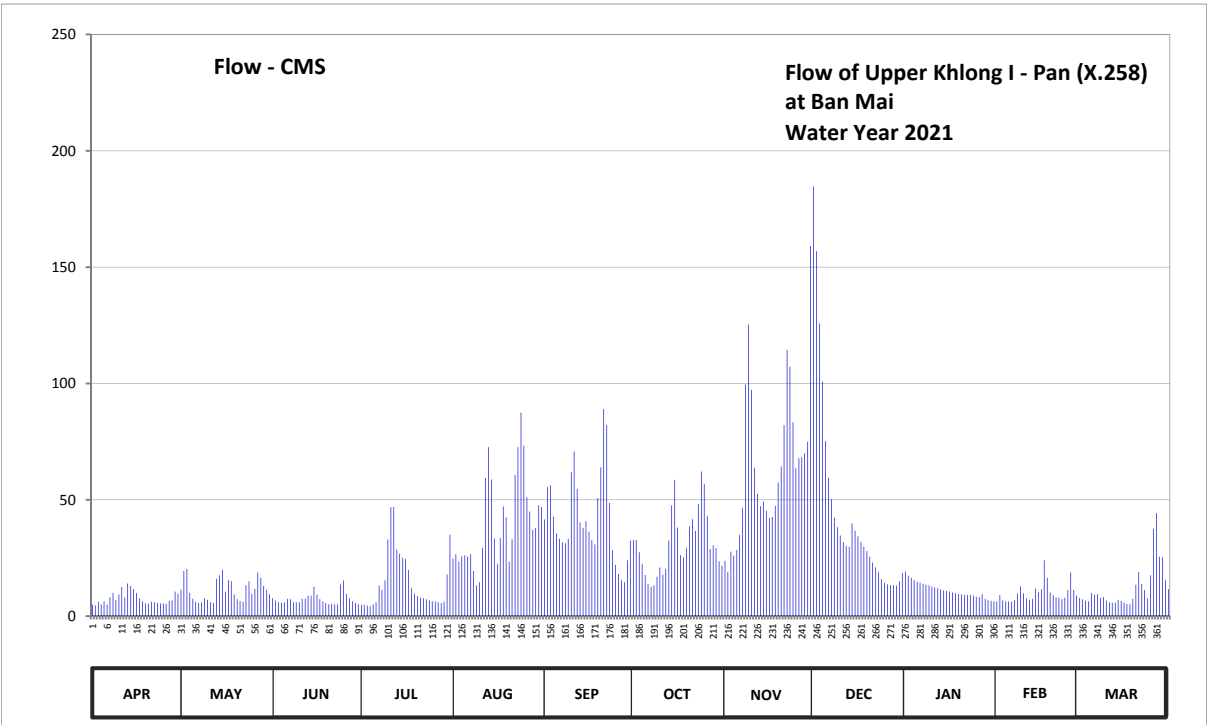
Lat 08 - 32 - 53 N Long 99 - 06 - 36 E

Location : on left bank at Ban Mai.

	Ban Mai	Amphoe Phrasaeng	Changwat Surat Thani
Drainage 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	+29.381 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 15 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	50.69	51.34	50.97	50.68	52.67	54.01	53.38	52.58	58.36	52.11	50.83	50.98	
2	50.66	52.14	50.87	50.69	52.86	54.89	53.38	52.10	57.87	51.94	51.10	50.92	
3	50.82	52.22	50.80	50.65	52.53	54.93	52.94	52.97	57.24	51.84	50.87	50.86	
4	50.70	51.20	50.77	50.62	52.77	54.09	52.45	52.80	56.62	51.75	50.83	50.83	
5	50.84	50.95	50.79	50.70	52.81	53.61	51.97	53.04	55.84	51.68	50.83	51.20	
6	50.70	50.82	50.94	50.79	52.76	53.43	51.58	53.56	55.10	51.64	50.81	51.13	
7	51.02	50.76	50.93	51.51	52.87	53.31	51.46	54.34	54.59	51.59	50.88	51.15	
8	51.20	50.79	50.80	51.33	52.14	53.27	51.53	56.59	54.06	51.55	51.17	50.98	
9	50.89	50.96	50.79	51.74	51.53	53.43	51.89	57.23	53.79	51.52	51.48	51.02	
10	51.13	50.90	50.80	53.40	51.66	55.22	52.29	56.53	53.54	51.47	51.18	50.87	
11	51.45	50.80	50.94	54.36	53.11	55.66	51.98	55.32	53.31	51.43	50.97	50.80	
12	51.00	50.76	50.95	54.37	55.09	54.85	52.23	54.73	53.18	51.40	50.90	50.77	
13	51.60	51.80	51.08	53.05	55.74	53.92	53.37	54.39	53.15	51.35	50.94	50.78	
14	51.49	51.95	51.08	52.88	55.06	53.77	54.41	54.52	53.90	51.31	51.38	50.90	
15	51.36	52.19	51.46	52.71	53.44	53.96	55.05	54.26	53.69	51.28	51.23	50.85	
16	51.20	51.25	51.12	52.66	52.45	53.66	53.78	54.05	53.51	51.25	51.35	50.78	
17	50.96	51.75	50.93	52.19	53.46	53.38	52.82	54.08	53.32	51.22	52.60	50.72	
18	50.83	51.70	50.83	51.40	54.38	53.23	52.72	54.40	53.15	51.19	51.84	50.71	
19	50.74	51.13	50.76	51.17	54.07	54.62	53.10	54.99	53.00	51.15	51.22	50.95	
20	50.73	50.93	50.71	51.06	52.54	55.33	53.81	55.35	52.75	51.13	51.11	51.55	
21	50.81	50.85	50.72	51.00	53.41	56.30	54.02	56.07	52.50	51.12	51.01	52.10	
22	50.80	50.81	50.70	50.97	55.16	56.07	53.68	56.96	52.30	51.11	50.99	51.59	
23	50.77	51.53	50.71	50.92	55.74	54.48	54.45	56.78	52.09	51.11	50.93	51.32	
24	50.75	51.69	51.56	50.87	56.25	53.03	55.24	56.11	51.79	51.07	50.99	50.96	
25	50.74	51.15	51.73	50.84	55.77	52.40	54.96	55.31	51.64	51.03	51.33	51.95	
26	50.73	51.37	51.15	50.82	54.64	52.01	54.10	55.53	51.56	51.02	52.08	53.74	
27	50.85	52.08	50.96	50.80	54.24	51.74	53.07	55.55	51.54	51.14	51.33	54.19	
28	50.87	51.86	50.84	50.76	53.71	51.66	53.20	55.63	51.53	50.94	51.08	52.75	
29	51.25	51.49	50.76	50.82	53.76	52.60	53.10	55.83	51.51	50.88		52.73	
30	51.16	51.33	50.71	51.99	54.41	53.36	52.55	57.91	51.70	50.86		51.75	
31		51.14		53.57	54.36		52.36		52.05	50.84		51.36	
Mean	50.96	51.34	50.94	51.66	53.72	53.87	53.12	54.98	53.55	51.32	51.19	51.39	
Max	51.60	52.22	51.73	54.37	56.25	56.30	55.24	57.91	58.36	52.11	52.60	54.19	58.36
Min	50.66	50.76	50.70	50.62	51.53	51.66	51.46	52.10	51.51	50.84	50.81	50.71	50.62
Annual Max Momentary Gage Height	58.46		m. (MSL.) ,			at 07.00 Hours ,	on Dec 1, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	49.18	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, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	4.90	11.40	7.70	4.80	24.70	41.55	32.65	23.80	184.60	19.10	6.30	7.80		
2	4.60	19.40	6.70	4.90	26.60	55.51	32.65	19.00	156.85	17.40	9.00	7.20		
3	6.20	20.20	6.00	4.50	23.30	56.27	27.40	27.70	125.80	16.40	6.70	6.60		
4	5.00	10.00	5.70	4.20	25.70	42.75	22.50	26.00	100.80	15.50	6.30	6.30		
5	6.40	7.50	5.90	5.00	26.10	35.55	17.70	28.48	75.20	14.80	6.30	10.00		
6	5.00	6.20	7.40	5.90	25.60	33.28	13.80	34.90	59.50	14.40	6.10	9.30		
7	8.20	5.60	7.30	13.10	26.70	31.78	12.60	46.50	50.25	13.90	6.80	9.50		
8	10.00	5.90	6.00	11.30	19.40	31.28	13.30	99.60	42.30	13.50	9.70	7.80		
9	6.90	7.60	5.90	15.40	13.30	33.28	16.90	125.35	38.25	13.20	12.80	8.20		
10	9.30	7.00	6.00	32.90	14.60	61.79	20.90	97.20	34.65	12.70	9.80	6.70		
11	12.50	6.00	7.40	46.80	29.32	70.71	17.80	63.74	31.78	12.30	7.70	6.00		
12	8.00	5.60	7.50	46.95	59.31	54.75	20.30	52.61	30.16	12.00	7.00	5.70		
13	14.00	16.00	8.80	28.60	72.59	40.20	32.53	47.25	29.80	11.50	7.40	5.80		
14	12.90	17.50	8.80	26.80	58.74	37.95	47.55	49.20	39.90	11.10	11.80	7.00		
15	11.60	19.90	12.60	25.10	33.40	40.80	58.55	45.30	36.75	10.80	10.30	6.50		
16	10.00	10.50	9.20	24.60	22.50	36.30	38.10	42.15	34.28	10.50	11.50	5.80		
17	7.60	15.50	7.30	19.90	33.65	32.65	26.20	42.60	31.90	10.20	24.00	5.20		
18	6.30	15.00	6.30	12.00	47.10	30.78	25.20	47.40	29.80	9.90	16.40	5.10		
19	5.40	9.30	5.60	9.70	42.45	50.74	29.20	57.41	28.00	9.50	10.20	7.50		
20	5.30	7.30	5.10	8.60	23.40	63.94	38.55	64.33	25.50	9.30	9.10	13.50		
21	6.10	6.50	5.20	8.00	33.03	89.00	41.70	82.10	23.00	9.20	8.10	19.00		
22	6.00	6.10	5.00	7.70	60.64	82.10	36.60	114.40	21.00	9.10	7.90	13.90		
23	5.70	13.30	5.10	7.20	72.59	48.60	48.15	107.20	18.90	9.10	7.30	11.20		
24	5.50	14.90	13.60	6.70	87.50	28.36	62.18	83.30	15.90	8.70	7.90	7.60		
25	5.40	9.50	15.30	6.40	73.30	22.00	56.84	63.55	14.40	8.30	11.30	17.50		
26	5.30	11.70	9.50	6.20	51.08	18.10	42.90	67.90	13.60	8.20	18.80	37.50		
27	6.50	18.80	7.60	6.00	45.00	15.40	28.84	68.30	13.40	9.40	11.30	44.25		
28	6.70	16.60	6.40	5.60	37.05	14.60	30.40	70.01	13.30	7.40	8.80	25.50		
29	10.50	12.90	5.60	6.20	37.80	24.00	29.20	74.90	13.10	6.80		25.30		
30	9.60	11.30	5.10	17.90	47.55	32.40	23.50	159.05	15.00	6.60		15.50		
31		9.40		35.03	46.80		21.60		18.50	6.40		11.60		
Total	227.40	354.40	221.60	463.98	1240.80	1256.42	966.29	1931.23	1366.17	347.20	276.60	376.35	9028.44	CMSDAY
Mean	7.58	11.43	7.39	14.97	40.03	41.88	31.17	64.37	44.07	11.20	9.88	12.14	24.74	CMS
Max	14.00	20.20	15.30	46.95	87.50	89.00	62.18	159.05	184.60	19.10	24.00	44.25	184.60	CMS
Min	4.60	5.60	5.00	4.20	13.30	14.60	12.60	19.00	13.10	6.40	6.10	5.10	4.20	CMS
Runoff	19.65	30.62	19.15	40.09	107.21	108.55	83.49	166.86	118.04	30.00	23.90	32.52	780.06	MCM
Momentary Peak	190.90 CMS. at 58.46 m. (MSL.) at 07.00 Hours , on Dec 1, 2021													
Runoff Yield	23.69	Liters/Second/Square KM.			Momentary Peak Yield			182.85	Liters/Second/Square KM.					

WATER YEAR : 2021

PENINSULA - UPPER EAST COAST BASIN

Lower Khlong I - Pan at Ban Aphot, Surat Thani (X.260)

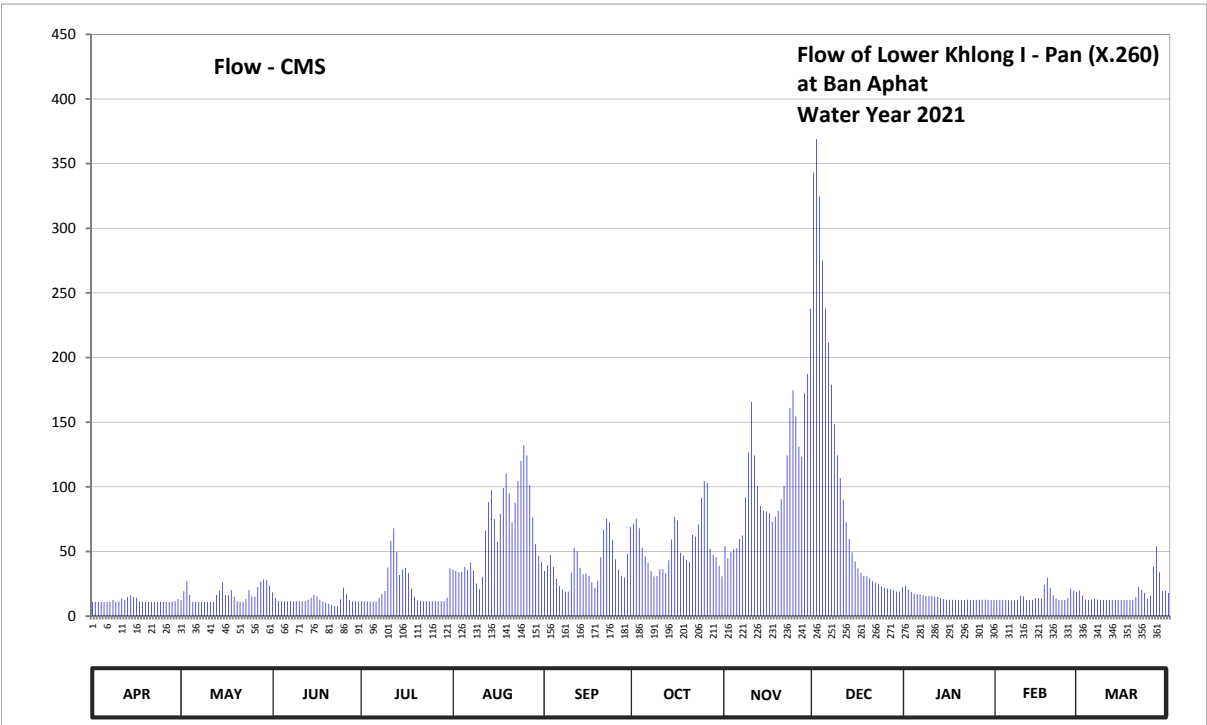
Lat 08 - 32 - 37 N Long 99 - 13 - 24 E

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	+29.381 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 + 12.050 m.(MSL.), records are channel flow only.		
General Description	Records fair. Stage-discharge relation defined by 15 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.96	6.07	6.54	6.00	7.74	7.68	9.17	8.57	11.99	6.96	6.07	6.66	
2	5.96	6.62	6.21	6.00	7.69	7.92	9.28	8.16	12.12	6.72	6.08	6.35	
3	5.96	7.19	6.01	5.99	7.62	8.28	9.06	8.38	11.89	6.56	6.07	6.10	
4	5.96	6.39	6.00	5.99	7.64	7.85	8.52	8.47	11.60	6.48	6.07	6.08	
5	5.96	5.97	6.00	5.99	7.85	7.32	8.23	8.50	11.36	6.44	6.07	6.12	
6	5.96	5.96	6.00	5.99	7.72	6.94	8.00	8.78	11.11	6.43	6.07	6.17	
7	5.97	5.96	6.00	6.21	8.01	6.71	7.67	8.88	10.80	6.39	6.07	6.11	
8	6.08	5.96	6.00	6.45	7.70	6.59	7.44	9.66	10.48	6.33	6.08	6.08	
9	5.97	5.96	6.00	6.63	7.08	6.59	7.46	10.22	10.19	6.33	6.34	6.08	
10	5.98	5.96	6.00	7.83	6.74	7.60	7.76	10.66	9.93	6.33	6.31	6.08	
11	6.17	5.96	6.00	8.72	7.42	8.52	7.76	10.74	9.62	6.29	6.08	6.08	
12	6.08	5.96	6.00	9.06	9.00	8.41	7.58	10.47	9.21	6.27	6.07	6.08	
13	6.26	6.39	6.10	8.39	9.58	7.82	8.10	10.25	8.78	6.20	6.07	6.08	
14	6.36	6.65	6.20	7.50	9.77	7.53	8.77	10.19	8.37	6.14	6.18	6.08	
15	6.26	7.14	6.41	7.74	9.27	7.56	9.32	10.18	8.06	6.10	6.20	6.08	
16	6.22	6.38	6.31	7.82	8.69	7.47	9.24	10.15	7.80	6.09	6.16	6.08	
17	5.97	6.37	6.09	7.59	9.38	7.15	8.36	10.02	7.60	6.09	7.02	6.08	
18	5.96	6.69	5.99	6.77	9.80	6.83	8.26	10.10	7.46	6.08	7.38	6.07	
19	5.96	6.28	5.92	6.27	9.99	7.20	8.11	10.19	7.44	6.08	6.82	6.07	
20	5.96	5.99	5.84	6.05	9.72	8.20	8.04	10.33	7.35	6.08	6.37	6.26	
21	5.96	5.97	5.77	6.01	9.20	9.03	8.89	10.47	7.20	6.08	6.16	6.89	
22	5.96	5.97	5.69	6.00	9.57	9.28	8.85	10.74	7.12	6.10	6.08	6.70	
23	5.96	6.13	5.65	6.00	9.89	9.20	9.15	11.06	7.04	6.08	6.08	6.51	
24	5.96	6.69	6.12	6.00	10.13	8.76	9.65	11.16	6.92	6.08	6.08	6.16	
25	5.96	6.29	6.84	6.00	10.29	8.13	9.89	11.01	6.83	6.08	6.19	6.36	
26	5.96	6.28	6.43	6.00	10.19	7.74	9.87	10.81	6.78	6.09	6.76	7.87	
27	5.96	6.88	6.08	6.00	9.84	7.47	9.49	10.73	6.74	6.10	6.65	8.56	
28	5.96	7.18	6.00	6.00	9.30	7.39	9.35	10.73	6.67	6.10	6.58	7.62	
29	6.00	7.29	6.00	6.00	8.63	8.33	9.29	10.88	6.59	6.08		6.63	
30	6.13	7.26	6.00	6.22	8.24	9.09	9.02	11.36	6.59	6.08		6.66	
31		6.97		7.79	8.04		8.64		6.87	6.07		6.52	
Mean	6.03	6.41	6.07	6.68	8.77	7.82	8.65	10.06	8.66	6.24	6.29	6.43	
Max	6.36	7.29	6.84	9.06	10.29	9.28	9.89	11.36	12.12	6.96	7.38	8.56	12.12
Min	5.96	5.96	5.65	5.99	6.74	6.59	7.44	8.16	6.59	6.07	6.07	6.07	5.65
Annual Max Momentary Gage Height	12.15		m. (MSL.) ,			at 02.00 Hours ,	on Dec 2, 2021						
Zero Gage at Bottom Elevation		3.00	m. (MSL.) ,			River Bed	3.12	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, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	11.00	12.38	18.25	11.50	35.95	34.90	71.53	54.25	343.15	23.50	12.38	19.75		
2	11.00	19.25	14.13	11.50	35.08	39.40	75.50	44.60	369.00	20.50	12.50	15.88		
3	11.00	26.85	11.63	11.38	33.85	47.30	67.95	49.55	324.65	18.50	12.38	12.75		
4	11.00	16.38	11.50	11.38	34.20	38.00	53.00	51.75	275.00	17.50	12.38	12.50		
5	11.00	11.13	11.50	11.38	38.00	28.80	46.18	52.50	237.80	17.00	12.38	13.00		
6	11.00	11.00	11.50	11.38	35.60	23.25	41.00	59.50	211.55	16.88	12.38	13.63		
7	11.13	11.00	11.50	14.13	41.23	20.38	34.73	62.40	179.00	16.38	12.38	12.88		
8	12.50	11.00	11.50	17.13	35.25	18.88	30.70	92.00	148.60	15.63	12.50	12.50		
9	11.13	11.00	11.50	19.38	25.20	18.88	31.05	126.60	124.30	15.63	15.75	12.50		
10	11.25	11.00	11.50	37.60	20.75	33.50	36.30	165.70	106.80	15.63	15.38	12.50		
11	13.63	11.00	11.50	58.00	30.35	53.00	36.30	124.30	90.00	15.13	12.50	12.50		
12	12.50	11.00	11.50	67.95	66.00	50.25	33.15	100.60	72.88	14.88	12.38	12.50		
13	14.75	16.38	12.75	49.78	88.10	37.40	43.25	85.25	59.50	14.00	12.38	12.50		
14	16.00	19.63	14.00	31.75	97.50	32.28	59.25	81.50	49.33	13.25	13.75	12.50		
15	14.75	26.10	16.63	35.95	75.13	32.80	77.00	81.00	42.35	12.75	14.00	12.50		
16	14.25	16.25	15.38	37.40	57.25	31.23	74.00	79.50	37.00	12.63	13.50	12.50		
17	11.13	16.13	12.63	33.33	79.25	26.25	49.10	73.00	33.50	12.63	24.30	12.50		
18	11.00	20.13	11.38	21.13	99.00	21.88	46.85	77.00	31.05	12.50	29.70	12.38		
19	11.00	15.00	10.50	14.88	110.40	27.00	43.48	81.50	30.70	12.50	21.75	12.38		
20	11.00	11.38	9.50	12.13	95.00	45.50	41.90	90.45	29.25	12.50	16.13	14.75		
21	11.00	11.13	8.70	11.63	72.50	66.98	62.70	100.60	27.00	12.50	13.50	22.63		
22	11.00	11.13	7.90	11.50	87.65	75.50	61.50	124.30	25.80	12.75	12.50	20.25		
23	11.00	13.13	7.50	11.50	104.40	72.50	70.88	161.10	24.60	12.50	12.50	17.88		
24	11.00	20.13	13.00	11.50	120.10	59.00	91.50	174.60	23.00	12.50	12.50	13.50		
25	11.00	15.13	22.00	11.50	132.20	43.93	104.40	154.35	21.88	12.50	13.88	16.00		
26	11.00	15.00	16.88	11.50	124.30	35.95	103.20	131.15	21.25	12.63	21.00	38.40		
27	11.00	22.50	12.50	11.50	101.40	31.23	52.15	123.35	20.75	12.75	19.63	54.00		
28	11.00	26.70	11.50	11.50	76.25	29.85	47.50	172.35	19.88	12.75	18.75	33.85		
29	11.50	28.35	11.50	11.50	55.75	48.43	45.70	187.40	18.88	12.50		19.38		
30	13.13	27.90	11.50	14.25	46.40	68.93	38.95	237.80	18.88	12.50		19.75		
31		23.63		36.83	41.90		30.80		22.38	12.38		18.00		
Total	354.65	518.72	373.26	673.77	2095.94	1193.18	1701.50	3199.95	3039.71	448.18	425.06	538.54	14562.46	CMSDAY
Mean	11.82	16.73	12.44	21.73	67.61	39.77	54.89	106.66	98.06	14.46	15.18	17.37	39.90	CMS
Max	16.00	28.35	22.00	67.95	132.20	75.50	104.40	237.80	369.00	23.50	29.70	54.00	369.00	CMS
Min	11.00	11.00	7.50	11.38	20.75	18.88	30.70	44.60	18.88	12.38	12.38	12.38	7.50	CMS
Runoff	30.64	44.82	32.25	58.21	181.09	103.09	147.01	276.48	262.63	38.72	36.73	46.53	1258.20	MCM
Momentary Peak	375.00 CMS. at 12.15 m. (MSL.) at 02.00 Hours , on Dec 2, 2021													
Runoff Yield	19.68	Liters/Second/Square KM.			Momentary Peak Yield			185.00	Liters/Second/Square KM.					

WATER YEAR : 2021
SOUTHERN PENINSULA EAST COAST

Khlong Sao Thong at Thalung Thong Temple , Nakhon Si Thammarat (X.289)

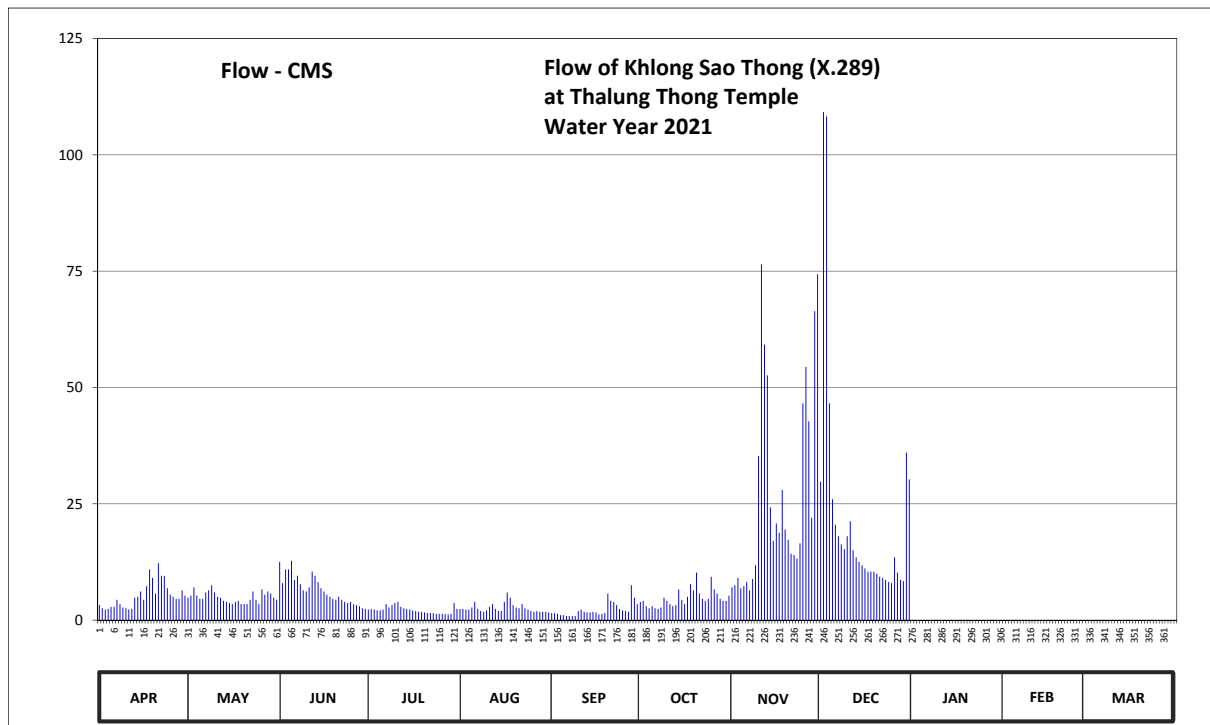
Lat 08 - 18 - 22 N Long 99 - 51 - 36 E

Location : on right bank at the bridge.

	Thalung Thong Temple	Amphoe	Ron Phibun	Changwat	Nakhon Si Thammarat
Drainage Area	193 sq.km.				
Type of Gage	Water - stage recorder				
Zero Gage at Bottom	+0.000 m. (MSL.)				
Bench Mark	B.M.-H.D.				
Location BM	-			Elevation	- 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 18 discharge measurements made in 2021.				
Remark	Due to the bridge construction, discharge can not be completed.However,the Momentary peak can be observed.				

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	15.41	15.48	15.82	15.35	15.36	15.30	15.44	15.58	16.51				
2	15.37	15.50	15.62	15.36	15.36	15.30	15.45	15.60	18.87				
3	15.35	15.58	15.75	15.35	15.35	15.29	15.40	15.67	18.85				
4	15.36	15.50	15.75	15.34	15.35	15.27	15.37	15.57	17.12				
5	15.39	15.47	15.83	15.34	15.38	15.27	15.40	15.59	16.36				
6	15.39	15.47	15.65	15.35	15.44	15.26	15.37	15.63	16.14				
7	15.46	15.53	15.69	15.42	15.36	15.26	15.36	15.55	16.04				
8	15.42	15.55	15.61	15.38	15.33	15.26	15.38	15.66	15.97				
9	15.38	15.60	15.55	15.41	15.32	15.26	15.48	15.79	15.93				
10	15.37	15.53	15.54	15.43	15.34	15.33	15.45	16.73	16.04				
11	15.35	15.49	15.58	15.44	15.39	15.35	15.42	18.07	16.17				
12	15.36	15.48	15.73	15.39	15.42	15.32	15.40	17.54	15.92				
13	15.48	15.45	15.69	15.37	15.36	15.31	15.41	17.32	15.86				
14	15.49	15.44	15.63	15.36	15.33	15.31	15.56	16.29	15.82				
15	15.54	15.43	15.57	15.35	15.33	15.32	15.46	16.00	15.79				
16	15.46	15.42	15.54	15.34	15.44	15.31	15.42	16.15	15.76				
17	15.59	15.44	15.51	15.33	15.53	15.28	15.49	16.07	15.73				
18	15.75	15.45	15.49	15.32	15.48	15.29	15.61	16.44	15.73				
19	15.67	15.42	15.47	15.32	15.41	15.30	15.55	16.10	15.73				
20	15.52	15.42	15.46	15.31	15.38	15.52	15.72	16.01	15.71				
21	15.81	15.42	15.49	15.30	15.37	15.45	15.52	15.89	15.68				
22	15.69	15.46	15.46	15.30	15.42	15.44	15.47	15.88	15.67				
23	15.69	15.54	15.44	15.30	15.37	15.41	15.45	15.85	15.65				
24	15.57	15.46	15.43	15.29	15.35	15.36	15.47	15.98	15.63				
25	15.51	15.42	15.44	15.29	15.33	15.34	15.68	17.12	15.62				
26	15.49	15.56	15.42	15.29	15.32	15.33	15.56	17.38	15.86				
27	15.47	15.51	15.41	15.29	15.33	15.32	15.52	16.99	15.72				
28	15.47	15.54	15.40	15.28	15.32	15.60	15.47	16.20	15.65				
29	15.55	15.52	15.37	15.29	15.32	15.48	15.45	17.78	15.64				
30	15.50	15.48	15.36	15.43	15.32	15.42	15.45	18.01	16.76				
31		15.46		15.36	15.31		15.50		16.53				
Mean	15.50	15.48	15.56	15.34	15.37	15.34	15.47	16.35	16.14				
Max	15.81	15.60	15.83	15.44	15.53	15.60	15.72	18.07	18.87				18.87
Min	15.35	15.42	15.36	15.28	15.31	15.26	15.36	15.55	15.62				15.26
Annual Max Momentary Gage Height	20.18		m. (MSL.) ,			at 16.00 Hours , on Dec 2, 2021							
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	13.73	m. (MSL.)					
Left Bank Elevation		22.53	m. (MSL.) ,										
Right Bank Elevation		22.55	m. (MSL.) ,			Drainage Are	193	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.23	4.80	12.50	2.25	2.40	1.50	3.90	7.05	29.75				
2	2.55	5.25	7.95	2.40	2.40	1.50	4.13	7.50	109.15				
3	2.25	7.05	10.88	2.25	2.25	1.35	3.00	9.08	108.25				
4	2.40	5.25	10.88	2.10	2.25	1.05	2.55	6.83	46.60				
5	2.85	4.58	12.75	2.10	2.70	1.05	3.00	7.28	26.00				
6	2.85	4.58	8.63	2.25	3.90	0.90	2.55	8.18	20.50				
7	4.35	5.93	9.53	3.45	2.40	0.90	2.40	6.38	18.00				
8	3.45	6.38	7.73	2.70	1.95	0.90	2.70	8.85	16.25				
9	2.70	7.50	6.38	3.23	1.80	0.90	4.80	11.78	15.25				
10	2.55	5.93	6.15	3.68	2.10	1.95	4.13	35.25	18.00				
11	2.25	5.03	7.05	3.90	2.85	2.25	3.45	76.45	21.25				
12	2.40	4.80	10.43	2.85	3.45	1.80	3.00	59.20	15.00				
13	4.80	4.13	9.53	2.55	2.40	1.65	3.23	52.60	13.50				
14	5.03	3.90	8.18	2.40	1.95	1.65	6.60	24.25	12.50				
15	6.15	3.68	6.83	2.25	1.95	1.80	4.35	17.00	11.78				
16	4.35	3.45	6.15	2.10	3.90	1.65	3.45	20.75	11.10				
17	7.28	3.90	5.48	1.95	5.93	1.20	5.03	18.75	10.43				
18	10.88	4.13	5.03	1.80	4.80	1.35	7.73	28.00	10.43				
19	9.08	3.45	4.58	1.80	3.23	1.50	6.38	19.50	10.43				
20	5.70	3.45	4.35	1.65	2.70	5.70	10.20	17.25	9.98				
21	12.25	3.45	5.03	1.50	2.55	4.13	5.70	14.25	9.30				
22	9.53	4.35	4.35	1.50	3.45	3.90	4.58	14.00	9.08				
23	9.53	6.15	3.90	1.50	2.55	3.23	4.13	13.25	8.63				
24	6.83	4.35	3.68	1.35	2.25	2.40	4.58	16.50	8.18				
25	5.48	3.45	3.90	1.35	1.95	2.10	9.30	46.60	7.95				
26	5.03	6.60	3.45	1.35	1.80	1.95	6.60	54.40	13.50				
27	4.58	5.48	3.23	1.35	1.95	1.80	5.70	42.70	10.20				
28	4.58	6.15	3.00	1.20	1.80	7.50	4.58	22.00	8.63				
29	6.38	5.70	2.55	1.35	1.80	4.80	4.13	66.40	8.40				
30	5.25	4.80	2.40	3.68	1.80	3.45	4.13	74.35	36.00				
31		4.35		2.40	1.65		5.25		30.25				
Total	156.54	152.00	196.48	68.19	80.86	67.81	145.26	806.38	684.27				2357.79 CMSDAY
Mean	5.22	4.90	6.55	2.20	2.61	2.26	4.69	26.88	22.07				8.57 CMS
Max	12.25	7.50	12.75	3.90	5.93	7.50	10.20	76.45	109.15				109.15 CMS
Min	2.25	3.45	2.40	1.20	1.65	0.90	2.40	6.38	7.95				0.90 CMS
Runoff	13.53	13.13	16.98	5.89	6.99	5.86	12.55	69.67	59.12				203.71 MCM
Momentary Peak	183.60 CMS. at 20.18 m. (MSL.) at 16.00 Hours , on Dec 2, 2021												
Runoff Yield	33.47	Liters/Second/Square KM.		Momentary Peak Yield		951.30	Liters/Second/Square KM.						

WATER YEAR : 2021**THALE SAP SONGKHLA****Khlong U - Taphao at Ban Hat Yai Nai , Songkhla (X.44)**

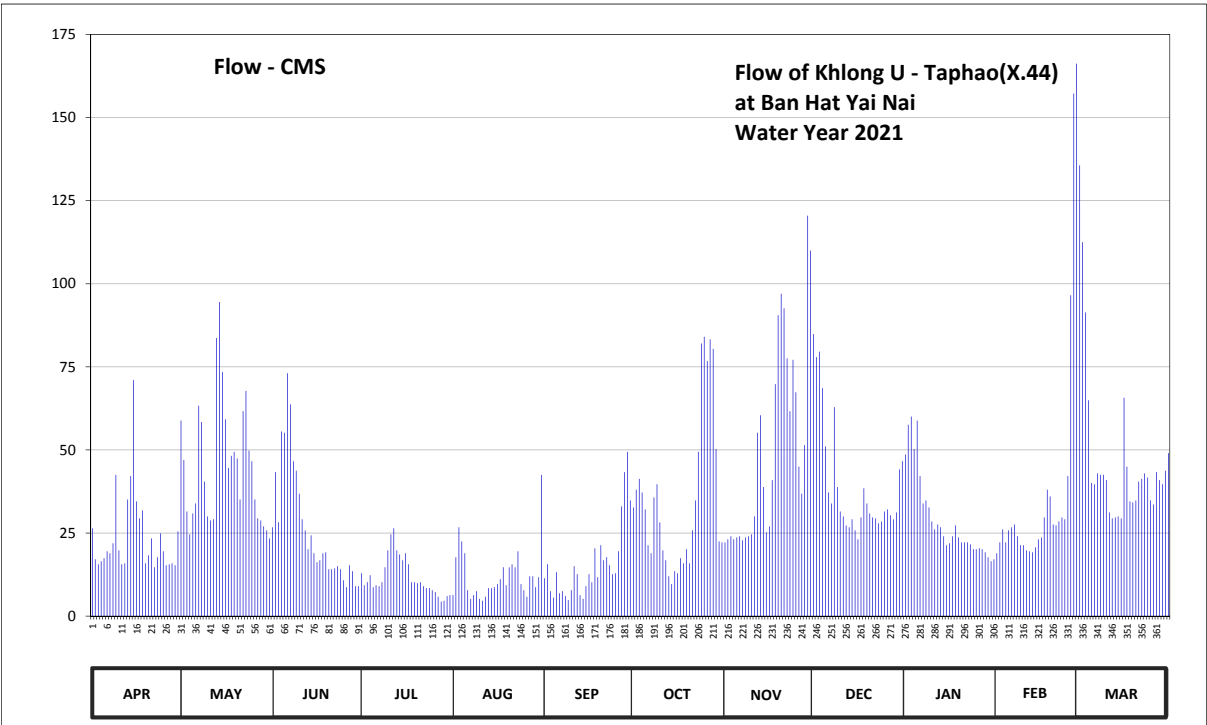
Lat 07 - 00 - 08 N Long 100 - 27 - 22 E

Location : on left bank at the bridge of Hat Yai - Rattaphum Highway.

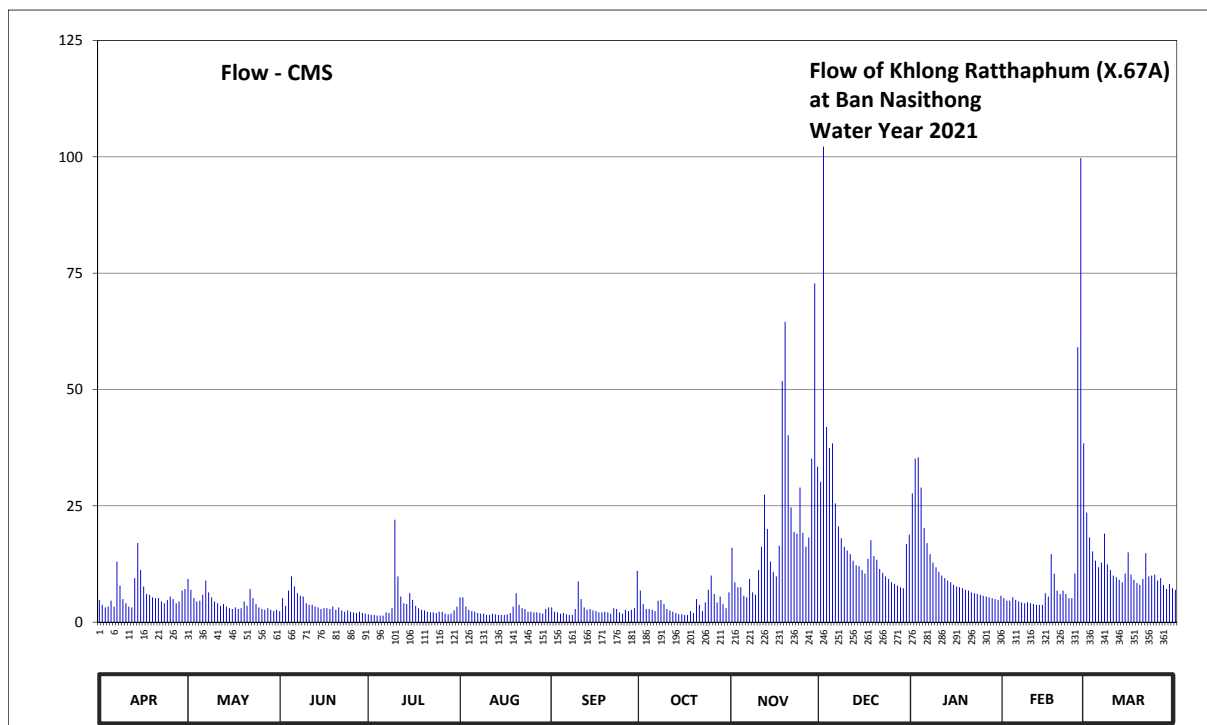
	Ban	Hat Yai Nai	Amphoe	Hat Yai	Changwat	Songkhla
Drainage Area	1,702	sq.km.				
Type of Gage	Water - stage recorder					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	in front of the telemeter fort building.				Elevation	+7.341 m. (MSL.)
Gage Reading Frequency	Recording					
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 good. Stage-discharge relation defined by 21 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.68	1.56	0.69	0.23	0.01	0.18	0.89	0.54	2.20	1.31	0.43	3.21	
2	0.37	1.27	1.18	0.11	0.39	0.32	1.05	0.57	2.03	1.53	0.54	2.79	
3	0.32	0.85	0.74	0.14	0.69	0.05	1.13	0.60	2.07	1.59	0.67	2.36	
4	0.35	0.62	1.48	0.21	0.55	-0.02	1.03	0.57	1.80	1.35	0.54	1.71	
5	0.38	0.83	1.47	0.09	0.43	0.24	0.87	0.59	1.37	1.56	0.66	1.10	
6	0.45	0.93	1.91	0.11	0.06	0.03	0.51	0.60	1.03	1.15	0.69	1.09	
7	0.43	1.67	1.68	0.10	-0.04	0.05	0.43	0.56	0.93	0.93	0.72	1.17	
8	0.53	1.55	1.26	0.14	0.01	0.00	0.99	0.59	1.66	0.96	0.60	1.16	
9	1.16	1.11	1.19	0.29	0.05	-0.06	1.09	0.60	1.07	0.89	0.51	1.16	
10	0.46	0.80	1.02	0.46	-0.04	0.06	0.74	0.62	0.85	0.75	0.51	1.12	
11	0.32	0.76	0.77	0.62	-0.07	0.30	0.46	0.80	0.80	0.67	0.46	0.84	
12	0.33	0.77	0.66	0.68	-0.01	0.22	0.36	1.47	0.71	0.72	0.45	0.78	
13	0.97	2.17	0.47	0.46	0.08	0.01	0.20	1.60	0.69	0.69	0.44	0.79	
14	1.15	2.43	0.61	0.42	0.08	-0.04	0.12	1.07	0.77	0.60	0.49	0.80	
15	1.86	1.92	0.43	0.36	0.09	0.10	0.25	0.64	0.66	0.51	0.57	0.78	
16	0.95	1.57	0.34	0.43	0.12	0.22	0.23	0.70	0.57	0.53	0.59	1.73	
17	0.78	1.21	0.36	0.32	0.17	0.14	0.38	1.12	0.79	0.60	0.79	1.22	
18	0.86	1.30	0.43	0.14	0.29	0.48	0.33	1.83	1.06	0.71	1.05	0.95	
19	0.33	1.33	0.44	0.14	0.11	0.19	0.47	2.34	0.93	0.59	1.00	0.94	
20	0.41	1.28	0.27	0.13	0.29	0.51	0.33	2.48	0.83	0.54	0.72	0.96	
21	0.58	0.97	0.27	0.14	0.32	0.36	0.66	2.39	0.79	0.54	0.71	1.11	
22	0.29	1.63	0.28	0.10	0.29	0.39	0.96	2.02	0.78	0.54	0.75	1.13	
23	0.39	1.78	0.30	0.08	0.45	0.31	1.33	1.63	0.73	0.52	0.79	1.17	
24	0.63	1.34	0.27	0.08	0.12	0.22	2.13	2.01	0.75	0.47	0.77	1.14	
25	0.45	1.26	0.16	0.06	0.06	0.23	2.18	1.77	0.85	0.47	1.15	0.96	
26	0.31	0.97	0.09	0.04	-0.01	0.45	2.00	1.22	0.87	0.48	2.47	0.92	
27	0.32	0.78	0.31	-0.01	0.20	0.90	2.16	1.02	0.81	0.47	3.57	1.18	
28	0.33	0.76	0.25	-0.08	0.20	1.18	2.09	1.38	0.77	0.44	3.72	1.12	
29	0.31	0.70	0.10	-0.07	0.09	1.33	1.35	2.95	0.84	0.39		1.09	
30	0.65	0.66	0.10	0.00	0.19	0.96	0.55	2.74	1.20	0.35		1.19	
31		0.58		0.01	1.16		0.54		1.26	0.37		1.32	
Mean	0.58	1.21	0.65	0.19	0.20	0.31	0.90	1.30	1.05	0.75	0.94	1.26	
Max	1.86	2.43	1.91	0.68	1.16	1.33	2.18	2.95	2.20	1.59	3.72	3.21	3.72
Min	0.29	0.58	0.09	-0.08	-0.07	-0.06	0.12	0.54	0.57	0.35	0.43	0.78	-0.08
Annual Max Momentary Gage Height	3.82		m. (MSL.) ,				at 01.00 Hours , on Feb 28, 2022						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	-2.21	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, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	26.40	58.80	26.70	12.90	6.30	11.40	32.70	22.20	84.86	48.62	18.90	135.60		
2	17.10	46.99	43.33	9.30	17.70	15.60	38.04	23.10	77.94	57.58	22.20	112.50		
3	15.60	31.50	28.20	10.20	26.70	7.50	41.29	24.00	79.56	60.02	26.10	91.37		
4	16.50	24.60	55.54	12.30	22.50	5.60	37.22	23.10	68.57	50.25	22.20	64.91		
5	17.40	30.90	55.14	8.70	18.90	13.20	32.10	23.70	51.06	58.80	25.80	40.07		
6	19.50	33.90	73.05	9.30	7.80	6.90	21.30	24.00	37.22	42.11	26.70	39.66		
7	18.90	63.28	63.69	9.00	5.20	7.50	18.90	22.80	33.90	33.90	27.60	42.92		
8	21.90	58.39	46.59	10.20	6.30	6.00	35.70	23.70	62.87	34.80	24.00	42.51		
9	42.51	40.48	43.74	14.70	7.50	4.80	39.66	24.00	38.85	32.70	21.30	42.51		
10	19.80	30.00	36.81	19.80	5.20	7.80	28.20	24.60	31.50	28.50	21.30	40.89		
11	15.60	28.80	29.10	24.60	4.60	15.00	19.80	30.00	30.00	26.10	19.80	31.20		
12	15.90	29.10	25.80	26.40	5.80	12.60	16.80	55.14	27.30	27.60	19.50	29.40		
13	35.10	83.64	20.10	19.80	8.40	6.30	12.00	60.43	26.70	26.70	19.20	29.70		
14	42.11	94.50	24.30	18.60	8.40	5.20	9.60	38.85	29.10	24.00	20.70	30.00		
15	71.01	73.46	18.90	16.80	8.70	9.00	13.50	25.20	25.80	21.30	23.10	29.40		
16	34.50	59.21	16.20	18.90	9.60	12.60	12.90	27.00	23.10	21.90	23.70	65.72		
17	29.40	44.55	16.80	15.60	11.10	10.20	17.40	40.89	29.70	24.00	29.70	44.96		
18	31.80	48.21	18.90	10.20	14.70	20.40	15.90	69.79	38.44	27.30	38.04	34.50		
19	15.90	49.44	19.20	10.20	9.30	11.70	20.10	90.56	33.90	23.70	36.00	34.20		
20	18.30	47.40	14.10	9.90	14.70	21.30	15.90	97.00	30.90	22.20	27.60	34.80		
21	23.40	35.10	14.10	10.20	15.60	16.80	25.80	92.59	29.70	22.20	27.30	40.48		
22	14.70	61.65	14.40	9.00	14.70	17.70	34.80	77.53	29.40	22.20	28.50	41.29		
23	17.70	67.76	15.00	8.40	19.50	15.30	49.44	61.65	27.90	21.60	29.70	42.92		
24	24.90	49.84	14.10	8.40	9.60	12.60	82.01	77.12	28.50	20.10	29.10	41.70		
25	19.50	46.59	10.80	7.80	7.80	12.90	84.04	67.35	31.50	20.10	42.11	34.80		
26	15.30	35.10	8.70	7.20	5.80	19.50	76.71	44.96	32.10	20.40	96.50	33.60		
27	15.60	29.40	15.30	5.80	12.00	33.00	83.23	36.81	30.30	20.10	157.20	43.33		
28	15.90	28.80	13.50	4.40	12.00	43.33	80.38	51.47	29.10	19.20	166.20	40.89		
29	15.30	27.00	9.00	4.60	8.70	49.44	50.25	120.50	31.20	17.70		39.66		
30	25.50	25.80	9.00	6.00	11.70	34.80	22.50	110.00	44.14	16.50		43.74		
31		23.40		6.30	42.51		22.20		46.59	17.10		49.03		
Total	713.03	1407.59	800.09	365.50	379.31	465.97	1090.37	1510.04	1221.70	909.28	1070.05	1468.26	11401.19	CMSDAY
Mean	23.77	45.41	26.67	11.79	12.24	15.53	35.17	50.33	39.41	29.33	38.22	47.36	31.24	CMS
Max	71.01	94.50	73.05	26.40	42.51	49.44	84.04	120.50	84.86	60.02	166.20	135.60	166.20	CMS
Min	14.70	23.40	8.70	4.40	4.60	4.80	9.60	22.20	23.10	16.50	18.90	29.40	4.40	CMS
Runoff	61.61	121.62	69.13	31.58	32.77	40.26	94.21	130.47	105.55	78.56	92.45	126.86	985.06	MCM
Momentary Peak	172.50 CMS. at 3.82 m. (MSL.) at 01.00 Hours , on Feb 28, 2022													
Runoff Yield	18.35	Liters/Second/Square KM.		Momentary Peak Yield		101.29	Liters/Second/Square KM.							



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	4.78	9.28	2.38	1.68	5.32	3.16	6.76	16.00	30.15	27.65	5.14	23.54		
2	3.70	6.94	5.14	1.54	5.32	2.24	3.88	8.56	102.18	35.15	4.60	18.20		
3	3.16	5.14	3.52	1.54	3.34	2.10	2.80	7.48	41.96	35.40	4.60	15.20		
4	3.34	4.42	6.76	1.40	2.66	1.82	2.80	7.48	37.40	28.90	5.32	13.20		
5	4.60	4.60	9.82	1.40	2.38	1.96	2.66	5.68	38.40	20.20	4.78	11.80		
6	3.34	5.86	7.66	1.40	2.24	1.68	2.38	5.32	25.52	17.00	4.42	12.80		
7	13.00	8.92	6.22	2.10	1.96	1.54	4.60	9.28	20.60	14.60	4.24	19.00		
8	7.84	6.40	5.68	1.96	1.82	1.54	4.78	6.40	18.00	12.80	4.06	12.40		
9	4.96	5.32	5.50	2.98	1.82	2.80	3.88	5.86	16.20	11.80	4.24	11.20		
10	4.06	4.42	4.06	22.00	1.54	8.74	2.80	11.20	15.40	10.80	4.06	10.00		
11	3.34	4.06	3.70	9.82	1.54	4.96	2.52	16.20	14.60	10.00	3.88	9.64		
12	3.16	3.52	3.70	5.50	1.82	3.16	2.24	27.40	13.20	9.46	3.70	9.10		
13	9.46	3.88	3.34	4.06	1.68	2.66	1.96	20.00	12.20	8.92	3.70	8.56		
14	17.00	3.34	3.16	3.88	1.54	2.80	1.68	13.00	12.00	8.56	3.70	10.40		
15	11.20	2.98	2.80	6.22	1.54	2.52	1.68	10.80	11.20	8.02	6.22	15.00		
16	7.66	2.80	2.98	4.78	1.54	2.38	1.54	9.82	10.40	7.66	5.50	10.20		
17	6.04	3.16	2.98	3.52	1.68	2.10	1.54	16.40	13.60	7.48	14.60	9.10		
18	5.86	2.80	2.80	2.98	1.96	2.10	2.38	51.80	17.60	7.30	10.40	8.38		
19	5.32	2.98	3.34	2.66	3.34	2.24	1.96	64.52	14.20	6.94	6.76	8.02		
20	5.14	4.42	2.66	2.52	6.22	2.10	4.96	40.15	13.40	6.76	6.04	9.28		
21	5.14	3.52	3.16	2.24	3.70	1.82	3.70	24.64	11.40	6.40	6.76	14.80		
22	4.42	7.12	2.52	2.10	2.98	2.98	2.38	19.40	10.60	6.22	6.04	9.82		
23	4.06	5.14	2.24	2.10	2.80	2.80	4.24	19.00	9.82	6.04	5.14	10.00		
24	4.78	3.88	2.52	1.96	2.24	2.10	6.94	28.90	9.28	5.86	5.14	10.20		
25	5.50	3.16	2.24	2.24	2.24	1.82	10.00	19.20	8.56	5.68	10.40	8.92		
26	4.96	2.80	2.10	2.24	2.10	2.66	6.04	16.20	8.20	5.50	59.08	9.46		
27	4.06	2.66	1.96	1.82	2.10	2.38	4.24	18.20	7.84	5.32	99.72	8.02		
28	4.42	2.98	2.24	1.68	1.96	2.66	5.50	35.15	7.48	5.14	38.40	7.12		
29	6.76	2.66	1.96	1.82	1.82	2.98	3.88	72.80	7.30	4.96		8.20		
30	7.12	2.38	1.82	2.52	2.80	11.00	2.98	33.40	16.80	4.78		7.30		
31		2.66		3.34	3.16		6.40		18.80	5.68		6.94		
Total	178.18	134.20	110.96	108.00	79.16	87.80	116.10	640.24	594.29	356.98	340.64	345.80	3092.35	CMSDAY
Mean	5.94	4.33	3.70	3.48	2.55	2.93	3.75	21.34	19.17	11.52	12.17	11.15	8.47	CMS
Max	17.00	9.28	9.82	22.00	6.22	11.00	10.00	72.80	102.18	35.40	99.72	23.54	102.18	CMS
Min	3.16	2.38	1.82	1.40	1.54	1.54	1.54	5.32	7.30	4.78	3.70	6.94	1.40	CMS
Runoff	15.39	11.59	9.59	9.33	6.84	7.59	10.03	55.32	51.35	30.84	29.43	29.88	267.18	MCM
Momentary Peak		167.85	CMS. at 4.67 m. (A.D.) at 02.00 Hours , on Feb 27, 2022											
Runoff Yield		32.97	Liters/Second/Square KM.				Momentary Peak Yield	653.11	Liters/Second/Square KM.					

WATER YEAR : 2021**THALE SAP SONGKHLA****Khlong Tha Khae at Ban Tha Khae , Phatthalung (X.68)**

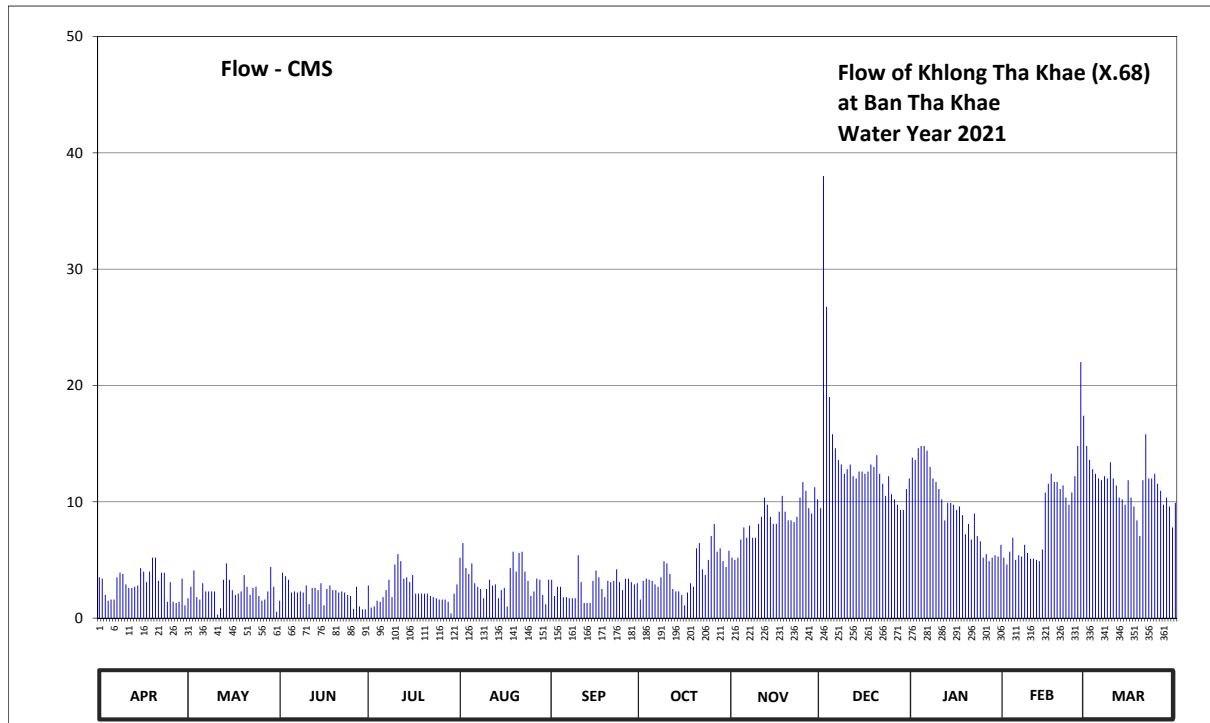
Lat 07 - 34 - 07 N Long 100 - 02 - 55 E

Location : on left bank downstream side of the bridge of Phatthalung - Hat Yai Highway.

	Ban Tha Khae	Amphoe Mueang	Changwat Phatthalung
Drainage Area	233 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	Front of staff.	Elevation	+15.966 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 to date		
Rated by Float	-		
Rated by Current Meter	1967 - 1972 , 1983 to date		
Stability of Channel Regimes	Fairly stable.		
Overbank Flow Conditions	Overbank flow starts at elevation + 15.610 m.(MSL.), records are channel flow only.		
General Description	Records fair. Flow regulated by Tha Khae Weir.		
	Stage-discharge relation defined by 14 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	13.45	13.27	13.25	13.38	13.62	13.43	13.26	13.62	13.93	14.19	13.62	14.24	
2	13.44	13.37	13.49	13.18	13.73	13.29	13.42	13.60	15.26	14.18	13.56	14.18	
3	13.30	13.51	13.46	13.20	13.53	13.37	13.44	13.62	14.81	14.23	13.67	14.14	
4	13.25	13.28	13.43	13.25	13.48	13.37	13.43	13.75	14.45	14.24	13.76	14.12	
5	13.26	13.26	13.32	13.24	13.57	13.28	13.42	13.82	14.29	14.24	13.60	14.10	
6	13.26	13.40	13.33	13.28	13.40	13.28	13.39	13.76	14.23	14.22	13.64	14.09	
7	13.45	13.33	13.32	13.34	13.37	13.27	13.37	13.83	14.18	14.15	13.63	14.11	
8	13.49	13.33	13.33	13.43	13.35	13.27	13.45	13.76	14.16	14.10	13.72	14.10	
9	13.48	13.33	13.32	13.28	13.27	13.27	13.59	13.76	14.12	14.08	13.66	14.17	
10	13.39	13.33	13.38	13.56	13.35	13.64	13.57	13.84	14.14	14.04	13.61	14.10	
11	13.36	13.06	13.22	13.65	13.43	13.41	13.48	13.88	14.16	13.98	13.61	14.06	
12	13.36	13.17	13.36	13.59	13.38	13.23	13.35	13.99	14.11	13.86	13.60	13.99	
13	13.37	13.43	13.36	13.44	13.39	13.23	13.33	13.95	14.10	13.96	13.59	13.98	
14	13.38	13.57	13.34	13.45	13.27	13.23	13.33	13.88	14.13	13.96	13.69	13.95	
15	13.53	13.43	13.40	13.41	13.34	13.42	13.30	13.84	14.13	13.95	14.02	14.09	
16	13.50	13.34	13.21	13.47	13.36	13.51	13.21	13.84	14.12	13.92	14.07	13.99	
17	13.41	13.30	13.35	13.31	13.20	13.45	13.32	13.91	14.13	13.94	14.12	13.94	
18	13.50	13.31	13.38	13.31	13.53	13.35	13.40	14.00	14.16	13.89	14.08	13.86	
19	13.62	13.33	13.34	13.31	13.67	13.28	13.37	13.91	14.15	13.78	14.08	13.77	
20	13.62	13.47	13.34	13.31	13.50	13.42	13.70	13.86	14.20	13.84	14.04	14.09	
21	13.42	13.37	13.32	13.31	13.66	13.41	13.73	13.86	14.12	13.75	14.06	14.29	
22	13.49	13.30	13.33	13.29	13.67	13.42	13.52	13.85	14.07	13.90	13.99	14.10	
23	13.49	13.36	13.32	13.28	13.50	13.52	13.47	13.88	14.00	13.77	13.95	14.10	
24	13.24	13.37	13.30	13.27	13.42	13.41	13.60	13.99	14.11	13.74	14.02	14.12	
25	13.41	13.29	13.29	13.26	13.29	13.34	13.77	14.08	14.01	13.62	14.11	14.07	
26	13.24	13.25	13.16	13.26	13.33	13.44	13.84	14.03	13.98	13.65	14.24	14.03	
27	13.23	13.26	13.37	13.26	13.44	13.44	13.67	13.93	13.95	13.59	14.60	13.95	
28	13.24	13.33	13.20	13.24	13.43	13.41	13.70	13.90	13.92	13.62	14.37	13.99	
29	13.44	13.54	13.15	13.08	13.30	13.39	13.59	14.05	13.92	13.64		13.94	
30	13.21	13.37	13.15	13.31	13.22	13.40	13.54	13.98	14.04	13.63		13.82	
31		13.11		13.39	13.43		13.68		14.10	13.72		13.96	
Mean	13.39	13.33	13.32	13.33	13.43	13.37	13.49	13.87	14.17	13.92	13.88	14.05	
Max	13.62	13.57	13.49	13.65	13.73	13.64	13.84	14.08	15.26	14.24	14.60	14.29	15.26
Min	13.21	13.06	13.15	13.08	13.20	13.23	13.21	13.60	13.92	13.59	13.56	13.77	13.06
Annual Max Momentary Gage Height	16.11		m. (MSL.) ,				at 17.00 Hours ,		on Dec 2, 2021				
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	12.35	m. (MSL.)					
Left Bank Elevation		15.60	m. (MSL.) ,										
Right Bank Elevation		16.25	m. (MSL.) ,			Drainage Are	233	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.50	1.70	1.50	2.80	5.20	3.30	1.60	5.20	9.45	13.80	5.20	14.80		
2	3.40	2.70	3.90	0.90	6.45	1.90	3.20	5.00	38.00	13.60	4.60	13.60		
3	2.00	4.10	3.60	1.00	4.30	2.70	3.40	5.20	26.75	14.60	5.70	12.80		
4	1.50	1.80	3.30	1.50	3.80	2.70	3.30	6.75	19.00	14.80	6.90	12.40		
5	1.60	1.60	2.20	1.40	4.70	1.80	3.20	7.80	15.80	14.80	5.00	12.00		
6	1.60	3.00	2.30	1.80	3.00	1.80	2.90	6.90	14.60	14.40	5.40	11.85		
7	3.50	2.30	2.20	2.40	2.70	1.70	2.70	7.95	13.60	13.00	5.30	12.20		
8	3.90	2.30	2.30	3.30	2.50	1.70	3.50	6.90	13.20	12.00	6.30	12.00		
9	3.80	2.30	2.20	1.80	1.70	1.70	4.90	6.90	12.40	11.70	5.60	13.40		
10	2.90	2.30	2.80	4.60	2.50	5.40	4.70	8.10	12.80	11.10	5.10	12.00		
11	2.60	0.30	1.20	5.50	3.30	3.10	3.80	8.70	13.20	10.20	5.10	11.40		
12	2.60	0.85	2.60	4.90	2.80	1.30	2.50	10.35	12.20	8.40	5.00	10.35		
13	2.70	3.30	2.60	3.40	2.90	1.30	2.30	9.75	12.00	9.90	4.90	10.20		
14	2.80	4.70	2.40	3.50	1.70	1.30	2.30	8.70	12.60	9.90	5.90	9.75		
15	4.30	3.30	3.00	3.10	2.40	3.20	2.00	8.10	12.60	9.75	10.80	11.85		
16	4.00	2.40	1.10	3.70	2.60	4.10	1.10	8.10	12.40	9.30	11.55	10.35		
17	3.10	2.00	2.50	2.10	1.00	3.50	2.20	9.15	12.60	9.60	12.40	9.60		
18	4.00	2.10	2.80	2.10	4.30	2.50	3.00	10.50	13.20	8.85	11.70	8.40		
19	5.20	2.30	2.40	2.10	5.70	1.80	2.70	9.15	13.00	7.20	11.70	7.05		
20	5.20	3.70	2.40	2.10	4.00	3.20	6.00	8.40	14.00	8.10	11.10	11.85		
21	3.20	2.70	2.20	2.10	5.60	3.10	6.45	8.40	12.40	6.75	11.40	15.80		
22	3.90	2.00	2.30	1.90	5.70	3.20	4.20	8.25	11.55	9.00	10.35	12.00		
23	3.90	2.60	2.20	1.80	4.00	4.20	3.70	8.70	10.50	7.05	9.75	12.00		
24	1.40	2.70	2.00	1.70	3.20	3.10	5.00	10.35	12.20	6.60	10.80	12.40		
25	3.10	1.90	1.90	1.60	1.90	2.40	7.05	11.70	10.65	5.20	12.20	11.55		
26	1.40	1.50	0.80	1.60	2.30	3.40	8.10	10.95	10.20	5.50	14.80	10.95		
27	1.30	1.60	2.70	1.60	3.40	3.40	5.70	9.45	9.75	4.90	22.00	9.75		
28	1.40	2.30	1.00	1.40	3.30	3.10	6.00	9.00	9.30	5.20	17.40	10.35		
29	3.40	4.40	0.75	0.40	2.00	2.90	4.90	11.25	9.30	5.40		9.60		
30	1.10	2.70	0.75	2.10	1.20	3.00	4.40	10.20	11.10	5.30		7.80		
31		0.55		2.90	3.30		5.80		12.00	6.30		9.90		
Total	88.30	74.00	65.90	73.10	103.45	81.80	122.60	255.85	422.35	292.20	253.95	349.95	2183.45	CMSDAY
Mean	2.94	2.39	2.20	2.36	3.34	2.73	3.95	8.53	13.62	9.43	9.07	11.29	5.98	CMS
Max	5.20	4.70	3.90	5.50	6.45	5.40	8.10	11.70	38.00	14.80	22.00	15.80	38.00	CMS
Min	1.10	0.30	0.75	0.40	1.00	1.30	1.10	5.00	9.30	4.90	4.60	7.05	0.30	CMS
Runoff	7.63	6.39	5.69	6.32	8.94	7.07	10.59	22.11	36.49	25.25	21.94	30.24	188.65	MCM
Momentary Peak	65.40 CMS. at 16.11 m. (MSL.) at 17.00 Hours, on Dec 2, 2021													
Runoff Yield	25.67	Liters/Second/Square KM.			Momentary Peak Yield			280.69	Liters/Second/Square KM.					

WATER YEAR : 2021**THALE SAP SONGKHLA****Khlong U - Taphao at Ban Bang Sala , Songkhla (X.90)**

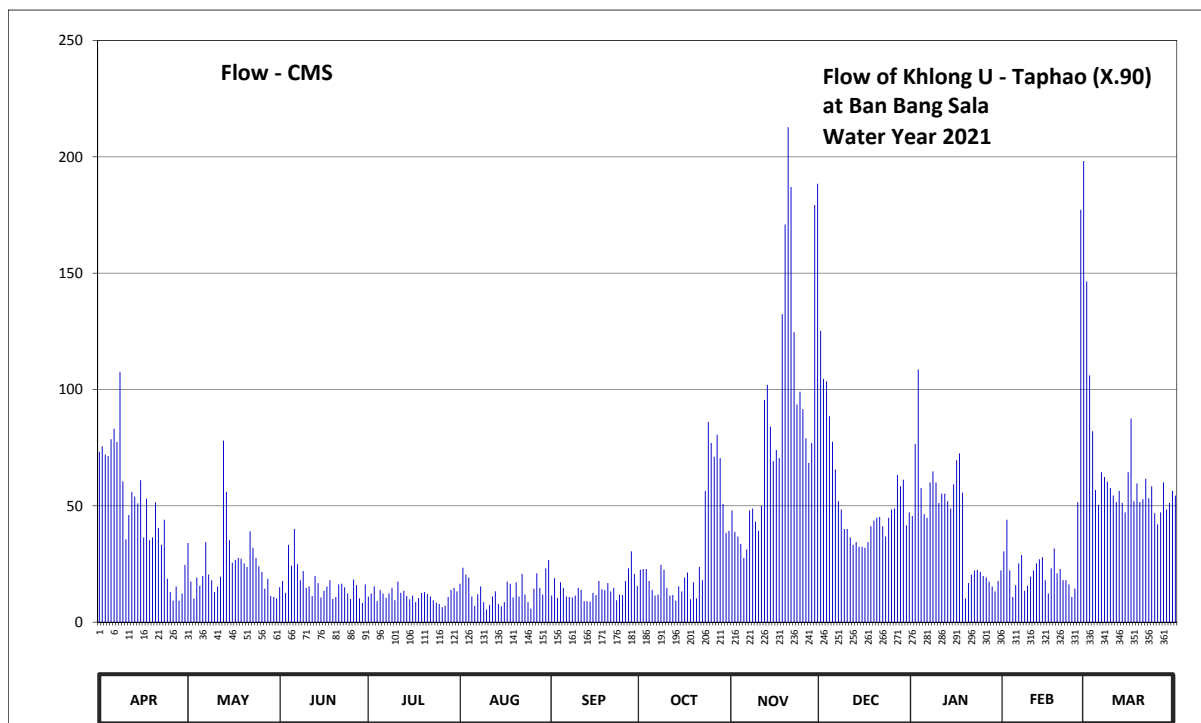
Lat 06 - 55 - 52 N Long 100 - 26 - 24 E

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.				
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	+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 good. Stage-discharge relation defined by 23 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.07	3.30	2.70	2.55	2.75	2.57	2.95	2.85	4.47	2.79	3.21	4.82	
2	4.11	2.78	2.79	2.61	2.98	2.83	2.96	2.62	4.09	3.53	3.52	4.12	
3	4.05	2.51	2.62	2.71	2.88	2.52	2.96	2.57	4.07	4.17	2.94	3.64	
4	4.04	2.84	3.28	2.45	2.84	2.77	2.79	2.49	3.77	3.09	2.54	3.07	
5	4.16	2.72	3.01	2.66	2.55	2.69	2.66	2.34	3.55	2.81	2.73	2.91	
6	4.23	2.86	3.44	2.61	2.35	2.55	2.57	2.43	3.29	2.77	3.04	3.26	
7	4.14	3.31	3.03	2.52	2.60	2.54	2.59	2.85	2.95	3.15	3.16	3.21	
8	4.57	2.88	2.80	2.61	2.71	2.53	3.02	2.87	2.86	3.27	2.65	3.16	
9	3.85	2.80	2.93	2.69	2.43	2.57	2.95	2.73	2.65	3.15	2.72	3.09	
10	3.34	2.63	2.69	2.47	2.27	2.69	2.69	2.63	2.65	2.93	2.85	3.01	
11	3.56	2.71	2.71	2.78	2.37	2.66	2.57	2.90	2.56	3.03	2.94	2.94	
12	3.76	2.85	2.56	2.62	2.55	2.45	2.58	3.91	2.48	3.03	3.04	3.06	
13	3.72	4.15	2.86	2.65	2.64	2.45	2.46	4.04	2.51	2.95	3.10	2.93	
14	3.66	3.76	2.76	2.56	2.39	2.44	2.71	3.68	2.46	2.87	3.13	2.83	
15	3.86	3.33	2.53	2.49	2.34	2.62	2.64	3.38	2.46	3.13	2.80	3.26	
16	3.36	3.05	2.65	2.57	2.43	2.58	2.84	3.48	2.45	3.39	2.61	3.75	
17	3.70	3.09	2.71	2.43	2.78	2.79	2.91	3.41	2.51	3.45	2.97	2.95	
18	3.33	3.12	2.80	2.52	2.75	2.67	2.49	4.59	2.68	3.04	3.24	3.14	
19	3.36	3.11	2.50	2.62	2.53	2.66	2.77	5.17	2.74	2.51	2.90	2.94	
20	3.67	3.04	2.54	2.63	2.77	2.76	2.51	5.73	2.77	2.76	2.96	2.97	
21	3.45	2.99	2.74	2.60	2.55	2.64	2.99	5.40	2.78	2.88	2.80	3.19	
22	3.28	3.42	2.75	2.55	2.89	2.69	2.80	4.46	2.68	2.94	2.80	2.98	
23	3.52	3.25	2.70	2.47	2.59	2.47	3.06	3.87	2.57	2.95	2.74	3.11	
24	2.82	3.12	2.61	2.42	2.43	2.59	3.72	3.98	2.77	2.92	2.54	2.82	
25	2.63	3.00	2.50	2.39	2.29	2.58	3.54	3.83	2.86	2.86	2.68	2.70	
26	2.46	2.92	2.81	2.32	2.68	2.79	3.42	3.58	2.87	2.84	3.67	2.83	
27	2.71	2.68	2.73	2.35	2.90	2.97	3.61	3.36	3.23	2.78	5.26	3.15	
28	2.46	2.82	2.51	2.54	2.69	3.21	3.41	3.54	3.11	2.71	5.56	2.86	
29	2.61	2.56	2.41	2.66	2.59	2.89	2.92	5.29	3.18	2.64		2.93	
30	3.02	2.54	2.74	2.69	2.97	2.72	2.61	5.42	2.69	2.79		3.06	
31		2.51		2.64	3.09		2.63		2.83	2.94		3.01	
Mean	3.52	2.99	2.75	2.56	2.63	2.66	2.88	3.65	2.95	3.00	3.11	3.15	
Max	4.57	4.15	3.44	2.78	3.09	3.21	3.72	5.73	4.47	4.17	5.56	4.82	5.73
Min	2.46	2.51	2.41	2.32	2.27	2.44	2.46	2.34	2.45	2.51	2.54	2.70	2.27
Annual Max Momentary Gage Height	5.91		m. (MSL.) ,				at 16.00 Hours , on Nov 20, 2021						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	-0.75	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	73.20	34.00	15.00	11.00	16.50	11.40	22.50	48.00	125.20	45.60	30.40	146.40		
2	75.60	17.40	17.70	12.30	23.40	18.90	22.80	38.80	104.50	76.50	44.00	106.00		
3	72.00	10.20	12.60	15.30	20.40	10.40	22.80	36.80	103.50	108.50	22.20	82.00		
4	71.40	19.20	33.20	9.00	19.20	17.10	17.70	33.60	88.50	57.60	10.80	56.80		
5	78.60	15.60	24.30	13.80	11.00	14.70	13.80	27.60	77.50	46.40	15.90	50.40		
6	83.15	19.80	40.00	12.30	7.00	11.00	11.40	31.20	65.60	44.80	25.20	64.40		
7	77.40	34.40	24.90	10.40	12.00	10.80	11.80	48.00	52.00	60.00	28.80	62.40		
8	107.52	20.40	18.00	12.30	15.30	10.60	24.60	48.80	48.40	64.80	13.50	60.40		
9	60.50	18.00	21.90	14.70	8.60	11.40	22.50	43.20	40.00	60.00	15.60	57.60		
10	35.60	12.90	14.70	9.40	5.40	14.70	14.70	39.20	40.00	51.20	19.50	54.40		
11	46.00	15.30	15.30	17.40	7.40	13.80	11.40	50.00	36.40	55.20	22.20	51.60		
12	56.00	19.50	11.20	12.60	11.00	9.00	11.60	95.50	33.20	55.20	25.20	56.40		
13	54.00	78.00	19.80	13.50	13.20	9.00	9.20	102.00	34.40	52.00	27.00	51.20		
14	51.00	56.00	16.80	11.20	7.80	8.80	15.30	84.00	32.40	48.80	27.90	47.20		
15	61.00	35.20	10.60	9.80	6.80	12.60	13.20	69.20	32.40	59.20	18.00	64.40		
16	36.40	25.50	13.50	11.40	8.60	11.60	19.20	74.00	32.00	69.60	12.30	87.50		
17	53.00	26.70	15.30	8.60	17.40	17.70	21.30	70.50	34.40	72.50	23.10	52.00		
18	35.20	27.60	18.00	10.40	16.50	14.10	9.80	132.40	41.20	55.60	31.60	59.60		
19	36.40	27.30	10.00	12.60	10.60	13.80	17.10	170.90	43.60	10.20	21.00	51.60		
20	51.50	25.20	10.80	12.90	17.10	16.80	10.20	212.70	44.80	16.80	22.80	52.80		
21	40.50	23.70	16.20	12.00	11.00	13.20	23.70	187.00	45.20	20.40	18.00	61.60		
22	33.20	39.00	16.50	11.00	20.70	14.70	18.00	124.60	41.20	22.20	18.00	53.20		
23	44.00	32.00	15.00	9.40	11.80	9.40	56.40	93.50	36.80	22.50	16.20	58.40		
24	18.60	27.60	12.30	8.40	8.60	11.80	86.00	99.00	44.80	21.60	10.80	46.80		
25	12.90	24.00	10.00	7.80	5.80	11.60	77.00	91.50	48.40	19.80	14.40	42.00		
26	9.20	21.60	18.30	6.40	14.40	17.70	71.00	79.00	48.80	19.20	51.50	47.20		
27	15.30	14.40	15.90	7.00	21.00	23.10	80.50	68.40	63.20	17.40	177.20	60.00		
28	9.20	18.60	10.20	10.80	14.70	30.40	70.50	77.00	58.40	15.30	198.20	48.40		
29	12.30	11.20	8.20	13.80	11.80	20.70	50.80	179.30	61.20	13.20		51.20		

WATER YEAR : 2021**THALE SAP SONGKHLA****Khlong Bang Kaeo at Ban Khuan In No Mo , Phutthalung (X.109)**

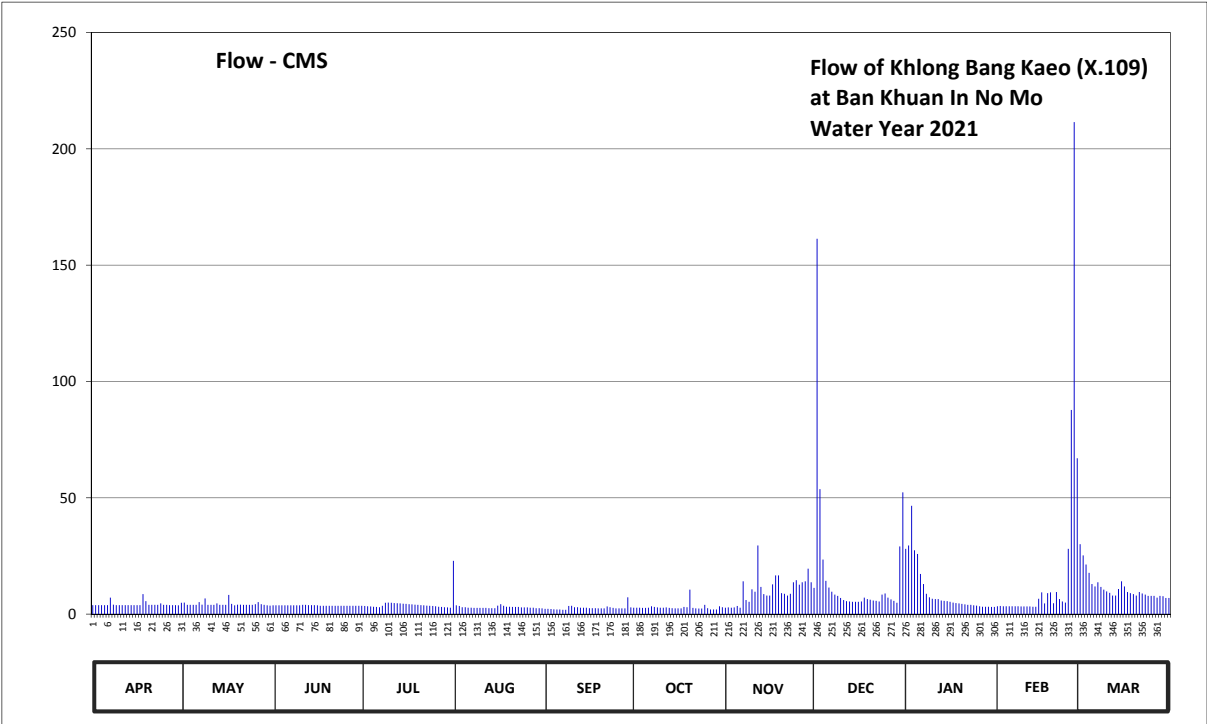
Lat 07 - 20 - 43 N Long 100 - 03 - 24 E

Location : on left bank at Ban Khuan In No Mo.

	Ban	Khuan In No Mo	Amphoe	Ta Mot	Changwat	Phatthalung
Drainage 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 near the Meteorological Station.				Elevation	+32.764 m. (MSL.)
Gage Reading Frequency	5-time daily readings at 06.00, 09.00, 12.00, 15.00 and 18.00 hours.					
Basis of Mean Daily Gage Height	Arithmetic mean of 5 readings					
Period of Available Gage Records	1979 to date.					
Rating Operation						
Period of Rating	1979 to date.					
Rated by Float	-					
Rated by Current Meter	1979 to date.					
Stability of Channel Regimes	Stable.					
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 14 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	26.29	26.39	26.28	26.26	27.57	26.13	26.18	26.18	26.82	27.83	26.24	27.93	
2	26.29	26.40	26.28	26.25	26.28	26.13	26.18	26.19	30.68	27.90	26.25	27.69	
3	26.29	26.30	26.28	26.24	26.25	26.12	26.18	26.18	28.85	28.62	26.24	27.49	
4	26.29	26.30	26.28	26.23	26.20	26.11	26.17	26.19	27.60	27.80	26.24	27.25	
5	26.29	26.30	26.28	26.22	26.20	26.10	26.17	26.25	27.02	27.72	26.24	26.93	
6	26.29	26.30	26.28	26.21	26.18	26.10	26.18	26.18	26.83	27.22	26.24	26.86	
7	26.54	26.41	26.28	26.20	26.18	26.09	26.24	27.01	26.71	26.93	26.24	26.98	
8	26.31	26.31	26.28	26.26	26.17	26.09	26.21	26.47	26.63	26.65	26.24	26.85	
9	26.29	26.52	26.28	26.39	26.17	26.25	26.19	26.42	26.59	26.55	26.23	26.77	
10	26.29	26.30	26.28	26.40	26.17	26.26	26.18	26.78	26.53	26.51	26.23	26.72	
11	26.29	26.30	26.30	26.39	26.17	26.20	26.18	26.71	26.47	26.50	26.23	26.68	
12	26.29	26.30	26.30	26.38	26.17	26.20	26.19	27.90	26.44	26.50	26.23	26.60	
13	26.29	26.36	26.29	26.37	26.16	26.18	26.17	26.85	26.43	26.46	26.22	26.60	
14	26.29	26.30	26.29	26.36	26.16	26.18	26.16	26.64	26.42	26.45	26.22	26.79	
15	26.29	26.30	26.29	26.35	26.16	26.18	26.15	26.60	26.42	26.44	26.51	27.01	
16	26.29	26.30	26.28	26.34	26.27	26.16	26.15	26.60	26.42	26.42	26.69	26.86	
17	26.29	26.62	26.26	26.33	26.33	26.16	26.15	26.92	26.43	26.40	26.36	26.70	
18	26.64	26.34	26.26	26.32	26.26	26.16	26.21	27.18	26.54	26.38	26.67	26.67	
19	26.44	26.28	26.26	26.31	26.22	26.15	26.20	27.18	26.50	26.36	26.69	26.64	
20	26.30	26.31	26.26	26.30	26.22	26.15	26.77	26.67	26.48	26.34	26.37	26.60	
21	26.30	26.31	26.26	26.29	26.21	26.15	26.17	26.65	26.46	26.32	26.70	26.70	
22	26.30	26.30	26.26	26.28	26.21	26.23	26.15	26.60	26.45	26.30	26.50	26.66	
23	26.30	26.30	26.26	26.27	26.21	26.20	26.14	26.65	26.43	26.30	26.43	26.63	
24	26.36	26.30	26.26	26.26	26.19	26.17	26.14	26.98	26.63	26.28	26.40	26.59	
25	26.30	26.30	26.26	26.25	26.19	26.15	26.30	27.04	26.66	26.27	27.83	26.59	
26	26.30	26.33	26.26	26.24	26.19	26.15	26.16	26.91	26.54	26.24	29.63	26.59	
27	26.29	26.41	26.26	26.22	26.18	26.15	26.10	26.98	26.49	26.22	31.25	26.54	
28	26.29	26.33	26.26	26.21	26.18	26.15	26.10	27.01	26.45	26.22	29.20	26.59	
29	26.29	26.30	26.26	26.20	26.16	26.55	26.10	27.37	26.39	26.22		26.58	
30	26.28	26.28	26.26	26.19	26.16	26.19	26.24	26.98		26.21		26.53	
31		26.27		26.18	26.15		26.20		28.81	26.21		26.53	
Mean	26.32	26.33	26.27	26.28	26.24	26.17	26.19	26.74	26.90	26.67	26.80	26.81	
Max	26.64	26.62	26.30	26.40	27.57	26.55	26.77	27.90	30.68	28.62	31.25	27.93	31.25
Min	26.28	26.27	26.26	26.18	26.15	26.09	26.10	26.18	26.39	26.21	26.22	26.53	26.09
Annual Max Momentary Gage Height	31.70		m. (MSL.) ,				at 06.00 Hours , on Feb 27, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	25.68	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, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.90	4.90	3.80	3.60	22.90	2.30	2.80	2.80	11.30	28.10	3.40	30.10		
2	3.90	5.00	3.80	3.50	3.80	2.30	2.80	2.90	161.40	29.50	3.50	25.30		
3	3.90	4.00	3.80	3.40	3.50	2.20	2.80	2.80	53.75	46.60	3.40	21.35		
4	3.90	4.00	3.80	3.30	3.00	2.10	2.70	2.90	23.50	27.50	3.40	17.75		
5	3.90	4.00	3.80	3.20	3.00	2.00	2.70	3.50	14.30	25.90	3.40	12.95		
6	3.90	4.00	3.80	3.10	2.80	2.00	2.80	2.80	11.45	17.30	3.40	11.90		
7	7.10	5.15	3.80	3.00	2.80	1.90	3.40	14.15	9.65	12.95	3.40	13.70		
8	4.10	4.10	3.80	3.60	2.70	1.90	3.10	6.05	8.45	8.75	3.40	11.75		
9	3.90	6.80	3.80	4.90	2.70	3.50	2.90	5.30	7.85	7.25	3.30	10.55		
10	3.90	4.00	3.80	5.00	2.70	3.60	2.80	10.70	6.95	6.65	3.30	9.80		
11	3.90	4.00	4.00	4.90	2.70	3.00	2.80	9.65	6.05	6.50	3.30	9.20		
12	3.90	4.00	4.00	4.80	2.70	3.00	2.90	29.50	5.60	6.50	3.30	8.00		
13	3.90	4.60	3.90	4.70	2.60	2.80	2.70	11.75	5.45	5.90	3.20	8.00		
14	3.90	4.00	3.90	4.60	2.60	2.80	2.60	8.60	5.30	5.75	3.20	10.85		
15	3.90	4.00	3.90	4.50	2.60	2.80	2.50	8.00	5.30	5.60	6.65	14.15		
16	3.90	4.00	3.80	4.40	3.70	2.60	2.50	8.00	5.30	5.30	9.35	11.90		
17	3.90	8.30	3.60	4.30	4.30	2.60	2.50	12.80	5.45	5.00	4.60	9.50		
18	8.60	4.40	3.60	4.20	3.60	2.60	3.10	16.70	7.10	4.80	9.05	9.05		
19	5.60	3.80	3.60	4.10	3.20	2.50	3.00	16.70	6.50	4.60	9.35	8.60		
20	4.00	4.10	3.60	4.00	3.20	2.50	10.55	9.05	6.20	4.40	4.70	8.00		
21	4.00	4.10	3.60	3.90	3.10	2.50	2.70	8.75	5.90	4.20	9.50	9.50		
22	4.00	4.00	3.60	3.80	3.10	3.30	2.50	8.00	5.75	4.00	6.50	8.90		
23	4.00	4.00	3.60	3.70	3.10	3.00	2.40	8.75	5.45	4.00	5.45	8.45		
24	4.60	4.00	3.60	3.60	2.90	2.70	2.40	13.70	8.45	3.80	5.00	7.85		
25	4.00	4.00	3.60	3.50	2.90	2.50	4.00	14.60	8.90	3.70	28.10	7.85		
26	4.00	4.30	3.60	3.40	2.90	2.50	2.60	12.65	7.10	3.40	87.80	7.85		
27	3.90	5.15	3.60	3.20	2.80	2.50	2.00	13.70	6.35	3.20	211.50	7.10		
28	3.90	4.30	3.60	3.10	2.80	2.50	2.00	14.15	5.75	3.20	67.00	7.85		
29	3.90	4.00	3.60	3.00	2.60	7.25	2.00	19.55	4.90	3.20		7.70		
30	3.80	3.80	3.60	2.90	2.60	2.90	3.40	13.70	29.10	3.10		6.95		
31		3.70		2.80	2.50		3.00		52.35	3.10		6.95		
Total	128.00	136.50	111.90	118.00	112.40	82.65	92.95	312.20	506.85	303.75	511.45	349.35	2766.00	CMSDAY
Mean	4.27	4.40	3.73	3.81	3.63	2.76	3.00	10.41	16.35	9.80	18.27	11.27	7.58	CMS
Max	8.60	8.30	4.00	5.00	22.90	7.25	10.55	29.50	161.40	46.60	211.50	30.10	211.50	CMS
Min	3.80	3.70	3.60	2.80	2.50	1.90	2.00	2.80	4.90	3.10	3.20	6.95	1.90	CMS
Runoff	11.06	11.79	9.67	10.20	9.71	7.14	8.03	26.97	43.79	26.24	44.19	30.18	238.98	MCM
Momentary Peak	253.50 CMS. at 31.70 m. (MSL.) at 06.00 Hours , on Feb 27, 2022													
Runoff Yield	62.63	Liters/Second/Square KM.			Momentary Peak Yield			2095.04	Liters/Second/Square KM.					

WATER YEAR : 2021**THALE SAP SONGKHLA****Khlong U - Taphao at Ban Takian Pao , Songkhla (X.112)**

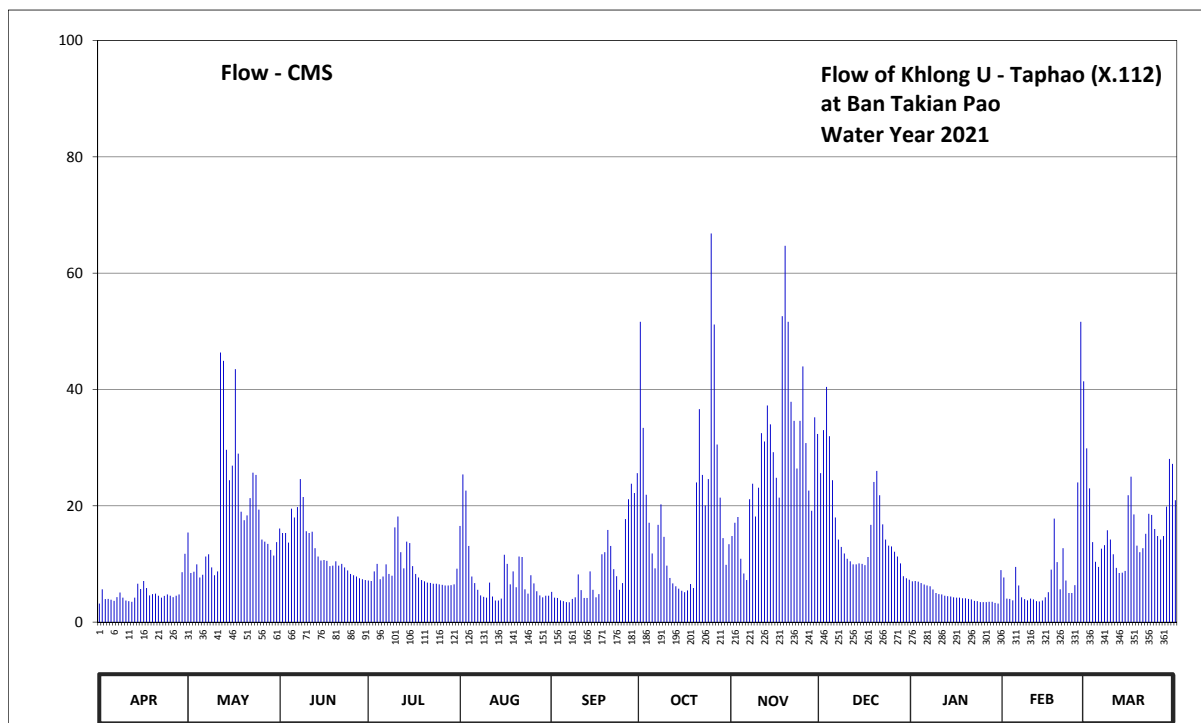
Lat 06 - 42 - 18 N Long 100 - 25 - 59 E

Location : on right bank at Ban Takian Pao.

	Ban	Takian Pao	Amphoe	Sadao	Changwat	Songkhla
Drainage 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	Near the top staff gage.				Elevation	+24.515 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 17 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	20.84	22.72	22.81	21.62	22.86	21.24	24.98	22.64	23.82	21.60	21.69	24.19	
2	21.33	21.79	22.71	21.61	23.80	21.04	24.44	22.92	24.42	21.61	21.01	23.56	
3	20.99	21.82	22.71	21.83	23.52	21.03	23.45	23.03	24.72	21.59	21.00	22.50	
4	21.00	21.99	22.49	22.00	22.41	20.95	22.92	22.12	24.35	21.54	20.95	22.05	
5	20.97	21.69	23.19	21.65	21.71	20.92	22.24	21.78	23.70	21.49	21.93	21.93	
6	20.93	21.75	23.02	21.71	21.54	20.89	21.90	21.63	23.02	21.46	21.46	22.35	
7	21.06	22.17	23.22	21.99	21.31	20.88	22.88	23.37	22.56	21.43	21.05	22.43	
8	21.22	22.22	23.72	21.77	21.12	21.00	23.27	23.64	22.39	21.32	20.99	22.77	
9	21.04	21.92	23.41	21.73	21.07	21.05	22.62	23.04	22.24	21.20	20.95	22.56	
10	20.94	21.74	22.75	22.83	21.04	21.76	21.96	23.57	22.12	21.16	21.01	22.22	
11	20.92	21.83	22.71	23.04	21.56	21.30	21.68	24.39	22.06	21.15	20.98	21.91	
12	20.90	24.87	22.74	22.27	21.08	21.03	21.53	24.28	21.99	21.11	20.92	21.79	
13	21.04	24.84	22.36	21.90	20.94	21.03	21.43	24.62	21.99	21.09	20.91	21.80	
14	21.52	24.17	22.17	22.51	20.94	21.83	21.35	24.47	22.01	21.08	20.94	21.84	
15	21.34	23.70	22.08	22.48	21.01	21.31	21.28	24.14	22.00	21.05	21.05	23.44	
16	21.61	23.95	22.09	21.95	22.21	21.05	21.23	23.74	21.97	21.04	21.23	23.76	
17	21.37	24.81	22.07	21.77	22.00	21.16	21.29	23.40	22.16	21.04	21.87	23.08	
18	21.12	24.12	21.95	21.69	21.50	22.22	21.51	25.00	22.88	21.02	23.00	22.42	
19	21.16	23.13	21.96	21.63	21.83	22.27	21.37	25.21	23.67	21.02	22.04	22.27	
20	21.18	22.97	22.06	21.60	21.40	22.78	23.66	24.98	23.86	21.00	21.33	22.36	
21	21.11	23.06	21.96	21.56	22.17	22.41	24.60	24.64	23.44	20.98	22.36	22.69	
22	21.04	23.39	22.00	21.55	22.16	21.88	23.79	24.50	22.89	20.93	21.62	23.09	
23	21.10	23.83	21.92	21.52	21.33	21.72	23.25	23.90	22.56	20.92	21.20	23.07	
24	21.15	23.79	21.85	21.52	21.18	21.31	23.72	24.50	22.42	20.89	21.20	22.80	
25	21.11	23.17	21.77	21.50	21.74	21.54	25.24	24.82	22.40	20.89	21.47	22.64	
26	21.06	22.56	21.74	21.48	21.53	22.99	24.97	24.26	22.28	20.89	23.66	22.56	
27	21.11	22.51	21.71	21.46	21.26	23.37	24.24	23.52	22.17	20.90	24.98	22.64	
28	21.15	22.46	21.67	21.46	21.12	23.64	23.40	23.15	22.01	20.90	24.75	23.23	
29	21.81	22.32	21.65	21.47	21.05	23.48	22.59	24.53	21.72	20.86		24.05	
30	22.23	22.19	21.63	21.50	21.11	23.82	21.98	24.38	21.67	20.84		23.98	
31		22.50		21.89	21.11		22.45		21.64	21.86		23.35	
Mean	21.18	22.90	22.34	21.82	21.63	21.76	22.81	23.81	22.68	21.16	21.70	22.75	
Max	22.23	24.87	23.72	23.04	23.80	23.82	25.24	25.21	24.72	21.86	24.98	24.19	25.24
Min	20.84	21.69	21.63	21.46	20.94	20.88	21.23	21.63	21.64	20.84	20.91	21.79	20.84
Annual Max Momentary Gage Height	25.35		m. (MSL.) ,				at 16.00 Hours ,	on Oct 25, 2021					
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	19.88	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.20	15.40	16.09	7.15	16.54	5.20	51.64	14.80	25.60	7.00	7.68	29.87		
2	5.65	8.43	15.33	7.08	25.40	4.20	33.40	17.08	33.00	7.08	4.05	23.00		
3	3.95	8.65	15.33	8.73	22.60	4.15	21.90	18.07	40.44	6.95	4.00	13.75		
4	4.00	9.93	13.68	10.00	13.08	3.75	17.08	10.90	31.95	6.70	3.75	10.38		
5	3.85	7.68	19.51	7.38	7.83	3.60	11.80	8.35	24.40	6.45	9.48	9.48		
6	3.65	8.13	17.98	7.83	6.70	3.45	9.25	7.23	17.98	6.30	6.30	12.63		
7	4.30	11.28	19.78	9.93	5.55	3.40	16.72	21.13	14.20	6.15	4.25	13.23		
8	5.10	11.65	24.60	8.28	4.60	4.00	20.23	23.80	12.93	5.60	3.95	15.78		
9	4.20	9.40	21.50	7.98	4.35	4.25	14.65	18.16	11.80	5.00	3.75	14.20		
10	3.70	8.05	15.63	16.27	4.20	8.20	9.70	23.10	10.90	4.80	4.05	11.65		
11	3.60	8.73	15.33	18.16	6.80	5.50	7.60	32.47	10.45	4.75	3.90	9.33		
12	3.50	46.36	15.55	12.03	4.40	4.15	6.65	31.04	9.93	4.55	3.60	8.43		
13	4.20	44.92	12.70	9.25	3.70	4.15	6.15	37.24	9.93	4.45	3.55	8.50		
14	6.60	29.61	11.28	13.83	3.70	8.73	5.75	34.00	10.08	4.40	3.70	8.80		
15	5.70	24.40	10.60	13.60	4.05	5.55	5.40	29.22	10.00	4.25	4.25	21.80		
16	7.08	26.90	10.68	9.63	11.58	4.25	5.15	24.80	9.78	4.20	5.15	25.00		
17	5.85	43.48	10.53	8.28	10.00	4.80	5.45	21.40	11.20	4.20	9.03	18.52		
18	4.60	28.96	9.63	7.68	6.50	11.65	6.55	52.60	16.72	4.10	17.80	13.15		
19	4.80	18.97	9.70	7.23	8.73	12.03	5.85	64.70	24.10	4.10	10.30	12.03		
20	4.90	17.53	10.45	7.00	6.00	15.85	24.00	51.64	26.00	4.00	5.65	12.70		
21	4.55	18.34	9.70	6.80	11.28	13.08	36.60	37.88	21.80	3.90	12.70	15.18		
22	4.20	21.31	10.00	6.75	11.20	9.10	25.30	34.60	16.81	3.65	7.15	18.61		
23	4.50	25.70	9.40	6.60	5.65	7.90	20.05	26.40	14.20	3.60	5.00	18.43		
24	4.75	25.30	8.88	6.60	4.90	5.55	24.60	34.60	13.15	3.45	5.00	16.00		
25	4.55	19.33	8.28	6.50	8.05	6.70	66.80	43.96	13.00	3.45	6.35	14.80		
26	4.30	14.20	8.05	6.40	6.65	17.71	51.16	30.78	12.10	3.45	24.00	14.20		
27	4.55	13.83	7.83	6.30	5.30	21.13	30.52	22.60	11.28	3.50	51.64	14.80		
28	4.75	13.45	7.53	6.30	4.60	23.80	21.40	19.15	10.08	3.50	41.40	19.87		
29	8.58	12.40	7.38	6.35	4.25	22.20	14.43	35.20	7.90	3.30		28.05		
30	11.73	11.43	7.23	6.50	4.55	25.60	9.85	32.34	7.53	3.20		27.20		
31		13.75		9.18	4.55		13.38		7.30	8.95		20.95		
Total	148.89	577.50	380.16	271.60	247.29	273.63	599.01	859.24	496.54	148.98	271.43	500.32	4774.59	CMSDAY
Mean	4.96	18.63	12.67	8.76	7.98	9.12	19.32	28.64	16.02	4.81	9.69	16.14	13.08	CMS
Max	11.73	46.36	24.60	18.16	25.40	25.60	66.80	64.70	40.44	8.95	51.64	29.87	66.80	CMS
Min	3.20	7.68	7.23	6.30	3.70	3.40	5.15	7.23	7.30	3.20	3.55	8.43	3.20	CMS
Runoff	12.86	49.90	32.85	23.47	21.37	23.64	51.75	74.24	42.90	12.87	23.45	43.23	412.52	MCM
Momentary Peak		74.50	CMS. at 25.35 m. (MSL.) at 16.00 Hours , on Oct 25, 2021											
Runoff Yield		24.40	Liters/Second/Square KM.				Momentary Peak Yield	138.99	Liters/Second/Square KM.					

WATER YEAR : 2021**THALE SAP SONGKHLA****Khlong La Pang at Ban Thung Prap , Songkhla (X.113)**

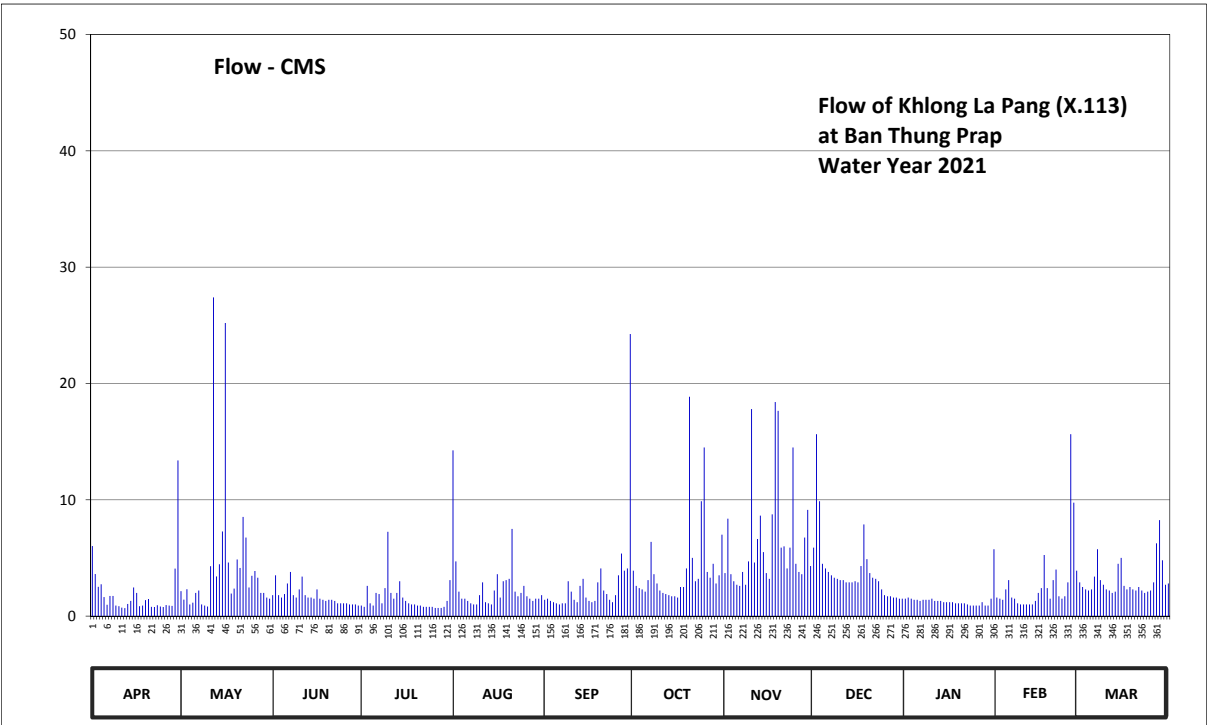
Lat 06 - 38 - 06 N Long 100 - 23 - 36 E

Location : on right bank at Ban Thung Prap.

	Ban Thung Prap	Amphoe Sadao	Changwat Songkhla
Drainage 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	+37.552 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	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 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	33.06	32.32	32.88	32.79	33.94	32.84	33.09	33.07	33.27	32.85	32.86	32.99	
2	32.60	32.18	33.05	32.78	33.17	32.85	32.96	33.47	34.05	32.86	32.85	32.95	
3	32.39	32.35	32.88	32.96	32.91	32.83	32.94	33.06	33.59	32.85	32.84	32.93	
4	32.43	32.10	32.86	32.81	32.85	32.82	32.93	33.00	33.15	32.84	32.93	32.92	
5	32.22	32.13	32.89	32.79	32.85	32.81	32.91	32.97	33.11	32.84	33.01	32.93	
6	32.09	32.29	32.98	32.90	32.83	32.80	33.01	32.96	33.08	32.83	32.86	33.04	
7	32.24	32.33	33.08	32.89	32.81	32.81	33.31	33.08	33.05	32.84	32.85	33.26	
8	32.24	32.10	32.88	32.81	32.80	32.81	33.06	32.97	33.03	32.84	32.81	33.01	
9	32.06	32.06	32.86	32.94	32.80	33.00	32.98	33.17	33.02	32.84	32.80	32.97	
10	32.04	32.03	32.93	33.38	32.88	32.91	32.92	34.22	33.01	32.85	32.80	32.93	
11	31.99	32.73	33.04	32.90	32.99	32.84	32.90	33.16	33.01	32.83	32.80	32.92	
12	31.97	34.82	32.88	32.85	32.82	32.82	32.89	33.33	32.99	32.83	32.80	32.90	
13	32.11	32.56	32.86	32.90	32.81	32.96	32.88	33.49	32.99	32.83	32.80	32.91	
14	32.16	32.76	32.86	33.00	32.80	33.02	32.87	33.24	32.99	32.82	32.83	33.15	
15	32.38	33.27	32.85	32.86	32.92	32.86	32.87	33.07	33.00	32.82	32.90	33.20	
16	32.29	34.71	32.93	32.83	33.06	32.83	32.86	33.02	32.99	32.82	32.94	32.96	
17	32.04	32.79	32.85	32.81	32.86	32.82	32.95	33.50	33.13	32.82	33.22	32.93	
18	32.06	32.28	32.84	32.80	33.00	32.83	32.95	34.26	33.43	32.81	32.94	32.95	
19	32.17	32.36	32.83	32.80	33.01	32.99	33.11	34.21	33.19	32.81	32.85	32.93	
20	32.19	32.84	32.84	32.79	33.02	33.11	34.29	33.27	33.07	32.81	33.01	32.92	
21	32.02	32.70	32.84	32.79	33.40	32.92	33.20	33.28	33.03	32.81	33.10	32.95	
22	32.01	33.43	32.83	32.78	32.91	32.89	33.00	33.11	33.02	32.80	32.87	32.92	
23	32.07	33.20	32.81	32.78	32.87	32.84	33.02	33.27	33.00	32.79	32.85	32.90	
24	32.03	32.38	32.81	32.78	32.90	32.82	33.59	33.96	32.93	32.79	32.87	32.91	
25	32.01	32.57	32.81	32.78	32.96	32.88	33.96	33.15	32.88	32.79	32.99	32.92	
26	32.08	32.65	32.81	32.77	32.87	33.05	33.08	33.08	32.87	32.79	34.05	32.99	
27	32.06	32.54	32.80	32.77	32.85	33.23	33.03	33.06	32.87	32.82	33.58	33.30	
28	32.05	32.90	32.80	32.77	32.83	33.09	33.15	33.34	32.86	32.79	33.09	33.46	
29	32.69	32.90	32.80	32.78	32.85	33.11	32.98	33.53	32.86	32.79		33.18	
30	33.87	32.86	32.79	32.83	32.85	34.65	33.05	33.13	32.85	32.85		32.97	
31		32.85		33.01	32.88		33.36		32.85	33.26		32.98	
Mean	32.25	32.71	32.87	32.85	32.95	32.97	33.10	33.31	33.07	32.84	32.97	33.01	
Max	33.87	34.82	33.08	33.38	33.94	34.65	34.29	34.26	34.05	33.26	34.05	33.46	34.82
Min	31.97	32.03	32.79	32.77	32.80	32.80	32.86	32.96	32.85	32.79	32.80	32.90	31.97
Annual Max Momentary Gage Height	36.42		m. (MSL.) ,				at 02.00 Hours , on May 12, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	31.33	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, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.02	2.15	1.80	0.90	14.25	1.40	3.90	3.70	5.88	1.50	1.60	2.90	
2	3.61	1.42	3.50	0.80	4.70	1.50	2.60	8.38	15.63	1.60	1.50	2.50	
3	2.52	2.31	1.80	2.60	2.10	1.30	2.40	3.60	9.88	1.50	1.40	2.30	
4	2.73	1.00	1.60	1.10	1.50	1.20	2.30	3.00	4.50	1.40	2.30	2.20	
5	1.63	1.16	1.90	0.90	1.50	1.10	2.10	2.70	4.10	1.40	3.10	2.30	
6	0.98	1.99	2.80	2.00	1.30	1.00	3.10	2.60	3.80	1.30	1.60	3.40	
7	1.73	2.20	3.80	1.90	1.10	1.10	6.38	3.80	3.50	1.40	1.50	5.75	
8	1.73	1.00	1.80	1.10	1.00	1.10	3.60	2.70	3.30	1.40	1.10	3.10	
9	0.90	0.90	1.60	2.40	1.00	3.00	2.80	4.70	3.20	1.40	1.00	2.70	
10	0.85	0.83	2.30	7.25	1.80	2.10	2.20	17.80	3.10	1.50	1.00	2.30	
11	0.73	4.29	3.40	2.00	2.90	1.40	2.00	4.60	3.10	1.30	1.00	2.20	
12	0.68	27.40	1.80	1.50	1.20	1.20	1.90	6.63	2.90	1.30	1.00	2.00	
13	1.05	3.41	1.60	2.00	1.10	2.60	1.80	8.63	2.90	1.30	1.00	2.10	
14	1.31	4.45	1.60	3.00	1.00	3.20	1.70	5.50	2.90	1.20	1.30	4.50	
15	2.46	7.28	1.50	1.60	2.20	1.60	1.70	3.70	3.00	1.20	2.00	5.00	
16	1.99	25.20	2.30	1.30	3.60	1.30	1.60	3.20	2.90	1.20	2.40	2.60	
17	0.85	4.61	1.50	1.10	1.60	1.20	2.50	8.75	4.30	1.20	5.25	2.30	
18	0.90	1.94	1.40	1.00	3.00	1.30	2.50	18.40	7.88	1.10	2.40	2.50	
19	1.37	2.36	1.30	1.00	3.10	2.90	4.10	17.65	4.90	1.10	1.50	2.30	
20	1.47	4.87	1.40	0.90	3.20	4.10	18.85	5.88	3.70	1.10	3.10	2.20	
21	0.80	4.14	1.40	0.90	7.50	2.20	5.00	6.00	3.30	1.10	4.00	2.50	
22	0.78	8.52	1.30	0.80	2.10	1.90	3.00	4.10	3.20	1.00	1.70	2.20	
23	0.93	6.75	1.10	0.80	1.70	1.40	3.20	5.88	3.00	0.90	1.50	2.00	
24	0.83	2.46	1.10	0.80	2.00	1.20	9.88	14.50	2.30	0.90	1.70	2.10	
25	0.78	3.46	1.10	0.80	2.60	1.80	14.50	4.50	1.80	0.90	2.90	2.20	
26	0.95	3.88	1.10	0.70	1.70	3.50	3.80	3.80	1.70	0.90	15.63	2.90	
27	0.90	3.30	1.00	0.70	1.50	5.38	3.30	3.60	1.70	1.20	9.75	6.25	
28	0.88	2.00	1.00	0.70	1.30	3.90	4.50	6.75	1.60	0.90	3.90	8.25	
29	4.08	2.00	1.00	0.80	1.50	4.10	2.80	9.13	1.60	0.90		4.80	
30	13.38	1.60	0.90	1.30	1.50	24.25	3.50	4.30	1.50	1.50		2.70	
31		1.50		3.10	1.80		7.00		1.50	5.75		2.80	
Total	59.82	140.38	51.70	47.75	78.35	85.23	130.51	198.48	118.57	42.35	78.13	95.85	1127.12 CMSDAY
Mean	1.99	4.53	1.72	1.54	2.53	2.84	4.21	6.62	3.82	1.37	2.79	3.09	3.09 CMS
Max	13.38	27.40	3.80	7.25	14.25	24.25	18.85	18.40	15.63	5.75	15.63	8.25	27.40 CMS
Min	0.68	0.83	0.90	0.70	1.00	1.00	1.60	2.60	1.50	0.90	1.00	2.00	0.68 CMS
Runoff	5.17	12.13	4.47	4.13	6.77	7.36	11.28	17.15	10.24	3.66	6.75	8.28	97.38 MCM
Momentary Peak	92.20 CMS. at 36.42 m. (MSL.) at 02.00 Hours , on May 12, 2021												
Runoff Yield	26.39	Liters/Second/Square KM.		Momentary Peak Yield		788.03	Liters/Second/Square KM.						

WATER YEAR : 2021**THALE SAP SONGKHLA****Khlong Lam at Ban Khlong Lam , Phatthalung (X.170)**

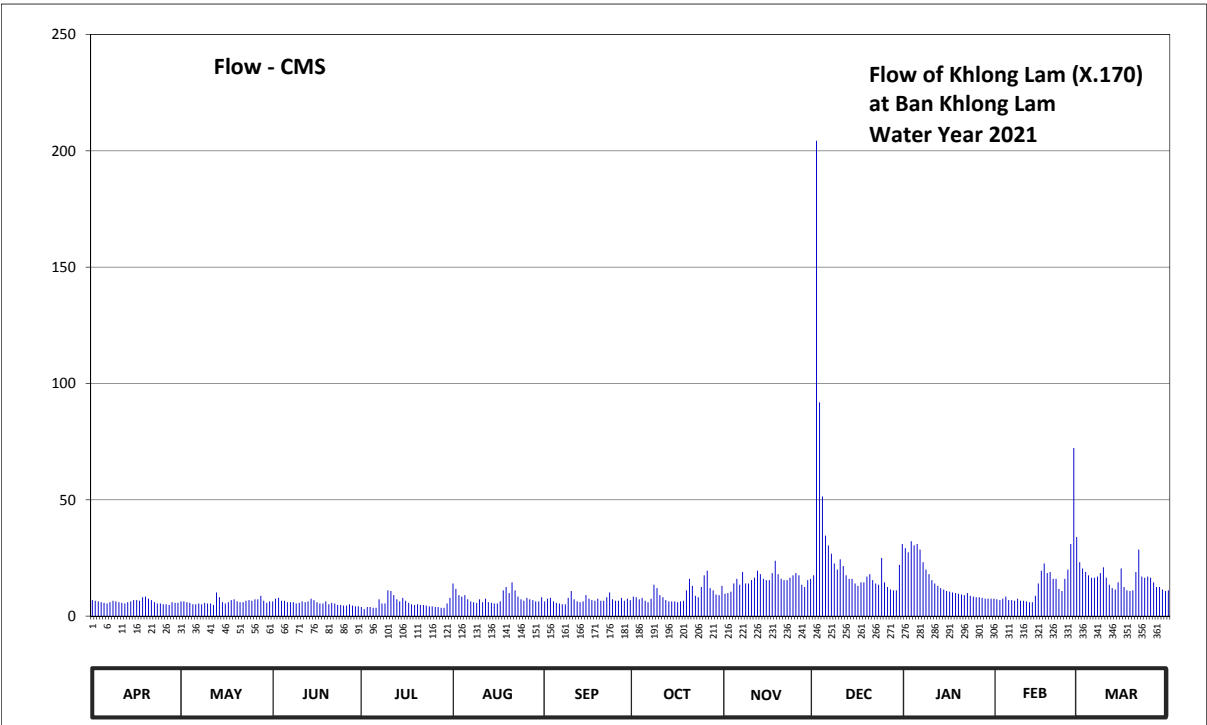
Lat 07 - 33 - 32 N Long 99 - 59 - 15 E

Location : on left bank at the bridge.

	Ban Khlong Lam	Amphoe Srinagarindra	Changwat Phatthalung
Drainage Area	209 sq.km.		
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 of downstream.	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 14 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	20.83	20.81	20.81	20.73	21.04	20.81	20.88	20.92	21.11	21.32	20.84	21.22	
2	20.82	20.81	20.85	20.70	20.99	20.85	20.87	20.93	23.67	21.29	20.83	21.17	
3	20.81	20.80	20.86	20.73	20.90	20.86	20.84	20.95	22.27	21.37	20.85	21.14	
4	20.80	20.79	20.82	20.73	20.88	20.81	20.86	21.04	21.69	21.34	20.88	21.11	
5	20.79	20.77	20.82	20.72	20.90	20.79	20.82	21.08	21.41	21.35	20.83	21.09	
6	20.78	20.77	20.80	20.72	20.84	20.78	20.80	21.03	21.34	21.31	20.83	21.09	
7	20.80	20.78	20.80	20.84	20.81	20.77	20.85	21.14	21.28	21.22	20.82	21.10	
8	20.82	20.77	20.80	20.78	20.80	20.77	21.03	21.04	21.21	21.16	20.85	21.13	
9	20.81	20.79	20.78	20.78	20.79	20.86	21.00	21.04	21.16	21.12	20.82	21.18	
10	20.80	20.78	20.79	20.97	20.84	20.96	20.90	21.07	21.24	21.07	20.82	21.09	
11	20.79	20.78	20.81	20.96	20.80	20.84	20.87	21.09	21.19	21.04	20.81	21.03	
12	20.78	20.76	20.80	20.90	20.85	20.81	20.83	21.15	21.11	21.02	20.80	21.00	
13	20.80	20.94	20.81	20.84	20.80	20.80	20.81	21.12	21.08	21.00	20.80	20.98	
14	20.81	20.87	20.85	20.81	20.79	20.81	20.81	21.08	21.08	20.98	20.89	21.05	
15	20.83	20.80	20.83	20.86	20.78	20.90	20.81	21.07	21.04	20.96	21.04	21.17	
16	20.83	20.78	20.80	20.82	20.78	20.85	20.80	21.07	21.02	20.95	21.15	21.01	
17	20.82	20.80	20.78	20.79	20.81	20.83	20.81	21.13	21.05	20.94	21.21	20.97	
18	20.87	20.83	20.78	20.77	20.97	20.82	20.82	21.23	21.05	20.93	21.13	20.96	
19	20.88	20.84	20.81	20.76	21.01	20.85	20.97	21.12	21.10	20.92	21.14	20.97	
20	20.85	20.81	20.77	20.77	20.93	20.82	21.08	21.08	21.12	20.91	21.08	21.14	
21	20.83	20.80	20.79	20.76	21.05	20.82	21.02	21.07	21.07	20.90	21.08	21.31	
22	20.80	20.80	20.78	20.76	20.97	20.87	20.89	21.07	21.04	20.93	20.99	21.10	
23	20.78	20.82	20.76	20.75	20.88	20.94	20.87	21.09	21.03	20.89	20.96	21.09	
24	20.78	20.83	20.76	20.74	20.84	20.84	21.01	21.11	21.25	20.88	21.08	21.10	
25	20.77	20.82	20.75	20.74	20.82	20.82	21.11	21.13	21.05	20.87	21.16	21.09	
26	20.77	20.84	20.75	20.73	20.86	20.82	21.15	21.11	21.01	20.87	21.35	21.05	
27	20.76	20.84	20.77	20.73	20.84	20.86	21.00	21.03	20.98	20.86	21.99	21.01	
28	20.80	20.89	20.75	20.72	20.83	20.82	20.97	21.01	20.97	20.85	21.40	21.01	
29	20.79	20.82	20.74	20.72	20.81	20.85	20.91	21.07	20.97	20.85		20.98	
30	20.79	20.79	20.74	20.78	20.81	20.83	20.90	21.08	21.20	20.85		20.96	
31		20.81		20.86	20.87		21.02		21.35	20.85		20.97	
Mean	20.81	20.81	20.79	20.78	20.87	20.84	20.91	21.07	21.26	21.03	21.02	21.07	
Max	20.88	20.94	20.86	20.97	21.05	20.96	21.15	21.23	23.67	21.37	21.99	21.31	23.67
Min	20.76	20.76	20.74	20.70	20.78	20.77	20.80	20.92	20.97	20.85	20.80	20.96	20.70
Annual Max Momentary Gage Height	25.67		m. (MSL.) ,				at 11.00 Hours ,						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	19.35	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, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	6.90	6.30	6.30	3.90	14.00	6.30	8.40	9.60	17.50	29.20	7.20	23.20		
2	6.60	6.30	7.50	3.00	11.70	7.50	8.10	9.90	204.30	27.40	6.90	20.50		
3	6.30	6.00	7.80	3.90	9.00	7.80	7.20	10.50	91.90	32.20	7.50	19.00		
4	6.00	5.70	6.60	3.90	8.40	6.30	7.80	14.00	51.40	30.40	8.40	17.50		
5	5.70	5.10	6.60	3.60	9.00	5.70	6.60	16.00	34.60	31.00	6.90	16.50		
6	5.40	5.10	6.00	3.60	7.20	5.40	6.00	13.50	30.40	28.60	6.90	16.50		
7	6.00	5.40	6.00	7.20	6.30	5.10	7.50	19.00	26.80	23.20	6.60	17.00		
8	6.60	5.10	6.00	5.40	6.00	5.10	13.50	14.00	22.60	20.00	7.50	18.50		
9	6.30	5.70	5.40	5.40	5.70	7.80	12.00	14.00	20.00	18.00	6.60	21.00		
10	6.00	5.40	5.70	11.10	7.20	10.80	9.00	15.50	24.40	15.50	6.60	16.50		
11	5.70	5.40	6.30	10.80	6.00	7.20	8.10	16.50	21.50	14.00	6.30	13.50		
12	5.40	4.80	6.00	9.00	7.50	6.30	6.90	19.50	17.50	13.00	6.00	12.00		
13	6.00	10.20	6.30	7.20	6.00	6.00	6.30	18.00	16.00	12.00	6.00	11.40		
14	6.30	8.10	7.50	6.30	5.70	6.30	6.30	16.00	16.00	11.40	8.70	14.50		
15	6.90	6.00	6.90	7.80	5.40	9.00	6.30	15.50	14.00	10.80	14.00	20.50		
16	6.90	5.40	6.00	6.60	5.40	7.50	6.00	15.50	13.00	10.50	19.50	12.50		
17	6.60	6.00	5.40	5.70	6.30	6.90	6.30	18.50	14.50	10.20	22.60	11.10		
18	8.10	6.90	5.40	5.10	11.10	6.60	6.60	23.80	14.50	9.90	18.50	10.80		
19	8.40	7.20	6.30	4.80	12.50	7.50	11.10	18.00	17.00	9.60	19.00	11.10		
20	7.50	6.30	5.10	5.10	9.90	6.60	16.00	16.00	18.00	9.30	16.00	19.00		
21	6.90	6.00	5.70	4.80	14.50	6.60	13.00	15.50	15.50	9.00	16.00	28.60		
22	6.00	6.00	5.40	4.80	11.10	8.10	8.70	15.50	14.00	9.90	11.70	17.00		
23	5.40	6.60	4.80	4.50	8.40	10.20	8.10	16.50	13.50	8.70	10.80	16.50		
24	5.40	6.90	4.80	4.20	7.20	7.20	12.50	17.50	25.00	8.40	16.00	17.00		
25	5.10	6.60	4.50	4.20	6.60	6.60	17.50	18.50	14.50	8.10	20.00	16.50		
26	5.10	7.20	4.50	3.90	7.80	6.60	19.50	17.50	12.50	8.10	31.00	14.50		
27	4.80	7.20	5.10	3.90	7.20	7.80	12.00	13.50	11.40	7.80	72.30	12.50		
28	6.00	8.70	4.50	3.60	6.90	6.60	11.10	12.50	11.10	7.50	34.00	12.50		
29	5.70	6.60	4.20	3.60	6.30	7.50	9.30	15.50	11.10	7.50		11.40		
30	5.70	5.70	4.20	5.40	6.30	6.90	9.00	16.00	22.00	7.50		10.80		
31		6.30		7.80	8.10		13.00		31.00	7.50		11.10		
Total	185.70	196.20	172.80	170.10	250.70	211.80	299.70	471.80	867.50	456.20	419.50	491.00	4193.00	CMSDAY
Mean	6.19	6.33	5.76	5.49	8.09	7.06	9.67	15.73	27.98	14.72	14.98	15.84	11.49	CMS
Max	8.40	10.20	7.80	11.10	14.50	10.80	19.50	23.80	204.30	32.20	72.30	28.60	204.30	CMS
Min	4.80	4.80	4.20	3.00	5.40	5.10	6.00	9.60	11.10	7.50	6.00	10.80	3.00	CMS
Runoff	16.04	16.95	14.93	14.70	21.66	18.30	25.89	40.76	74.95	39.42	36.24	42.42	362.28	MCM
Momentary Peak	435.80 CMS. at 25.67 m. (MSL.) at 11.00 Hours , on Dec 2, 2021													
Runoff Yield	54.96	Liters/Second/Square KM.		Momentary Peak Yield		2085.17	Liters/Second/Square KM.							

WATER YEAR : 2021**THALE SAP SONGKHLA****Khlong U - Taphao at Ban Muang Kong , Songkhla (X.173A)**

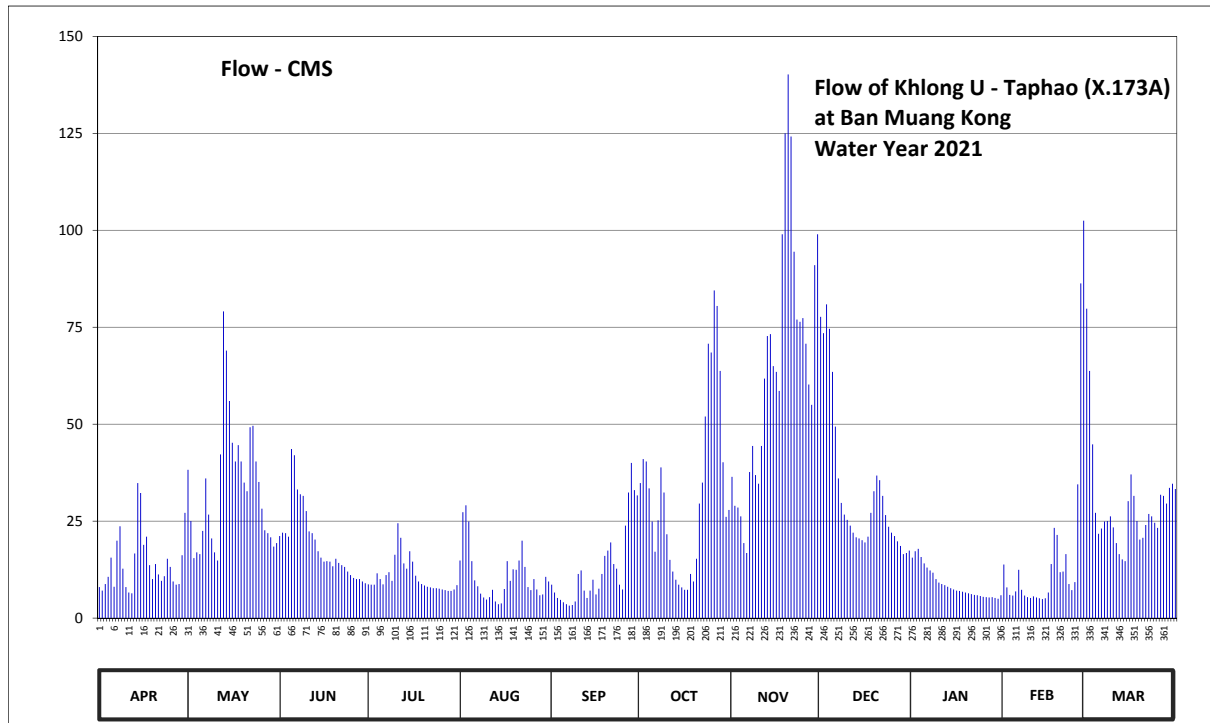
Lat 06 - 49 - 24 N Long 100 - 26 - 18 E

Location : on right bank at the bridge on Hat Yai - Sadao Highway.

	Ban	Muang Kong	Amphoe	Sadao	Changwat	Songkhla
Drainage 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 good. Stage-discharge relation defined by 20 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	10.10	12.15	11.01	10.17	10.59	10.16	11.92	12.03	13.92	10.64	10.52	13.98	
2	10.01	11.27	11.07	10.16	11.42	9.96	12.30	11.53	13.78	10.75	10.09	13.39	
3	10.18	10.63	11.06	10.16	11.54	9.82	12.27	11.50	14.01	10.79	9.90	12.49	
4	10.31	10.73	11.00	10.37	11.26	9.77	11.83	11.35	13.82	10.65	9.88	11.41	
5	10.64	10.70	12.43	10.27	10.58	9.71	11.26	10.89	13.38	10.54	9.99	11.05	
6	10.11	11.10	12.35	10.17	10.25	9.66	10.74	10.72	12.72	10.47	10.43	11.14	
7	10.93	12.00	11.81	10.34	10.12	9.62	11.28	12.11	12.00	10.42	10.03	11.26	
8	11.18	11.38	11.73	10.39	9.93	9.64	12.19	12.47	11.58	10.38	9.88	11.27	
9	10.45	10.97	11.70	10.24	9.83	9.73	11.76	12.06	11.38	10.27	9.84	11.35	
10	10.10	10.73	11.44	10.69	9.78	10.36	11.04	11.91	11.29	10.21	9.82	11.16	
11	9.96	10.59	11.09	11.23	9.84	10.42	10.60	12.47	11.19	10.18	9.86	10.89	
12	9.94	12.36	11.06	10.98	10.03	10.01	10.40	13.31	11.07	10.15	9.83	10.70	
13	10.71	13.96	10.95	10.54	9.73	9.82	10.26	13.75	10.99	10.11	9.81	10.61	
14	11.92	13.60	10.75	10.45	9.66	10.01	10.16	13.77	10.97	10.07	9.79	10.58	
15	11.75	13.05	10.64	10.75	9.68	10.26	10.09	13.44	10.94	10.04	9.81	11.61	
16	10.86	12.51	10.57	10.57	10.05	9.91	10.03	13.38	10.90	10.01	9.96	12.07	
17	11.00	12.27	10.58	10.33	10.58	10.06	10.03	13.18	11.00	10.00	10.53	11.70	
18	10.51	12.48	10.57	10.23	10.24	10.36	10.36	14.40	11.41	9.98	11.15	11.27	
19	10.27	12.27	10.49	10.18	10.44	10.67	10.23	14.75	11.78	9.96	11.03	10.95	
20	10.53	11.93	10.62	10.14	10.43	10.76	10.62	14.94	12.05	9.94	10.39	10.98	
21	10.35	11.78	10.55	10.11	10.59	10.90	11.57	14.74	11.97	9.92	10.40	11.20	
22	10.24	12.71	10.51	10.09	10.93	10.53	11.93	14.31	11.70	9.90	10.70	11.39	
23	10.32	12.73	10.48	10.07	10.48	10.45	12.85	13.90	11.37	9.89	10.18	11.35	
24	10.62	12.27	10.40	10.07	10.10	10.16	13.67	13.88	11.17	9.87	10.02	11.24	
25	10.48	11.94	10.34	10.06	10.02	10.04	13.58	13.91	11.07	9.85	10.22	11.15	
26	10.23	11.48	10.29	10.04	10.27	11.19	14.10	13.67	11.01	9.84	11.90	11.72	
27	10.16	11.11	10.27	10.02	10.04	11.76	14.00	13.25	10.92	9.83	14.14	11.70	
28	10.18	11.06	10.27	10.00	9.89	12.25	13.39	13.00	10.84	9.84	14.45	11.57	
29	10.68	10.99	10.23	10.00	9.91	11.80	12.26	14.24	10.70	9.82		11.84	
30	11.41	10.83	10.20	10.04	10.31	11.71	11.34	14.40	10.72	9.80		11.91	
31		10.89		10.15	10.23		11.46		10.76	9.89		11.82	
Mean	10.54	11.76	10.88	10.29	10.28	10.38	11.60	13.11	11.69	10.13	10.52	11.51	
Max	11.92	13.96	12.43	11.23	11.54	12.25	14.10	14.94	14.01	10.79	14.45	13.98	14.94
Min	9.94	10.59	10.20	10.00	9.66	9.62	10.03	10.72	10.70	9.80	9.79	10.58	9.62
Annual Max Momentary Gage Height	14.97		m. (MSL.) ,				at 01.00 Hours , on Nov 20, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	8.55	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	8.00	38.25	21.15	8.70	14.85	8.60	34.80	36.45	77.70	15.60	13.80	79.80		
2	7.10	25.05	22.05	8.60	27.30	6.60	41.00	28.95	73.50	17.25	7.90	63.75		
3	8.80	15.45	21.90	8.60	29.10	5.20	40.40	28.50	80.90	17.85	6.00	44.80		
4	10.65	16.95	21.00	11.55	24.90	4.70	33.45	26.25	74.60	15.75	5.80	27.15		
5	15.60	16.50	43.60	10.05	14.70	4.10	24.90	19.35	63.50	14.10	6.90	21.75		
6	8.10	22.50	42.00	8.70	9.75	3.60	17.10	16.80	49.40	13.05	12.45	23.10		
7	19.95	36.00	33.15	11.10	8.20	3.20	25.20	37.65	36.00	12.30	7.30	24.90		
8	23.70	26.70	31.95	11.85	6.30	3.40	38.85	44.40	29.70	11.70	5.80	25.05		
9	12.75	20.55	31.50	9.60	5.30	4.30	32.40	36.90	26.70	10.05	5.40	26.25		
10	8.00	16.95	27.60	16.35	4.80	11.40	21.60	34.65	25.35	9.15	5.20	23.40		
11	6.60	14.85	22.35	24.45	5.40	12.30	15.00	44.40	23.85	8.80	5.60	19.35		
12	6.40	42.20	21.90	20.70	7.30	7.10	12.00	61.75	22.05	8.50	5.30	16.50		
13	16.65	79.10	20.25	14.10	4.30	5.20	9.90	72.75	20.85	8.10	5.10	15.15		
14	34.80	69.00	17.25	12.75	3.60	7.10	8.60	73.25	20.55	7.70	4.90	14.70		
15	32.25	56.00	15.60	17.25	3.80	9.90	7.90	65.00	20.10	7.40	5.10	30.15		
16	18.90	45.20	14.55	14.55	7.50	6.10	7.30	63.50	19.50	7.10	6.60	37.05		
17	21.00	40.40	14.70	10.95	14.70	7.60	7.30	58.60	21.00	7.00	13.95	31.50		
18	13.65	44.60	14.55	9.45	9.60	11.40	11.40	99.00	27.15	6.80	23.25	25.05		
19	10.05	40.40	13.35	8.80	12.60	16.05	9.45	125.00	32.70	6.60	21.45	20.25		
20	13.95	34.95	15.30	8.40	12.45	17.40	15.30	140.20	36.75	6.40	11.85	20.70		
21	11.25	32.70	14.25	8.10	14.85	19.50	29.55	124.20	35.55	6.20	12.00	24.00		
22	9.60	49.20	13.65	7.90	19.95	13.95	34.95	94.50	31.50	6.00	16.50	26.85		
23	10.80	49.60	13.20	7.70	13.20	12.75	52.00	77.00	26.55	5.90	8.80	26.25		
24	15.30	40.40	12.00	7.70	8.00	8.60	70.75	76.40	23.55	5.70	7.20	24.60		
25	13.20	35.10	11.10	7.60	7.20	7.40	68.50	77.35	22.05	5.50	9.30	23.25		
26	9.45	28.20	10.35	7.40	10.05	23.85	84.50	70.75	21.15	5.40	34.50	31.80		
27	8.60	22.65	10.05	7.20	7.40	32.40	80.50	60.25	19.80	5.30	86.30	31.50		
28	8.80	21.90	10.05	7.00	5.90	40.00	63.75	55.00	18.60	5.40	102.50	29.55		
29	16.20	20.85	9.45	7.00	6.10	33.00	40.20	91.00	16.50	5.20		33.60		
30	27.15	18.45	9.00	7.40	10.65	31.65	26.10	99.00	16.80	5.00		34.65		
31		19.35		8.50	9.45		27.90		17.40	5.90		33.30		
Total	427.25	1040.00	578.80	330.00	339.20	378.35	992.55	1938.80	1031.30	272.70	456.75	909.70	8695.40	CMSDAY
Mean	14.24	33.55	19.29	10.65	10.94	12.61	32.02	64.63	33.27	8.80	16.31	29.35	23.82	CMS
Max	34.80	79.10	43.60	24.45	29.10	40.00	84.50	140.20	80.90	17.85	102.50	79.80	140.20	CMS
Min	6.40	14.85	9.00	7.00	3.60	3.20	7.30	16.80	16.50	5.00	4.90	14.70	3.20	CMS
Runoff	36.91	89.86	50.01	28.51	29.31	32.69	85.76	167.51	89.10	23.56	39.46	78.60	751.28	MCM
Momentary Peak		142.60	CMS.	at 14.97 m. (MSL.) at 01:00 Hours , on Nov 20, 2021										
Runoff Yield		23.89	Liters/Second/Square KM.			Momentary Peak Yield	143.03		Liters/Second/Square KM.					

WATER YEAR : 2021**THALE SAP SONGKHLA****Khlong Wa at Ban Khlong Wa , Songkhla (X.174)**

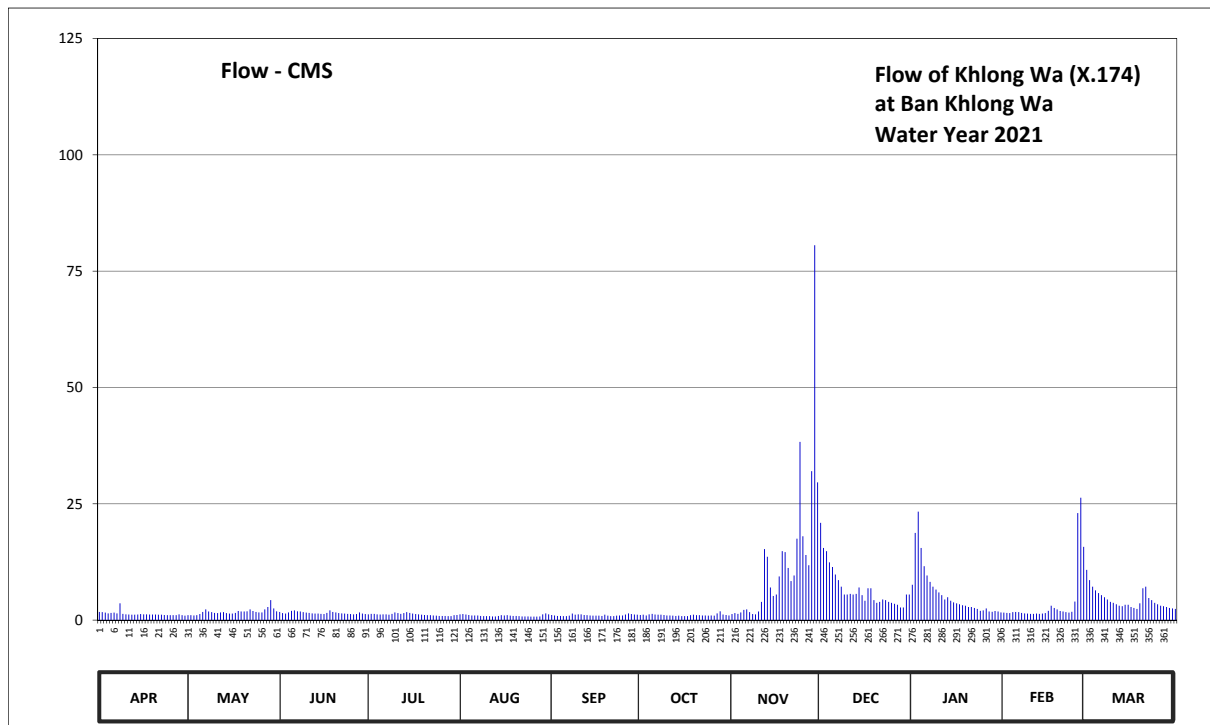
Lat 06 - 59 - 11 N Long 100 - 28 - 55 E

Location : on right bank at the bridge.

	Ban	Khlong Wa	Amphoe	Hat Yai	Changwat	Songkhla
Drainage Area	106	sq.km.				
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	No overbank flow.					
General Description	Records good. Stage-discharge relation defined by 23 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.35	4.21	4.35	4.25	4.25	4.22	4.22	4.26	5.43	4.83	4.32	4.99	
2	4.34	4.21	4.30	4.27	4.26	4.20	4.23	4.30	5.22	5.35	4.31	4.88	
3	4.32	4.20	4.28	4.27	4.24	4.18	4.20	4.27	5.19	5.51	4.30	4.81	
4	4.29	4.21	4.33	4.25	4.22	4.18	4.25	4.33	5.07	5.22	4.34	4.76	
5	4.31	4.26	4.40	4.24	4.20	4.17	4.27	4.42	5.02	5.03	4.35	4.72	
6	4.32	4.35	4.41	4.25	4.20	4.17	4.24	4.43	4.94	4.93	4.34	4.69	
7	4.29	4.43	4.38	4.25	4.20	4.19	4.23	4.34	4.88	4.86	4.31	4.66	
8	4.56	4.37	4.37	4.23	4.18	4.28	4.23	4.26	4.81	4.81	4.29	4.63	
9	4.27	4.34	4.34	4.27	4.17	4.23	4.22	4.25	4.70	4.77	4.28	4.59	
10	4.25	4.31	4.32	4.33	4.17	4.25	4.20	4.37	4.70	4.73	4.27	4.57	
11	4.24	4.30	4.31	4.30	4.17	4.25	4.20	4.59	4.71	4.69	4.27	4.54	
12	4.23	4.33	4.29	4.27	4.16	4.22	4.19	5.21	4.70	4.63	4.28	4.51	
13	4.23	4.34	4.28	4.30	4.16	4.21	4.18	5.13	4.71	4.66	4.27	4.50	
14	4.24	4.30	4.28	4.34	4.18	4.20	4.19	4.80	4.80	4.61	4.28	4.53	
15	4.26	4.28	4.27	4.31	4.21	4.19	4.17	4.68	4.69	4.58	4.30	4.53	
16	4.25	4.28	4.26	4.28	4.20	4.19	4.17	4.70	4.61	4.56	4.40	4.48	
17	4.25	4.31	4.31	4.26	4.21	4.19	4.17	4.92	4.79	4.54	4.51	4.46	
18	4.24	4.39	4.41	4.25	4.19	4.18	4.21	5.19	4.79	4.52	4.46	4.44	
19	4.24	4.37	4.35	4.23	4.18	4.23	4.23	5.18	4.62	4.51	4.43	4.56	
20	4.24	4.37	4.33	4.22	4.18	4.19	4.21	5.01	4.57	4.48	4.39	4.79	
21	4.23	4.38	4.30	4.21	4.17	4.17	4.21	4.87	4.59	4.48	4.37	4.81	
22	4.23	4.43	4.29	4.21	4.16	4.17	4.20	4.93	4.63	4.46	4.34	4.65	
23	4.22	4.39	4.28	4.20	4.16	4.19	4.20	5.30	4.62	4.44	4.32	4.62	
24	4.21	4.35	4.27	4.19	4.16	4.20	4.19	6.01	4.59	4.40	4.36	4.57	
25	4.21	4.33	4.26	4.18	4.15	4.20	4.20	5.32	4.57	4.41	4.60	4.54	
26	4.21	4.33	4.25	4.18	4.15	4.24	4.19	5.15	4.55	4.45	5.50	4.51	
27	4.21	4.43	4.26	4.18	4.15	4.29	4.29	5.04	4.53	4.37	5.61	4.50	
28	4.25	4.48	4.33	4.17	4.16	4.26	4.38	5.80	4.47	4.36	5.23	4.48	
29	4.21	4.62	4.28	4.17	4.25	4.24	4.24	7.09	4.47	4.39		4.46	
30	4.19	4.45	4.26	4.21	4.29	4.23	4.22	5.72	4.70	4.37		4.45	
31		4.38		4.22	4.25		4.20		4.70	4.33		4.44	
Mean	4.26	4.35	4.31	4.24	4.19	4.21	4.22	4.93	4.75	4.65	4.47	4.60	
Max	4.56	4.62	4.41	4.34	4.29	4.29	4.38	7.09	5.43	5.51	5.61	4.99	7.09
Min	4.19	4.20	4.25	4.17	4.15	4.17	4.17	4.25	4.47	4.33	4.27	4.44	4.15
Annual Max Momentary Gage Height	7.75		m. (MSL.) ,				at 07.00 Hours , on Nov 29, 2021						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	3.65	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.75	1.05	1.75	1.25	1.25	1.10	1.10	1.30	20.90	7.60	1.60	10.80	
2	1.70	1.05	1.50	1.35	1.30	1.00	1.15	1.50	15.50	18.75	1.55	8.60	
3	1.60	1.00	1.40	1.35	1.20	0.90	1.00	1.35	14.80	23.30	1.50	7.20	
4	1.45	1.05	1.65	1.25	1.10	0.90	1.25	1.65	12.40	15.50	1.70	6.40	
5	1.55	1.30	2.00	1.20	1.00	0.85	1.35	2.20	11.40	11.60	1.75	5.80	
6	1.60	1.75	2.10	1.25	1.00	0.85	1.20	2.30	9.80	9.60	1.70	5.35	
7	1.45	2.30	1.90	1.25	1.00	0.95	1.15	1.70	8.60	8.20	1.55	4.90	
8	3.60	1.85	1.85	1.15	0.90	1.40	1.15	1.30	7.20	7.20	1.45	4.45	
9	1.35	1.70	1.70	1.35	0.85	1.15	1.10	1.25	5.50	6.55	1.40	3.90	
10	1.25	1.55	1.60	1.65	0.85	1.25	1.00	1.85	5.50	5.95	1.35	3.70	
11	1.20	1.50	1.55	1.50	0.85	1.25	1.00	3.90	5.65	5.35	1.35	3.40	
12	1.15	1.65	1.45	1.35	0.80	1.10	0.95	15.25	5.50	4.45	1.40	3.10	
13	1.15	1.70	1.40	1.50	0.80	1.05	0.90	13.60	5.65	4.90	1.35	3.00	
14	1.20	1.50	1.40	1.70	0.90	1.00	0.95	7.00	7.00	4.15	1.40	3.30	
15	1.30	1.40	1.35	1.55	1.05	0.95	0.85	5.20	5.35	3.80	1.50	3.30	
16	1.25	1.40	1.30	1.40	1.00	0.95	0.85	5.50	4.15	3.60	2.00	2.80	
17	1.25	1.55	1.55	1.30	1.05	0.95	0.85	9.40	6.85	3.40	3.10	2.60	
18	1.20	1.95	2.10	1.25	0.95	0.90	1.05	14.80	6.85	3.20	2.60	2.40	
19	1.20	1.85	1.75	1.15	0.90	1.15	1.15	14.60	4.30	3.10	2.30	3.60	
20	1.20	1.85	1.65	1.10	0.90	0.95	1.05	11.20	3.70	2.80	1.95	6.85	
21	1.15	1.90	1.50	1.05	0.85	0.85	1.05	8.40	3.90	2.80	1.85	7.20	
22	1.15	2.30	1.45	1.05	0.80	0.85	1.00	9.60	4.45	2.60	1.70	4.75	
23	1.10	1.95	1.40	1.00	0.80	0.95	1.00	17.50	4.30	2.40	1.60	4.30	
24	1.05	1.75	1.35	0.95	0.80	1.00	0.95	38.30	3.90	2.00	1.80	3.70	
25	1.05	1.65	1.30	0.90	0.75	1.00	1.00	18.00	3.70	2.10	4.00	3.40	
26	1.05	1.65	1.25	0.90	0.75	1.20	0.95	14.00	3.50	2.50	23.00	3.10	
27	1.05	2.30	1.30	0.90	0.75	1.45	1.45	11.80	3.30	1.85	26.30	3.00	
28	1.25	2.80	1.65	0.85	0.80	1.30	1.90	32.00	2.70	1.80	15.75	2.80	
29	1.05	4.30	1.40	0.85	1.25	1.20	1.20	80.55	2.70	1.95		2.60	
30	0.95	2.50	1.30	1.05	1.45	1.15	1.10	29.60	5.50	1.85		2.50	
31		1.90		1.10	1.25		1.00		5.50	1.65		2.40	
Total	40.25	55.95	46.85	37.45	29.90	31.55	33.65	376.60	210.05	176.50	110.50	135.20	1284.45 CMSDAY
Mean	1.34	1.80	1.56	1.21	0.96	1.05	1.09	12.55	6.78	5.69	3.95	4.36	3.52 CMS
Max	3.60	4.30	2.10	1.70	1.45	1.45	1.90	80.55	20.90	23.30	26.30	10.80	80.55 CMS
Min	0.95	1.00	1.25	0.85	0.75	0.85	0.85	1.25	2.70	1.65	1.35	2.40	0.75 CMS
Runoff	3.48	4.83	4.05	3.24	2.58	2.73	2.91	32.54	18.15	15.25	9.55	11.68	110.98 MCM
Momentary Peak	117.00 CMS. at 7.75 m. (MSL.) at 07.00 Hours , on Nov 29, 2021												
Runoff Yield	33.20	Liters/Second/Square KM.		Momentary Peak Yield		1103.77	Liters/Second/Square KM.						

WATER YEAR : 2021**THALE SAP SONGKHLA****Upper Khlong Wat at Ban Hu Rae , Songkhla (X.240)**

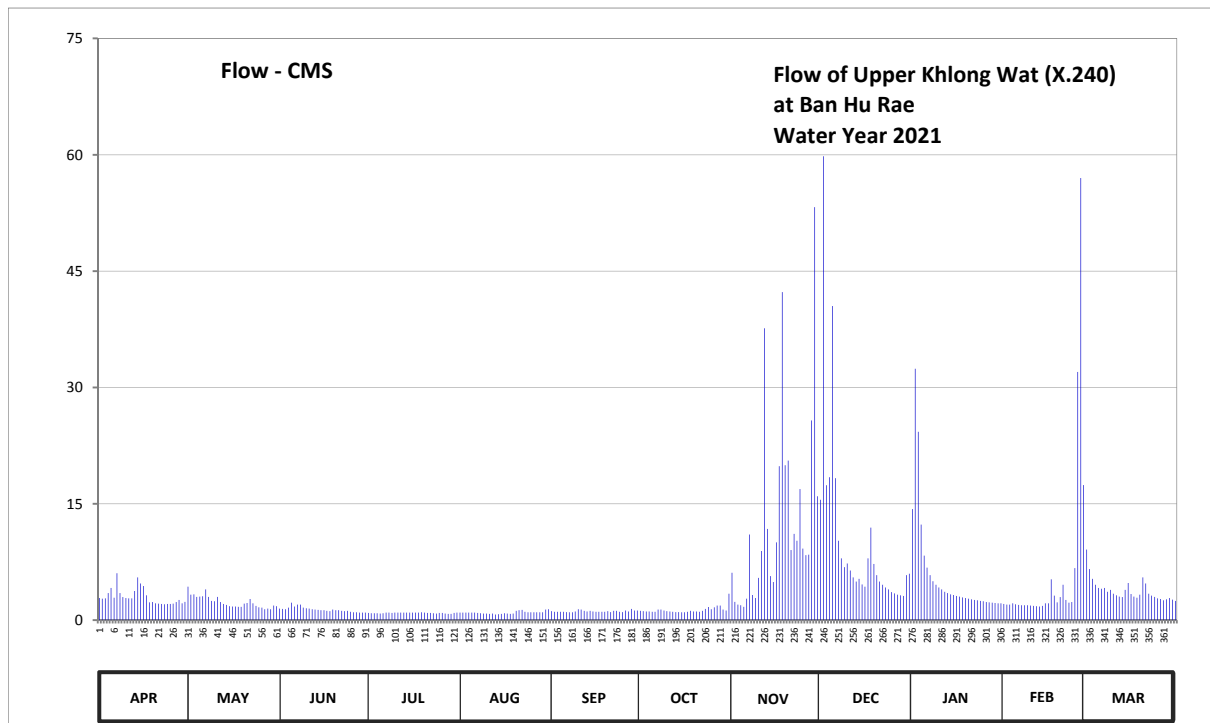
Lat 06 - 58 - 59 N Long 100 - 19 - 42 E

Location : on right bank at the bridge.

	Ban	Hu Rae	Amphoe	Hat Yai	Changwat	Songkhla
Drainage Area	119	sq.km.				
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	+25.224 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 + 21.940 m.(MSL.), records are channel flow only.					
General Description	Records fair. Stage-discharge relation defined by 21 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	18.01	18.34	17.67	17.53	17.54	17.59	17.60	18.65	19.99	19.84	17.82	19.15	
2	17.99	18.12	17.66	17.52	17.54	17.57	17.59	17.89	22.28	21.30	17.80	18.73	
3	18.00	18.13	17.65	17.52	17.54	17.57	17.58	17.80	20.61	20.79	17.80	18.52	
4	18.17	18.05	17.70	17.52	17.54	17.57	17.58	17.78	20.74	19.59	17.84	18.39	
5	18.31	18.06	17.86	17.51	17.54	17.57	17.57	17.73	21.65	19.02	17.81	18.31	
6	18.02	18.07	17.74	17.52	17.54	17.56	17.57	17.99	20.27	18.76	17.79	18.29	
7	18.64	18.27	17.80	17.54	17.53	17.55	17.64	19.43	19.32	18.60	17.78	18.31	
8	18.17	18.05	17.80	17.54	17.52	17.55	17.64	18.11	18.96	18.47	17.78	18.21	
9	18.04	17.92	17.70	17.53	17.51	17.58	17.61	18.01	18.77	18.39	17.78	18.26	
10	18.01	17.91	17.68	17.54	17.51	17.65	17.59	18.54	18.85	18.32	17.77	18.15	
11	18.00	18.05	17.67	17.54	17.50	17.64	17.58	19.12	18.70	18.27	17.76	18.10	
12	18.00	17.88	17.65	17.54	17.51	17.60	17.57	21.54	18.55	18.21	17.75	18.06	
13	18.23	17.82	17.64	17.54	17.48	17.58	17.56	19.52	18.46	18.17	17.74	18.04	
14	18.55	17.79	17.63	17.54	17.49	17.60	17.56	18.58	18.52	18.13	17.76	18.26	
15	18.42	17.75	17.62	17.54	17.50	17.58	17.55	18.45	18.40	18.11	17.84	18.43	
16	18.36	17.74	17.62	17.54	17.52	17.57	17.55	19.29	18.34	18.08	17.84	18.14	
17	18.10	17.74	17.60	17.54	17.51	17.57	17.57	20.42	18.96	18.06	18.51	18.06	
18	17.87	17.73	17.59	17.54	17.50	17.57	17.60	21.71	19.54	18.03	18.09	18.02	
19	17.88	17.73	17.64	17.55	17.51	17.57	17.58	20.43	18.84	18.01	17.87	18.12	
20	17.84	17.83	17.62	17.54	17.60	17.59	17.58	20.48	18.60	17.99	18.04	18.55	
21	17.83	17.85	17.62	17.53	17.62	17.56	17.57	19.14	18.46	17.97	18.39	18.42	
22	17.82	17.98	17.60	17.53	17.63	17.60	17.60	19.44	18.39	17.95	17.95	18.15	
23	17.81	17.84	17.59	17.52	17.57	17.60	17.66	19.32	18.32	17.94	17.86	18.09	
24	17.82	17.76	17.60	17.51	17.55	17.57	17.72	20.13	18.27	17.92	17.88	18.05	
25	17.82	17.71	17.57	17.53	17.55	17.56	17.65	19.17	18.20	17.91	18.75	18.00	
26	17.83	17.70	17.55	17.53	17.55	17.61	17.71	19.03	18.16	17.88	21.28	17.98	
27	17.88	17.65	17.55	17.51	17.55	17.58	17.77	19.04	18.12	17.87	22.20	17.94	
28	17.95	17.67	17.54	17.50	17.55	17.66	17.77	20.89	18.10	17.86	20.18	17.97	
29	17.84	17.65	17.54	17.50	17.55	17.61	17.64	22.75	18.08	17.85		18.01	
30	17.89	17.77	17.54	17.53	17.64	17.61	17.61	20.41	18.60	17.84		17.96	
31		17.75		17.54	17.65		18.15		18.63	17.84		17.92	
Mean	18.04	17.88	17.64	17.53	17.54	17.59	17.63	19.36	19.02	18.42	18.27	18.21	
Max	18.64	18.34	17.86	17.55	17.65	17.66	18.15	22.75	22.28	21.30	22.20	19.15	22.75
Min	17.81	17.65	17.54	17.50	17.48	17.55	17.55	17.73	18.08	17.84	17.74	17.92	17.48
Annual Max Momentary Gage Height	23.45		m. (MSL.) ,				at 02.00 Hours , on Nov 29, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	16.76	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.84	4.30	1.48	0.92	0.96	1.16	1.20	6.10	15.52	14.32	2.08	9.10		
2	2.76	3.28	1.44	0.88	0.96	1.08	1.16	2.36	59.80	32.40	2.00	6.58		
3	2.80	3.32	1.40	0.88	0.96	1.08	1.12	2.00	17.38	24.28	2.00	5.32		
4	3.48	3.00	1.60	0.88	0.96	1.08	1.12	1.92	18.42	12.32	2.16	4.55		
5	4.15	3.04	2.24	0.84	0.96	1.08	1.08	1.72	40.50	8.32	2.04	4.15		
6	2.88	3.08	1.76	0.88	0.96	1.04	1.08	2.76	18.30	6.76	1.96	4.05		
7	6.04	3.95	2.00	0.96	0.92	1.00	1.36	11.04	10.24	5.80	1.92	4.15		
8	3.48	3.00	2.00	0.96	0.88	1.00	1.36	3.24	7.96	5.02	1.92	3.65		
9	2.96	2.48	1.60	0.92	0.84	1.12	1.24	2.84	6.82	4.55	1.92	3.90		
10	2.84	2.44	1.52	0.96	0.84	1.40	1.16	5.44	7.30	4.20	1.88	3.40		
11	2.80	3.00	1.48	0.96	0.80	1.36	1.12	8.92	6.40	3.95	1.84	3.20		
12	2.80	2.32	1.40	0.96	0.84	1.20	1.08	37.62	5.50	3.65	1.80	3.04		
13	3.75	2.08	1.36	0.96	0.72	1.12	1.04	11.76	4.96	3.48	1.76	2.96		
14	5.50	1.96	1.32	0.96	0.76	1.20	1.04	5.68	5.32	3.32	1.84	3.90		
15	4.72	1.80	1.28	0.96	0.80	1.12	1.00	4.90	4.60	3.24	2.16	4.78		
16	4.40	1.76	1.28	0.96	0.88	1.08	1.00	10.03	4.30	3.12	2.16	3.36		
17	3.20	1.76	1.20	0.96	0.84	1.08	1.08	19.84	7.96	3.04	5.26	3.04		
18	2.28	1.72	1.16	0.96	0.80	1.08	1.20	42.30	11.92	2.92	3.16	2.88		
19	2.32	1.72	1.36	1.00	0.84	1.08	1.12	19.96	7.24	2.84	2.28	3.28		
20	2.16	2.12	1.28	0.96	1.20	1.16	1.12	20.56	5.80	2.76	2.96	5.50		
21	2.12	2.20	1.28	0.92	1.28	1.04	1.08	9.04	4.96	2.68	4.55	4.72		
22	2.08	2.72	1.20	0.92	1.32	1.20	1.20	11.12	4.55	2.60	2.60	3.40		
23	2.04	2.16	1.16	0.88	1.08	1.20	1.44	10.24	4.20	2.56	2.24	3.16		
24	2.08	1.84	1.20	0.84	1.00	1.08	1.68	16.90	3.95	2.48	2.32	3.00		
25	2.08	1.64	1.08	0.92	1.00	1.04	1.40	9.22	3.60	2.44	6.70	2.80		
26	2.12	1.60	1.00	0.92	1.00	1.24	1.64	8.38	3.44	2.32	32.00	2.72		
27	2.32	1.40	1.00	0.84	1.00	1.12	1.88	8.44	3.28	2.28	57.00	2.56		
28	2.60	1.48	0.96	0.80	1.00	1.44	1.88	25.75	3.20	2.24	17.40	2.68		
29	2.16	1.40	0.96	0.80	1.00	1.24	1.36	53.25	3.12	2.20		2.84		
30	2.36	1.88	0.96	0.92	1.36	1.24	1.24	15.97	5.80	2.16		2.64		
31		1.80		0.96	1.40		3.40		5.98	2.16		2.48		
Total	90.12	72.25	40.96	28.44	30.16	34.36	40.88	389.30	312.32	176.41	169.91	117.79	1502.90	CMSDAY
Mean	3.00	2.33	1.37	0.92	0.97	1.15	1.32	12.98	10.07	5.69	6.07	3.80	4.12	CMS
Max	6.04	4.30	2.24	1.00	1.40	1.44	3.40	53.25	59.80	32.40	57.00	9.10	59.80	CMS
Min	2.04	1.40	0.96	0.80	0.72	1.00	1.00	1.72	3.12	2.16	1.76	2.48	0.72	CMS
Runoff	7.79	6.24	3.54	2.46	2.61	2.97	3.53	33.64	26.98	15.24	14.68	10.18	129.85	MCM
Momentary Peak	109.75	CMS. at 23.45 m. (MSL.) at 02.00 Hours , on Nov 29, 2021												
Runoff Yield	34.60	Liters/Second/Square KM.				Momentary Peak Yield		922.27	Liters/Second/Square KM.					

WATER YEAR : 2021

THALE SAP SONGKHLA

Khleng Pa Bon at Ban Lo Han , Phatthalung (X.266)

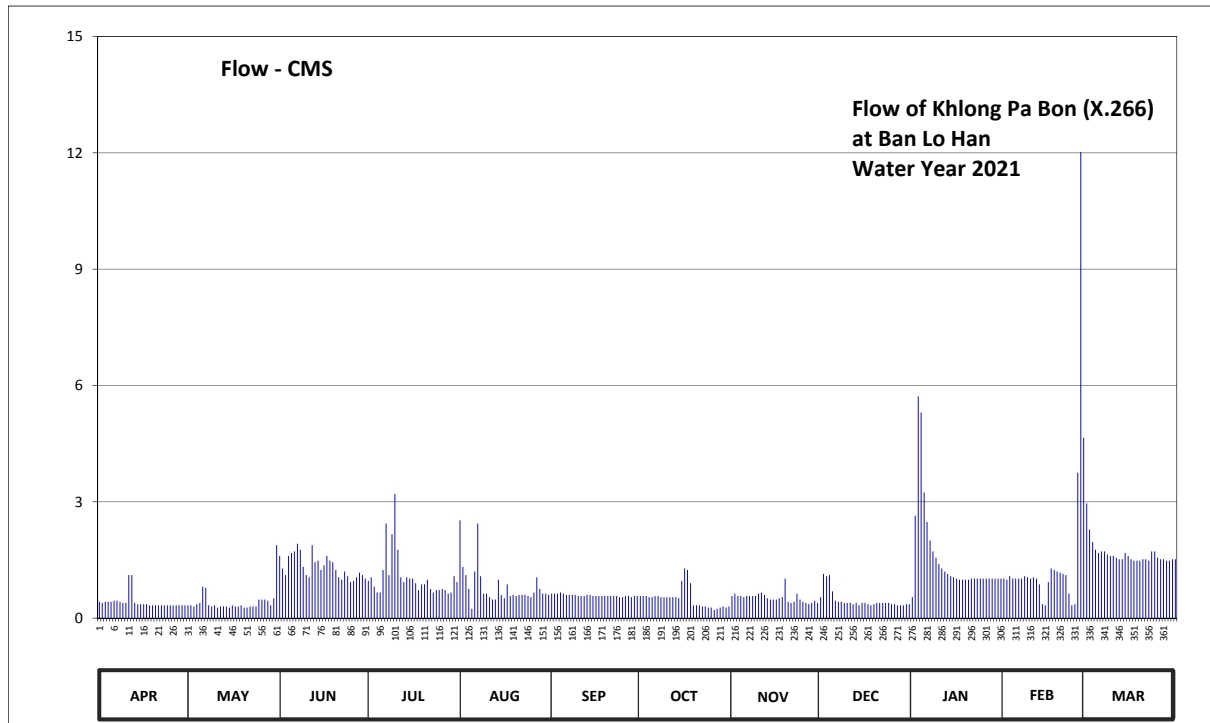
Lat 07 - 11 - 33 N Long 100 - 05 - 50 E

Location : on left bank at Ban Lo Han.

	Ban Lo Han	Amphoe Pa Bon	Changwat Phatthalung
Drainage Area	39 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (A.D.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank near the top staff gage.	Elevation	+7.165 m. (A.D.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic means 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	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records poor. Stage-discharge relation defined by 4 discharge measurements made in 2021.		

Gage Height in Meter (A.D.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	-0.06	-0.09	0.30	0.12	0.53	0.01	-0.01	-0.01	-0.02	-0.02	0.14	0.64	
2	-0.07	-0.09	0.22	0.15	0.23	0.01	-0.01	0.01	0.18	0.56	0.13	0.47	
3	-0.06	-0.10	0.17	0.07	0.17	0.01	-0.01	-0.01	0.16	1.22	0.16	0.39	
4	-0.06	-0.08	0.30	0.02	0.05	0.02	-0.02	-0.01	0.17	1.14	0.14	0.34	
5	-0.06	-0.07	0.32	0.02	-0.12	0.01	-0.02	-0.02	0.03	0.71	0.14	0.32	
6	-0.05	0.07	0.33	0.21	0.20	0.00	-0.01	-0.01	-0.05	0.52	0.14	0.33	
7	-0.05	0.06	0.38	0.51	0.51	0.00	-0.01	-0.01	-0.06	0.40	0.14	0.33	
8	-0.06	-0.09	0.34	0.17	0.16	0.00	-0.02	-0.01	-0.06	0.33	0.16	0.31	
9	-0.07	-0.10	0.23	0.44	0.01	0.00	-0.02	-0.01	-0.07	0.29	0.15	0.30	
10	-0.07	-0.09	0.17	0.70	0.01	-0.01	-0.02	0.01	-0.07	0.25	0.14	0.30	
11	0.17	-0.11	0.15	0.34	-0.02	-0.01	-0.02	0.02	-0.07	0.22	0.15	0.29	
12	0.17	-0.10	0.37	0.15	-0.04	-0.01	-0.02	0.00	-0.08	0.20	0.14	0.28	
13	-0.07	-0.10	0.26	0.11	-0.04	0.00	-0.02	-0.03	-0.07	0.18	0.09	0.28	
14	-0.08	-0.10	0.27	0.15	0.13	0.00	-0.03	-0.04	-0.09	0.16	-0.08	0.32	
15	-0.08	-0.11	0.21	0.14	0.00	-0.01	0.12	-0.04	-0.07	0.15	-0.09	0.30	
16	-0.08	-0.09	0.24	0.14	-0.03	-0.01	0.22	-0.04	-0.07	0.14	0.11	0.28	
17	-0.08	-0.10	0.30	0.10	0.09	-0.01	0.21	-0.03	-0.08	0.13	0.22	0.27	
18	-0.09	-0.10	0.27	0.04	-0.01	-0.01	0.10	-0.02	-0.09	0.13	0.21	0.27	
19	-0.09	-0.09	0.26	0.09	0.00	-0.01	-0.09	0.14	-0.08	0.13	0.20	0.27	
20	-0.09	-0.11	0.21	0.09	-0.01	-0.01	-0.09	-0.06	-0.07	0.13	0.19	0.28	
21	-0.09	-0.11	0.15	0.13	0.00	-0.01	-0.09	-0.07	-0.07	0.14	0.18	0.28	
22	-0.09	-0.10	0.13	0.05	0.00	-0.01	-0.10	-0.06	-0.07	0.14	0.17	0.27	
23	-0.09	-0.10	0.20	0.02	0.00	-0.01	-0.10	0.01	-0.07	0.14	0.01	0.33	
24	-0.09	-0.10	0.16	0.04	-0.01	-0.02	-0.11	-0.04	-0.07	0.14	-0.09	0.33	
25	-0.09	-0.04	0.11	0.04	-0.02	-0.02	-0.11	-0.06	-0.08	0.14	-0.08	0.29	
26	-0.09	-0.04	0.12	0.05	0.02	-0.01	-0.13	-0.07	-0.08	0.14	0.83	0.28	
27	-0.09	-0.04	0.15	0.04	0.15	-0.01	-0.12	-0.08	-0.09	0.14	2.02	0.28	
28	-0.09	-0.05	0.19	0.01	0.05	-0.02	-0.11	-0.07	-0.09	0.14	1.01	0.27	
29	-0.09	-0.09	0.17	0.02	0.01	-0.01	-0.10	-0.05	-0.09	0.14		0.27	
30	-0.09	-0.03	0.14	0.16	0.01	-0.01	-0.11	-0.07	-0.08	0.14		0.28	
31		0.37		0.11	0.00		-0.10		-0.08	0.14		0.28	
Mean	-0.06	-0.06	0.23	0.14	0.07	-0.01	-0.03	-0.02	-0.05	0.27	0.24	0.31	
Max	0.17	0.37	0.38	0.70	0.53	0.02	0.22	0.14	0.18	1.22	2.02	0.64	2.02
Min	-0.09	-0.11	0.11	0.01	-0.12	-0.02	-0.13	-0.08	-0.09	-0.02	-0.09	0.27	-0.13
Annual Max Momentary Gage Height	3.05		m. (A.D.) ,			at 23.00 Hours ,	on Feb 26, 2022						
Zero Gage at Bottom Elevation		0.00	m. (A.D.) ,			River Bed	-0.27	m. (A.D.)					
Left Bank Elevation		4.80	m. (A.D.) ,										
Right Bank Elevation		6.01	m. (A.D.) ,			Drainage Are	39	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.42	0.33	1.60	0.96	2.52	0.63	0.57	0.57	0.54	0.54	1.02	2.96		
2	0.39	0.33	1.28	1.05	1.32	0.63	0.57	0.63	1.14	2.64	0.99	2.28		
3	0.42	0.30	1.11	0.81	1.11	0.63	0.57	0.57	1.08	5.72	1.08	1.96		
4	0.42	0.36	1.60	0.66	0.75	0.66	0.54	0.57	1.11	5.30	1.02	1.76		
5	0.42	0.39	1.68	0.66	0.24	0.63	0.54	0.54	0.69	3.24	1.02	1.68		
6	0.45	0.81	1.72	1.24	1.20	0.60	0.57	0.57	0.45	2.48	1.02	1.72		
7	0.45	0.78	1.92	2.44	2.44	0.60	0.57	0.57	0.42	2.00	1.02	1.72		
8	0.42	0.33	1.76	1.11	1.08	0.60	0.54	0.57	0.42	1.72	1.08	1.64		
9	0.39	0.30	1.32	2.16	0.63	0.60	0.54	0.57	0.39	1.56	1.05	1.60		
10	0.39	0.33	1.11	3.20	0.63	0.57	0.54	0.63	0.39	1.40	1.02	1.60		
11	1.11	0.27	1.05	1.76	0.54	0.57	0.54	0.66	0.39	1.28	1.05	1.56		
12	1.11	0.30	1.88	1.05	0.48	0.57	0.54	0.60	0.36	1.20	1.02	1.52		
13	0.39	0.30	1.44	0.93	0.48	0.60	0.54	0.51	0.39	1.14	0.87	1.52		
14	0.36	0.30	1.48	1.05	0.99	0.60	0.51	0.48	0.33	1.08	0.36	1.68		
15	0.36	0.27	1.24	1.02	0.60	0.57	0.96	0.48	0.39	1.05	0.33	1.60		
16	0.36	0.33	1.36	1.02	0.51	0.57	1.28	0.48	0.39	1.02	0.93	1.52		
17	0.36	0.30	1.60	0.90	0.87	0.57	1.24	0.51	0.36	0.99	1.28	1.48		
18	0.33	0.30	1.48	0.72	0.57	0.57	0.90	0.54	0.33	0.99	1.24	1.48		
19	0.33	0.33	1.44	0.87	0.60	0.57	0.33	1.02	0.36	0.99	1.20	1.48		
20	0.33	0.27	1.24	0.87	0.57	0.57	0.33	0.42	0.39	0.99	1.17	1.52		
21	0.33	0.27	1.05	0.99	0.60	0.57	0.33	0.39	0.39	1.02	1.14	1.52		
22	0.33	0.30	0.99	0.75	0.60	0.57	0.30	0.42	0.39	1.02	1.11	1.48		
23	0.33	0.30	1.20	0.66	0.60	0.57	0.30	0.63	0.39	1.02	0.63	1.72		
24	0.33	0.30	1.08	0.72	0.57	0.54	0.27	0.48	0.39	1.02	0.33	1.72		
25	0.33	0.48	0.93	0.72	0.54	0.54	0.27	0.42	0.36	1.02	0.36	1.56		
26	0.33	0.48	0.96	0.75	0.66	0.57	0.21	0.39	0.36	1.02	3.75	1.52		
27	0.33	0.48	1.05	0.72	1.05	0.57	0.24	0.36	0.33	1.02	12.02	1.52		
28	0.33	0.45	1.17	0.63	0.75	0.54	0.27	0.39	0.33	1.02	4.65	1.48		
29	0.33	0.33	1.11	0.66	0.63	0.57	0.30	0.45	0.33	1.02		1.48		
30	0.33	0.51	1.02	1.08	0.63	0.57	0.27	0.39	0.36	1.02		1.52		
31		1.88		0.93	0.60		0.30		0.36	1.02		1.52		
Total	12.51	13.01	39.87	33.09	25.36	17.52	15.78	15.81	14.31	48.55	43.76	51.32	330.89	CMSDAY
Mean	0.42	0.42	1.33	1.07	0.82	0.58	0.51	0.53	0.46	1.57	1.56	1.66	0.91	CMS
Max	1.11	1.88	1.92	3.20	2.52	0.66	1.28	1.02	1.14	5.72	12.02	2.96	12.02	CMS
Min	0.33	0.27	0.93	0.63	0.24	0.54	0.21	0.36	0.33	0.54	0.33	1.48	0.21	CMS
Runoff	1.08	1.12	3.44	2.86	2.19	1.51	1.36	1.37	1.24	4.19	3.78	4.43	28.59	MCM
Momentary Peak	23.65 CMS. at 3.05 m. (A.D.) at 23.00 Hours , on Feb 26, 2022													
Runoff Yield	23.24 Liters/Second/Square KM.				Momentary Peak Yield 657.69				Liters/Second/Square KM.					

WATER YEAR : 2021**THALE SAP SONGKHLA****Khlong Tha Cheat at Ban Mae Khree , Phatthalung (X.267)**

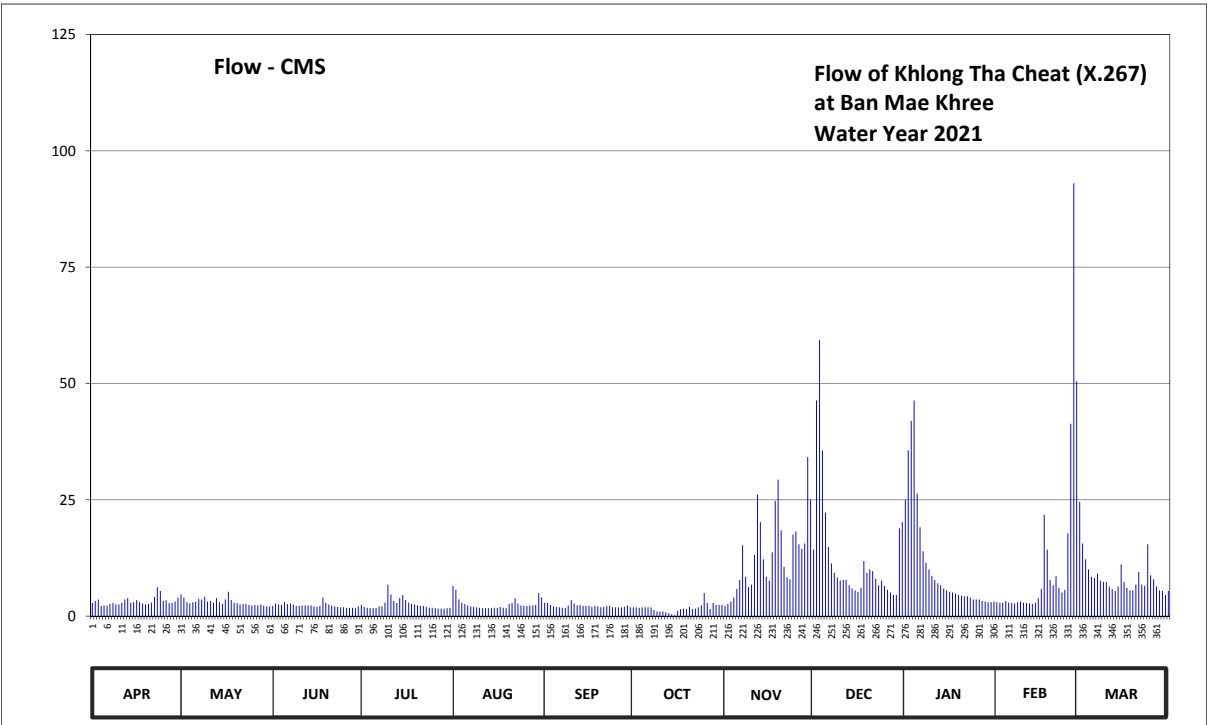
Lat 07 - 20 - 18 N Long 100 - 06 - 36 E

Location : on left bank at Ban Mae Khree.

	Ban	Mae Khree	Amphoe	Tamot	Changwat	Phatthalung
Drainage Area	143	sq.km.				
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 bridge.				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.					
Overbank Flow Conditions	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 14 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	21.98	22.12	21.92	21.94	22.25	21.99	21.89	21.92	22.71	23.20	22.00	23.18	
2	22.02	22.07	21.97	21.90	22.19	21.98	21.89	21.96	23.91	23.58	21.99	22.78	
3	22.04	22.00	21.95	21.88	22.04	21.94	21.88	22.01	24.27	23.78	21.99	22.60	
4	21.92	21.97	21.94	21.87	21.99	21.91	21.89	22.07	23.58	23.91	22.02	22.48	
5	21.93	22.00	22.00	21.87	21.96	21.90	21.89	22.20	23.08	23.25	21.99	22.39	
6	21.93	22.01	21.96	21.87	21.93	21.89	21.89	22.34	22.74	22.94	21.98	22.37	
7	21.96	22.05	21.97	21.91	21.91	21.88	21.89	22.76	22.55	22.69	21.97	22.43	
8	21.98	22.04	21.95	21.91	21.90	21.88	21.83	22.39	22.44	22.56	22.00	22.33	
9	21.95	22.08	21.92	21.99	21.89	21.93	21.80	22.23	22.38	22.48	22.01	22.31	
10	21.95	22.01	21.92	22.27	21.88	22.03	21.80	22.27	22.33	22.40	21.99	22.31	
11	21.98	22.02	21.93	22.12	21.87	21.97	21.80	22.65	22.34	22.34	21.98	22.24	
12	22.04	21.99	21.93	22.02	21.87	21.93	21.78	23.24	22.34	22.29	21.97	22.20	
13	22.06	22.06	21.93	21.98	21.87	21.94	21.76	22.99	22.26	22.26	21.96	22.17	
14	21.99	22.00	21.93	22.06	21.87	21.92	21.74	22.60	22.21	22.21	21.98	22.24	
15	22.00	21.96	21.91	22.11	21.88	21.92	21.72	22.39	22.18	22.18	22.06	22.54	
16	22.03	22.04	21.90	22.03	21.88	21.92	21.81	22.33	22.16	22.16	22.20	22.31	
17	22.00	22.16	21.92	21.99	21.90	21.90	21.85	22.68	22.22	22.15	23.06	22.22	
18	21.97	22.03	22.07	21.96	21.88	21.92	21.86	23.19	22.58	22.13	22.71	22.18	
19	21.95	21.99	21.99	21.95	21.87	21.91	21.85	23.36	22.44	22.11	22.34	22.18	
20	21.96	21.98	21.95	21.93	21.96	21.89	21.90	22.91	22.48	22.10	22.26	22.27	
21	21.99	21.95	21.93	21.92	21.98	21.90	21.85	22.51	22.46	22.09	22.40	22.45	
22	22.08	21.96	21.91	21.92	22.06	21.92	21.86	22.38	22.36	22.09	22.22	22.27	
23	22.23	21.96	21.90	21.90	21.97	21.92	21.89	22.35	22.26	22.07	22.15	22.25	
24	22.17	21.94	21.89	21.88	21.93	21.89	21.93	22.87	22.33	22.04	22.19	22.77	
25	22.02	21.93	21.89	21.88	21.92	21.89	22.14	22.90	22.25	22.04	22.88	22.41	
26	22.03	21.94	21.88	21.87	21.92	21.89	21.98	22.77	22.19	22.04	23.76	22.35	
27	21.98	21.93	21.88	21.86	21.93	21.89	21.85	22.72	22.15	22.02	25.04	22.24	
28	21.98	21.95	21.88	21.86	21.93	21.90	21.98	22.78	22.11	22.01	24.03	22.18	
29	22.01	21.92	21.87	21.86	21.94	21.93	21.94	23.53	22.11	22.00		22.17	
30	22.07	21.91	21.91	21.87	22.14	21.89	21.94	23.20	22.93	22.00		22.11	
31		21.91		21.88	22.07		21.94		22.99	22.01		22.17	
Mean	22.01	22.00	21.93	21.94	21.95	21.92	21.87	22.62	22.56	22.42	22.40	22.36	
Max	22.23	22.16	22.07	22.27	22.25	22.03	22.14	23.53	24.27	23.91	25.04	23.18	25.04
Min	21.92	21.91	21.87	21.86	21.87	21.88	21.72	21.92	22.11	22.00	21.96	22.11	21.72
Annual Max Momentary Gage Height	25.29		m. (MSL.) ,				at 09.00 Hours , on Feb 27, 2022						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	21.40	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, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.80	4.68	2.20	2.40	6.50	2.90	1.90	2.20	14.29	25.00	3.00	24.54	
2	3.28	3.98	2.70	2.00	5.66	2.80	1.90	2.60	46.34	35.62	2.90	15.62	
3	3.56	3.00	2.50	1.80	3.56	2.40	1.80	3.14	59.26	41.96	2.90	12.20	
4	2.20	2.70	2.40	1.70	2.90	2.10	1.90	3.98	35.62	46.34	3.28	10.04	
5	2.30	3.00	3.00	1.70	2.60	2.00	1.90	5.80	22.24	26.35	2.90	8.46	
6	2.30	3.14	2.60	1.70	2.30	1.90	1.90	7.76	14.86	19.08	2.80	8.18	
7	2.60	3.70	2.70	2.10	2.10	1.80	1.90	15.24	11.30	13.91	2.70	9.14	
8	2.80	3.56	2.50	2.10	2.00	1.80	1.30	8.46	9.32	11.48	3.00	7.62	
9	2.50	4.12	2.20	2.90	1.90	2.30	1.00	6.22	8.32	10.04	3.14	7.34	
10	2.50	3.14	2.20	6.78	1.80	3.42	1.00	6.78	7.62	8.60	2.90	7.34	
11	2.80	3.28	2.30	4.68	1.70	2.70	1.00	13.15	7.76	7.76	2.80	6.36	
12	3.56	2.90	2.30	3.28	1.70	2.30	0.80	26.08	7.76	7.06	2.70	5.80	
13	3.84	3.84	2.30	2.80	1.70	2.40	0.60	20.18	6.64	6.64	2.60	5.38	
14	2.90	3.00	2.30	3.84	1.70	2.20	0.40	12.20	5.94	5.94	2.80	6.36	
15	3.00	2.60	2.10	4.54	1.80	2.20	0.20	8.46	5.52	5.52	3.84	11.12	
16	3.42	3.56	2.00	3.42	1.80	2.20	1.10	7.62	5.24	5.24	5.80	7.34	
17	3.00	5.24	2.20	2.90	2.00	2.00	1.50	13.72	6.08	5.10	21.78	6.08	
18	2.70	3.42	3.98	2.60	1.80	2.20	1.60	24.77	11.84	4.82	14.29	5.52	
19	2.50	2.90	2.90	2.50	1.70	2.10	1.50	29.32	9.32	4.54	7.76	5.52	
20	2.60	2.80	2.50	2.30	2.60	1.90	2.00	18.42	10.04	4.40	6.64	6.78	
21	2.90	2.50	2.30	2.20	2.80	2.00	1.50	10.58	9.68	4.26	8.60	9.50	
22	4.12	2.60	2.10	2.20	3.84	2.20	1.60	8.32	8.04	4.26	6.08	6.78	
23	6.22	2.60	2.00	2.00	2.70	2.20	1.90	7.90	6.64	3.98	5.10	6.50	
24	5.38	2.40	1.90	1.80	2.30	1.90	2.30	17.54	7.62	3.56	5.66	15.43	
25	3.28	2.30	1.90	1.80	2.20	1.90	4.96	18.20	6.50	3.56	17.76	8.78	
26	3.42	2.40	1.80	1.70	2.20	1.90	2.80	15.43	5.66	3.56	41.32	7.90	
27	2.80	2.30	1.80	1.60	2.30	1.90	1.50	14.48	5.10	3.28	93.00	6.36	
28	2.80	2.50	1.80	1.60	2.30	2.00	2.80	15.62	4.54	3.14	50.48	5.52	
29	3.14	2.20	1.70	1.60	2.40	2.30	2.40	34.17	4.54	3.00		5.38	
30	3.98	2.10	2.10	1.70	4.96	1.90	2.40	25.00	18.86	3.00		4.54	
31		2.10		1.80	3.98		2.40		20.18	3.14		5.38	
Total	95.20	94.56	69.28	78.04	81.80	65.82	53.76	403.34	402.67	334.14	328.53	258.81	2265.95 CMSDAY
Mean	3.17	3.05	2.31	2.52	2.64	2.19	1.73	13.44	12.99	10.78	11.73	8.35	6.21 CMS
Max	6.22	5.24	3.98	6.78	6.50	3.42	4.96	34.17	59.26	46.34	93.00	24.54	93.00 CMS
Min	2.20	2.10	1.70	1.60	1.70	1.80	0.20	2.20	4.54	3.00	2.60	4.54	0.20 CMS
Runoff	8.23	8.17	5.99	6.74	7.07	5.69	4.64	34.85	34.79	28.87	28.38	22.36	195.78 MCM
Momentary Peak	106.40 CMS. at 25.29 m. (MSL.) at 09.00 Hours , on Feb 27, 2022												
Runoff Yield	43.41	Liters/Second/Square KM.		Momentary Peak Yield		744.06	Liters/Second/Square KM.						

WATER YEAR : 2021**THALE SAP SONGKHLA****Upper Khlong Tha Nae at Ban Khao Pu , Phatthalung (X.276)**

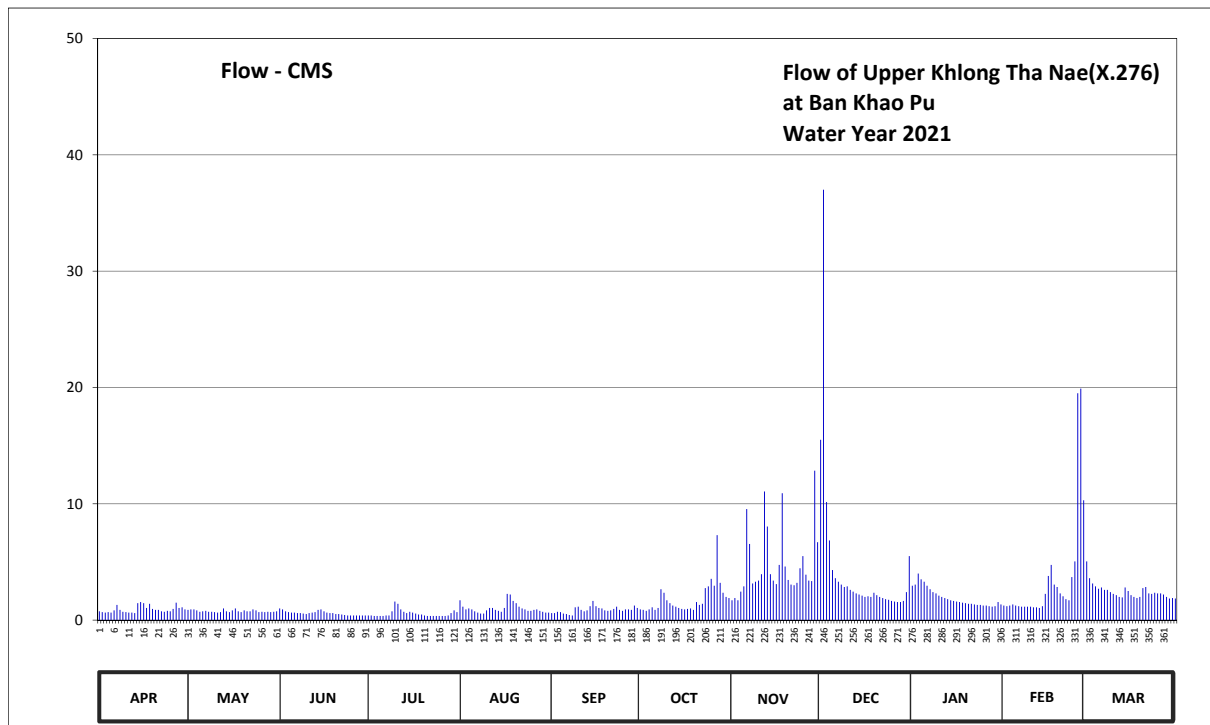
Lat 07 - 42 - 26 N Long 99 - 50 - 30 E

Location : on right bank at the bridge.

	Ban	Khao Pu	Amphoe	Si Banphot	Changwat	Phatthalung
Drainage Area	53	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 building.				Elevation	+55.054 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 + 53.880 m.(MSL.), records are channel flow only.					
General Description	Records fair. Stage-discharge relation defined by 14 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	50.34	50.37	50.40	50.25	50.54	50.30	50.38	50.54	51.75	50.79	50.45	51.07	
2	50.32	50.38	50.38	50.25	50.43	50.30	50.37	50.58	52.72	50.81	50.44	50.92	
3	50.31	50.38	50.34	50.24	50.38	50.33	50.35	50.54	51.41	51.00	50.45	50.83	
4	50.32	50.36	50.32	50.24	50.40	50.32	50.38	50.69	51.19	50.90	50.47	50.78	
5	50.31	50.33	50.31	50.24	50.38	50.29	50.42	50.78	51.02	50.86	50.45	50.74	
6	50.36	50.34	50.31	50.24	50.34	50.28	50.37	51.37	50.92	50.79	50.44	50.76	
7	50.46	50.35	50.30	50.25	50.31	50.26	50.41	51.17	50.86	50.73	50.43	50.72	
8	50.37	50.33	50.30	50.25	50.29	50.25	50.73	50.83	50.81	50.68	50.43	50.72	
9	50.33	50.33	50.29	50.34	50.29	50.42	50.67	50.86	50.77	50.66	50.43	50.68	
10	50.32	50.32	50.28	50.52	50.36	50.43	50.54	50.88	50.78	50.62	50.43	50.65	
11	50.31	50.31	50.30	50.48	50.41	50.37	50.49	50.99	50.72	50.60	50.42	50.63	
12	50.31	50.32	50.31	50.38	50.41	50.34	50.45	51.47	50.69	50.58	50.42	50.60	
13	50.30	50.40	50.32	50.33	50.37	50.36	50.43	51.27	50.66	50.56	50.41	50.59	
14	50.49	50.34	50.37	50.30	50.35	50.44	50.41	50.99	50.64	50.54	50.44	50.76	
15	50.51	50.32	50.38	50.33	50.33	50.53	50.39	50.88	50.62	50.53	50.65	50.70	
16	50.49	50.36	50.34	50.31	50.41	50.44	50.38	50.82	50.60	50.52	50.96	50.63	
17	50.41	50.40	50.31	50.29	50.65	50.41	50.39	51.05	50.61	50.51	51.05	50.60	
18	50.48	50.34	50.30	50.27	50.64	50.40	50.40	51.46	50.60	50.50	50.81	50.58	
19	50.39	50.32	50.30	50.27	50.53	50.36	50.37	51.04	50.67	50.49	50.77	50.60	
20	50.37	50.36	50.28	50.25	50.49	50.35	50.51	50.89	50.63	50.48	50.66	50.75	
21	50.37	50.34	50.28	50.24	50.43	50.36	50.46	50.81	50.60	50.48	50.61	50.77	
22	50.34	50.34	50.27	50.24	50.40	50.39	50.48	50.80	50.58	50.47	50.56	50.66	
23	50.33	50.38	50.26	50.24	50.38	50.43	50.75	50.84	50.56	50.46	50.54	50.65	
24	50.35	50.36	50.25	50.24	50.35	50.37	50.78	51.03	50.55	50.46	50.94	50.67	
25	50.34	50.32	50.25	50.24	50.35	50.35	50.91	51.10	50.53	50.45	51.07	50.66	
26	50.39	50.33	50.25	50.24	50.37	50.38	50.79	50.98	50.52	50.45	51.95	50.66	
27	50.50	50.32	50.25	50.24	50.38	50.38	51.22	50.88	50.51	50.44	51.97	50.64	
28	50.41	50.33	50.25	50.25	50.35	50.37	50.84	50.87	50.51	50.43	51.42	50.60	
29	50.42	50.32	50.25	50.30	50.33	50.45	50.67	51.59	50.53	50.44		50.57	
30	50.38	50.33	50.25	50.36	50.31	50.41	50.60	51.18	50.68	50.51		50.58	
31		50.34		50.32	50.31		50.58		51.10	50.47		50.57	
Mean	50.38	50.34	50.30	50.29	50.40	50.37	50.55	50.97	50.82	50.59	50.72	50.69	
Max	50.51	50.40	50.40	50.52	50.65	50.53	51.22	51.59	52.72	51.00	51.97	51.07	52.72
Min	50.30	50.31	50.25	50.24	50.29	50.25	50.35	50.54	50.51	50.43	50.41	50.57	50.24
Annual Max Momentary Gage Height	54.49		m. (MSL.) ,				at 07.00 Hours , on Dec 2, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	50.00	m. (MSL.)					
Left Bank Elevation		54.21	m. (MSL.) ,										
Right Bank Elevation		53.87	m. (MSL.) ,			Drainage Are	53	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.76	0.88	1.00	0.40	1.70	0.60	0.92	1.70	15.50	2.95	1.25	5.05		
2	0.68	0.92	0.92	0.40	1.15	0.60	0.88	1.90	37.00	3.05	1.20	3.60		
3	0.64	0.92	0.76	0.36	0.92	0.72	0.80	1.70	10.15	4.00	1.25	3.15		
4	0.68	0.84	0.68	0.36	1.00	0.68	0.92	2.45	6.85	3.50	1.35	2.90		
5	0.64	0.72	0.64	0.36	0.92	0.56	1.10	2.90	4.30	3.30	1.25	2.70		
6	0.84	0.76	0.64	0.36	0.76	0.52	0.88	9.55	3.60	2.95	1.20	2.80		
7	1.30	0.80	0.60	0.40	0.64	0.44	1.05	6.55	3.30	2.65	1.15	2.60		
8	0.88	0.72	0.60	0.40	0.56	0.40	2.65	3.15	3.05	2.40	1.15	2.60		
9	0.72	0.72	0.56	0.76	0.56	1.10	2.35	3.30	2.85	2.30	1.15	2.40		
10	0.68	0.68	0.52	1.60	0.84	1.15	1.70	3.40	2.90	2.10	1.15	2.25		
11	0.64	0.64	0.60	1.40	1.05	0.88	1.45	3.95	2.60	2.00	1.10	2.15		
12	0.64	0.68	0.64	0.92	1.05	0.76	1.25	11.05	2.45	1.90	1.10	2.00		
13	0.60	1.00	0.68	0.72	0.88	0.84	1.15	8.05	2.30	1.80	1.05	1.95		
14	1.45	0.76	0.88	0.60	0.80	1.20	1.05	3.95	2.20	1.70	1.20	2.80		
15	1.55	0.68	0.92	0.72	0.72	1.65	0.96	3.40	2.10	1.65	2.25	2.50		
16	1.45	0.84	0.76	0.64	1.05	1.20	0.92	3.10	2.00	1.60	3.80	2.15		
17	1.05	1.00	0.64	0.56	2.25	1.05	0.96	4.75	2.05	1.55	4.75	2.00		
18	1.40	0.76	0.60	0.48	2.20	1.00	1.00	10.90	2.00	1.50	3.05	1.90		
19	0.96	0.68	0.60	0.48	1.65	0.84	0.88	4.60	2.35	1.45	2.85	2.00		
20	0.88	0.84	0.52	0.40	1.45	0.80	1.55	3.45	2.15	1.40	2.30	2.75		
21	0.88	0.76	0.52	0.36	1.15	0.84	1.30	3.05	2.00	1.40	2.05	2.85		
22	0.76	0.76	0.48	0.36	1.00	0.96	1.40	3.00	1.90	1.35	1.80	2.30		
23	0.72	0.92	0.44	0.36	0.92	1.15	2.75	3.20	1.80	1.30	1.70	2.25		
24	0.80	0.84	0.40	0.36	0.80	0.88	2.90	4.45	1.75	1.30	3.70	2.35		
25	0.76	0.68	0.40	0.36	0.80	0.80	3.55	5.50	1.65	1.25	5.05	2.30		
26	0.96	0.72	0.40	0.36	0.88	0.92	2.95	3.90	1.60	1.25	19.50	2.30		
27	1.50	0.68	0.40	0.36	0.92	0.92	7.30	3.40	1.55	1.20	19.90	2.20		
28	1.05	0.72	0.40	0.40	0.80	0.88	3.20	3.35	1.55	1.15	10.30	2.00		
29	1.10	0.68	0.40	0.60	0.72	1.25	2.35	12.85	1.65	1.20		1.85		
30	0.92	0.72	0.40	0.84	0.64	1.05	2.00	6.70	2.40	1.55		1.90		
31		0.76		0.68	0.64		1.90		5.50	1.35		1.85		
Total	27.89	24.08	18.00	17.36	31.42	26.64	56.02	143.20	135.05	60.05	99.55	76.40	715.66	CMSDAY
Mean	0.93	0.78	0.60	0.56	1.01	0.89	1.81	4.77	4.36	1.94	3.56	2.46	1.96	CMS
Max	1.55	1.00	1.00	1.60	2.25	1.65	7.30	12.85	37.00	4.00	19.90	5.05	37.00	CMS
Min	0.60	0.64	0.40	0.36	0.56	0.40	0.80	1.70	1.55	1.15	1.05	1.85	0.36	CMS
Runoff	2.41	2.08	1.56	1.50	2.71	2.30	4.84	12.37	11.67	5.19	8.60	6.60	61.83	MCM
Momentary Peak	96.05 CMS. at 54.49 m. (MSL.) at 07.00 Hours , on Dec 2, 2021													
Runoff Yield	36.99	Liters/Second/Square KM.			Momentary Peak Yield			1812.26	Liters/Second/Square KM.					

WATER YEAR : 2021**PATTANI RIVER BASIN****Pattani River at Ban Tha Sap, Yala (X.40A)**

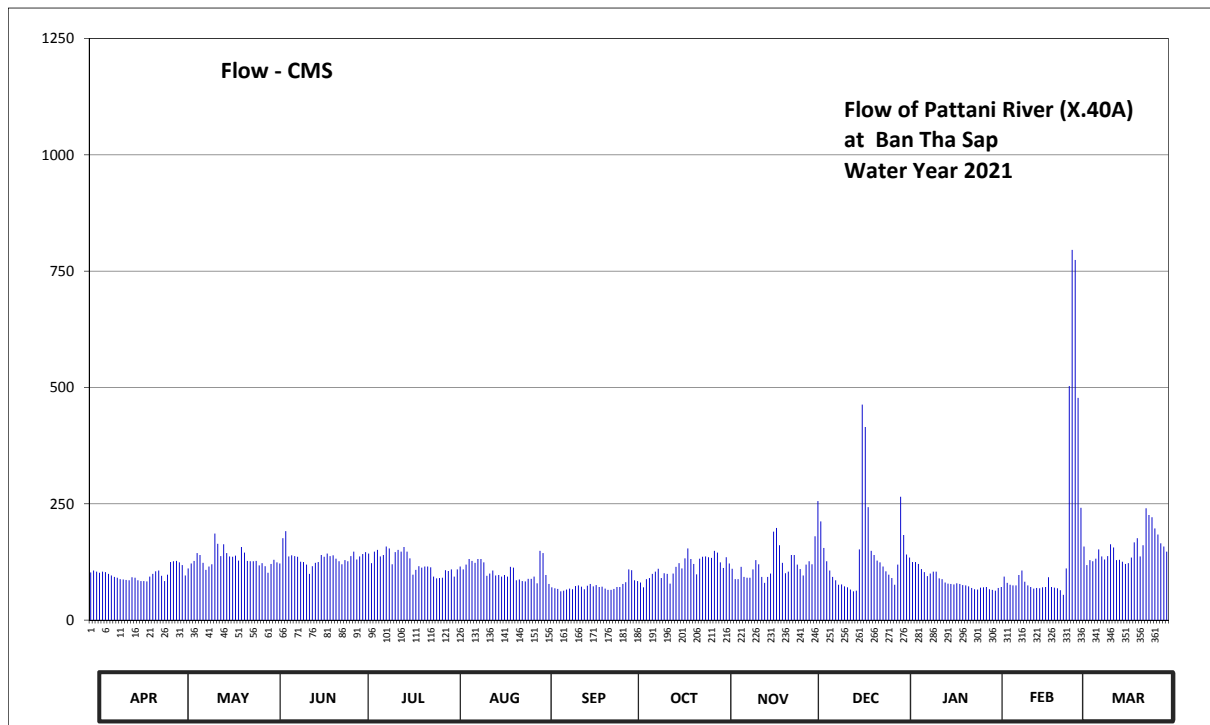
Lat 06 - 33 - 10 N Long 101 - 15 - 59 E

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.		
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	1988 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 + 16.510 m.(MSL.), records are channel flow only.		
General Description	Records good. Flow regulated by Bang Lang Dam upstream. Stage-discharge relation defined by 24 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	12.93	13.20	13.16	13.36	13.01	13.44	12.99	13.05	13.15	13.83	12.42	15.77	
2	12.98	13.13	13.27	13.42	12.82	12.86	12.72	13.34	13.80	13.41	12.50	14.35	
3	12.95	12.85	13.20	13.46	13.01	12.62	12.70	13.17	14.46	13.33	12.53	13.58	
4	12.92	13.04	13.17	13.43	13.09	12.52	12.66	13.03	14.11	13.21	12.82	13.13	
5	12.95	13.17	13.76	13.18	13.01	12.49	12.52	12.75	13.55	13.21	12.65	13.26	
6	12.94	13.24	13.91	13.47	13.14	12.47	12.75	12.75	13.23	13.16	12.60	13.23	
7	12.89	13.44	13.36	13.51	13.29	12.40	12.78	13.08	12.98	13.02	12.58	13.30	
8	12.85	13.40	13.39	13.36	13.24	12.42	12.89	12.81	12.81	12.94	12.58	13.52	
9	12.81	13.19	13.37	13.40	13.19	12.45	12.95	12.79	12.72	12.83	12.86	13.36	
10	12.79	13.00	13.35	13.58	13.29	12.48	13.03	12.79	12.60	12.90	12.98	13.28	
11	12.75	13.09	13.22	13.54	13.29	12.46	12.78	13.01	12.61	12.95	12.68	13.37	
12	12.74	13.15	13.21	13.15	13.20	12.56	12.91	13.26	12.55	12.95	12.58	13.63	
13	12.73	13.86	13.14	13.46	12.84	12.58	12.89	13.15	12.52	12.77	12.53	13.56	
14	12.72	13.64	12.89	13.51	12.90	12.54	12.63	12.81	12.45	12.75	12.48	13.26	
15	12.80	13.37	13.10	13.47	12.98	12.46	12.90	12.65	12.40	12.66	12.50	13.27	
16	12.79	13.63	13.19	13.57	12.85	12.57	13.08	12.81	12.42	12.63	12.49	13.22	
17	12.72	13.44	13.21	13.47	12.86	12.62	13.18	12.90	13.52	12.62	12.52	13.16	
18	12.70	13.36	13.40	13.31	12.82	12.55	13.04	13.90	15.70	12.61	12.53	13.18	
19	12.70	13.35	13.35	12.87	12.86	12.59	13.31	13.98	15.45	12.64	12.80	13.33	
20	12.69	13.38	13.43	13.00	12.82	12.53	13.54	13.61	14.36	12.62	12.53	13.67	
21	12.82	13.25	13.37	13.10	13.08	12.54	13.29	13.19	13.49	12.59	12.51	13.76	
22	12.89	13.57	13.39	13.06	13.06	12.48	13.16	12.91	13.40	12.58	12.49	13.36	
23	12.96	13.45	13.30	13.09	12.72	12.44	12.88	12.95	13.25	12.55	12.43	13.61	
24	12.98	13.24	13.23	13.09	12.74	12.44	13.30	13.40	13.20	12.50	12.29	14.34	
25	12.84	13.23	13.15	13.07	12.70	12.47	13.35	13.40	13.09	12.46	13.04	14.23	
26	12.70	13.23	13.26	12.82	12.69	12.53	13.36	13.14	12.96	12.45	15.89	14.19	
27	12.87	13.24	13.23	12.77	12.76	12.53	13.34	13.02	12.87	12.51	17.11	13.97	
28	13.21	13.12	13.37	12.78	12.76	12.62	13.32	12.85	12.78	12.52	17.03	13.84	
29	13.23	13.18	13.47	12.79	12.82	12.67	13.49	13.14	12.60	12.53		13.65	
30	13.24	13.10	13.28	12.99	12.64	13.01	13.45	13.23	13.14	12.46		13.58	
31		12.92		12.97	13.49		13.20		14.53	12.44		13.47	
Mean	12.87	13.27	13.30	13.23	12.97	12.58	13.04	13.10	13.31	12.79	13.03	13.63	
Max	13.24	13.86	13.91	13.58	13.49	13.44	13.54	13.98	15.70	13.83	17.11	15.77	17.11
Min	12.69	12.85	12.89	12.77	12.64	12.40	12.52	12.65	12.40	12.44	12.29	13.13	12.29
Annual Max Momentary Gage Height	17.37		m. (MSL.) ,			at 21.00 Hours ,	on Feb 27, 2022						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	8.43	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	102.40	124.00	120.80	136.80	108.80	144.00	107.20	112.00	120.00	183.00	63.40	477.70		
2	106.40	118.40	129.60	142.00	93.60	96.80	85.60	135.20	180.00	141.00	69.00	241.50		
3	104.00	96.00	124.00	146.00	108.80	77.60	84.00	121.60	255.80	134.40	71.10	158.00		
4	101.60	111.20	121.60	143.00	115.20	70.40	80.80	110.40	212.10	124.80	93.60	118.40		
5	104.00	121.60	176.00	122.40	108.80	68.30	70.40	88.00	155.00	124.80	80.00	128.80		
6	103.20	127.20	191.00	147.00	119.20	66.90	88.00	88.00	126.40	120.80	76.00	126.40		
7	99.20	144.00	136.80	151.00	131.20	62.00	90.40	114.40	106.40	109.60	74.60	132.00		
8	96.00	140.00	139.20	136.80	127.20	63.40	99.20	92.80	92.80	103.20	74.60	152.00		
9	92.80	123.20	137.60	140.00	123.20	65.50	104.00	91.20	85.60	94.40	96.80	136.80		
10	91.20	108.00	136.00	158.00	131.20	67.60	110.40	91.20	76.00	100.00	106.40	130.40		
11	88.00	115.20	125.60	154.00	131.20	66.20	90.40	108.80	76.80	104.00	82.40	137.60		
12	87.20	120.00	124.80	120.00	124.00	73.20	100.80	128.80	72.50	104.00	74.60	163.00		
13	86.40	186.00	119.20	146.00	95.20	74.60	99.20	120.00	70.40	89.60	71.10	156.00		
14	85.60	164.00	99.20	151.00	100.00	71.80	78.40	92.80	65.50	88.00	67.60	128.80		
15	92.00	137.60	116.00	147.00	106.40	66.20	100.00	80.00	62.00	80.80	69.00	129.60		
16	91.20	163.00	123.20	157.00	96.00	73.90	114.40	92.80	63.40	78.40	68.30	125.60		
17	85.60	144.00	124.80	147.00	96.80	77.60	122.40	100.00	152.00	77.60	70.40	120.80		
18	84.00	136.80	140.00	132.80	93.60	72.50	111.20	190.00	463.00	76.80	71.10	122.40		
19	84.00	136.00	136.00	97.60	96.80	75.30	132.80	198.00	415.00	79.20	92.00	134.40		
20	83.20	138.40	143.00	108.00	93.60	71.10	154.00	161.00	242.80	77.60	71.10	167.00		
21	93.60	128.00	137.60	116.00	114.40	71.80	131.20	123.20	149.00	75.30	69.70	176.00		
22	99.20	157.00	139.20	112.80	112.80	67.60	120.80	100.80	140.00	74.60	68.30	136.80		
23	104.80	145.00	132.00	115.20	85.60	64.80	98.40	104.00	128.00	72.50	64.10	161.00		
24	106.40	127.20	126.40	115.20	87.20	64.80	132.00	140.00	124.00	69.00	54.30	240.20		
25	95.20	126.40	120.00	113.60	84.00	66.90	136.00	140.00	115.20	66.20	111.20	225.90		
26	84.00	126.40	128.80	93.60	83.20	71.10	136.80	119.20	104.80	65.50	502.90	220.90		
27	97.60	127.20	126.40	89.60	88.80	71.10	135.20	109.60	97.60	69.70	795.70	197.00		
28	124.80	117.60	137.60	90.40	88.80	77.60	133.60	96.00	90.40	70.40	774.10	184.00		
29	126.40	122.40	147.00	91.20	93.60	81.60	149.00	119.20	76.00	71.10		165.00		
30	127.20	116.00	130.40	107.20	79.20	108.80	145.00	126.40	119.20	66.20		158.00		
31		101.60		105.60	149.00		124.00		264.90	64.80		147.00		
Total	2927.20	4049.40	3989.80	3933.80	3267.40	2251.00	3465.60	3495.40	4502.60	2857.30	3983.40	5199.00	43921.90	CMSDAY
Mean	97.57	130.63	132.99	126.90	105.40	75.03	111.79	116.51	145.25	92.17	142.26	167.71	120.33	CMS
Max	127.20	186.00	191.00	158.00	149.00	144.00	154.00	198.00	463.00	183.00	795.70	477.70	795.70	CMS
Min	83.20	96.00	99.20	89.60	79.20	62.00	70.40	80.00	62.00	64.80	54.30	118.40	54.30	CMS
Runoff	252.91	349.87	344.72	339.88	282.30	194.49	299.43	302.00	389.02	246.87	344.17	449.19	3794.85	MCM
Momentary Peak	867.60 CMS. at 17.37 m. (MSL.) at 21.00 Hours , on Feb 27, 2022													
Runoff Yield	36.52	Liters/Second/Square KM.			Momentary Peak Yield			263.31	Liters/Second/Square KM.					

WATER YEAR : 2021**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
Drainage 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	Fairly stable.					
Overbank Flow Conditions	Overbank flow starts at elevation +9.800 m.(MSL.), records are channel flow only.					
General Description	Records very good. Stage-discharge relation defined by 26 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.11	5.09	4.83	6.14	3.83	4.77	4.34	4.15	5.06	8.41	3.63	10.10	
2	4.79	4.74	5.32	5.82	3.79	5.41	4.13	3.96	6.31	8.56	3.58	9.80	
3	4.52	4.47	5.34	5.03	3.86	5.59	4.28	3.93	7.97	8.22	3.54	9.25	
4	4.21	4.30	5.00	5.49	3.80	5.20	4.12	4.06	8.32	7.62	3.57	8.49	
5	4.19	4.18	5.01	5.28	3.71	4.80	4.35	4.03	7.80	7.42	3.62	7.62	
6	4.09	4.10	5.29	5.22	3.64	4.53	4.20	3.88	7.16	6.80	3.70	6.98	
7	3.94	4.28	5.00	4.99	3.57	4.34	4.01	3.80	6.68	6.22	3.77	6.54	
8	4.18	4.16	4.62	4.67	3.58	4.17	3.91	3.78	6.24	5.85	4.42	6.15	
9	4.12	4.04	4.40	4.53	3.78	4.01	3.80	3.74	5.92	5.62	6.28	5.88	
10	3.89	3.92	4.29	4.95	4.12	3.90	3.71	4.13	5.65	5.30	6.43	5.64	
11	3.79	3.84	4.27	5.42	4.91	3.82	3.62	5.76	5.52	5.06	5.53	5.31	
12	3.81	4.16	4.15	5.16	5.13	3.91	3.57	5.47	5.17	4.86	5.09	5.05	
13	3.79	5.59	4.09	4.73	5.32	3.97	3.52	5.88	4.89	4.70	4.86	4.87	
14	4.01	5.02	4.66	5.01	5.82	3.85	3.47	6.29	4.83	4.57	4.64	4.87	
15	4.10	4.54	4.88	4.79	5.68	3.78	3.54	7.04	5.28	4.47	4.66	4.71	
16	3.92	4.53	4.61	4.54	5.68	3.73	4.14	7.67	5.63	4.38	4.90	4.55	
17	3.76	4.45	4.33	4.37	5.38	3.60	4.23	7.63	7.40	4.32	4.81	4.45	
18	3.69	4.84	4.87	4.21	4.93	3.73	4.16	8.08	8.92	4.36	4.63	4.38	
19	3.71	4.78	5.17	4.07	4.57	4.05	3.99	8.38	9.85	4.25	5.12	4.33	
20	3.65	5.28	6.31	3.99	4.37	4.34	3.81	8.01	9.89	4.16	5.24	4.64	
21	3.66	5.25	6.48	3.93	4.34	4.19	3.89	7.39	9.58	4.09	4.86	5.58	
22	4.10	5.88	5.94	3.90	4.63	4.04	3.88	6.70	9.05	4.03	4.54	5.95	
23	4.77	5.73	5.39	4.04	4.69	3.92	3.80	6.25	8.48	3.97	4.33	6.67	
24	5.03	5.14	5.00	4.22	4.49	3.80	4.64	5.96	7.98	3.91	5.03	6.96	
25	5.10	4.80	4.69	4.06	4.26	3.73	4.51	5.72	7.52	3.86	7.38	6.61	
26	5.19	4.55	4.62	3.92	4.51	3.69	4.26	5.38	7.05	3.82	10.13	6.16	
27	6.29	4.42	4.58	3.93	5.04	4.06	4.06	5.15	6.57	3.79	10.38	5.62	
28	6.89	4.60	4.58	3.94	4.89	4.16	4.15	5.00	6.11	3.76	10.36	5.34	
29	6.42	4.51	6.16	3.81	4.79	4.57	4.56	5.17	5.75	3.72		4.93	
30	5.65	5.05	6.25	3.75	4.81	4.57	4.73	5.07	6.13	3.70		4.76	
31		5.27		3.78	4.95		4.39		7.69	3.68		4.59	
Mean	4.48	4.69	5.00	4.57	4.54	4.21	4.06	5.58	6.98	5.08	5.32	6.03	
Max	6.89	5.88	6.48	6.14	5.82	5.59	4.73	8.38	9.89	8.56	10.38	10.10	10.38
Min	3.65	3.84	4.09	3.75	3.57	3.60	3.47	3.74	4.83	3.68	3.54	4.33	3.47
Annual Max Momentary Gage Height	10.55		m. (MSL.) ,			at 23.00 Hours , on Feb 27, 2022							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	1.39	m. (MSL.)					
Left Bank Elevation	10.48		m. (MSL.) ,										
Right Bank Elevation	9.79		m. (MSL.) ,			Drainage Are	1,358	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	58.85	58.15	49.90	96.60	20.75	48.10	35.20	29.50	57.10	215.70	15.75	411.00	
2	48.70	47.20	66.20	83.80	19.75	69.35	28.90	24.00	103.40	226.20	14.50	357.00	
3	40.60	39.10	66.90	56.05	21.50	75.65	33.40	23.25	187.20	202.40	13.50	284.50	
4	31.30	34.00	55.00	72.15	20.00	62.00	28.60	26.80	209.40	166.20	14.25	221.30	
5	30.70	30.40	55.35	64.80	17.75	49.00	35.50	25.90	177.00	156.00	15.50	166.20	
6	27.70	28.00	65.15	62.70	16.00	40.90	31.00	22.00	143.00	125.00	17.50	134.00	
7	23.50	33.40	55.00	54.70	14.25	35.20	25.30	20.00	119.00	99.80	19.25	112.60	
8	30.40	29.80	43.60	45.10	14.50	30.10	22.75	19.50	100.60	85.00	37.60	97.00	
9	28.60	26.20	37.00	40.90	19.50	25.30	20.00	18.50	87.80	76.70	102.20	86.20	
10	22.25	23.00	33.70	53.50	28.60	22.50	17.75	28.90	77.75	65.50	108.20	77.40	
11	19.75	21.00	33.10	69.70	52.30	20.50	15.50	81.60	73.20	57.10	73.55	65.85	
12	20.25	29.80	29.50	60.60	59.55	22.75	14.25	71.45	60.95	50.80	58.15	56.75	
13	19.75	75.65	27.70	46.90	66.20	24.25	13.00	86.20	51.70	46.00	50.80	51.10	
14	25.30	55.70	44.80	55.35	83.80	21.25	11.75	102.60	49.90	42.10	44.20	51.10	
15	28.00	41.20	51.40	48.70	78.80	19.50	13.50	137.00	64.80	39.10	44.80	46.30	
16	23.00	40.90	43.30	41.20	78.80	18.25	29.20	169.20	77.05	36.40	52.00	41.50	
17	19.00	38.50	34.90	36.10	68.30	15.00	31.90	166.80	155.00	34.60	49.30	38.50	
18	17.25	50.20	51.10	31.30	52.90	18.25	29.80	193.80	254.60	35.80	43.90	36.40	
19	17.75	48.40	60.95	27.10	42.10	26.50	24.75	213.60	365.50	32.50	59.20	34.90	
20	16.25	64.80	103.40	24.75	36.10	35.20	20.25	189.60	372.30	29.80	63.40	44.20	
21	16.50	63.75	110.20	23.25	35.20	30.70	22.25	154.50	324.40	27.70	50.80	75.30	
22	28.00	86.20	88.60	22.50	43.90	26.20	22.00	120.00	265.50	25.90	41.20	89.00	
23	48.10	80.55	68.65	26.20	45.70	23.00	20.00	101.00	220.60	24.25	34.90	118.50	
24	56.05	59.90	55.00	31.60	39.70	20.00	44.20	89.40	187.80	22.75	56.05	133.00	
25	58.50	49.00	45.70	26.80	32.80	18.25	40.30	80.20	161.00	21.50	154.00	115.50	
26	61.65	41.50	43.60	23.00	40.30	17.25	32.80	68.30	137.50	20.50	417.00	97.40	
27	102.60	37.60	42.40	23.25	56.40	26.80	26.80	60.25	113.80	19.75	479.60	76.70	
28	129.50	43.00	42.40	23.50	51.70	29.80	29.50	55.00	95.40	19.00	474.20	66.90	
29	107.80	40.30	97.40	20.25	48.70	42.10	41.80	60.95	81.25	18.00		52.90	
30	77.75	56.75	101.00	18.75									

WATER YEAR : 2021**Peninsula-Lower East Coast****Sai Buri River at Ban Sa Ko , Narathiwat (X.184)**

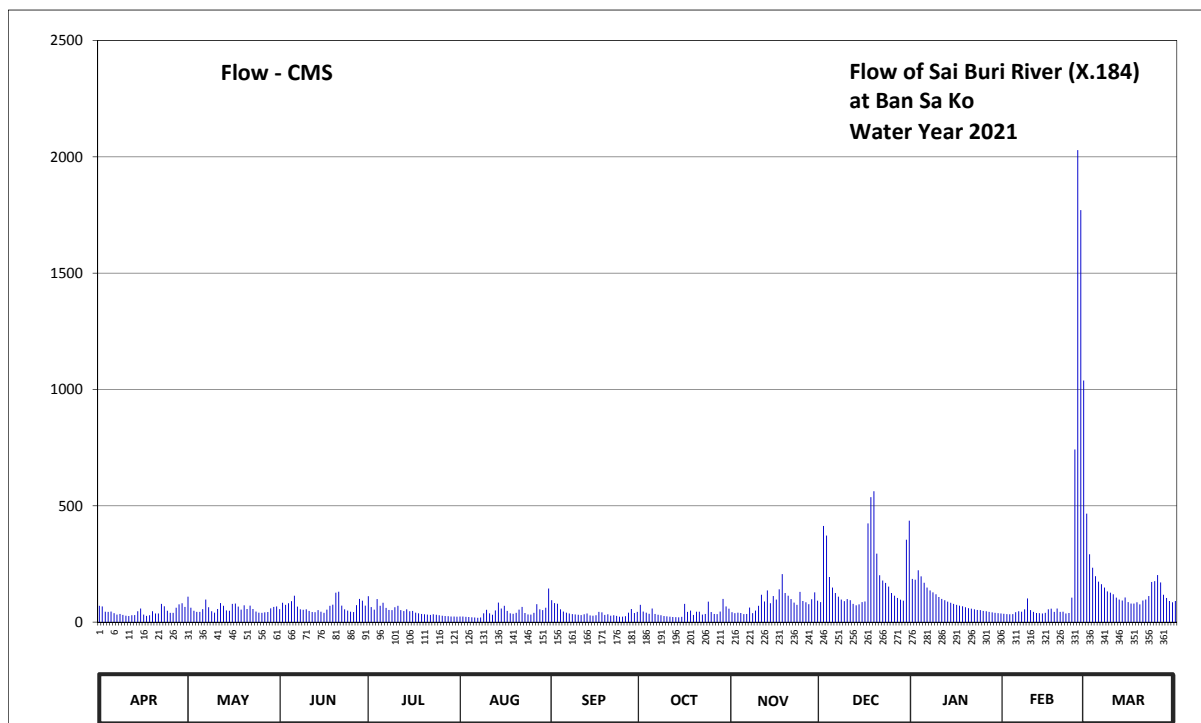
Lat 06 - 13 - 38 N Long 101 - 29 - 49 E

Location : on left bank at Ban Sa Ko.

	Ban	Bu Kae Ta	Amphoe	Waeng	Changwat	Narathiwat
Drainage Area	1,241	sq.km.				
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	+34.437 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	Stable.					
Overbank Flow Conditions	Overbank flow starts at elevation + 31.410 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 21 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	23.40	23.79	23.24	23.81	22.83	23.64	23.44	23.08	23.56	24.48	23.00	26.64	
2	23.37	23.31	23.53	23.34	22.83	23.52	23.12	23.03	26.28	24.45	22.98	25.35	
3	23.11	23.16	23.44	23.22	22.81	23.49	23.06	23.06	25.97	24.79	22.97	24.88	
4	23.10	23.10	23.51	23.69	22.80	23.23	23.00	23.04	24.55	24.57	22.98	24.58	
5	23.12	23.10	23.60	23.40	22.78	23.12	23.27	22.98	24.15	24.34	23.08	24.38	
6	23.03	23.24	23.83	23.53	22.76	23.06	22.99	22.99	23.94	24.15	23.13	24.28	
7	22.95	23.67	23.36	23.30	22.74	23.01	22.94	23.32	23.79	24.04	23.11	24.15	
8	22.99	23.33	23.23	23.20	22.77	22.98	22.91	23.03	23.67	23.96	23.23	24.00	
9	22.93	23.13	23.21	23.19	23.02	22.96	22.86	23.17	23.60	23.89	23.72	23.95	
10	22.88	23.06	23.23	23.33	23.21	22.94	22.84	23.40	23.69	23.78	23.19	23.89	
11	22.86	23.25	23.15	23.40	23.02	22.92	22.82	23.87	23.64	23.70	23.10	23.75	
12	22.91	23.52	23.09	23.19	22.94	22.97	22.80	23.59	23.48	23.64	23.04	23.67	
13	22.92	23.40	23.08	23.14	23.18	23.01	22.79	24.04	23.42	23.58	23.03	23.63	
14	23.13	23.18	23.19	23.23	23.54	22.90	22.78	23.51	23.46	23.53	23.01	23.76	
15	23.27	23.16	23.11	23.13	23.27	22.88	22.81	23.82	23.56	23.48	23.05	23.56	
16	22.95	23.48	23.05	23.15	23.40	22.91	23.48	23.67	23.59	23.44	23.23	23.50	
17	22.87	23.50	23.22	23.06	23.15	23.10	23.10	24.08	26.36	23.41	23.26	23.50	
18	22.91	23.36	23.40	23.02	23.02	23.07	23.17	24.65	27.09	23.38	23.10	23.55	
19	23.13	23.22	23.45	22.99	23.00	22.93	22.93	23.94	27.24	23.33	23.27	23.46	
20	23.01	23.42	23.95	22.97	23.05	22.97	23.11	23.83	25.37	23.29	23.10	23.63	
21	23.01	23.25	23.99	22.95	23.22	22.88	23.11	23.69	24.61	23.26	23.11	23.67	
22	23.48	23.41	23.41	22.93	23.35	22.91	22.95	23.54	24.42	23.23	23.01	23.82	
23	23.38	23.25	23.23	22.97	23.04	22.87	22.99	23.44	24.33	23.20	23.04	24.37	
24	23.16	23.12	23.17	22.94	22.96	22.82	23.58	23.98	24.19	23.19	23.75	24.40	
25	23.05	23.06	23.11	22.91	22.95	22.82	23.09	23.61	23.94	23.15	28.21	24.62	
26	23.05	23.05	23.09	22.88	23.05	22.85	22.99	23.55	23.83	23.13	32.24	24.35	
27	23.31	23.07	23.43	22.86	23.47	23.06	22.98	23.47	23.74	23.10	31.66	23.87	
28	23.46	23.09	23.70	22.85	23.23	23.25	23.12	23.68	23.66	23.07	29.49	23.74	
29	23.51	23.28	23.62	22.83	23.19	23.04	23.70	23.96	23.62	23.05		23.61	
30	23.35	23.35	23.41	22.83	23.31	23.10	23.37	23.62	25.83	23.03		23.55	
31		23.37		22.82	24.11		23.26		26.44	23.01		23.61	
Mean	23.12	23.28	23.37	23.13	23.10	23.04	23.08	23.55	24.48	23.60	24.18	24.06	
Max	23.51	23.79	23.99	23.81	24.11	23.64	23.70	24.65	27.24	24.79	32.24	26.64	32.24
Min	22.86	23.05	23.05	22.82	22.74	22.82	22.78	22.98	23.42	23.01	22.97	23.46	22.74
Annual Max Momentary Gage Height	32.61		m. (MSL.) ,		at 24.00 Hours ,	on Feb 25, 2022							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,		River Bed	21.46	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	70.00	109.00	55.60	111.10	24.10	94.00	74.00	42.40	86.00	185.60	36.00	466.00		
2	67.30	61.90	83.00	64.60	24.10	82.00	45.60	38.40	413.20	182.00	34.60	291.50		
3	44.80	48.80	74.00	53.80	22.70	79.00	40.80	40.80	372.10	222.80	33.90	233.60		
4	44.00	44.00	81.00	99.00	22.00	54.70	36.00	39.20	194.00	196.40	34.60	197.60		
5	45.60	44.00	90.00	70.00	20.80	45.60	58.30	34.60	148.50	169.40	42.40	173.80		
6	38.40	55.60	113.30	83.00	19.60	40.80	35.30	35.30	125.40	148.50	46.40	162.80		
7	32.50	97.00	66.40	61.00	18.40	36.80	31.80	62.80	109.00	136.40	44.80	148.50		
8	35.30	63.70	54.70	52.00	20.20	34.60	29.70	38.40	97.00	127.60	54.70	132.00		
9	31.10	46.40	52.90	51.20	37.60	33.20	26.20	49.60	90.00	119.90	102.00	126.50		
10	27.60	40.80	54.70	63.70	52.90	31.80	24.80	70.00	99.00	108.00	51.20	119.90		
11	26.20	56.50	48.00	70.00	37.60	30.40	23.40	117.70	94.00	100.00	44.00	105.00		
12	29.70	82.00	43.20	51.20	31.80	33.90	22.00	89.00	78.00	94.00	39.20	97.00		
13	30.40	70.00	42.40	47.20	50.40	36.80	21.40	136.40	72.00	88.00	38.40	93.00		
14	46.40	50.40	51.20	54.70	84.00	29.00	20.80	81.00	76.00	83.00	36.80	106.00		
15	58.30	48.80	44.80	46.40	58.30	27.60	22.70	112.20	86.00	78.00	40.00	86.00		
16	32.50	78.00	40.00	48.00	70.00	29.70	78.00	97.00	89.00	74.00	54.70	80.00		
17	26.90	80.00	53.80	40.80	48.00	44.00	44.00	140.80	424.40	71.00	57.40	80.00		
18	29.70	66.40	70.00	37.60	37.60	41.60	49.60	206.00	537.30	68.20	44.00	85.00		
19	46.40	53.80	75.00	35.30	36.00	31.10	31.10	125.40	562.80	63.70	58.30	76.00		
20	36.80	72.00	126.50	33.90	40.00	33.90	44.80	113.30	294.10	60.10	44.00	93.00		
21	36.80	56.50	130.90	32.50	53.80	27.60	44.80	99.00	201.20	57.40	44.80	97.00		
22	78.00	71.00	71.00	31.10	65.50	29.70	32.50	84.00	178.40	54.70	36.80	112.20		
23	68.20	56.50	54.70	33.90	39.20	26.90	35.30	74.00	168.30	52.00	39.20	172.70		
24	48.80	45.60	49.60	31.80	33.20	23.40	88.00	129.80	152.90	51.20	105.00	176.00		
25	40.00	40.80	44.80	29.70	32.50	23.40	43.20	91.00	125.40	48.00	742.00	202.40		
26	40.00	40.00	43.20	27.60	40.00	25.50	35.30	85.00	113.30	46.40	2028.40	170.50		
27	61.90	41.60	73.00	26.20	77.00	40.80	34.60	77.00	104.00	44.00	1770.40	117.70		
28	76.00	43.20	100.00	25.50	54.70	56.50	45.60	98.00	96.00	41.60	1038.30	104.00		
29	81.00	59.20	92.00	24.10	51.20	39.20	100.00	127.60	92.00	40.00		91.00		
30	65.50	65.50	71.00	24.10	61.90	44.00	67.30	92.00	353.90	38.40		85.00		
31		67.30		23.40	144.10		57.40		436.00	36.80		91.00		
Total	1396.10	1856.30	2050.70	1484.40	1409.20	1207.50	1344.30	2627.70	6069.20	2887.10	6742.30	4372.70	33447.50	CMSDAY
Mean	46.54	59.88	68.36	47.88	45.46	40.25	43.36	87.59	195.78	93.13	240.80	141.05	91.64	CMS
Max	81.00	109.00	130.90	111.10	144.10	94.00	100.00	206.00	562.80	222.80	2028.40	466.00	2028.40	CMS
Min	26.20	40.00	40.00	23.40	18.40	23.40	20.80	34.60	72.00	36.80	33.90	76.00	18.40	CMS
Runoff	120.62	160.38	177.18	128.25	121.75	104.33	116.15	227.03	524.38	249.45	582.53	377.80	2889.86	MCM
Momentary Peak	2207.50 CMS. at 32.61 m. (MSL.) at 24.00 Hours , on Feb 25, 2022													
Runoff Yield	73.84 Liters/Second/Square KM.			Momentary Peak Yield				1778.81 Liters/Second/Square KM.						

WATER YEAR : 2021

Peninsula-Lower East Coast

Kolok River at Ban Bu Kae Ta , Narathiwat (X.274)

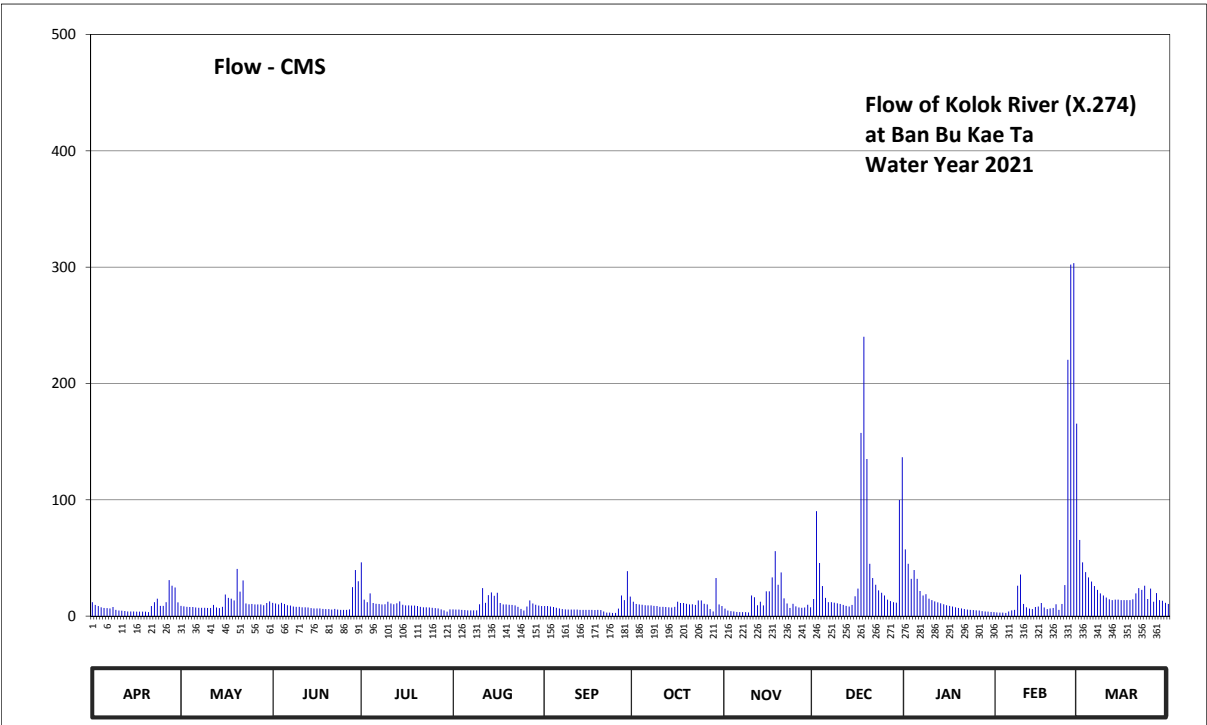
Lat 05 - 50 - 21 N Long 101 - 53 - 32 E

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 26 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.00	18.84	18.97	20.14	18.69	18.83	19.01	18.72	19.09	20.51	18.56	20.71	
2	18.88	18.82	18.94	19.07	18.68	18.83	18.92	18.64	21.33	20.10	18.55	20.14	
3	18.83	18.80	18.90	19.00	18.68	18.81	18.90	18.61	20.12	19.67	18.55	19.86	
4	18.78	18.79	18.97	19.25	18.67	18.79	18.89	18.60	19.46	19.92	18.54	19.71	
5	18.75	18.79	18.92	18.96	18.66	18.76	18.87	18.58	19.12	19.67	18.60	19.59	
6	18.74	18.77	18.87	18.93	18.65	18.73	18.86	18.57	19.00	19.32	18.65	19.46	
7	18.73	18.76	18.85	18.92	18.65	18.70	18.86	18.57	19.00	19.19	18.67	19.35	
8	18.79	18.76	18.81	18.90	18.65	18.69	18.84	18.57	18.98	19.23	19.47	19.25	
9	18.67	18.76	18.80	18.91	18.65	18.68	18.83	18.56	18.95	19.10	19.79	19.19	
10	18.64	18.75	18.80	19.01	18.91	18.68	18.80	19.19	18.92	19.06	18.92	19.13	
11	18.63	18.75	18.78	18.94	19.40	18.68	18.80	19.14	18.88	19.02	18.78	19.08	
12	18.62	18.88	18.78	18.91	18.97	18.68	18.79	18.87	18.84	18.99	18.72	19.06	
13	18.60	18.77	18.77	18.95	19.20	18.67	18.78	19.01	18.81	18.95	18.70	19.07	
14	18.60	18.74	18.74	19.02	19.28	18.67	18.77	18.86	18.88	18.91	18.79	19.07	
15	18.60	18.80	18.73	18.89	19.18	18.67	18.80	19.31	19.17	18.87	18.81	19.06	
16	18.59	19.22	18.73	18.86	19.27	18.67	19.01	19.31	19.39	18.84	18.96	19.06	
17	18.59	19.12	18.73	18.86	18.96	18.67	18.96	19.71	22.55	18.81	18.77	19.06	
18	18.59	19.10	18.71	18.85	18.90	18.66	18.96	20.46	23.41	18.78	18.70	19.06	
19	18.59	19.05	18.70	18.85	18.90	18.67	18.93	19.50	22.23	18.75	18.73	19.08	
20	18.57	19.95	18.70	18.83	18.89	18.66	18.90	19.85	20.10	18.73	18.75	19.25	
21	18.83	19.30	18.68	18.80	18.88	18.60	18.91	19.11	19.69	18.70	18.91	19.40	
22	19.00	19.62	18.71	18.78	18.86	18.55	18.88	18.94	19.50	18.68	18.67	19.35	
23	19.10	18.94	18.68	18.78	18.80	18.55	19.05	18.75	19.34	18.67	18.92	19.47	
24	18.84	18.91	18.67	18.77	18.71	18.54	19.05	18.93	19.27	18.66	19.49	19.09	
25	18.84	18.92	18.67	18.76	18.64	18.54	18.93	18.82	19.19	18.65	23.23	19.39	
26	19.00	18.90	18.67	18.74	18.81	18.72	18.90	18.77	19.07	18.64	23.96	19.01	
27	19.63	18.90	18.69	18.73	19.05	19.19	18.70	18.76	19.03	18.61	23.97	19.26	
28	19.47	18.90	19.43	18.69	18.94	19.06	18.60	18.77	19.00	18.60	22.65	19.06	
29	19.42	18.87	19.92	18.65	18.89	19.89	19.69	18.89	18.98	18.59		19.04	
30	18.99	18.96	19.60	18.59	18.85	19.16	18.90	18.78	21.57	18.58		18.97	
31		19.02		18.69	18.83		18.83		22.25	18.57		18.92	
Mean	18.83	18.95	18.86	18.90	18.87	18.77	18.90	18.97	19.78	19.01	19.49	19.30	
Max	19.63	19.95	19.92	20.14	19.40	19.89	19.69	20.46	23.41	20.51	23.97	20.71	23.97
Min	18.57	18.74	18.67	18.59	18.64	18.54	18.60	18.56	18.81	18.57	18.54	18.92	18.54
Annual Max Momentary Gage Height	24.73		m. (MSL.) ,				at 01.00 Hours ,		on Feb 26, 2022				
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,				River Bed	18.00	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, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	12.00	8.80	11.40	46.20	5.80	8.60	12.30	6.40	14.70	57.40	3.20	65.40	
2	9.60	8.40	10.80	14.10	5.60	8.60	10.40	4.80	90.20	45.00	3.00	46.20	
3	8.60	8.00	10.00	12.00	5.60	8.20	10.00	4.20	45.60	32.10	3.00	37.80	
4	7.60	7.80	11.40	19.50	5.40	7.80	9.80	4.00	25.80	39.60	2.80	33.30	
5	7.00	7.80	10.40	11.20	5.20	7.20	9.40	3.60	15.60	32.10	4.00	29.70	
6	6.80	7.40	9.40	10.60	5.00	6.60	9.20	3.40	12.00	21.60	5.00	25.80	
7	6.60	7.20	9.00	10.40	5.00	6.00	9.20	3.40	12.00	17.70	5.40	22.50	
8	7.80	7.20	8.20	10.00	5.00	5.80	8.80	3.40	11.60	18.90	26.10	19.50	
9	5.40	7.20	8.00	10.20	5.00	5.60	8.60	3.20	11.00	15.00	35.70	17.70	
10	4.80	7.00	8.00	12.30	10.20	5.60	8.00	17.70	10.40	13.80	10.40	15.90	
11	4.60	7.00	7.60	10.80	24.00	5.60	8.00	16.20	9.60	12.60	7.60	14.40	
12	4.40	9.60	7.60	10.20	11.40	5.60	7.80	9.40	8.80	11.80	6.40	13.80	
13	4.00	7.40	7.40	11.00	18.00	5.40	7.60	12.30	8.20	11.00	6.00	14.10	
14	4.00	6.80	6.80	12.60	20.40	5.40	7.40	9.20	9.60	10.20	7.80	14.10	
15	4.00	8.00	6.60	9.80	17.40	5.40	8.00	21.30	17.10	9.40	8.20	13.80	
16	3.80	18.60	6.60	9.20	20.10	5.40	12.30	21.30	23.70	8.80	11.20	13.80	
17	3.80	15.60	6.60	9.20	11.20	5.40	11.20	33.30	157.50	8.20	7.40	13.80	
18	3.80	15.00	6.20	9.00	10.00	5.20	11.20	55.80	240.10	7.60	6.00	13.80	
19	3.80	13.50	6.00	9.00	10.00	5.40	10.60	27.00	135.10	7.00	6.60	14.40	
20	3.40	40.50	6.00	8.60	9.80	5.20	10.00	37.50	45.00	6.60	7.00	19.50	
21	8.60	21.00	5.60	8.00	9.60	4.00	10.20	15.30	32.70	6.00	10.20	24.00	
22	12.00	30.60	6.20	7.60	9.20	3.00	9.60	10.80	27.00	5.60	5.40	22.50	
23	15.00	10.80	5.60	7.60	8.00	3.00	13.50	7.00	22.20	5.40	10.40	26.10	
24	8.80	10.20	5.40	7.40	6.20	2.80	13.50	10.60	20.10	5.20	26.70	14.70	
25	8.80	10.40	5.40	7.20	4.80	2.80	10.60	8.40	17.70	5.00	220.30	23.70	
26	12.00	10.00	5.40	6.80	8.20	6.40	10.00	7.40	14.10	4.80	302.20	12.30	
27	30.90	10.00	5.80	6.60	13.50	17.70	6.00	7.20	12.90	4.20	303.40	19.80	
28	26.10	10.00	24.90	5.80	10.80	13.80	4.00	7.40	12.00	4.00	165.50	13.80	
29	24.60	9.40	39.60	5.00	9.80	38.70	32.70	9.80	11.60	3.80		13.20	
30	11.80	11.20	30.00	3.80	9.00	16.80	10.00	7.60	99.80	3.60		11.40	
31		12.60		5.80	8.60		8.60		136.50	3.40		10.40	
Total	274.40	365.00	297.90	327.50	307.80	233.00	318.50	388.90	1310.20	437.40	1216.90	651.20	6128.70 CMSDAY
Mean	9.15	11.77	9.93	10.56	9.93	7.77	10.27	12.96	42.26	14.11	43.46	21.01	16.79 CMS
Max	30.90	40.50	39.60	46.20	24.00	38.70	32.70	55.80	240.10	57.40	303.40	65.40	303.40 CMS
Min	3.40	6.80	5.40	3.80	4.80	2.80	4.00	3.20	8.20	3.40	2.80	10.40	2.80 CMS
Runoff	23.71	31.54	25.74	28.30	26.59	20.13	27.52	33.60	113.20	37.79	105.14	56.26	529.52 MCM
Momentary Peak	413.80 CMS. at 24.73 m. (MSL.) at 01.00 Hours , on Feb 26, 2022												
Runoff Yield	215.27	Liters/Second/Square KM.			Momentary Peak Yield			5305.13	Liters/Second/Square KM.				

WATER YEAR : 2021**Peninsula-Lower East Coast****Pattani River at Ban Pree Kee, Pattani (X.283)**

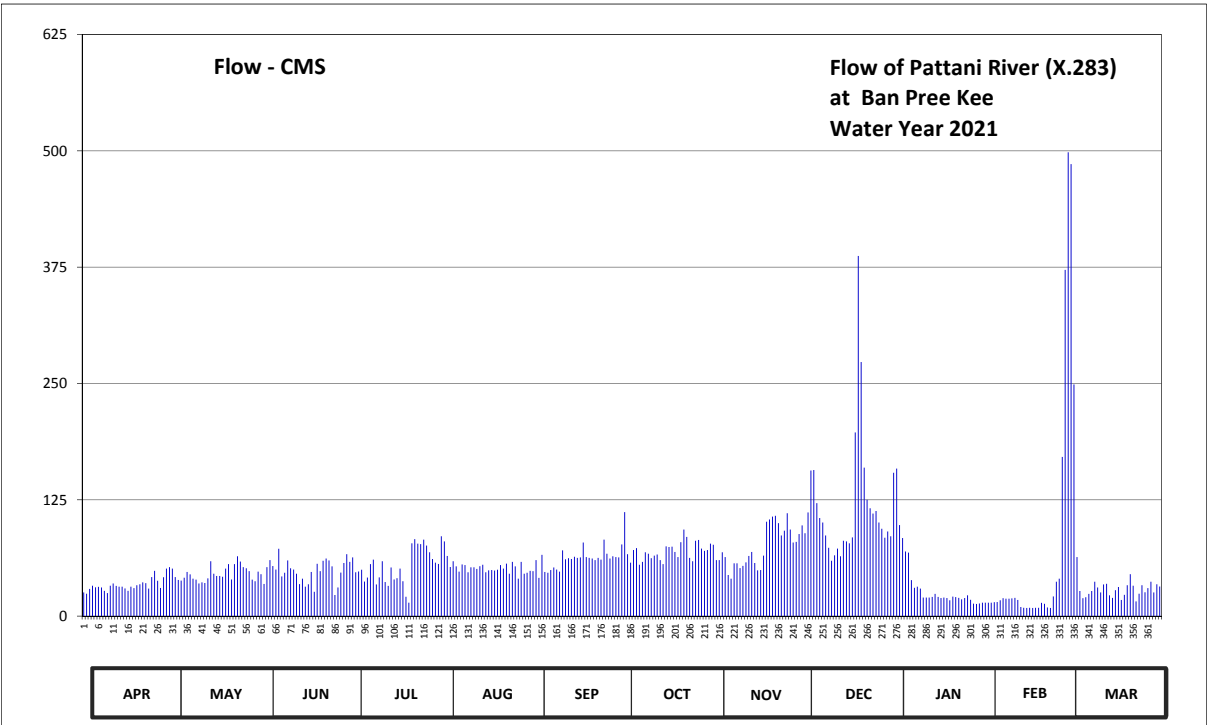
Lat 06 - 42 - 56 N Long 101 - 17 - 07 E

Location : on left bank at the bridge .

	Ban	Pree Kee	Amphoe	Yarang	Changwat	Pattani
Drainage Area	3,527	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 side at the footpath of the bridge.				Elevation	+11.400 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 because of backwater effect.					
Overbank Flow Conditions	Overbank flow starts at elevation + 7.520 m.(MSL.), records are channel flow only.					
General Description	Records fair.Stage-discharge relation defined by 15 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.42	6.60	5.88	6.90	5.18	4.68	5.97	4.68	5.40	6.97	4.85	10.33	
2	5.35	6.25	6.64	6.47	4.79	4.07	4.84	4.68	5.96	5.62	4.85	9.22	
3	5.61	6.09	6.83	6.50	4.46	4.82	4.61	4.89	6.93	5.27	4.89	6.91	
4	5.78	6.06	6.67	6.56	4.65	4.28	4.95	4.76	6.94	4.91	4.91	5.50	
5	5.70	6.21	6.57	6.01	4.48	4.25	5.00	4.17	6.21	4.88	5.00	5.11	
6	5.72	6.48	7.12	6.22	4.29	4.35	4.54	4.04	5.81	6.08	5.11	5.16	
7	5.69	6.39	6.28	6.72	4.55	4.44	4.63	4.59	5.69	5.67	5.09	5.34	
8	5.51	6.16	6.45	6.84	4.53	4.37	4.89	4.59	5.34	5.73	5.09	5.50	
9	5.39	6.11	6.82	5.85	4.27	4.29	4.85	4.42	5.01	5.63	5.10	6.00	
10	5.78	5.90	6.61	6.23	4.45	4.94	4.73	4.50	4.66	5.15	5.13	5.69	
11	5.90	5.96	6.57	6.80	4.45	4.70	4.80	4.62	4.81	5.15	5.02	5.42	
12	5.77	5.93	6.42	5.98	4.39	4.73	4.83	4.79	4.99	5.15	4.38	5.85	
13	5.73	6.18	5.87	5.77	4.49	4.71	4.68	4.90	4.78	5.18	4.30	5.89	
14	5.73	6.80	6.16	6.63	4.54	4.77	4.56	4.60	5.20	5.34	4.28	5.27	
15	5.64	6.42	5.73	6.12	4.27	4.74	5.05	4.34	5.18	5.18	4.29	5.13	
16	5.51	6.31	5.86	6.19	4.34	4.75	5.03	4.35	5.13	5.12	4.28	5.54	
17	5.73	6.31	6.48	6.60	4.35	5.15	5.04	4.80	5.29	5.15	4.29	5.71	
18	5.65	6.26	5.46	6.02	4.33	4.76	4.90	5.71	7.62	5.12	4.30	5.02	
19	5.81	6.60	6.73	5.19	4.36	4.74	4.76	5.77	9.50	5.00	4.83	5.29	
20	5.86	6.72	6.51	4.84	4.53	4.72	5.16	5.85	8.53	5.20	4.72	5.81	
21	5.96	6.12	6.81	5.13	4.40	4.68	5.50	5.87	6.99	5.17	4.32	6.40	
22	5.92	6.72	6.87	5.24	4.58	4.74	5.30	5.67	6.30	5.13	4.27	5.78	
23	5.63	6.93	6.82	5.12	4.22	4.69	4.74	5.34	6.07	5.05	5.21	4.94	
24	6.25	6.79	6.66	5.11	4.63	5.23	4.65	5.47	5.93	5.12	6.00	5.35	
25	6.52	6.64	5.28	5.23	4.48	4.85	5.20	5.94	6.00	5.27	6.16	5.81	
26	6.05	6.61	5.69	5.07	4.04	4.72	5.22	5.50	5.69	5.03	8.59	5.43	
27	5.66	6.51	6.46	4.89	4.63	4.78	4.99	5.15	5.52	4.74	9.91	5.65	
28	6.24	6.11	6.75	4.71	4.22	4.76	4.93	5.17	5.28	4.71	10.37	6.00	
29	6.60	6.02	6.99	4.61	4.25	4.75	4.95	5.38	5.45	4.75		5.42	
30	6.64	6.49	6.78	4.57	4.32	5.10	5.12	5.61	5.32	4.84		5.86	
31		6.40		5.32	4.31		5.09		6.88	4.85		5.74	
Mean	5.83	6.36	6.43	5.79	4.44	4.69	4.95	5.00	5.95	5.23	5.34	5.87	
Max	6.64	6.93	7.12	6.90	5.18	5.23	5.97	5.94	9.50	6.97	10.37	10.33	10.37
Min	5.35	5.90	5.28	4.57	4.04	4.07	4.54	4.04	4.66	4.71	4.27	4.94	4.04
Annual Max Momentary Gage Height	10.46		m. (MSL.) ,			at 22.00 Hours ,	on Feb 28, 2022						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	2.08	m. (MSL.)					
Left Bank Elevation		7.51	m. (MSL.) ,										
Right Bank Elevation		10.09	m. (MSL.) ,			Drainage Are	3,527	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022														
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	25.40	51.00	34.60	63.00	80.20	60.20	111.80	60.20	89.00	158.50	14.50	485.60		
2	24.00	42.00	52.60	47.10	64.60	41.10	66.60	60.20	111.40	97.80	14.50	249.00		
3	29.20	38.80	60.20	48.00	52.80	65.80	57.40	68.60	156.50	83.80	14.90	63.40		
4	32.60	38.20	53.80	49.80	59.00	47.40	71.00	63.40	157.00	69.40	15.20	27.00		
5	31.00	41.20	50.10	37.20	53.40	46.50	73.00	44.10	121.40	68.20	17.00	19.20		
6	31.40	47.40	72.40	41.40	47.70	49.50	55.20	40.20	105.40	38.60	19.20	20.20		
7	30.80	44.80	42.60	55.80	55.50	52.20	58.20	56.70	100.60	30.40	18.80	23.80		
8	27.20	40.20	46.50	60.60	54.90	50.10	68.60	56.70	86.60	31.60	18.80	27.00		
9	24.80	39.20	59.80	34.00	47.10	47.70	67.00	51.60	73.40	29.60	19.00	37.00		
10	32.60	35.00	51.40	41.60	52.50	70.60	62.20	54.00	59.40	20.00	19.60	30.80		
11	35.00	36.20	50.10	59.00	52.50	61.00	65.00	57.80	65.40	20.00	17.40	25.40		
12	32.40	35.60	45.60	36.60	50.70	62.20	66.20	64.60	72.60	20.00	9.80	34.00		
13	31.60	40.60	34.40	32.40	53.70	61.40	60.20	69.00	64.20	20.60	9.00	34.80		
14	31.60	59.00	40.20	52.20	55.20	63.80	55.80	57.00	81.00	23.80	8.80	22.40		
15	29.80	45.60	31.60	39.40	47.10	62.60	75.00	49.20	80.20	20.60	8.90	19.60		
16	27.20	43.20	34.20	40.80	49.20	63.00	74.20	49.50	78.20	19.40	8.80	27.80		
17	31.60	43.20	47.40	51.00	49.50	79.00	74.60	65.00	84.60	20.00	8.90	31.20		
18	30.00	42.20	26.20	37.40	48.90	63.40	69.00	101.40	197.40	19.40	9.00	17.40		
19	33.20	51.00	56.20	20.80	49.80	62.60	63.40	103.80	387.00	17.00	14.30	22.80		
20	34.20	55.80	48.30	14.40	54.90	61.80	79.40	107.00	273.00	21.00	13.20	33.20		
21	36.20	39.40	59.40	78.20	51.00	60.20	93.00	107.80	159.50	20.40	9.20	45.00		
22	35.40	55.80	61.80	82.60	56.40	62.60	85.00	99.80	125.00	19.60	8.70	32.60		
23	29.60	64.20	59.80	77.80	45.60	60.60	62.60	86.60	115.80	18.00	21.20	15.80		
24	42.00	58.60	53.40	77.40	58.20	82.20	59.00	91.80	110.20	19.40	37.00	24.00		
25	48.60	52.60	22.60	82.20	53.40	67.00	81.00	110.60	113.00	22.40	40.20	33.20		
26	38.00	51.40	30.80	75.80	40.20	61.80	81.80	93.00	100.60	17.60	171.10	25.60		
27	30.20	48.30	46.80	68.60	58.20	64.20	72.60	79.00	93.80	13.40	372.00	30.00		
28	41.80	39.20	57.00	61.40	45.60	63.40	70.20	79.80	84.20	13.10	498.40	37.00		
29	51.00	37.40	66.60	57.40	46.50	63.00	71.00	88.20	91.00	13.50		25.40		
30	52.60	47.70	58.20	56.10	48.60	77.00	77.80	97.40	85.80	14.40		34.20		
31		45.00		85.80	48.30		76.60		154.00	14.50		31.80		
Total	1011.00	1409.80	1454.60	1665.80	1631.20	1833.90	2204.40	2214.00	3677.20	1016.00	1437.40	1586.20	21141.50	CMSDAY
Mean	33.70	45.48	48.49	53.74	52.62	61.13	71.11	73.80	118.62	32.77	51.34	51.17	57.92	CMS
Max	52.60	64.20	72.40	85.80	80.20	82.20	111.80	110.60	387.00	158.50	498.40	485.60	498.40	CMS
Min	24.00	35.00	22.60	14.40	40.20	41.10	55.20	40.20	59.40	13.10	8.70	15.80	8.70	CMS
Runoff	87.35	121.81	125.68	143.93	140.94	158.45	190.46	191.29	317.71	87.78	124.19	137.05	1826.63	MCM
Momentary Peak	528.40 CMS. at 10.46 m. (MSL.) at 22.00 Hours , on Feb 28, 2022													
Runoff Yield	16.42	Liters/Second/Square KM.			Momentary Peak Yield		149.82	Liters/Second/Square KM.						

WATER YEAR : 2021

PENINSULA - WEST COAST

Trang River at Ban Tha Pradu , Trang (X.56)

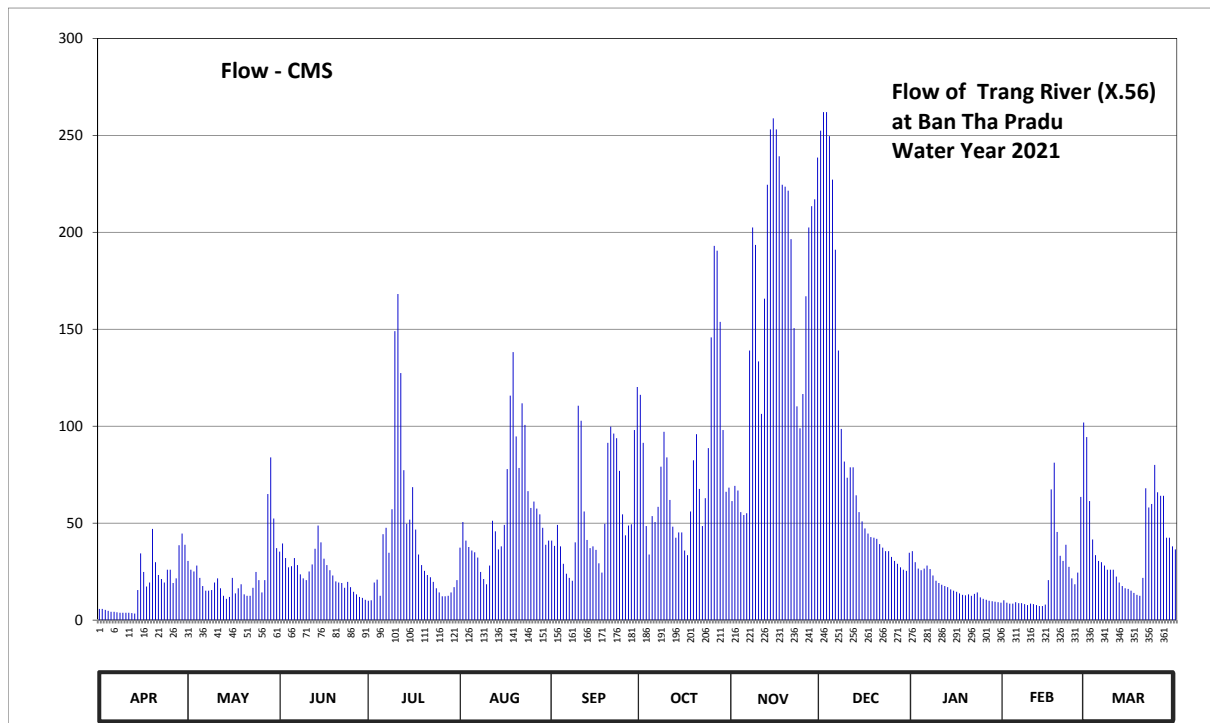
Lat 07 - 46 - 16 N Long 99 - 32 - 14 E

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	+19.353 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 good. Stage-discharge relation defined by 15 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.27	8.15	8.31	7.44	8.38	8.50	10.93	9.18	13.82	8.32	7.45	10.28	
2	7.27	8.00	8.45	7.45	8.82	8.41	10.18	9.44	13.95	8.13	7.40	9.18	
3	7.25	7.97	8.20	7.78	8.50	8.77	8.75	9.36	13.95	8.02	7.38	8.52	
4	7.23	8.07	8.04	7.83	8.39	8.40	8.26	8.99	13.78	7.99	7.38	8.25	
5	7.21	7.86	8.06	7.54	8.33	8.10	8.92	8.94	13.42	8.02	7.41	8.15	
6	7.21	7.72	8.20	8.61	8.30	7.93	8.82	8.97	12.70	8.07	7.39	8.13	
7	7.20	7.64	8.08	8.72	8.21	7.86	9.08	11.50	11.50	8.01	7.39	8.07	
8	7.19	7.64	7.92	8.29	7.96	7.81	9.77	12.93	10.42	7.90	7.37	8.00	
9	7.19	7.65	7.85	9.04	7.84	8.47	10.37	12.75	9.86	7.81	7.35	8.00	
10	7.19	7.78	7.82	11.75	7.75	10.79	9.93	11.36	9.58	7.77	7.38	8.00	
11	7.19	7.85	7.97	12.23	8.07	10.56	9.20	10.68	9.76	7.74	7.37	7.88	
12	7.18	7.68	8.09	11.21	8.84	9.00	8.74	12.17	9.76	7.72	7.35	7.78	
13	7.17	7.54	8.36	9.71	8.66	8.51	8.55	13.37	9.28	7.70	7.33	7.72	
14	7.65	7.48	8.76	8.79	8.35	8.37	8.64	13.83	8.99	7.66	7.33	7.68	
15	8.28	7.52	8.47	8.86	8.40	8.40	8.64	13.91	8.83	7.64	7.36	7.67	
16	7.96	7.86	8.19	9.42	8.77	8.34	8.33	13.83	8.71	7.62	7.82	7.64	
17	7.71	7.59	8.08	8.69	9.73	8.11	8.25	13.62	8.62	7.59	9.38	7.60	
18	7.78	7.68	7.99	8.26	10.92	7.95	9.00	13.37	8.56	7.56	9.84	7.56	
19	8.70	7.75	7.90	8.08	11.48	8.79	9.88	13.35	8.55	7.55	8.65	7.54	
20	8.13	7.57	7.80	7.98	10.29	10.18	10.33	13.31	8.53	7.57	8.24	7.86	
21	7.91	7.54	7.78	7.91	9.75	10.46	9.39	12.81	8.44	7.54	8.15	9.40	
22	7.84	7.54	7.77	7.87	10.82	10.34	8.75	11.79	8.38	7.58	8.43	9.07	
23	7.78	7.69	7.69	7.79	10.49	10.26	9.23	10.78	8.32	7.61	8.05	9.13	
24	8.00	7.96	7.79	7.68	9.35	9.70	10.09	10.43	8.32	7.51	7.85	9.80	
25	8.00	7.82	7.70	7.61	9.06	8.95	11.67	10.94	8.22	7.48	7.75	9.33	
26	7.77	7.61	7.62	7.53	9.17	8.59	12.74	12.20	8.15	7.46	7.95	9.27	
27	7.85	7.82	7.57	7.53	9.05	8.76	12.69	12.93	8.10	7.44	9.25	9.27	
28	8.42	9.30	7.52	7.54	8.95	8.78	11.87	13.15	8.04	7.43	10.53	8.55	
29	8.62	9.93	7.50	7.61	8.72	10.40	10.40	13.22	8.00	7.42		8.55	
30	8.43	8.88	7.46	7.70	8.43	11.03	9.34	13.61	7.98	7.41		8.40	
31		8.37		7.82	8.50		9.41		8.29	7.40		8.35	
Mean	7.69	7.92	7.96	8.46	8.98	9.02	9.68	11.89	9.77	7.70	7.95	8.41	
Max	8.70	9.93	8.76	12.23	11.48	11.03	12.74	13.91	13.95	8.32	10.53	10.28	13.95
Min	7.17	7.48	7.46	7.44	7.75	7.81	8.25	8.94	7.98	7.40	7.33	7.54	7.17
Annual Max Momentary Gage Height	13.99		m. (MSL.) ,			at 20.00 Hours , on Dec 2, 2021							
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	5.77	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	5.75	30.50	35.30	10.00	37.40	41.00	116.20	61.40	252.40	35.60	10.25	94.40		
2	5.75	26.00	39.50	10.25	50.60	38.30	91.40	69.20	262.00	29.90	9.00	61.40		
3	5.25	25.10	32.00	19.40	41.00	49.10	48.50	66.80	262.00	26.60	8.50	41.60		
4	4.75	28.10	27.20	20.90	37.70	38.00	33.80	55.70	249.60	25.70	8.50	33.50		
5	4.25	21.80	27.80	12.50	35.90	29.00	53.60	54.20	227.20	26.60	9.25	30.50		
6	4.25	17.60	32.00	44.30	35.00	23.90	50.60	55.10	191.00	28.10	8.75	29.90		
7	4.00	15.20	28.40	47.60	32.30	21.80	58.40	139.00	139.00	26.30	8.75	28.10		
8	3.80	15.20	23.60	34.70	24.80	20.30	79.10	202.50	98.60	23.00	8.25	26.00		
9	3.80	15.50	21.50	57.20	21.20	40.10	97.10	193.50	81.80	20.30	7.75	26.00		
10	3.80	19.40	20.60	149.00	18.50	110.60	83.90	133.40	73.40	19.10	8.50	26.00		
11	3.80	21.50	25.10	168.20	28.10	102.80	62.00	106.40	78.80	18.20	8.25	22.40		
12	3.60	16.40	28.70	127.40	51.20	56.00	48.20	165.80	78.80	17.60	7.75	19.40		
13	3.40	12.50	36.80	77.30	45.80	41.30	42.50	224.50	64.40	17.00	7.25	17.60		
14	15.50	11.00	48.80	49.70	36.50	37.10	45.20	253.10	55.70	15.80	7.25	16.40		
15	34.40	12.00	40.10	51.80	38.00	38.00	45.20	258.80	50.90	15.20	8.00	16.10		
16	24.80	21.80	31.70	68.60	49.10	36.20	35.90	253.10	47.30	14.60	20.60	15.20		
17	17.30	13.75	28.40	46.70	77.90	29.30	33.50	239.20	44.60	13.75	67.40	14.00		
18	19.40	16.40	25.70	33.80	115.80	24.50	56.00	224.50	42.80	13.00	81.20	13.00		
19	47.00	18.50	23.00	28.40	138.20	49.70	82.40	223.50	42.50	12.75	45.50	12.50		
20	29.90	13.25	20.00	25.40	94.70	91.40	95.90	221.50	41.90	13.25	33.20	21.80		
21	23.30	12.50	19.40	23.30	78.50	99.80	67.70	196.50	39.20	12.50	30.50	68.00		
22	21.20	12.50	19.10	22.10	111.80	96.20	48.50	150.60	37.40	13.50	38.90	58.10		
23	19.40	16.70	16.70	19.70	100.70	93.80	62.90	110.20	35.60	14.30	27.50	59.90		
24	26.00	24.80	19.70	16.40	66.50	77.00	88.70	98.90	35.60	11.75	21.50	80.00		
25	26.00	20.60	17.00	14.30	57.80	54.50	145.80	116.60	32.60	11.00	18.50	65.90		
26	19.10	14.30	14.60	12.25	61.10	43.70	193.00	167.00	30.50	10.50	24.50	64.10		
27	21.50	20.60	13.25	12.25	57.50	48.80	190.50	202.50	29.00	10.00	63.50	64.10		
28	38.60	65.00	12.00	12.50	54.50	49.40	153.80	213.50	27.20	9.75	101.90	42.50		
29	44.60	83.90	11.50	14.30	47.60	98.00	98.00	217.00	26.00	9.50		42.50		
30	38.90	52.40	10.50	17.00	38.90	120.20	66.20	238.60	25.40	9.25		38.00		
31		37.10		20.60	41.00		68.30		34.70	9.00		36.50		
Total	523.10	731.90	749.95	1267.85	1725.60	1699.80	2442.80	4912.60	2737.90	533.40	700.70	1185.40	19211.00	CMSDAY
Mean	17.44	23.61	25.00	40.90	55.66	56.66	78.80	163.75	88.32	17.21	25.02	38.24	52.63	CMS
Max	47.00	83.90	48.80	168.20	138.20	120.20	193.00	258.80	262.00	35.60	101.90	94.40	262.00	CMS
Min	3.40	11.00	10.50	10.00	18.50	20.30	33.50	54.20	25.40	9.00	7.25	12.50	3.40	CMS
Runoff	45.20	63.24	64.80	109.54	149.09	146.86	211.06	424.45	236.55	46.09	60.54	102.42	1659.83	MCM
Momentary Peak		265.20	CMS.	at 13.99 m. (MSL.) at 20.00 Hours , on Dec 2, 2021										
Runoff Yield		37.01	Liters/Second/Square KM.				Momentary Peak Yield		186.50	Liters/Second/Square KM.				

WATER YEAR : 2021

PENINSULA - WEST COAST

Khlong Lamphu La at Ban Lamphu La , Trang (X.110)

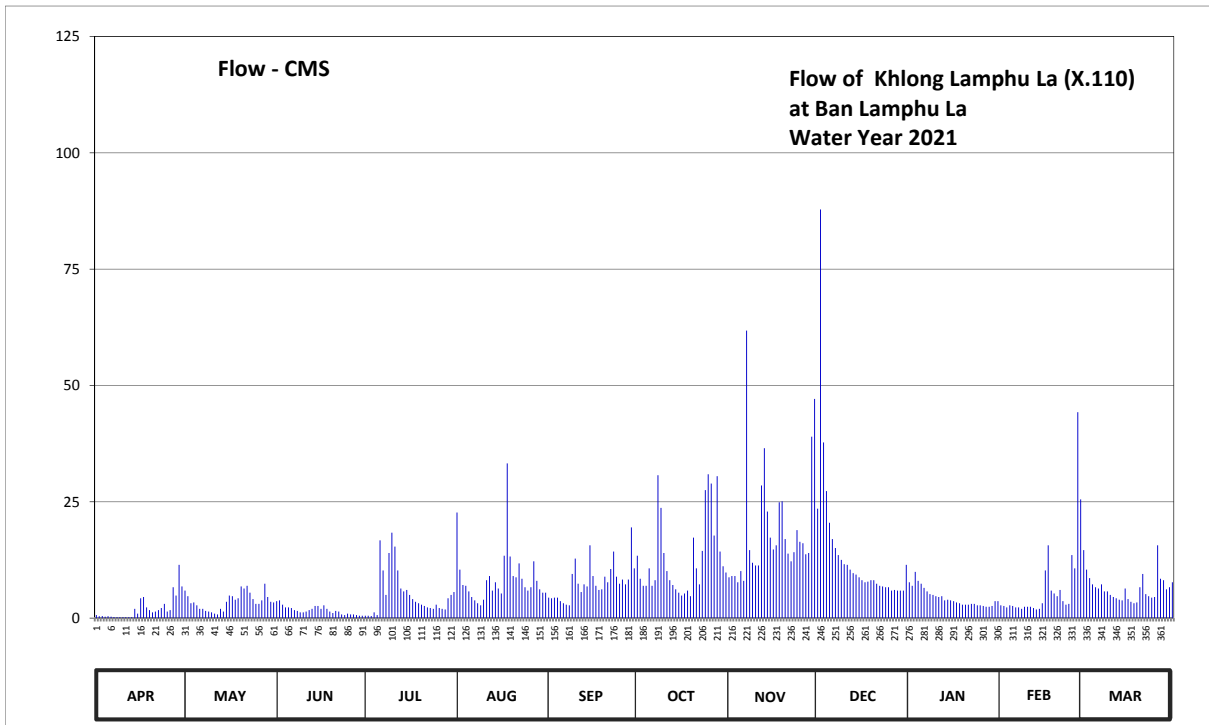
Lat 07 - 40 - 31 N Long 99 - 34 - 55 E

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	Recording		
Basis of Mean Daily Gage Height	5-time daily at 06.00,09.00,12.00,15.00 and 18.00 hours.		
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	No overbank flow.		
General Description	Records fair. Stage-discharge relation defined by 15 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	10.51	10.86	10.71	10.50	11.91	10.76	11.36	11.05	11.95	10.98	10.65	11.44	
2	10.48	10.78	10.72	10.50	11.16	10.75	11.03	11.07	14.17	10.93	10.64	11.16	
3	10.49	10.68	10.66	10.49	10.94	10.76	10.93	11.07	12.61	11.13	10.62	11.04	
4	10.46	10.69	10.62	10.55	10.93	10.76	10.93	10.98	12.14	11.00	10.65	10.95	
5	10.48	10.65	10.62	10.51	10.85	10.71	11.18	11.14	11.80	10.96	10.64	10.91	
6	10.46	10.60	10.61	11.58	10.77	10.68	10.93	11.00	11.60	10.90	10.62	10.89	
7	10.45	10.60	10.58	11.15	10.72	10.66	11.01	13.46	11.47	10.85	10.62	10.95	
8	10.44	10.57	10.57	10.80	10.68	10.65	12.31	11.44	11.37	10.81	10.60	10.85	
9	10.44	10.56	10.55	11.40	10.65	11.10	11.96	11.26	11.30	10.80	10.63	10.85	
10	10.44	10.55	10.55	11.69	10.73	11.32	11.40	11.22	11.24	10.78	10.63	10.80	
11	10.44	10.53	10.56	11.49	11.01	10.96	11.14	11.22	11.23	10.77	10.63	10.77	
12	10.44	10.52	10.58	11.15	11.07	10.84	11.01	12.20	11.16	10.78	10.61	10.75	
13	10.44	10.60	10.60	10.89	10.86	10.95	10.94	12.56	11.11	10.72	10.59	10.73	
14	10.60	10.56	10.64	10.85	10.98	10.92	10.88	11.92	11.09	10.73	10.60	10.72	
15	10.53	10.70	10.64	10.87	10.89	11.51	10.83	11.62	11.05	10.72	10.68	10.89	
16	10.75	10.79	10.60	10.80	10.82	11.07	10.79	11.45	11.01	10.71	11.15	10.74	
17	10.77	10.78	10.65	10.74	11.36	10.93	10.82	11.51	10.98	10.69	11.51	10.70	
18	10.62	10.73	10.60	10.70	12.43	10.87	10.86	12.02	10.99	10.68	10.86	10.68	
19	10.58	10.75	10.56	10.68	11.35	10.88	10.78	12.03	11.01	10.66	10.82	10.69	
20	10.55	10.92	10.54	10.66	11.07	11.06	11.62	11.60	11.01	10.66	10.78	10.91	
21	10.56	10.89	10.57	10.64	11.05	10.98	11.18	11.39	10.96	10.66	10.87	11.10	
22	10.58	10.93	10.56	10.62	11.25	11.17	10.95	11.28	10.93	10.67	10.71	10.81	
23	10.61	10.83	10.52	10.61	11.03	11.42	11.43	11.41	10.92	10.67	10.66	10.78	
24	10.67	10.74	10.51	10.60	10.91	11.06	12.15	11.72	10.91	10.65	10.67	10.76	
25	10.56	10.67	10.53	10.66	10.86	10.96	12.32	11.56	10.91	10.65	11.37	10.77	
26	10.58	10.67	10.52	10.61	10.91	11.02	12.22	11.54	10.86	10.64	11.18	11.51	
27	10.91	10.72	10.52	10.60	11.28	10.95	11.65	11.38	10.87	10.63	12.87	11.03	
28	10.79	10.96	10.51	10.59	11.00	11.02	12.30	11.40	10.86	10.63	12.05	11.01	
29	11.23	10.77	10.50	10.75	10.88	11.75	11.42	12.66	10.86	10.64		10.88	
30	10.92	10.70	10.50	10.80	10.83	11.18	11.21	12.97	10.86	10.71		10.91	
31		10.69		10.84	10.83		11.12		11.23	10.71		10.98	
Mean	10.59	10.71	10.58	10.82	11.03	10.99	11.31	11.64	11.31	10.76	10.89	10.90	
Max	11.23	10.96	10.72	11.69	12.43	11.75	12.32	13.46	14.17	11.13	12.87	11.51	14.17
Min	10.44	10.52	10.50	10.49	10.65	10.65	10.78	10.98	10.86	10.63	10.59	10.68	10.44
Annual Max Momentary Gage Height	14.39		m. (MSL.) ,			at 18.00 Hours ,	on Dec 2, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	10.11	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.65	5.90	3.65	0.50	22.70	4.40	13.40	8.75	23.50	7.70	2.75	14.60		
2	0.40	4.70	3.80	0.50	10.40	4.25	8.45	9.05	87.80	6.95	2.60	10.40		
3	0.45	3.20	2.90	0.45	7.10	4.40	6.95	9.05	37.75	9.95	2.30	8.60		
4	0.30	3.35	2.30	1.25	6.95	4.40	6.95	7.70	27.30	8.00	2.75	7.25		
5	0.40	2.75	2.30	0.65	5.75	3.65	10.70	10.10	20.50	7.40	2.60	6.65		
6	0.30	2.00	2.15	16.70	4.55	3.20	6.95	8.00	17.00	6.50	2.30	6.35		
7	0.25	2.00	1.70	10.25	3.80	2.90	8.15	61.80	15.05	5.75	2.30	7.25		
8	0.20	1.55	1.55	5.00	3.20	2.75	30.70	14.60	13.55	5.15	2.00	5.75		
9	0.20	1.40	1.25	14.00	2.75	9.50	23.70	11.90	12.50	5.00	2.45	5.75		
10	0.20	1.25	1.25	18.35	3.95	12.80	14.00	11.30	11.60	4.70	2.45	5.00		
11	0.20	0.95	1.40	15.35	8.15	7.40	10.10	11.30	11.45	4.55	2.45	4.55		
12	0.20	0.80	1.70	10.25	9.05	5.60	8.15	28.50	10.40	4.70	2.15	4.25		
13	0.20	2.00	2.00	6.35	5.90	7.25	7.10	36.50	9.65	3.80	1.85	3.95		
14	2.00	1.40	2.60	5.75	7.70	6.80	6.20	22.90	9.35	3.95	2.00	3.80		
15	0.95	3.50	2.60	6.05	6.35	15.65	5.45	17.30	8.75	3.80	3.20	6.35		
16	4.25	4.85	2.00	5.00	5.30	9.05	4.85	14.75	8.15	3.65	10.25	4.10		
17	4.55	4.70	2.75	4.10	13.40	6.95	5.30	15.65	7.70	3.35	15.65	3.50		
18	2.30	3.95	2.00	3.50	33.25	6.05	5.90	24.90	7.85	3.20	5.90	3.20		
19	1.70	4.25	1.40	3.20	13.25	6.20	4.70	25.10	8.15	2.90	5.30	3.35		
20	1.25	6.80	1.10	2.90	9.05	8.90	17.30	17.00	8.15	2.90	4.70	6.65		
21	1.40	6.35	1.55	2.60	8.75	7.70	10.70	13.85	7.40	2.90	6.05	9.50		
22	1.70	6.95	1.40	2.30	11.75	10.55	7.25	12.20	6.95	3.05	3.65	5.15		
23	2.15	5.45	0.80	2.15	8.45	14.30	14.45	14.15	6.80	3.05	2.90	4.70		
24	3.05	4.10	0.65	2.00	6.65	8.90	27.50	18.90	6.65	2.75	3.05	4.40		
25	1.40	3.05	0.95	2.90	5.90	7.40	30.90	16.40	6.65	2.75	13.55	4.55		
26	1.70	3.05	0.80	2.15	6.65	8.30	28.90	16.10	5.90	2.60	10.70	15.65		
27	6.65	3.80	0.80	2.00	12.20	7.25	17.75	13.70	6.05	2.45	44.25	8.45		
28	4.85	7.40	0.65	1.85	8.00	8.30	30.50	14.00	5.90	2.45	25.50	8.15		
29	11.45	4.55	0.50	4.25	6.20	19.50	14.30	39.00	5.90	2.60		6.20		
30	6.80	3.50	0.50	5.00	5.45	10.70	11.15	47.10	5.90	3.65		6.65		
31		3.35		5.60	5.45		9.80		11.45	3.65		7.70		
Total	62.10	112.85	51.00	162.90	268.00	235.00	408.20	571.55	431.70	135.80	187.60	202.40	2829.10	CMSDAY
Mean	2.07	3.64	1.70	5.25	8.65	7.83	13.17	19.05	13.93	4.38	6.70	6.53	7.75	CMS
Max	11.45	7.40	3.80	18.35	33.25	19.50	30.90	61.80	87.80	9.95	44.25	15.65	87.80	CMS
Min	0.20	0.80	0.50	0.45	2.75	2.75	4.70	7.70	5.90	2.45	1.85	3.20	0.20	CMS
Runoff	5.37	9.75	4.41	14.07	23.16	20.30	35.27	49.38	37.30	11.73	16.21	17.49	244.43	MCM
Momentary Peak	CMS. at 14.39 m. (MSL.) at 18.00 Hours , on Dec 2, 2021													
Runoff Yield	30.16	Liters/Second/Square KM.				Momentary Peak Yield		375.88	Liters/Second/Square KM.					

WATER YEAR : 2021

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
Drainge Area	159 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (A.D.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank at the abutment of the bridge.	Elevation	+6.999 m. (A.D.)
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	No overbank flow.		
General Description	Records fair. Stage-discharge relation defined by 15 discharge measurements made in 2021.		

Gage Height in Meter (A.D.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.65	1.35	1.38	1.53	4.02	1.23	2.27	1.47	1.95	1.57	0.77	1.18	
2	0.72	1.18	1.40	1.26	1.99	1.73	1.85	1.86	3.34	1.54	0.75	1.09	
3	0.80	0.97	1.31	1.41	1.63	1.39	1.64	1.59	2.22	1.55	0.80	1.01	
4	0.95	0.94	1.17	1.25	1.65	1.23	1.53	1.42	1.92	1.44	0.79	0.96	
5	0.84	0.94	1.17	1.42	1.53	1.16	1.66	1.53	1.77	1.33	0.74	0.96	
6	0.75	0.96	1.21	2.93	1.41	1.11	1.84	1.95	1.68	1.24	0.72	1.06	
7	0.76	0.92	1.40	2.93	1.26	1.20	2.29	2.27	1.61	1.17	0.71	1.05	
8	0.70	0.93	1.35	1.94	1.23	1.30	2.53	1.47	1.54	1.13	0.82	0.94	
9	0.64	0.97	1.18	2.58	1.20	2.61	1.78	1.53	1.47	1.08	0.74	1.04	
10	0.58	0.93	1.55	3.44	1.27	2.51	1.72	1.55	1.45	1.05	0.73	0.93	
11	0.56	0.90	1.44	2.32	1.64	1.67	1.59	1.64	1.41	1.03	0.71	0.89	
12	0.57	0.96	1.36	1.79	1.51	1.49	1.52	2.00	1.37	0.98	0.69	0.86	
13	0.81	1.15	1.34	1.64	1.27	1.65	1.46	1.92	1.31	0.97	0.68	0.84	
14	1.12	0.94	1.40	1.57	1.21	1.77	1.38	1.83	1.29	0.95	0.76	0.88	
15	0.76	0.88	1.31	1.56	1.22	1.75	1.35	1.51	1.27	0.94	0.96	0.96	
16	0.86	1.22	1.15	1.36	1.26	1.43	1.30	1.57	1.23	0.92	0.84	0.84	
17	0.89	1.17	1.17	1.25	1.25	1.64	1.27	1.66	1.24	0.91	0.96	0.82	
18	0.83	1.37	1.12	1.20	1.21	1.68	1.26	2.66	1.23	0.89	0.84	0.80	
19	0.93	1.73	1.00	1.19	1.36	1.54	1.53	2.69	1.19	0.87	0.76	0.81	
20	0.67	1.36	1.21	1.14	1.42	1.87	3.11	3.25	1.17	0.86	0.73	0.92	
21	0.80	1.46	1.30	1.09	1.31	1.98	1.58	2.60	1.16	0.85	0.70	0.83	
22	1.09	1.65	1.08	1.06	1.28	2.42	1.35	2.16	1.15	0.84	0.70	0.79	
23	1.29	1.49	1.08	1.02	1.27	2.00	1.47	1.95	1.12	0.82	0.69	0.82	
24	1.48	1.47	1.09	0.94	1.28	1.65	2.30	2.50	1.10	0.81	0.73	0.95	
25	1.21	1.17	1.14	0.96	1.29	1.57	2.53	1.95	1.07	0.80	0.93	1.17	
26	1.10	1.29	1.10	1.01	1.43	1.60	1.50	1.65	1.04	0.78	2.00	1.72	
27	1.18	1.52	1.04	1.03	1.30	1.61	1.64	1.72	1.03	0.77	3.01	1.46	
28	1.36	2.19	1.42	1.03	1.23	1.99	1.69	1.76	1.02	0.76	1.41	1.07	
29	1.32	1.38	1.56	1.03	1.19	3.16	1.42	2.24	1.00	0.75		1.13	
30	1.30	1.28	1.55	1.43	1.15	2.64	1.71	1.71	1.54	0.80		1.03	
31		1.26		1.62	1.18		1.61		1.29	0.86		1.56	
Mean	0.92	1.22	1.27	1.55	1.43	1.75	1.73	1.92	1.43	1.01	0.92	1.01	
Max	1.48	2.19	1.56	3.44	4.02	3.16	3.11	3.25	3.34	1.57	3.01	1.72	4.02
Min	0.56	0.88	1.00	0.94	1.15	1.11	1.26	1.42	1.00	0.75	0.68	0.79	0.56
Annual Max Momentary Gage Height	4.79		m. (A.D.) ,			at 05.00 Hours , on Aug 1, 2021							
Zero Gage at Bottom Elevation		0.00	m. (A.D.) ,			River Bed -0.62	m. (A.D.)						
Left Bank Elevation		5.06	m. (A.D.) ,										
Right Bank Elevation		4.95	m. (A.D.) ,			Drainage Are	159	Square Kilometers					

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.70	9.00	9.30	10.80	66.80	7.80	21.05	10.20	16.25	11.20	3.66	7.30	
2	3.26	7.30	9.50	8.10	16.85	12.95	14.75	14.90	40.00	10.90	3.50	6.40	
3	3.90	5.26	8.60	9.60	11.80	9.40	11.90	11.40	20.30	11.00	3.90	5.60	
4	5.10	5.02	7.20	8.00	12.00	7.80	10.80	9.70	15.80	9.90	3.82	5.18	
5	4.22	5.02	7.20	9.70	10.80	7.10	12.10	10.80	13.55	8.80	3.42	5.18	
6	3.50	5.18	7.60	31.10	9.60	6.60	14.60	16.25	12.30	7.90	3.26	6.10	
7	3.58	4.86	9.50	31.10	8.10	7.50	21.35	21.05	11.60	7.20	3.18	6.00	
8	3.10	4.94	9.00	16.10	7.80	8.50	24.95	10.20	10.90	6.80	4.06	5.02	
9	2.62	5.26	7.30	25.70	7.50	26.15	13.70	10.80	10.20	6.30	3.42	5.90	
10	2.14	4.94	11.00	42.70	8.20	24.65	12.80	11.00	10.00	6.00	3.34	4.94	
11	1.98	4.70	9.90	21.80	11.90	12.20	11.40	11.90	9.60	5.80	3.18	4.62	
12	2.06	5.18	9.10	13.85	10.60	10.40	10.70	17.00	9.20	5.34	3.02	4.38	
13	3.98	7.00	8.90	11.90	8.20	12.00	10.10	15.80	8.60	5.26	2.94	4.22	
14	6.70	5.02	9.50	11.20	7.60	13.55	9.30	14.45	8.40	5.10	3.58	4.54	
15	3.58	4.54	8.60	11.10	7.70	13.25	9.00	10.60	8.20	5.02	5.18	5.18	
16	4.38	7.70	7.00	9.10	8.10	9.80	8.50	11.20	7.80	4.86	4.22	4.22	
17	4.62	7.20	7.20	8.00	8.00	11.90	8.20	12.10	7.90	4.78	5.18	4.06	
18	4.14	9.20	6.70	7.50	7.60	12.30	8.10	26.90	7.80	4.62	4.22	3.90	
19	4.94	12.95	5.50	7.40	9.10	10.90	10.80	27.35	7.40	4.46	3.58	3.98	
20	2.86	9.10	7.60	6.90	9.70	15.05	34.70	37.75	7.20	4.38	3.34	4.86	
21	3.90	10.10	8.50	6.40	8.60	16.70	11.30	26.00	7.10	4.30	3.10	4.14	
22	6.40	12.00	6.30	6.10	8.30	23.30	9.00	19.40	7.00	4.22	3.10	3.82	
23	8.40	10.40	6.30	5.70	8.20	17.00	10.20	16.25	6.70	4.06	3.02	4.06	
24	10.30	10.20	6.40	5.02	8.30	12.00	21.50	24.50	6.50	3.98	3.34	5.10	
25	7.60	7.20	6.90	5.18	8.40	11.20	24.95	16.25	6.20	3.90	4.94	7.20	
26	6.50	8.40	6.50	5.60	9.80	11.50	10.50	12.00	5.90	3.74	17.00	12.80	
27	7.30	10.70	5.90	5.80	8.50	11.60	11.90	12.80	5.80	3.66	32.70	10.10	
28	9.10	19.85	9.70	5.80	7.80	16.85	12.40	13.40	5.70	3.58	9.60	6.20	
29	8.70	9.30	11.10	5.80	7.40	35.70	9.70	20.60	5.50	3.50		6.80	
30	8.50	8.30	11.00	9.80	7.00	26.60	12.65	12.65	10.90	3.90		5.80	
31		8.10		11.70	7.30		11.60		8.40	4.38		11.10	
Total	150.06	243.92	244.80	374.55	337.55	422.25	424.50	485.20	318.70	178.84			

WATER YEAR : 2021

PENINSULA - WEST COAST

Khlong Lam Lon at Ban U-Dai Tai , Satun (X.148)

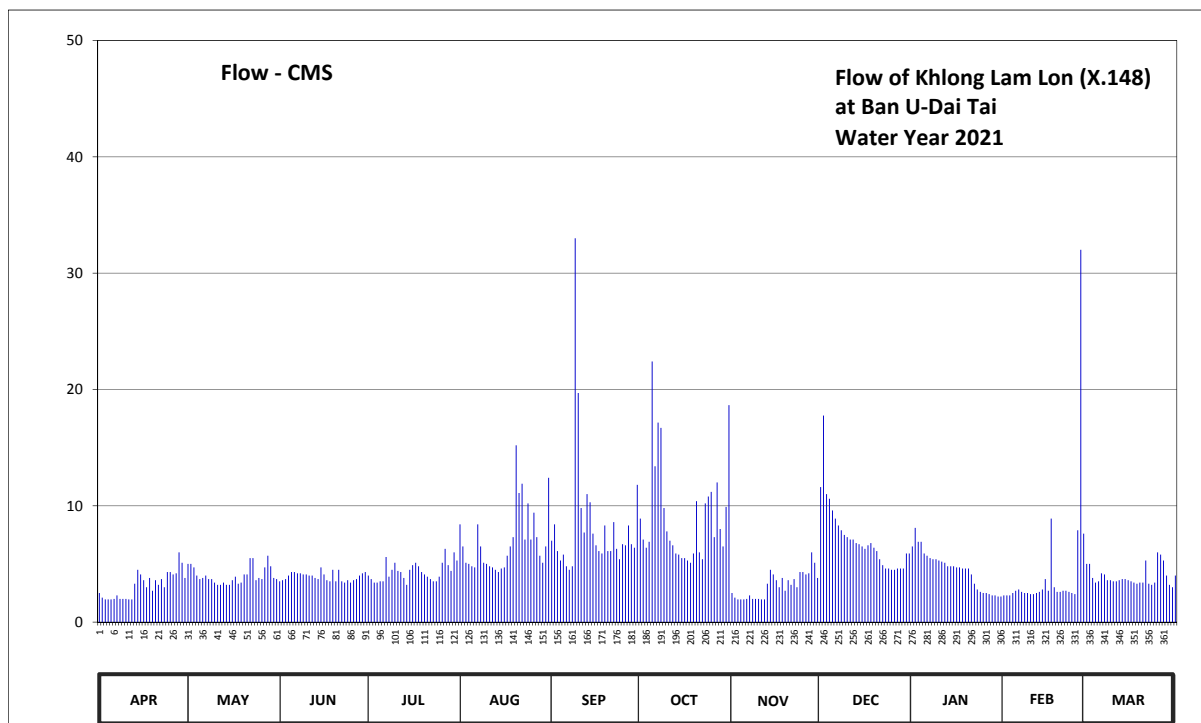
Lat 06 - 55 - 42 N Long 99 - 56 - 09 E

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	Recording.		
Basis of Mean Daily Gage Height	5-time daily reading at 06.00,09.00,12.00,15.00,18.00 hours.		
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	Fairly stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Stage-discharge relation defined by 12 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	23.45	23.70	23.55	23.60	24.04	23.90	24.09	23.45	24.36	23.85	23.43	23.70	
2	23.41	23.70	23.56	23.57	23.85	24.04	23.91	23.41	24.85	24.01	23.43	23.70	
3	23.39	23.67	23.57	23.54	23.71	23.81	23.84	23.39	24.30	23.89	23.43	23.58	
4	23.39	23.60	23.60	23.54	23.70	23.73	23.89	23.39	24.26	23.89	23.45	23.54	
5	23.39	23.57	23.63	23.55	23.68	23.78	25.12	23.39	24.16	23.79	23.47	23.55	
6	23.40	23.58	23.63	23.55	23.67	23.68	24.54	23.40	24.09	23.77	23.48	23.62	
7	23.43	23.60	23.62	23.76	24.04	23.65	24.81	23.43	24.03	23.75	23.46	23.61	
8	23.40	23.57	23.62	23.59	23.85	23.68	24.78	23.40	23.99	23.74	23.45	23.56	
9	23.40	23.57	23.61	23.65	23.71	25.65	24.18	23.40	23.95	23.74	23.45	23.56	
10	23.40	23.54	23.61	23.71	23.70	24.98	23.98	23.40	23.93	23.73	23.44	23.55	
11	23.39	23.52	23.60	23.64	23.68	24.18	23.90	23.39	23.91	23.72	23.44	23.55	
12	23.39	23.52	23.60	23.63	23.67	23.97	23.86	23.39	23.91	23.71	23.45	23.56	
13	23.53	23.54	23.58	23.58	23.65	24.30	23.79	23.53	23.88	23.68	23.46	23.57	
14	23.65	23.52	23.57	23.52	23.63	24.23	23.78	23.65	23.87	23.68	23.48	23.57	
15	23.61	23.52	23.67	23.65	23.66	23.96	23.75	23.61	23.85	23.68	23.57	23.56	
16	23.56	23.56	23.61	23.69	23.67	23.86	23.75	23.56	23.83	23.67	23.47	23.55	
17	23.50	23.59	23.56	23.71	23.77	23.81	23.73	23.50	23.86	23.67	24.09	23.54	
18	23.58	23.53	23.55	23.68	23.85	23.79	23.71	23.58	23.88	23.66	23.50	23.53	
19	23.47	23.54	23.65	23.63	23.93	24.03	23.79	23.47	23.84	23.66	23.46	23.54	
20	23.56	23.61	23.55	23.61	24.68	23.81	24.24	23.56	23.81	23.66	23.46	23.54	
21	23.52	23.61	23.65	23.59	24.31	23.81	23.80	23.52	23.74	23.61	23.47	23.73	
22	23.57	23.75	23.55	23.57	24.39	24.06	23.74	23.57	23.69	23.53	23.47	23.53	
23	23.50	23.75	23.54	23.55	23.91	23.83	24.22	23.50	23.66	23.48	23.46	23.52	
24	23.63	23.56	23.56	23.55	24.22	23.74	24.28	23.63	23.66	23.46	23.45	23.54	
25	23.63	23.58	23.54	23.59	23.91	23.87	24.32	23.63	23.65	23.45	23.44	23.80	
26	23.61	23.57	23.56	23.71	24.14	23.86	23.93	23.61	23.65	23.45	23.99	23.78	
27	23.62	23.67	23.57	23.83	23.93	24.03	24.40	23.62	23.66	23.44	25.60	23.73	
28	23.80	23.77	23.60	23.69	23.77	23.87	24.00	23.80	23.66	23.43	23.96	23.60	
29	23.71	23.68	23.62	23.64	23.71	23.84	23.85	23.71	23.66	23.43		23.52	
30	23.58	23.58	23.63	23.80	23.85	24.38	24.19	23.58	23.79	23.42		23.50	
31		23.57		23.73	24.44		24.91		23.79	23.42		23.60	
Mean	23.52	23.60	23.59	23.63	23.89	24.00	24.10	23.52	23.91	23.65	23.60	23.59	
Max	23.80	23.77	23.67	23.83	24.68	25.65	25.12	23.80	24.85	24.01	25.60	23.80	25.65
Min	23.39	23.52	23.54	23.52	23.63	23.65	23.71	23.39	23.65	23.42	23.43	23.50	23.39
Annual Max Momentary Gage Height	26.65		m. (MSL.) ,				at 18.00 Hours , on Aug 20, 2021						
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.50	5.00	3.50	4.00	8.40	7.00	8.90	2.50	11.60	6.50	2.30	5.00		
2	2.10	5.00	3.60	3.70	6.50	8.40	7.10	2.10	17.75	8.10	2.30	5.00		
3	1.95	4.70	3.70	3.40	5.10	6.10	6.40	1.95	11.00	6.90	2.30	3.80		
4	1.95	4.00	4.00	3.40	5.00	5.30	6.90	1.95	10.60	6.90	2.50	3.40		
5	1.95	3.70	4.30	3.50	4.80	5.80	22.40	1.95	9.60	5.90	2.70	3.50		
6	2.00	3.80	4.30	3.50	4.70	4.80	13.40	2.00	8.90	5.70	2.80	4.20		
7	2.30	4.00	4.20	5.60	8.40	4.50	17.15	2.30	8.30	5.50	2.60	4.10		
8	2.00	3.70	4.20	3.90	6.50	4.80	16.70	2.00	7.90	5.40	2.50	3.60		
9	2.00	3.70	4.10	4.50	5.10	33.00	9.80	2.00	7.50	5.40	2.50	3.60		
10	2.00	3.40	4.10	5.10	5.00	19.70	7.80	2.00	7.30	5.30	2.40	3.50		
11	1.95	3.20	4.00	4.40	4.80	9.80	7.00	1.95	7.10	5.20	2.40	3.50		
12	1.95	3.20	4.00	4.30	4.70	7.70	6.60	1.95	7.10	5.10	2.50	3.60		
13	3.30	3.40	3.80	3.80	4.50	11.00	5.90	3.30	6.80	4.80	2.60	3.70		
14	4.50	3.20	3.70	3.20	4.30	10.30	5.80	4.50	6.70	4.80	2.80	3.70		
15	4.10	3.20	4.70	4.50	4.60	7.60	5.50	4.10	6.50	4.80	3.70	3.60		
16	3.60	3.60	4.10	4.90	4.70	6.60	5.50	3.60	6.30	4.70	2.70	3.50		
17	3.00	3.90	3.60	5.10	5.70	6.10	5.30	3.00	6.60	4.70	8.90	3.40		
18	3.80	3.30	3.50	4.80	6.50	5.90	5.10	3.80	6.80	4.60	3.00	3.30		
19	2.70	3.40	4.50	4.30	7.30	8.30	5.90	2.70	6.40	4.60	2.60	3.40		
20	3.60	4.10	3.50	4.10	15.20	6.10	10.40	3.60	6.10	4.60	2.60	3.40		
21	3.20	4.10	4.50	3.90	11.10	6.10	6.00	3.20	5.40	4.10	2.70	5.30		
22	3.70	5.50	3.50	3.70	11.90	8.60	5.40	3.70	4.90	3.30	2.70	3.30		
23	3.00	5.50	3.40	3.50	7.10	6.30	10.20	3.00	4.60	2.80	2.60	3.20		
24	4.30	3.60	3.60	3.50	10.20	5.40	10.80	4.30	4.60	2.60	2.50	3.40		
25	4.30	3.80	3.40	3.90	7.10	6.70	11.20	4.30	4.50	2.50	2.40	6.00		
26	4.10	3.70	3.60	5.10	9.40	6.60	7.30	4.10	4.50	2.50	7.90	5.80		
27	4.20	4.70	3.70	6.30	7.30	8.30	12.00	4.20	4.60	2.40	32.00	5.30		
28	6.00	5.70	4.00	4.90	5.70	6.70	8.00	6.00	4.60	2.30	7.60	4.00		
29	5.10	4.80	4.20	4.40	5.10	6.40	6.50	5.10	4.60	2.30		3.20		
30	3.80	3.80	4.30	6.00	6.50	11.80	9.90	3.80	5.90	2.20		3.00		
31		3.70		5.30	12.40		18.65		5.90	2.20		4.00		
Total	94.95	124.40	117.60	134.50	215.60	251.70	285.50	94.95	220.95	138.70	119.10	121.30	1919.25	CMSDAY
Mean	3.17	4.01	3.92	4.34	6.95	8.39	9.21	3.17	7.13	4.47	4.25	3.91	5.26	CMS
Max	6.00	5.70	4.70	6.30	15.20	33.00	22.40	6.00	17.75	8.10	32.00	6.00	33.00	CMS
Min	1.95	3.20	3.40	3.20	4.30	4.50	5.10	1.95	4.50	2.20	2.30	3.00	1.95	CMS
Runoff	8.20	10.75	10.16	11.62	18.63	21.75	24.67	8.20	19.09	11.98	10.29	10.48	165.82	MCM
Momentary Peak	CMS. at 26.65 m. (MSL.) at 18.00 Hours , on Aug 20, 2021													
Runoff Yield	33.49	Liters/Second/Square KM.				Momentary Peak Yield		337.58	Liters/Second/Square KM.					

WATER YEAR : 2021**PENINSULA - WEST COAST****Khlong Langu at Ban Wang Pa Khian , Satun (X.150)**

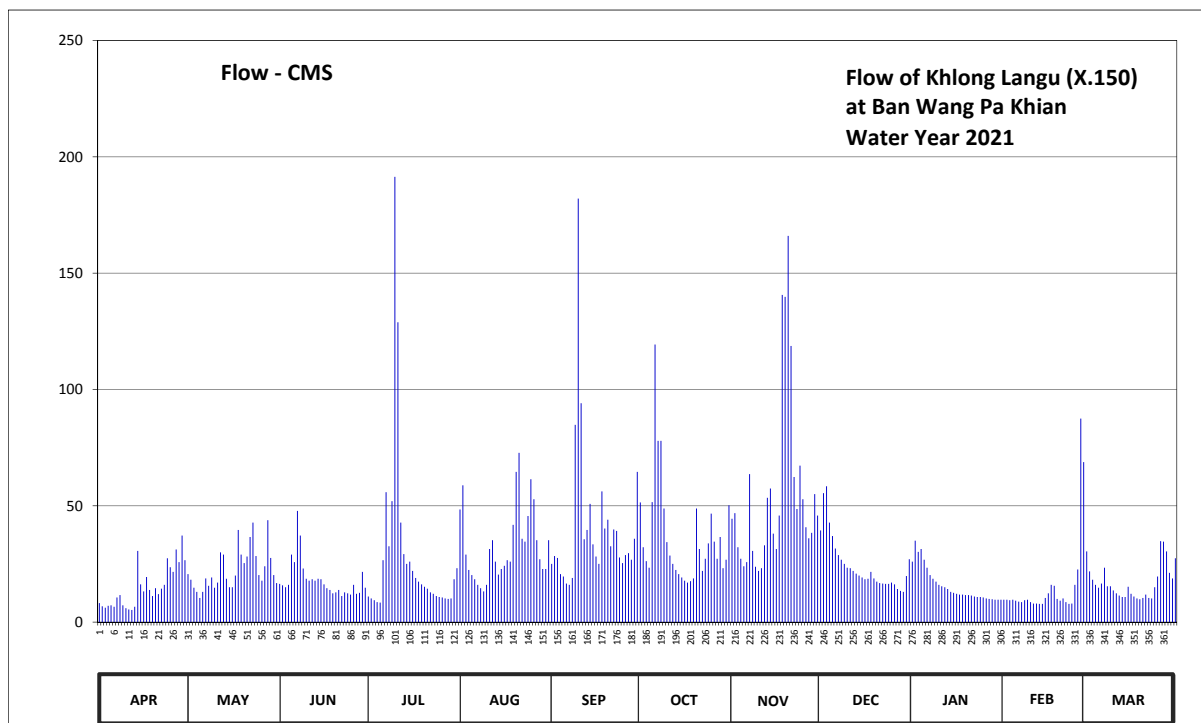
Lat 06 - 56 - 27 N Long 99 - 52 - 22 E

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	+16.164 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 fair. Stage-discharge relation defined by 12 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	5.46	6.08	5.87	5.60	7.47	6.30	7.62	7.27	7.02	6.35	5.53	6.57	
2	5.39	5.96	5.84	5.56	7.99	6.47	6.66	7.39	7.82	6.80	5.53	6.14	
3	5.36	5.79	5.80	5.52	6.50	6.43	6.36	6.66	7.97	6.56	5.52	5.96	
4	5.40	5.70	5.85	5.48	6.17	6.08	6.22	6.41	7.19	6.62	5.53	5.85	
5	5.41	5.57	6.50	5.47	6.06	6.03	7.63	6.25	6.90	6.39	5.51	5.79	
6	5.38	5.70	6.34	6.38	5.97	5.88	10.21	6.34	6.63	6.22	5.49	5.88	
7	5.58	5.99	7.44	7.84	5.85	5.85	8.83	8.23	6.49	6.06	5.48	6.22	
8	5.63	5.83	6.91	6.68	5.78	6.00	8.83	6.58	6.39	5.98	5.52	5.82	
9	5.41	6.01	6.20	7.65	5.71	9.06	7.49	6.24	6.30	5.92	5.53	5.82	
10	5.35	5.79	5.98	11.94	5.85	11.76	6.77	6.15	6.22	5.85	5.48	5.73	
11	5.32	5.90	5.94	10.51	6.62	9.37	6.48	6.21	6.21	5.82	5.45	5.67	
12	5.31	6.55	5.97	7.19	6.81	6.83	6.30	6.70	6.15	5.80	5.45	5.62	
13	5.38	6.50	5.94	6.51	6.35	7.03	6.17	7.72	6.09	5.76	5.44	5.59	
14	6.58	5.98	5.98	6.30	6.07	7.59	6.08	7.92	6.05	5.70	5.44	5.59	
15	5.86	5.80	5.97	6.35	6.19	6.72	6.01	6.95	6.01	5.68	5.57	5.81	
16	5.71	5.80	5.86	6.15	6.26	6.46	5.94	6.62	5.97	5.66	5.67	5.66	
17	6.02	6.05	5.78	6.00	6.38	6.30	5.90	7.34	5.98	5.64	5.85	5.60	
18	5.74	7.03	5.74	5.92	6.35	7.86	5.93	10.84	6.13	5.64	5.83	5.56	
19	5.61	6.50	5.67	5.86	7.14	7.06	5.99	10.82	5.99	5.63	5.55	5.54	
20	5.78	6.32	5.69	5.81	8.28	7.25	7.49	11.44	5.92	5.63	5.51	5.57	
21	5.65	6.46	5.74	5.77	8.63	6.68	6.62	10.19	5.89	5.62	5.56	5.64	
22	5.77	6.88	5.61	5.69	6.84	7.04	6.15	8.17	5.88	5.60	5.48	5.57	
23	5.85	7.19	5.69	5.66	6.78	7.01	6.41	7.48	5.87	5.59	5.44	5.56	
24	6.42	6.47	5.67	5.61	7.33	6.44	6.74	8.41	5.87	5.59	5.45	5.80	
25	6.23	6.06	5.64	5.59	8.12	6.32	7.38	7.69	5.90	5.58	5.85	6.03	
26	6.13	5.94	5.85	5.58	7.69	6.49	6.78	7.09	5.86	5.56	6.18	6.79	
27	6.61	6.25	5.66	5.56	6.81	6.53	6.41	6.85	5.76	5.55	9.15	6.78	
28	6.34	7.24	5.68	5.55	6.40	6.39	6.88	6.97	5.72	5.54	8.47	6.57	
29	6.91	6.43	6.13	5.56	6.19	6.84	6.21	7.80	5.70	5.53		6.11	
30	6.38	6.06	5.79	5.97	6.19	8.28	6.39	7.34	6.04	5.53		5.99	
31		5.89		6.21	6.81		7.56		6.40	5.53		6.42	
Mean	5.80	6.18	5.96	6.37	6.70	7.01	6.85	7.60	6.27	5.84	5.80	5.91	
Max	6.91	7.24	7.44	11.94	8.63	11.76	10.21	11.44	7.97	6.80	9.15	6.79	11.94
Min	5.31	5.57	5.61	5.47	5.71	5.85	5.90	6.15	5.70	5.53	5.44	5.54	5.31
Annual Max Momentary Gage Height	12.15		m. (MSL.) ,			at 16.00 Hours ,	on Jul 10, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	4.51	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	8.20	20.60	16.40	11.00	48.40	25.00	51.40	44.40	39.40	26.00	9.60	30.40		
2	6.80	18.20	15.80	10.20	58.80	28.40	32.20	46.80	55.40	35.00	9.60	21.80		
3	6.20	14.80	15.00	9.40	29.00	27.60	26.20	32.20	58.40	30.20	9.40	18.20		
4	7.00	13.00	16.00	8.60	22.40	20.60	23.40	27.20	42.80	31.40	9.60	16.00		
5	7.20	10.40	29.00	8.40	20.20	19.60	51.60	24.00	37.00	26.80	9.20	14.80		
6	6.60	13.00	25.80	26.60	18.40	16.60	119.30	25.80	31.60	23.40	8.80	16.60		
7	10.60	18.80	47.80	55.80	16.00	16.00	77.90	63.60	28.80	20.20	8.60	23.40		
8	11.60	15.60	37.20	32.60	14.60	19.00	77.90	30.60	26.80	18.60	9.40	15.40		
9	7.20	19.20	23.00	52.00	13.20	84.80	48.80	23.80	25.00	17.40	9.60	15.40		
10	6.00	14.80	18.60	191.40	16.00	182.00	34.40	22.00	23.40	16.00	8.60	13.60		
11	5.40	17.00	17.80	128.85	31.40	94.10	28.60	23.20	23.20	15.40	8.00	12.40		
12	5.20	30.00	18.40	42.80	35.20	35.60	25.00	33.00	22.00	15.00	8.00	11.40		
13	6.60	29.00	17.80	29.20	26.00	39.60	22.40	53.40	20.80	14.20	7.80	10.80		
14	30.60	18.60	18.60	25.00	20.40	50.80	20.60	57.40	20.00	13.00	7.80	10.80		
15	16.20	15.00	18.40	26.00	22.80	33.40	19.20	38.00	19.20	12.60	10.40	15.20		
16	13.20	15.00	16.20	22.00	24.20	28.20	17.80	31.40	18.40	12.20	12.40	12.20		
17	19.40	20.00	14.60	19.00	26.60	25.00	17.00	45.80	18.60	11.80	16.00	11.00		
18	13.80	39.60	13.80	17.40	26.00	56.20	17.60	140.60	21.60	11.80	15.60	10.20		
19	11.20	29.00	12.40	16.20	41.80	40.20	18.80	139.80	18.80	11.60	10.00	9.80		
20	14.60	25.40	12.80	15.20	64.60	44.00	48.80	166.00	17.40	11.60	9.20	10.40		
21	12.00	28.20	13.80	14.40	72.75	32.60	31.40	118.70	16.80	11.40	10.20	11.80		
22	14.40	36.60	11.20	12.80	35.80	39.80	22.00	62.40	16.60	11.00	8.60	10.40		
23	16.00	42.80	12.80	12.20	34.60	39.20	27.20	48.60	16.40	10.80	7.80	10.20		
24	27.40	28.40	12.40	11.20	45.60	27.80	33.80	67.25	16.40	10.80	8.00	15.00		
25	23.60	20.20	11.80	10.80	61.40	25.40	46.60	52.80	17.00	10.60	16.00	19.60		
26	21.60	17.80	16.00	10.60	52.80	28.80	34.60	40.80	16.20	10.20	22.60	34.80		
27	31.20	24.00	12.20	10.20	35.20	29.60	27.20	36.00	14.20	10.00	87.50	34.60		
28	25.80	43.80	12.60	10.00	27.00	26.80	36.60	38.40	13.40	9.80	68.75	30.40		
29	37.20	27.60	21.60	10.20	22.80	35.80	23.20	55.00	13.00	9.60		21.20		
30	26.60	20.20	14.80	18.40	22.80	64.60	26.80	45.80	19.80	9.60		18.80		
31		16.80		23.20	35.20		50.20		27.00	9.60		27.40		
Total	449.40	703.40	544.60	891.65	1021.95	1237.10	1138.50	1634.75	755.40	487.60	427.05	534.00	9825.40	CMSDAY
Mean	14.98	22.69	18.15	28.76	32.97	41.24	36.73	54.49	24.37	15.73	15.25	17.23	26.92	CMS
Max	37.20	43.80	47.80	191.40	72.75	182.00	119.30	166.00	58.40	35.00	87.50	34.80	191.40	CMS
Min	5.20	10.40	11.20	8.40	13.20	16.00	17.00	22.00	13.00	9.60	7.80	9.80	5.20	CMS
Runoff	38.83	60.77	47.05	77.04	88.30	106.89	98.37	141.24	65.27	42.13	36.90	46.14	848.91	MCM
Momentary Peak		204.00	CMS. at 12.15 m. (MSL.)		at 16.00 Hours		, on Jul 10, 2021							
Runoff Yield		52.07	Liters/Second/Square KM.		Momentary Peak Yield		394.58	Liters/Second/Square KM.						

WATER YEAR : 2021

PENINSULA - WEST COAST

Khlong Ta Kuaw Pa at Ban Talat Kao , Phangnga (X.186)

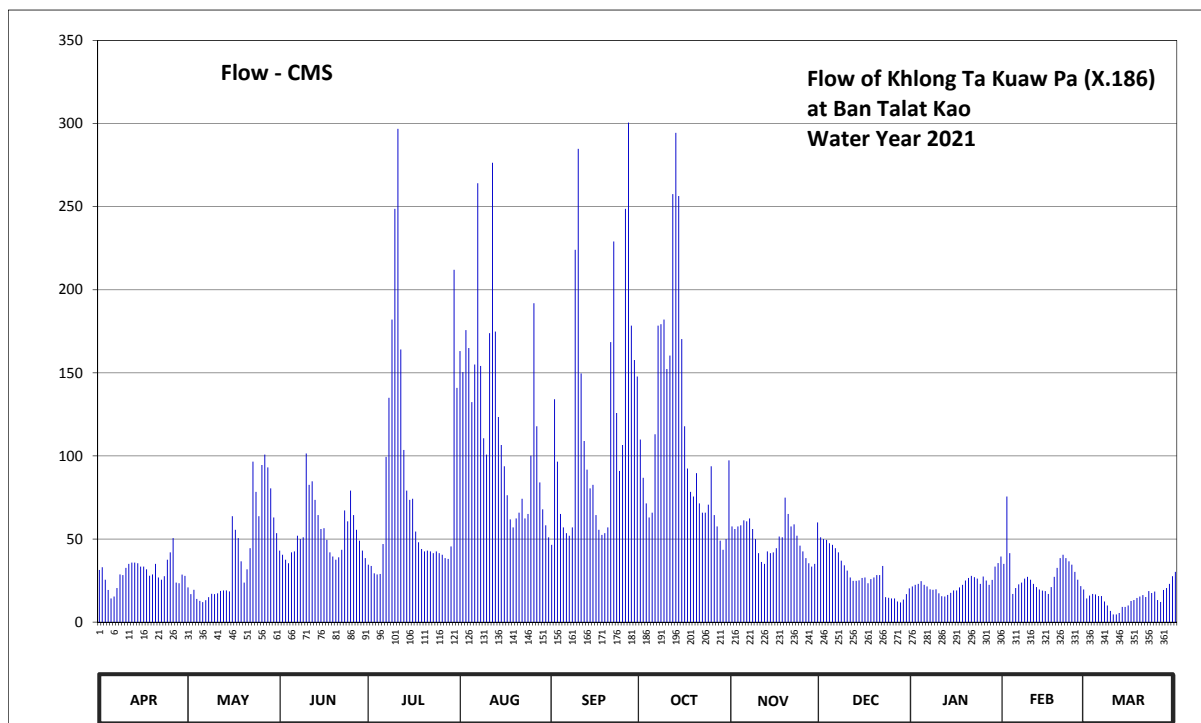
Lat 08 - 49 - 46 N Long 98 - 22 - 09 E

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	Overbank flow starts at elevation + 3.340 m.(MSL.), records are channel flow only.		
General Description	Records fair. Stage-discharge relation defined by 14 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	-0.74	-0.27	-0.48	-0.66	1.19	-0.41	0.56	-0.19	-0.32	-0.25	0.10	-1.26	
2	-0.70	-0.41	-0.53	-0.68	1.05	0.86	0.24	-0.22	-0.34	-0.22	0.08	-1.20	
3	-0.90	-0.32	-0.59	-0.79	1.33	0.38	0.02	-0.19	-0.35	-0.20	-0.51	-1.17	
4	-1.09	-0.55	-0.64	-0.81	1.21	-0.07	-0.10	-0.18	-0.39	-0.16	-1.17	-1.18	
5	-1.26	-0.61	-0.50	-0.80	0.84	-0.20	-0.06	-0.13	-0.41	-0.22	-1.05	-1.21	
6	-1.22	-0.65	-0.49	-0.40	1.10	-0.27	0.60	-0.14	-0.45	-0.25	-0.98	-1.21	
7	-1.05	-0.59	-0.30	0.42	2.21	-0.30	1.36	-0.11	-0.50	-0.31	-0.95	-1.32	
8	-0.81	-0.50	-0.34	0.87	1.09	-0.20	1.37	-0.22	-0.60	-0.32	-0.88	-1.40	
9	-0.82	-0.40	-0.32	1.40	0.57	1.84	1.40	-0.34	-0.67	-0.31	-0.85	-1.51	
10	-0.71	-0.41	0.45	2.07	0.44	2.39	1.07	-0.51	-0.75	-0.39	-0.90	-1.58	
11	-0.65	-0.39	0.18	2.49	1.31	1.04	1.16	-0.62	-0.86	-0.47	-0.97	-1.58	
12	-0.63	-0.34	0.21	1.20	2.32	0.55	2.15	-0.65	-0.92	-0.48	-1.03	-1.55	
13	-0.63	-0.33	0.05	0.48	1.32	0.31	2.47	-0.49	-0.92	-0.43	-1.08	-1.43	
14	-0.64	-0.33	-0.08	0.13	0.73	0.15	2.14	-0.51	-0.91	-0.38	-1.10	-1.43	
15	-0.69	-0.35	-0.22	0.05	0.52	0.18	1.27	-0.50	-0.87	-0.33	-1.11	-1.40	
16	-0.69	-0.09	-0.21	0.06	0.34	-0.08	0.66	-0.45	-0.86	-0.33	-1.17	-1.31	
17	-0.73	-0.23	-0.35	-0.25	0.09	-0.23	0.32	-0.31	-0.96	-0.27	-1.03	-1.29	
18	-0.83	-0.33	-0.50	-0.38	-0.12	-0.29	0.12	-0.32	-0.89	-0.22	-0.85	-1.25	
19	-0.81	-0.61	-0.55	-0.46	-0.20	-0.27	0.08	0.07	-0.86	-0.15	-0.71	-1.22	
20	-0.65	-0.95	-0.59	-0.49	-0.11	-0.20	0.28	-0.07	-0.82	-0.11	-0.57	-1.19	
21	-0.86	-0.73	-0.56	-0.48	-0.06	1.25	0.02	-0.19	-0.82	-0.08	-0.53	-1.23	
22	-0.90	-0.45	-0.47	-0.49	0.06	1.89	-0.06	-0.17	-0.68	-0.10	-0.57	-1.11	
23	-0.84	0.38	-0.04	-0.51	-0.11	0.76	-0.06	-0.30	-0.50	-0.12	-0.61	-1.15	
24	-0.59	0.12	-0.14	-0.49	-0.07	0.30	0.01	-0.42	-0.52	-0.20	-0.66	-1.12	
25	-0.50	-0.09	0.13	-0.51	0.43	0.52	0.34	-0.49	-0.54	-0.09	-0.77	-1.29	
26	-0.33	0.35	-0.08	-0.53	1.51	2.07	-0.08	-0.57	-0.54	-0.15	-0.90	-1.33	
27	-0.18	0.44	-0.23	-0.57	0.66	2.52	-0.19	-0.64	-0.63	-0.22	-1.01	-1.09	
28	-0.19	0.33	-0.36	-0.58	0.20	1.36	-0.36	-0.69	-0.66	-0.14	-1.08	-1.05	
29	-0.06	0.15	-0.48	-0.43	-0.03	1.13	-0.47	-0.65	-0.57	0.06		-0.97	
30	-0.08	-0.10	-0.57	1.72	-0.18	1.02	-0.34	-0.15	-0.41	0.11		-0.84	
31		-0.27		0.94	-0.32		0.39		-0.29	0.19		-0.77	
Mean	-0.69	-0.28	-0.29	0.05	0.62	0.60	0.53	-0.35	-0.64	-0.21	-0.82	-1.25	
Max	-0.06	0.44	0.45	2.49	2.32	2.52	2.47	0.07	-0.29	0.19	0.10	-0.77	2.52
Min	-1.26	-0.95	-0.64	-0.81	-0.32	-0.41	-0.47	-0.69	-0.96	-0.48	-1.17	-1.58	-1.58
Annual Max Momentary Gage Height	3.39		m. (MSL.) ,			at 21.00 Hours , on Sep 26, 2021							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed -3.08	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	31.40	20.90	43.00	34.60	163.10	46.50	109.80	57.60	51.00	21.50	35.00	14.20		
2	33.00	16.80	40.50	33.80	150.50	134.10	86.80	56.00	50.00	22.40	75.60	16.00		
3	25.50	19.40	37.50	29.40	175.70	96.60	71.40	57.60	49.50	23.00	41.50	16.90		
4	19.30	14.00	35.40	28.65	164.90	65.10	63.00	58.20	47.50	24.60	16.90	16.60		
5	14.20	12.80	42.00	29.00	132.40	57.00	65.80	61.20	46.50	22.40	20.50	15.70		
6	15.40	12.00	42.50	47.00	155.00	53.50	113.00	60.60	44.50	21.50	22.70	15.70		
7	20.50	13.20	52.00	99.40	264.10	52.00	178.40	62.40	42.00	19.70	23.75	12.40		
8	28.65	15.00	50.00	134.95	154.10	57.00	179.30	56.00	37.00	19.40	26.20	10.00		
9	28.30	17.00	51.00	182.00	110.60	224.00	182.00	50.00	34.20	19.70	27.25	6.70		
10	32.60	16.80	101.50	248.70	100.80	284.80	152.30	41.50	31.00	17.30	25.50	4.60		
11	35.00	17.30	82.60	296.80	173.90	149.60	160.40	36.20	26.90	15.60	23.05	4.60		
12	35.80	18.80	84.70	164.00	276.40	109.00	257.50	35.00	24.80	15.40	21.10	5.50		
13	35.80	19.10	73.50	103.60	174.80	91.70	294.40	42.50	24.80	16.40	19.60	9.10		
14	35.40	19.10	64.40	79.10	123.40	80.50	256.40	41.50	25.15	17.60	19.00	9.10		
15	33.40	18.50	56.00	73.50	106.60	82.60	170.30	42.00	26.55	19.10	18.70	10.00		
16	33.40	63.70	56.50	74.20	93.80	64.40	117.80	44.50	26.90	19.10	16.90	12.70		
17	31.80	55.50	49.50	54.50	76.30	55.50	92.40	51.50	23.40	20.90	21.10	13.30		
18	27.95	50.50	42.00	48.00	61.80	52.50	78.40	51.00	25.85	22.40	27.25	14.50		
19	28.65	36.60	39.50	44.00	57.00	53.50	75.60	74.90	26.90	25.00	32.60	15.40		
20	35.00	23.75	37.50	42.50	62.40	57.00	89.60	65.10	28.30	26.60	38.50	16.30		
21	26.90	31.80	39.00	43.00	65.80	168.50	71.40	57.60	28.30	27.80	40.50	15.10		
22	25.50	44.50	43.50	42.50	74.20	229.00	65.80	58.80	33.80	27.00	38.50	18.70		
23	27.60	96.60	67.20	41.50	62.40	125.80	65.80	52.00	15.00	26.20	36.60	17.50		
24	37.50	78.40	60.60	42.50	65.10	91.00	70.70	46.00	14.60	23.00	34.60	18.40		
25	42.00	63.70	79.10	41.50	100.10	106.60	93.80	42.50	14.20	27.40	30.20	13.30		
26	50.50	94.50	64.40	40.50	191.90	248.70	64.40	38.50	14.20	25.00	25.50	12.10		
27	23.80	100.80	55.50	38.50	117.80	300.60	57.60	35.40	12.40	22.40	21.70	19.30		
28	23.40	93.10	49.00	38.00	84.00	178.40	49.00	33.40	11.80	25.40	19.60	20.50		
29	28.60	80.50	43.00	45.50	67.90	157.70	43.50	35.00	13.60	33.40		23.05		
30	27.80	63.00	38.50	212.00	58.20	147.80	50.00	60.00	16.80	35.50		27.60		
31		53.50		140.90	51.00		97.30		20.30	39.50		30.20		
Total	894.65	1281.15	1621.40	2574.10	3716.00	3621.00	3523.90	1504.50	887.75	722.20	799.90	455.05	21601.60	CMSDAY
Mean	29.82	41.33	54.05	83.04	119.87	120.70	113.67	50.15	28.64	23.30	28.57	14.68	59.18	CMS
Max	50.50	100.80	101.50	296.80	276.40	300.60	294.40	74.90	51.00	39.50	75.60	30.20	300.60	CMS
Min	14.20	12.00	35.40	28.65	51.00	46.50	43.50	33.40	11.80	15.40	16.90	4.60	4.60	CMS
Runoff	77.30	110.69	140.09	222.40	321.06	312.85	304.46	129.99	76.70	62.40	69.11	39.32	1866.38	MCM
Momentary Peak	427.30	CMS. at 3.39 m. (MSL.) at 21.00 Hours , on Sep 26, 2021												
Runoff Yield	91.47	Liters/Second/Square KM.					Momentary Peak Yield	660.43	Liters/Second/Square KM.					

WATER YEAR : 2021**PENINSULA - WEST COAST****Khlong Ta Kuaw Pa at Ban Hin Dan , Phangnga (X.187)**

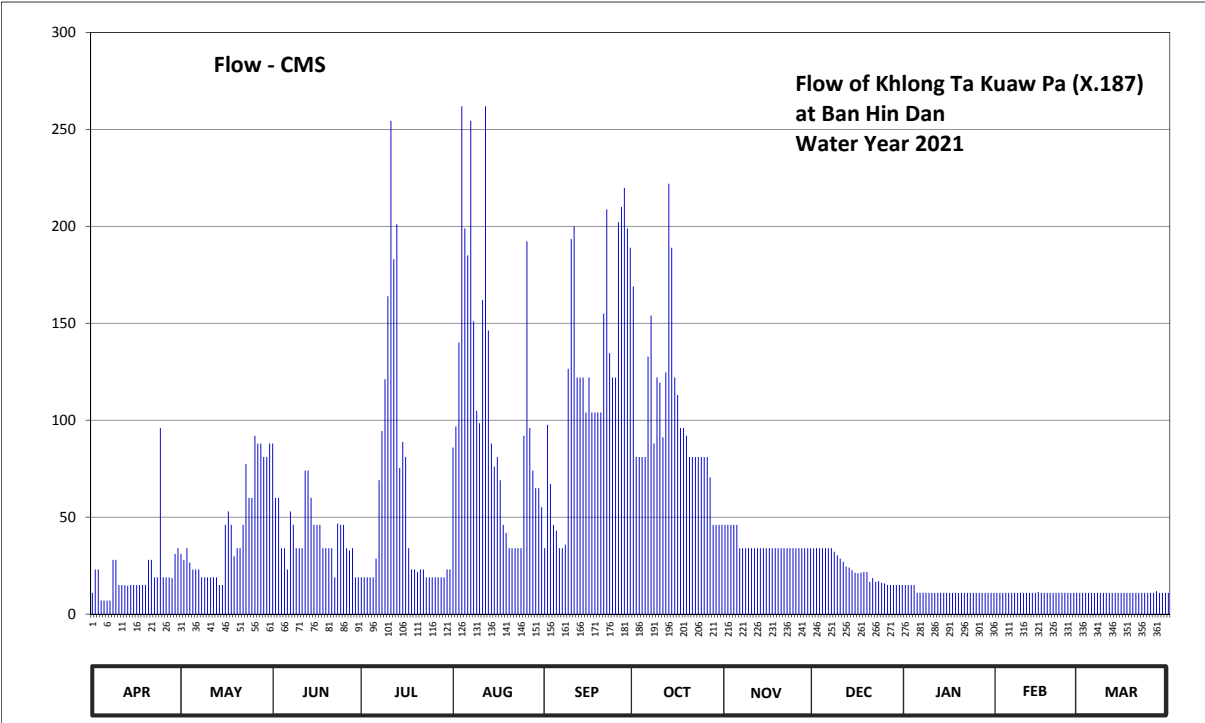
Lat 08 - 46 - 34 N Long 98 - 23 - 26 E

Location : on left bank at the bridge on Surat Thanu - Phang Nga Highway.

	Ban	Hin Dan	Amphoe	Ta Kuaw Pa	Changwat	Phangnga
Drainage Area	545	sq.km.				
Type of Gage	Staff	gage				
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	On left bank about 4 meters from the top staff gage.				Elevation	+9.230 m. (MSL.)
Gage Reading Frequency	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	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 fair. Stage-discharge relation defined by 12 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.30	3.75	4.60	3.50	4.57	3.80	5.50	4.00	3.80	3.40	3.30	3.30	
2	3.60	3.70	4.20	3.50	4.71	4.72	4.50	4.00	3.80	3.40	3.30	3.30	
3	3.60	3.80	4.20	3.50	5.20	4.30	4.50	4.00	3.80	3.40	3.30	3.30	
4	3.20	3.67	3.80	3.50	6.33	4.00	4.50	4.00	3.80	3.40	3.30	3.30	
5	3.20	3.60	3.80	3.50	5.79	3.95	4.50	4.00	3.80	3.30	3.30	3.30	
6	3.20	3.60	3.60	3.71	5.66	3.80	5.12	3.80	3.80	3.30	3.30	3.30	
7	3.20	3.60	4.10	4.33	6.27	3.80	5.35	3.80	3.80	3.30	3.30	3.30	
8	3.70	3.50	4.00	4.68	5.32	3.83	4.60	3.80	3.77	3.30	3.30	3.30	
9	3.70	3.50	3.80	4.99	4.81	5.05	5.00	3.80	3.74	3.30	3.30	3.30	
10	3.40	3.50	3.80	5.45	4.73	5.74	4.97	3.80	3.71	3.30	3.30	3.30	
11	3.40	3.50	3.80	6.27	5.43	5.80	4.64	3.80	3.68	3.30	3.30	3.30	
12	3.40	3.50	4.40	5.64	6.33	5.00	5.03	3.80	3.63	3.30	3.30	3.30	
13	3.39	3.50	4.40	5.81	5.27	5.00	6.00	3.80	3.62	3.30	3.30	3.30	
14	3.40	3.40	4.20	4.42	4.60	5.00	5.70	3.80	3.59	3.30	3.30	3.30	
15	3.40	3.40	4.00	4.61	4.43	4.80	5.00	3.80	3.56	3.30	3.31	3.30	
16	3.40	4.00	4.00	4.50	4.50	5.00	4.90	3.80	3.55	3.30	3.30	3.30	
17	3.40	4.10	4.00	3.80	4.33	4.80	4.70	3.80	3.56	3.30	3.30	3.30	
18	3.40	4.00	3.80	3.60	4.00	4.80	4.70	3.80	3.57	3.30	3.30	3.30	
19	3.40	3.73	3.80	3.60	3.93	4.80	4.65	3.80	3.57	3.30	3.30	3.30	
20	3.70	3.80	3.80	3.57	3.80	4.80	4.50	3.80	3.44	3.30	3.30	3.30	
21	3.70	3.80	3.80	3.60	3.80	5.36	4.50	3.80	3.49	3.30	3.30	3.30	
22	3.50	4.00	3.50	3.60	3.80	5.88	4.50	3.80	3.44	3.30	3.30	3.30	
23	3.50	4.45	4.01	3.50	3.80	5.14	4.50	3.80	3.45	3.30	3.30	3.30	
24	4.70	4.20	4.00	3.50	3.80	5.00	4.50	3.80	3.43	3.30	3.30	3.30	
25	3.50	4.20	4.00	3.50	4.65	5.00	4.50	3.80	3.42	3.30	3.30	3.30	
26	3.50	4.65	3.80	3.50	5.73	5.82	4.50	3.80	3.40	3.30	3.30	3.30	
27	3.50	4.60	3.78	3.50	4.70	5.89	4.35	3.80	3.40	3.30	3.30	3.32	
28	3.49	4.60	3.80	3.50	4.40	5.98	4.00	3.80	3.40	3.30	3.30	3.30	
29	3.75	4.50	3.50	3.50	4.27	5.79	4.00	3.80	3.40	3.30		3.30	
30	3.80	4.50	3.50	3.60	4.27	5.70	4.00	3.80	3.40	3.30		3.30	
31		4.60		3.60	4.13		4.00		3.40	3.30		3.30	
Mean	3.51	3.91	3.93	4.04	4.75	4.94	4.70	3.83	3.59	3.31	3.30	3.30	
Max	4.70	4.65	4.60	6.27	6.33	5.98	6.00	4.00	3.80	3.40	3.31	3.32	6.33
Min	3.20	3.40	3.50	3.50	3.80	3.80	4.00	3.80	3.40	3.30	3.30	3.30	3.20
Annual Max Momentary Gage Height	7.00		m. (MSL.) ,			at 18.00 Hours , on Sep 26, 2021							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed 1.79	m. (MSL.)						
Left Bank Elevation		8.25	m. (MSL.) ,										
Right Bank Elevation		8.50	m. (MSL.) ,			Drainage Are 545	Square Kilometers						



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	11.00	31.00	88.00	19.00	85.90	34.00	169.00	46.00	34.00	15.00	11.00	11.00	
2	23.00	28.00	60.00	19.00	96.80	97.60	81.00	46.00	34.00	15.00	11.00	11.00	
3	23.00	34.00	60.00	19.00	140.00	67.00	81.00	46.00	34.00	15.00	11.00	11.00	
4	7.00	26.50	34.00	19.00	261.90	46.00	81.00	46.00	34.00	15.00	11.00	11.00	
5	7.00	23.00	34.00	19.00	198.90	43.00	81.00	46.00	34.00	11.00	11.00	11.00	
6	7.00	23.00	23.00	28.60	185.00	34.00	132.80	34.00	34.00	11.00	11.00	11.00	
7	7.00	23.00	53.00	69.10	254.40	34.00	154.00	34.00	34.00	11.00	11.00	11.00	
8	28.00	19.00	46.00	94.40	151.00	35.80	88.00	34.00	32.20	11.00	11.00	11.00	
9	28.00	19.00	34.00	121.10	104.90	126.50	122.00	34.00	30.40	11.00	11.00	11.00	
10	15.00	19.00	34.00	164.00	98.40	193.40	119.30	34.00	28.60	11.00	11.00	11.00	
11	15.00	19.00	34.00	254.40	162.00	200.00	91.20	34.00	27.00	11.00	11.00	11.00	
12	15.00	19.00	74.00	183.00	261.90	122.00	124.70	34.00	24.50	11.00	11.00	11.00	
13	14.60	19.00	74.00	201.10	146.30	122.00	222.00	34.00	24.00	11.00	11.00	11.00	
14	15.00	15.00	60.00	75.40	88.00	122.00	189.00	34.00	22.60	11.00	11.00	11.00	
15	15.00	15.00	46.00	88.80	76.10	104.00	122.00	34.00	21.40	11.00	11.40	11.00	
16	15.00	46.00	46.00	81.00	81.00	122.00	113.00	34.00	21.00	11.00	11.00	11.00	
17	15.00	53.00	46.00	34.00	69.10	104.00	96.00	34.00	21.40	11.00	11.00	11.00	
18	15.00	46.00	34.00	23.00	46.00	104.00	96.00	34.00	21.80	11.00	11.00	11.00	
19	15.00	29.80	34.00	23.00	41.80	104.00	92.00	34.00	21.80	11.00	11.00	11.00	
20	28.00	34.00	34.00	21.80	34.00	104.00	81.00	34.00	16.60	11.00	11.00	11.00	
21	28.00	34.00	34.00	23.00	34.00	155.00	81.00	34.00	18.60	11.00	11.00	11.00	
22	19.00	46.00	19.00	23.00	34.00	208.80	81.00	34.00	16.60	11.00	11.00	11.00	
23	19.00	77.50	46.70	19.00	34.00	134.60	81.00	34.00	17.00	11.00	11.00	11.00	
24	96.00	60.00	46.00	19.00	34.00	122.00	81.00	34.00	16.20	11.00	11.00	11.00	
25	19.00	60.00	46.00	19.00	92.00	122.00	81.00	34.00	15.80	11.00	11.00	11.00	
26	19.00	92.00	34.00	19.00	192.30	202.20	81.00	34.00	15.00	11.00	11.00	11.00	
27	19.00	88.00	32.80	19.00	96.00	209.90	70.50	34.00	15.00	11.00	11.00	11.80	
28	18.60	88.00	34.00	19.00	74.00	219.80	46.00	34.00	15.00	11.00	11.00	11.00	
29	31.00	81.00	19.00	19.00	64.90	198.90	46.00	34.00	15.00	11.00	11.00	11.00	
30	34.00	81.00	19.00	23.00	64.90	189.00	46.00	34.00	15.00	11.00	11.00	11.00	
31		88.00		23.00	55.10		46.00		15.00	11.00		11.00	
Total	621.20	1336.80	1278.50	1782.70	3358.60	3681.50	3076.50	1080.00	725.50	357.00	308.40	341.80	17948.50
Mean	20.71	43.12	42.62	57.51	108.34	122.72	99.24	36.00	23.40	11.52	11.01	11.03	49.17
Max	96.00	92.00	88.00	254.40	261.90	219.80	222.00	46.00	34.00	15.00	11.40	11.80	261.90
Min	7.00	15.00	19.00	19.00	34.00	34.00	46.00	34.00	15.00	11.00	11.00	11.00	7.00
Runoff	53.67	115.50	110.46	154.03	290.18	318.08	265.81	93.31	62.68	30.84	26.65	29.53	1550.75
Momentary Peak	CMS. at 7.00 m. (MSL.) at 18.00 Hours , on Sep 26, 2021												
Runoff Yield	90.23	Liters/Second/Square KM.				Momentary Peak Yield		651.38	Liters/Second/Square KM.				

WATER YEAR : 2021**PENINSULA - WEST COAST****Khlong Rommanee at Ban Rommanee , Phangnga (X.188A)**

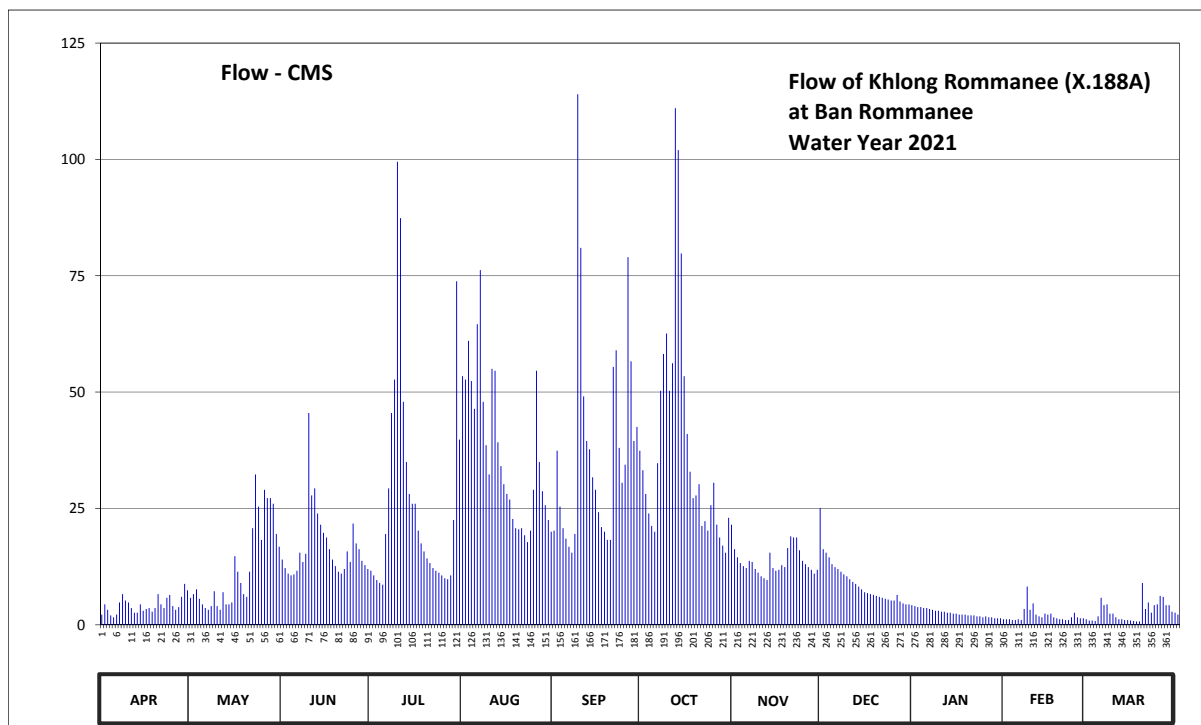
Lat 08 - 50 - 00 N Long 98 - 27 - 31 E

Location : on left bank at the bridge.

	Ban	Rommanee	Amphoe	Kapong	Changwat	Phangnga
Drainage 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 right 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	Overbank flow starts at elevation + 17.470 m.(MSL.), records are channel flow only.					
General Description	Records fair. Stage-discharge relation defined by 14 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	13.06	13.24	13.64	13.53	15.01	13.89	14.34	13.73	13.73	13.15	13.01	12.99	
2	13.17	13.28	13.56	13.48	14.99	14.48	14.17	13.66	13.70	13.14	13.01	12.99	
3	13.11	13.33	13.50	13.43	15.20	14.08	14.03	13.61	13.66	13.14	13.00	12.98	
4	13.05	13.23	13.48	13.40	14.98	13.91	13.93	13.58	13.60	13.13	13.00	13.04	
5	13.03	13.17	13.49	13.38	14.78	13.82	13.88	13.56	13.57	13.13	13.01	13.24	
6	13.06	13.13	13.53	13.86	15.29	13.75	14.39	13.63	13.55	13.12	13.00	13.16	
7	13.19	13.11	13.70	14.21	15.58	13.70	14.91	13.62	13.52	13.11	13.12	13.17	
8	13.28	13.15	13.62	14.75	14.83	13.86	15.13	13.55	13.49	13.10	13.36	13.07	
9	13.21	13.31	13.69	14.99	14.52	16.42	15.24	13.51	13.47	13.10	13.11	13.07	
10	13.19	13.15	14.75	16.13	14.31	15.70	14.91	13.47	13.44	13.09	13.18	13.03	
11	13.13	13.11	14.16	15.86	15.05	14.87	15.08	13.45	13.41	13.09	13.06	13.01	
12	13.08	13.30	14.21	14.83	15.04	14.55	16.36	13.43	13.39	13.08	13.04	13.01	
13	13.08	13.17	14.03	14.40	14.54	14.49	16.18	13.70	13.36	13.08	13.03	13.00	
14	13.17	13.17	13.94	14.17	14.37	14.29	15.67	13.56	13.33	13.07	13.07	13.00	
15	13.10	13.19	13.87	14.10	14.24	14.20	15.01	13.53	13.30	13.07	13.06	12.99	
16	13.12	13.67	13.83	14.10	14.17	14.04	14.60	13.54	13.29	13.06	13.07	12.98	
17	13.13	13.52	13.73	13.89	14.13	13.92	14.33	13.59	13.28	13.06	13.03	12.97	
18	13.09	13.40	13.64	13.78	13.99	13.88	14.14	13.57	13.27	13.06	13.02	12.97	
19	13.13	13.28	13.58	13.71	13.91	13.81	14.16	13.74	13.26	13.05	13.01	13.40	
20	13.28	13.25	13.52	13.65	13.90	13.81	14.24	13.84	13.25	13.05	13.01	13.12	
21	13.17	13.52	13.50	13.61	13.91	15.06	13.93	13.83	13.24	13.05	13.00	13.19	
22	13.13	13.91	13.55	13.56	13.85	15.15	13.97	13.83	13.23	13.04	13.00	13.08	
23	13.24	14.31	13.71	13.53	13.79	14.50	13.89	13.72	13.22	13.04	13.03	13.16	
24	13.27	14.08	13.62	13.51	13.89	14.25	14.09	13.63	13.21	13.03	13.08	13.17	
25	13.15	13.81	13.95	13.48	14.20	14.38	14.25	13.60	13.21	13.04	13.03	13.26	
26	13.11	14.20	13.78	13.45	15.04	15.65	13.94	13.57	13.27	13.03	13.02	13.25	
27	13.14	14.14	13.73	13.44	14.40	15.09	13.83	13.54	13.20	13.03	13.02	13.16	
28	13.25	14.14	13.63	13.48	14.19	14.55	13.76	13.50	13.18	13.02	13.01	13.16	
29	13.39	14.10	13.59	13.98	14.09	14.65	13.70	13.54	13.17	13.02		13.09	
30	13.32	13.86	13.55	15.52	13.98	14.48	14.00	14.07	13.17	13.02		13.08	
31		13.75		14.56	13.88		13.94		13.16	13.01		13.06	
Mean	13.16	13.52	13.74	14.06	14.45	14.44	14.45	13.62	13.36	13.07	13.05	13.09	
Max	13.39	14.31	14.75	16.13	15.58	16.42	16.36	14.07	13.73	13.15	13.36	13.40	16.42
Min	13.03	13.11	13.48	13.38	13.79	13.70	13.70	13.43	13.16	13.01	13.00	12.97	12.97
Annual Max Momentary Gage Height	17.68	m. (MSL.) , at 12.00 Hours , on Sep 9, 2021											
Zero Gage at Bottom Elevation	0.00	m. (MSL.) , River Bed 11.40 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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	2.20	5.80	14.00	11.60	53.40	20.25	33.20	16.25	16.25	4.00	1.20	0.90		
2	4.40	6.60	12.20	10.60	52.70	37.40	28.10	14.50	15.50	3.80	1.20	0.90		
3	3.20	7.60	11.00	9.60	61.00	25.40	23.90	13.25	14.50	3.80	1.00	0.80		
4	2.00	5.60	10.60	9.00	52.40	20.75	21.25	12.60	13.00	3.60	1.00	1.80		
5	1.60	4.40	10.80	8.60	46.40	18.50	20.00	12.20	12.40	3.60	1.20	5.80		
6	2.20	3.60	11.60	19.50	64.60	16.75	34.70	13.75	12.00	3.40	1.00	4.20		
7	4.80	3.20	15.50	29.30	76.20	15.50	50.30	13.50	11.40	3.20	3.40	4.40		
8	6.60	4.00	13.50	45.50	47.90	19.50	58.20	12.00	10.80	3.00	8.20	2.40		
9	5.20	7.20	15.25	52.70	38.60	114.00	62.60	11.20	10.40	3.00	3.20	2.40		
10	4.80	4.00	45.50	99.50	32.30	81.00	50.30	10.40	9.80	2.80	4.60	1.60		
11	3.60	3.20	27.80	87.40	55.00	49.10	56.20	10.00	9.20	2.80	2.20	1.20		
12	2.60	7.00	29.30	47.90	54.60	39.50	111.00	9.60	8.80	2.60	1.80	1.20		
13	2.60	4.40	23.90	35.00	39.20	37.70	102.00	15.50	8.20	2.60	1.60	1.00		
14	4.40	4.40	21.50	28.10	34.10	31.70	79.80	12.20	7.60	2.40	2.40	1.00		
15	3.00	4.80	19.75	26.00	30.20	29.00	53.40	11.60	7.00	2.40	2.20	0.90		
16	3.40	14.75	18.75	26.00	28.10	24.20	41.00	11.80	6.80	2.20	2.40	0.80		
17	3.60	11.40	16.25	20.25	26.90	21.00	32.90	12.80	6.60	2.20	1.60	0.70		
18	2.80	9.00	14.00	17.50	22.75	20.00	27.20	12.40	6.40	2.20	1.40	0.70		
19	3.60	6.60	12.60	15.75	20.75	18.25	27.80	16.50	6.20	2.00	1.20	9.00		
20	6.60	6.00	11.40	14.25	20.50	18.25	30.20	19.00	6.00	2.00	1.20	3.40		
21	4.40	11.40	11.00	13.25	20.75	55.40	21.25	18.75	5.80	2.00	1.00	4.80		
22	3.60	20.75	12.00	12.20	19.25	59.00	22.25	18.75	5.60	1.80	1.00	2.60		
23	5.80	32.30	15.75	11.60	17.75	38.00	20.25	16.00	5.40	1.80	1.60	4.20		
24	6.40	25.40	13.50	11.20	20.25	30.50	25.70	13.75	5.20	1.60	2.60	4.40		
25	4.00	18.25	21.75	10.60	29.00	34.40	30.50	13.00	5.20	1.80	1.60	6.20		
26	3.20	29.00	17.50	10.00	54.60	79.00	21.50	12.40	6.40	1.60	1.40	6.00		
27	3.80	27.20	16.25	9.80	35.00	56.60	18.75	11.80	5.00	1.60	1.40	4.20		
28	6.00	27.20	13.75	10.60	28.70	39.50	17.00	11.00	4.60	1.40	1.20	4.20		
29	8.80	26.00	12.80	22.50	25.70	42.50	15.50	11.80	4.40	1.40		2.80		
30	7.40	19.50	12.00	73.80	22.50	37.40	23.00	25.10	4.40	1.40		2.60		
31		16.75		39.80	20.00		21.50		4.20	1.20		2.20		
Total	126.60	377.30	501.50	839.40	1151.10	1130.05	1181.25	413.40	255.05	75.20	55.80	89.30	6195.95	CMSDAY
Mean	4.22	12.17	16.72	27.08	37.13	37.67	38.10	13.78	8.23	2.43	1.99	2.88	16.98	CMS
Max	8.80	32.30	45.50	99.50	76.20	114.00	111.00	25.10	16.25	4.00	8.20	9.00	114.00	CMS
Min	1.60	3.20	10.60	8.60	17.75	15.50	15.50	9.60	4.20	1.20	1.00	0.70	0.70	CMS
Runoff	10.94	32.60	43.33	72.52	99.46	97.64	102.06	35.72	22.04	6.50	4.82	7.72	535.33	MCM
Momentary Peak		187.60	CMS. at 17.68 m. (MSL.) at 12.00 Hours , on Sep 9, 2021											
Runoff Yield		87.50	Liters/Second/Square KM.				Momentary Peak Yield	967.01	Liters/Second/Square KM.					

WATER YEAR : 2021

PENINSULA - WEST COAST

Khlong Bang Yai at Ban Ket Ho , Phuket (X.190A)

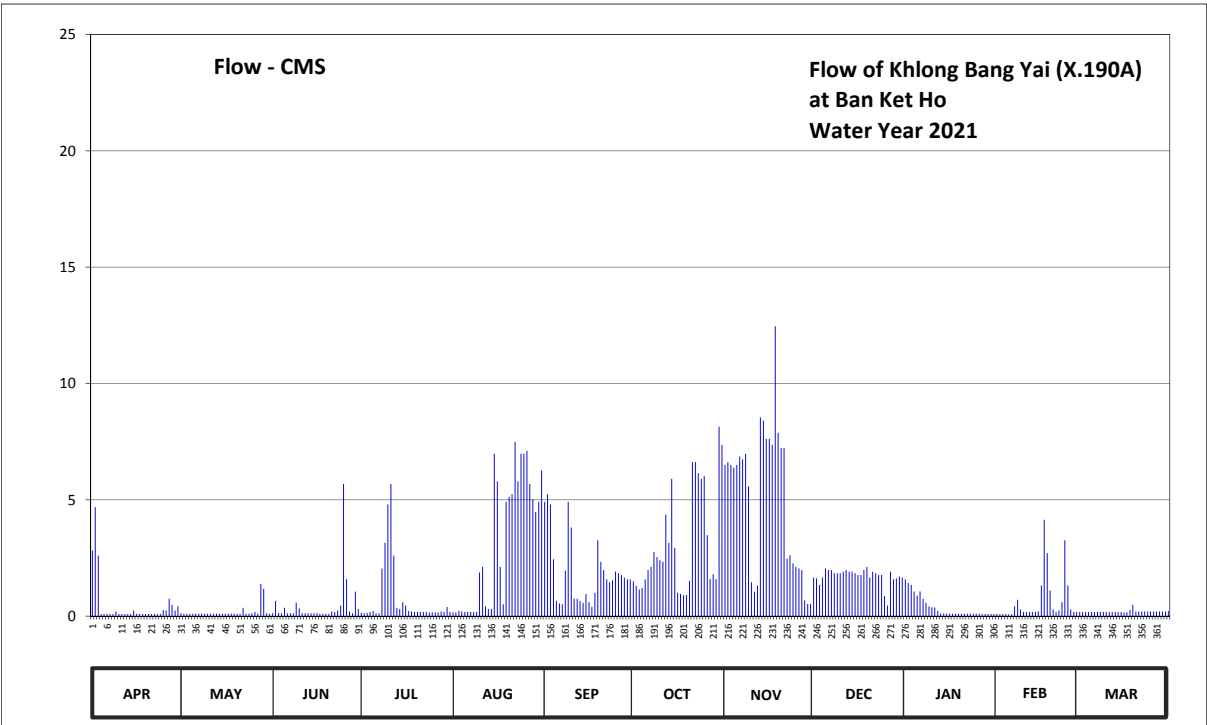
Lat 07 - 54 - 12 N Long 98 - 20 - 59 E

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	No overbank flow.		
General Description	Records fair. Stage-discharge relation defined by 8 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	14.82	14.31	14.31	14.32	14.33	15.01	15.05	15.15	15.09	15.07	14.29	14.34	
2	14.99	14.30	14.51	14.31	14.33	15.04	15.00	15.16	15.08	15.03	14.29	14.34	
3	14.80	14.30	14.32	14.32	14.36	15.00	14.96	15.15	15.01	15.01	14.29	14.34	
4	14.29	14.30	14.31	14.34	14.35	14.78	14.98	15.14	15.09	14.94	14.29	14.34	
5	14.29	14.30	14.42	14.36	14.34	14.51	15.07	15.15	15.15	14.89	14.28	14.34	
6	14.29	14.30	14.31	14.31	14.34	14.48	15.14	15.18	15.14	14.94	14.28	14.34	
7	14.29	14.30	14.31	14.31	14.34	14.47	15.16	15.17	15.14	14.82	14.44	14.34	
8	14.29	14.30	14.31	14.73	14.34	14.72	15.25	15.19	15.12	14.74	14.52	14.34	
9	14.35	14.30	14.49	14.85	14.34	15.01	15.22	15.07	15.12	14.62	14.39	14.34	
10	14.29	14.30	14.41	15.00	14.71	14.91	15.20	14.65	15.12	14.58	14.34	14.34	
11	14.29	14.30	14.31	15.08	14.74	14.53	15.19	14.59	15.13	14.57	14.34	14.34	
12	14.29	14.30	14.31	14.80	14.44	14.53	14.96	14.63	15.14	14.42	14.34	14.34	
13	14.29	14.30	14.31	14.42	14.40	14.51	14.85	15.31	15.13	14.31	14.34	14.34	
14	14.29	14.30	14.31	14.40	14.40	14.49	15.10	15.30	15.13	14.31	14.34	14.34	
15	14.37	14.30	14.31	14.50	15.19	14.57	14.83	15.24	15.12	14.31	14.35	14.34	
16	14.30	14.30	14.31	14.45	15.09	14.50	14.58	15.24	15.11	14.31	14.63	14.33	
17	14.29	14.30	14.30	14.36	14.74	14.43	14.57	15.22	15.11	14.30	14.94	14.33	
18	14.29	14.30	14.30	14.35	14.47	14.58	14.56	15.59	15.14	14.30	14.81	14.38	
19	14.29	14.30	14.30	14.34	15.01	14.86	14.56	15.26	15.16	14.30	14.60	14.46	
20	14.29	14.30	14.30	14.34	15.03	15.19	14.66	15.21	15.09	14.30	14.39	14.35	
21	14.29	14.30	14.35	14.34	15.04	15.14	15.16	15.21	15.13	14.30	14.34	14.35	
22	14.29	14.42	14.34	14.34	15.23	15.07	15.16	15.21	15.12	14.30	14.37	14.35	
23	14.29	14.30	14.37	14.34	15.09	15.04	15.12	15.23	15.11	14.30	14.50	14.35	
24	14.29	14.30	14.45	14.33	15.19	15.06	15.10	15.18	15.11	14.30	14.86	14.35	
25	14.38	14.31	15.08	14.33	15.19	15.13	15.11	15.16	14.88	14.30	14.63	14.35	
26	14.37	14.34	14.67	14.33	15.20	15.12	14.88	15.15	14.65	14.30	14.39	14.35	
27	14.53	14.30	14.35	14.33	15.08	15.11	14.67	15.14	15.13	14.29	14.34	14.35	
28	14.46	14.64	14.31	14.35	15.02	15.09	14.70	14.79	15.07	14.29	14.34	14.35	
29	14.37	14.61	14.59	14.34	14.97	15.07	14.67	14.71	15.08	14.29		14.35	
30	14.44	14.31	14.40	14.43	15.01	15.07	15.28	14.71	15.10	14.29		14.35	
31		14.30		14.34	15.13		15.22		15.09	14.29		14.36	
Mean	14.38	14.33	14.39	14.44	14.76	14.83	14.97	15.10	15.09	14.49	14.44	14.35	
Max	14.99	14.64	15.08	15.08	15.23	15.19	15.28	15.59	15.16	15.07	14.94	14.46	15.59
Min	14.29	14.30	14.30	14.31	14.33	14.43	14.56	14.59	14.65	14.29	14.28	14.33	14.28
Annual Max Momentary Gage Height	16.04		m. (MSL.) ,				at 06.00 Hours , on Nov 18, 2021						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	13.88	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, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.82	0.12	0.12	0.14	0.16	4.91	1.50	6.50	1.66	1.58	0.09	0.18	
2	4.69	0.10	0.65	0.12	0.16	5.24	1.30	6.62	1.62	1.42	0.09	0.18	
3	2.60	0.10	0.14	0.14	0.22	4.80	1.14	6.50	1.34	1.34	0.09	0.18	
4	0.09	0.10	0.12	0.18	0.20	2.44	1.22	6.38	1.66	1.06	0.09	0.18	
5	0.09	0.10	0.36	0.22	0.18	0.65	1.58	6.50	2.05	0.88	0.08	0.18	
6	0.09	0.10	0.12	0.12	0.18	0.54	1.98	6.86	1.98	1.06	0.08	0.18	
7	0.09	0.10	0.12	0.12	0.18	0.51	2.12	6.74	1.98	0.74	0.42	0.18	
8	0.09	0.10	0.12	2.04	0.18	1.96	2.75	6.98	1.84	0.58	0.70	0.18	
9	0.20	0.10	0.57	3.15	0.18	4.91	2.54	5.57	1.84	0.42	0.28	0.18	
10	0.09	0.10	0.33	4.80	1.88	3.81	2.40	1.45	1.84	0.38	0.18	0.18	
11	0.09	0.10	0.12	5.68	2.12	0.75	2.33	1.05	1.91	0.37	0.18	0.18	
12	0.09	0.10	0.12	2.60	0.42	0.75	4.36	1.31	1.98	0.22	0.18	0.18	
13	0.09	0.10	0.12	0.36	0.30	0.65	3.15	8.54	1.91	0.11	0.18	0.18	
14	0.09	0.10	0.12	0.30	0.30	0.57	5.90	8.40	1.91	0.11	0.18	0.18	
15	0.24	0.10	0.12	0.60	6.98	0.95	2.93	7.62	1.84	0.11	0.20	0.18	
16	0.10	0.10	0.12	0.45	5.79	0.60	1.00	7.62	1.77	0.11	1.31	0.16	
17	0.09	0.10	0.10	0.22	2.12	0.39	0.95	7.36	1.77	0.10	4.14	0.16	
18	0.09	0.10	0.10	0.20	0.51	1.00	0.90	12.46	1.98	0.10	2.71	0.26	
19	0.09	0.10	0.10	0.18	4.91	3.26	0.90	7.88	2.12	0.10	1.10	0.48	
20	0.09	0.10	0.10	0.18	5.13	2.33	1.52	7.23	1.66	0.10	0.28	0.20	
21	0.09	0.10	0.20	0.18	5.24	1.98	6.62	7.23	1.91	0.10	0.18	0.20	
22	0.09	0.36	0.18	0.18	7.49	1.58	6.62	2.47	1.84	0.10	0.24	0.20	
23	0.09	0.10	0.24	0.18	5.79	1.46	6.14	2.61	1.77	0.10	0.60	0.20	
24	0.09	0.10	0.45	0.16	6.98	1.54	5.90	2.26	1.77	0.10	3.26	0.20	
25	0.26	0.12	5.68	0.16	6.98	1.91	6.02	2.12	0.86	0.10	1.31	0.20	
26	0.24	0.18	1.59	0.16	7.10	1.84	3.48	2.05	0.45	0.10	0.28	0.20	
27	0.75	0.10	0.20	0.16	5.68	1.77	1.59	1.98	1.91	0.09	0.18	0.20	
28	0.48	1.38	0.12	0.20	5.02	1.66	1.80	0.68	1.58	0.09	0.18	0.20	
29	0.24	1.17	1.05	0.18	4.47	1.58	1.59	0.52	1.62	0.09		0.20	
30	0.42	0.12	0.30	0.39	4.91	1.58	8.14	0.52	1.70	0.09		0.20	
31		0.10		0.18	6.26		7.36		1.66	0.09		0.22	
Total	14.66	5.85	13.78	23.93	98.02	57.92	97.73	152.01	53.73	11.94	18.79	6.18	554.54 CMSDAY
Mean	0.49	0.19	0.46	0.77	3.16	1.93	3.15	5.07	1.73	0.39	0.67	0.20	1.52 CMS
Max	4.69	1.38	5.68	5.68	7.49	5.24	8.14	12.46	2.12	1.58	4.14	0.48	12.46 CMS
Min	0.09	0.10	0.10	0.12	0.16	0.39	0.90	0.52	0.45	0.09	0.08	0.16	0.08 CMS
Runoff	1.27	0.51	1.19	2.07	8.47	5.00	8.44	13.13	4.64	1.03	1.62	0.53	47.91 MCM
Momentary Peak	20.30 CMS. at 16.04 m. (MSL.) at 06.00 Hours , on Nov 18, 2021												
Runoff Yield	50.64	Liters/Second/Square KM.			Momentary Peak Yield			676.67	Liters/Second/Square KM.				

WATER YEAR : 2021

PENINSULA - WEST COAST

Khlong Bang Yai at Satree Phuket School , Phuket (X.191)

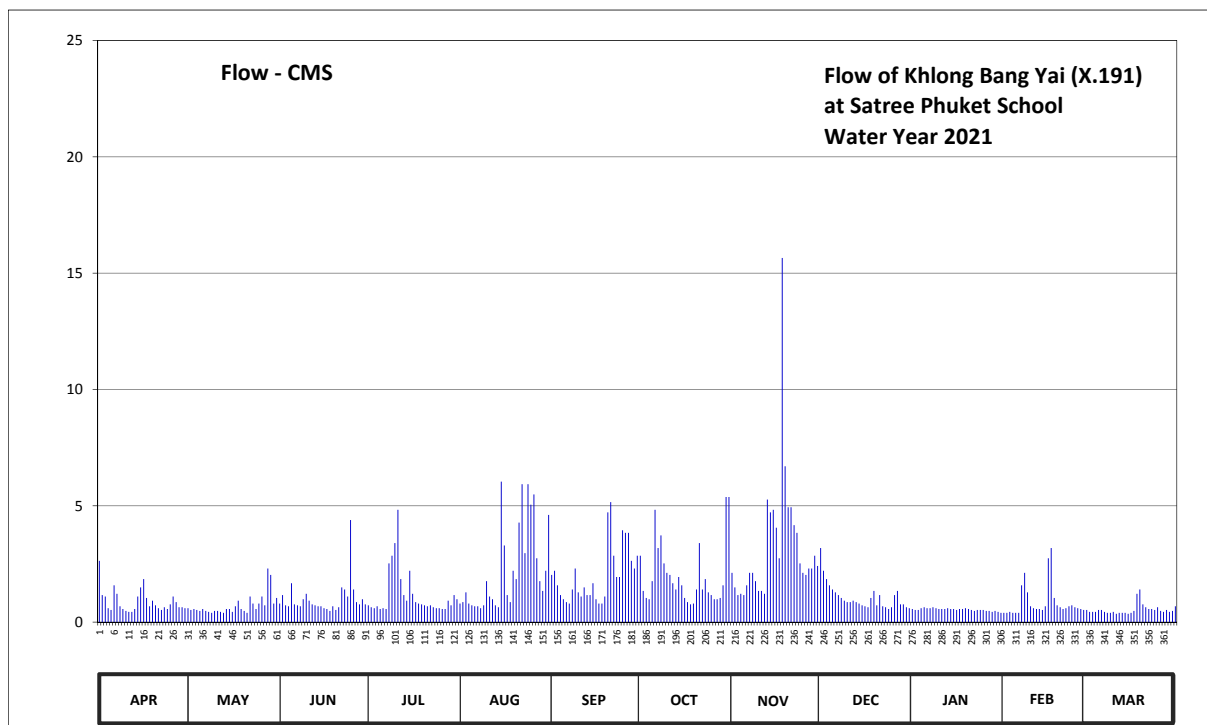
Lat 07 - 53 - 28 N Long 98 - 23 - 30 E

Location : on left bank at Satree Phuket School.

	Ban -	Amphoe Mueang	Changwat Phuket
Drainge 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.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Stage-discharge relation defined by 12 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.73	1.45	1.50	1.48	1.50	1.67	1.75	1.68	1.78	1.44	1.40	1.43	
2	1.56	1.43	1.56	1.46	1.51	1.69	1.59	1.61	1.69	1.43	1.40	1.41	
3	1.55	1.44	1.48	1.45	1.58	1.62	1.54	1.56	1.65	1.43	1.41	1.41	
4	1.45	1.43	1.47	1.47	1.50	1.56	1.53	1.57	1.62	1.45	1.40	1.41	
5	1.43	1.42	1.63	1.44	1.48	1.53	1.64	1.56	1.60	1.46	1.40	1.43	
6	1.62	1.44	1.49	1.45	1.47	1.51	1.93	1.62	1.58	1.45	1.40	1.43	
7	1.57	1.42	1.48	1.44	1.47	1.50	1.78	1.68	1.56	1.45	1.62	1.41	
8	1.47	1.41	1.47	1.72	1.45	1.60	1.83	1.68	1.54	1.46	1.68	1.40	
9	1.44	1.40	1.53	1.75	1.48	1.70	1.72	1.64	1.52	1.45	1.58	1.40	
10	1.42	1.42	1.57	1.80	1.64	1.58	1.68	1.59	1.51	1.44	1.47	1.41	
11	1.41	1.42	1.52	1.93	1.55	1.55	1.67	1.59	1.51	1.44	1.45	1.39	
12	1.41	1.41	1.49	1.65	1.53	1.61	1.63	1.57	1.52	1.44	1.44	1.40	
13	1.44	1.40	1.48	1.56	1.48	1.56	1.60	1.97	1.51	1.45	1.44	1.40	
14	1.55	1.44	1.47	1.52	1.46	1.56	1.66	1.92	1.50	1.44	1.43	1.40	
15	1.61	1.44	1.47	1.69	2.04	1.63	1.62	1.93	1.48	1.44	1.47	1.39	
16	1.65	1.41	1.45	1.57	1.79	1.53	1.54	1.86	1.47	1.43	1.74	1.40	
17	1.54	1.47	1.44	1.51	1.56	1.50	1.51	1.74	1.46	1.44	1.78	1.42	
18	1.47	1.52	1.42	1.50	1.51	1.50	1.49	2.79	1.54	1.44	1.54	1.57	
19	1.52	1.44	1.47	1.49	1.69	1.55	1.50	2.10	1.59	1.45	1.48	1.60	
20	1.48	1.42	1.43	1.48	1.65	1.92	1.60	1.94	1.48	1.44	1.46	1.49	
21	1.45	1.40	1.46	1.47	1.88	1.96	1.80	1.94	1.56	1.43	1.44	1.46	
22	1.43	1.55	1.61	1.48	2.03	1.75	1.60	1.87	1.47	1.42	1.45	1.44	
23	1.46	1.50	1.60	1.46	1.76	1.66	1.65	1.84	1.46	1.43	1.47	1.44	
24	1.44	1.44	1.55	1.45	2.03	1.66	1.58	1.72	1.44	1.43	1.48	1.43	
25	1.49	1.50	1.89	1.45	1.95	1.85	1.56	1.68	1.46	1.43	1.46	1.46	
26	1.55	1.55	1.60	1.44	1.99	1.84	1.53	1.67	1.56	1.42	1.45	1.42	
27	1.51	1.48	1.51	1.44	1.74	1.84	1.53	1.70	1.59	1.42	1.44	1.41	
28	1.46	1.70	1.49	1.52	1.64	1.73	1.54	1.70	1.49	1.41	1.43	1.43	
29	1.46	1.67	1.53	1.48	1.59	1.70	1.62	1.75	1.49	1.42		1.41	
30	1.45	1.50	1.49	1.56	1.69	1.75	1.98	1.71	1.46	1.41		1.42	
31		1.54		1.53	1.91		1.98		1.45	1.40		1.47	
Mean	1.50	1.47	1.52	1.54	1.66	1.65	1.65	1.77	1.53	1.44	1.49	1.43	
Max	1.73	1.70	1.89	1.93	2.04	1.96	1.98	2.79	1.78	1.46	1.78	1.60	2.79
Min	1.41	1.40	1.42	1.44	1.45	1.50	1.49	1.56	1.44	1.40	1.40	1.39	1.39
Annual Max Momentary Gage Height	3.55		m. (MSL.) ,				at 05.00 Hours , on Nov 18, 2021						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	0.71	m. (MSL.)					
Left Bank Elevation	4.90		m. (MSL.) ,										
Right Bank Elevation	4.89		m. (MSL.) ,			Drainage Are	56	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.63	0.60	0.80	0.72	0.80	2.03	2.85	2.12	3.18	0.56	0.40	0.52	
2	1.16	0.52	1.16	0.64	0.86	2.21	1.34	1.49	2.21	0.52	0.40	0.44	
3	1.10	0.56	0.72	0.60	1.28	1.58	1.04	1.16	1.85	0.52	0.44	0.44	
4	0.60	0.52	0.68	0.68	0.80	1.16	0.98	1.22	1.58	0.60	0.40	0.44	
5	0.52	0.48	1.67	0.56	0.72	0.98	1.76	1.16	1.40	0.64	0.40	0.52	
6	1.58	0.56	0.76	0.60	0.68	0.86	4.83	1.58	1.28	0.60	0.40	0.52	
7	1.22	0.48	0.72	0.56	0.68	0.80	3.18	2.12	1.16	0.60	1.58	0.44	
8	0.68	0.44	0.68	2.52	0.60	1.40	3.73	2.12	1.04	0.64	2.12	0.40	
9	0.56	0.40	0.98	2.85	0.72	2.30	2.52	1.76	0.92	0.60	1.28	0.40	
10	0.48	0.48	1.22	3.40	1.76	1.28	2.12	1.34	0.86	0.56	0.68	0.44	
11	0.44	0.48	0.92	4.83	1.10	1.10	2.03	1.34	0.86	0.56	0.60	0.36	
12	0.44	0.44	0.76	1.85	0.98	1.49	1.67	1.22	0.92	0.56	0.56	0.40	
13	0.56	0.40	0.72	1.16	0.72	1.16	1.40	5.27	0.86	0.60	0.56	0.40	
14	1.10	0.56	0.68	0.92	0.64	1.16	1.94	4.72	0.80	0.56	0.52	0.40	
15	1.49	0.56	0.68	2.21	6.04	1.67	1.58	4.83	0.72	0.56	0.68	0.36	
16	1.85	0.44	0.60	1.22	3.29	0.98	1.04	4.06	0.68	0.52	2.74	0.40	
17	1.04	0.68	0.56	0.86	1.16	0.80	0.86	2.74	0.64	0.56	3.18	0.48	
18	0.68	0.92	0.48	0.80	0.86	0.80	0.76	15.65	1.04	0.56	1.04	1.22	
19	0.92	0.56	0.68	0.76	2.21	1.10	0.80	6.70	1.34	0.60	0.72	1.40	
20	0.72	0.48	0.52	0.72	1.85	4.72	1.40	4.94	0.72	0.56	0.64	0.76	
21	0.60	0.40	0.64	0.68	4.28	5.16	3.40	4.94	1.16	0.52	0.56	0.64	
22	0.52	1.10	1.49	0.72	5.93	2.85	1.40	4.17	0.68	0.48	0.60	0.56	
23	0.64	0.80	1.40	0.64	2.96	1.94	1.85	3.84	0.64	0.52	0.68	0.56	
24	0.56	0.56	1.10	0.60	5.93	1.94	1.28	2.52	0.56	0.52	0.72	0.52	
25	0.76	0.80	4.39	0.60	5.05	3.95	1.16	2.12	0.64	0.52	0.64	0.64	
26	1.10	1.10	1.40	0.56	5.49	3.84	0.98	2.03	1.16	0.48	0.60	0.48	
27	0.86	0.72	0.86	0.56	2.74	3.84	0.98	2.30	1.34	0.48	0.56	0.44	
28	0.64	2.30	0.76	0.92	1.76	2.63	1.04	2.30	0.76	0.44	0.52	0.52	
29	0.64	2.03	0.98	0.72	1.34	2.30	1.58	2.85	0.76	0.48		0.44	
30	0.60	0.80	0.76	1.16	2.21	2.85	5.38	2.41	0.64	0.44		0.48	
31		1.04		0.98	4.61		5.38		0.60	0.40		0.68	
Total	26.69	22.21	29.77	36.60	70.05	60.88	62.26	97.02	33.00	16.76	24.22	16.70	496.16 CMSDAY
Mean	0.89	0.72	0.99	1.18	2.26	2.03	2.01	3.23	1.06	0.54	0.86	0.54	1.36 CMS
Max	2.63	2.30	4.39	4.83	6.04	5.16	5.38	15.65	3.18	0.64	3.18	1.40	15.65 CMS
Min	0.44	0.40	0.48	0.56	0.60	0.80	0.76	1.16	0.56	0.40	0.40	0.36	0.36 CMS
Runoff	2.31	1.92	2.57	3.16	6.05	5.26	5.38	8.38	2.85	1.45	2.09	1.44	42.87 MCM
Momentary Peak	28.10 CMS. at 3.55 m. (MSL.) at 05.00 Hours , on Nov 18, 2021												
Runoff Yield	24.27	Liters/Second/Square KM.		Momentary Peak Yield		501.79	Liters/Second/Square KM.						

WATER YEAR : 2021
PENINSULA - WEST COAST

Khlong Kapong at Ban Tha Na , Phang Nga (X.196)

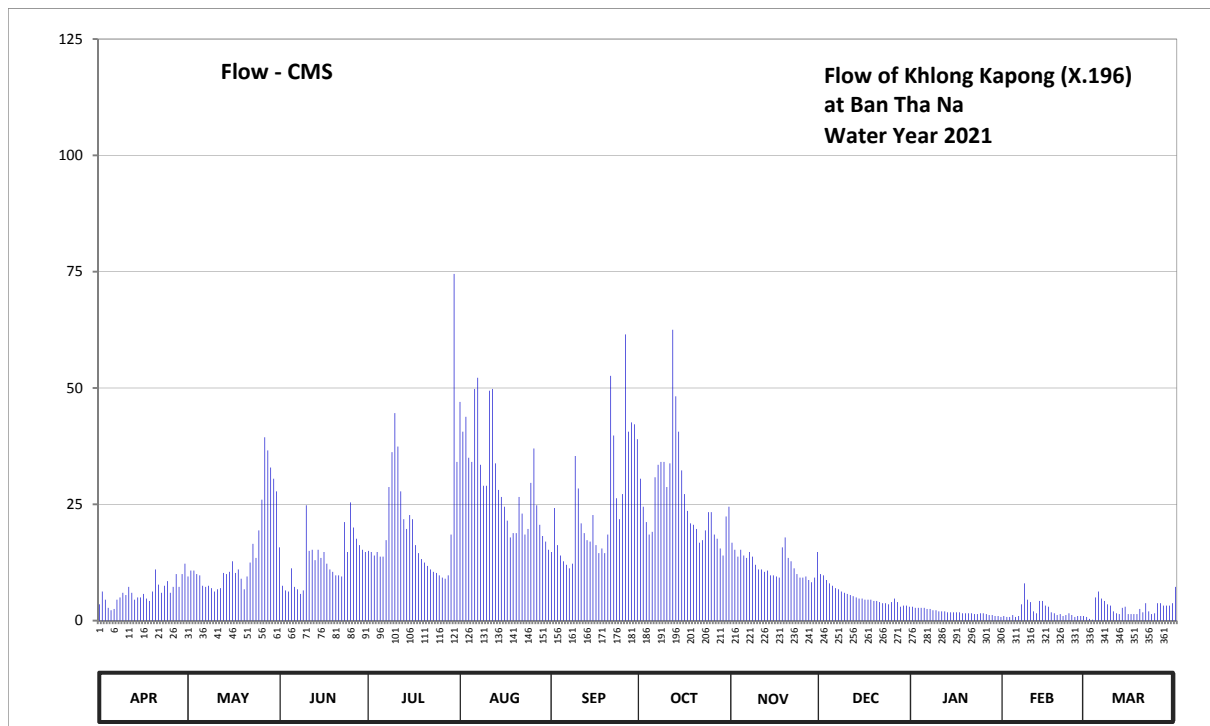
Lat 08 - 42 - 09 N Long 98 - 24 - 33 E

Location : on left bank at the bridge.

	Ban Tha Na	Amphoe Kapong	Changwat Phang Nga
Drainage Area	131 sq.km.		
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	Fairly Stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Stage-discharge relation defined by 15 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	14.76	15.00	15.25	15.22	16.20	15.21	15.75	15.29	15.02	14.74	14.65	14.64	
2	14.87	15.05	14.92	15.21	16.04	15.54	15.55	15.23	15.01	14.73	14.64	14.62	
3	14.80	15.05	14.88	15.18	16.12	15.27	15.44	15.17	14.97	14.73	14.64	14.61	
4	14.73	15.02	14.87	15.21	15.90	15.18	15.35	15.23	14.94	14.73	14.66	14.82	
5	14.71	15.01	15.07	15.17	15.87	15.13	15.37	15.18	14.92	14.73	14.64	14.87	
6	14.72	14.92	14.91	15.17	16.27	15.10	15.76	15.16	14.90	14.72	14.65	14.81	
7	14.80	14.91	14.89	15.31	16.33	15.07	15.85	15.21	14.89	14.72	14.76	14.79	
8	14.82	14.92	14.85	15.69	15.85	15.11	15.87	15.17	14.87	14.71	14.94	14.76	
9	14.86	14.90	14.88	15.93	15.70	15.91	15.87	15.10	14.86	14.71	14.80	14.75	
10	14.84	14.87	15.56	16.14	15.70	15.68	15.69	15.06	14.85	14.70	14.78	14.70	
11	14.91	14.89	15.22	15.96	16.26	15.43	15.86	15.06	14.84	14.70	14.70	14.68	
12	14.86	14.90	15.23	15.66	16.27	15.36	16.55	15.04	14.83	14.70	14.68	14.67	
13	14.80	15.03	15.14	15.46	15.86	15.31	16.23	15.05	14.82	14.69	14.79	14.73	
14	14.82	15.02	15.23	15.39	15.67	15.30	16.04	15.01	14.81	14.69	14.79	14.74	
15	14.82	15.04	15.16	15.49	15.62	15.49	15.81	15.01	14.81	14.69	14.75	14.67	
16	14.85	15.13	15.21	15.46	15.55	15.27	15.64	15.00	14.80	14.69	14.74	14.67	
17	14.81	15.03	15.11	15.27	15.45	15.20	15.52	14.99	14.80	14.69	14.69	14.67	
18	14.79	15.06	15.06	15.20	15.33	15.24	15.43	15.25	14.80	14.68	14.68	14.67	
19	14.87	14.98	15.04	15.15	15.36	15.20	15.42	15.33	14.79	14.68	14.66	14.72	
20	15.06	14.89	15.01	15.12	15.36	15.35	15.39	15.16	14.79	14.68	14.67	14.69	
21	14.93	15.00	15.01	15.09	15.62	16.34	15.29	15.13	14.78	14.68	14.65	14.77	
22	14.86	15.12	15.00	15.06	15.50	16.02	15.31	15.07	14.77	14.67	14.66	14.70	
23	14.92	15.28	15.44	15.04	15.35	15.61	15.38	15.02	14.77	14.67	14.68	14.67	
24	14.96	15.16	15.21	15.03	15.39	15.46	15.51	14.99	14.76	14.68	14.66	14.68	
25	14.86	15.38	15.58	15.01	15.72	15.64	15.51	14.99	14.78	14.68	14.64	14.77	
26	14.91	15.60	15.40	14.99	15.95	16.53	15.35	15.00	14.81	14.67	14.65	14.77	
27	15.02	16.01	15.32	14.98	15.56	16.04	15.32	14.97	14.78	14.66	14.65	14.75	
28	14.91	15.94	15.27	15.01	15.42	16.09	15.24	14.95	14.74	14.66	14.65	14.75	
29	15.02	15.83	15.23	15.35	15.34	16.08	15.18	14.99	14.75	14.65		14.75	
30	15.11	15.75	15.21	16.75	15.30	16.00	15.48	15.21	14.75	14.65		14.77	
31		15.66		15.87	15.23		15.55		14.74	14.64		14.91	
Mean	14.87	15.17	15.14	15.37	15.71	15.54	15.60	15.10	14.83	14.69	14.70	14.73	
Max	15.11	16.01	15.58	16.75	16.33	16.53	16.55	15.33	15.02	14.74	14.94	14.91	16.75
Min	14.71	14.87	14.85	14.98	15.23	15.07	15.18	14.95	14.74	14.64	14.64	14.61	14.61
Annual Max Momentary Gage Height	17.72			m. (MSL.) ,		at 11.00 Hours , on Jul 30, 2021							
Zero Gage at Bottom Elevation	0.00			m. (MSL.) ,		River Bed	12.38		m. (MSL)				
Left Bank Elevation		18.54		m. (MSL.) ,									
Right Bank Elevation		19.18		m. (MSL.) ,		Drainage Are	131		Square Kilometers				



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.50	9.50	15.75	15.00	47.00	14.75	30.50	16.75	10.00	3.00	1.00	0.80		
2	6.25	10.75	7.50	14.75	40.60	24.20	24.50	15.25	9.75	2.75	0.80	0.40		
3	4.50	10.75	6.50	14.00	43.80	16.25	21.20	13.75	8.75	2.75	0.80	0.20		
4	2.75	10.00	6.25	14.75	35.00	14.00	18.50	15.25	8.00	2.75	1.20	5.00		
5	2.25	9.75	11.25	13.75	34.10	12.75	19.10	14.00	7.50	2.75	0.80	6.25		
6	2.50	7.50	7.25	13.75	49.80	12.00	30.80	13.50	7.00	2.50	1.00	4.75		
7	4.50	7.25	6.75	17.30	52.20	11.25	33.50	14.75	6.75	2.50	3.50	4.25		
8	5.00	7.50	5.75	28.70	33.50	12.25	34.10	13.75	6.25	2.25	8.00	3.50		
9	6.00	7.00	6.50	36.20	29.00	35.40	34.10	12.00	6.00	2.25	4.50	3.25		
10	5.50	6.25	24.80	44.60	29.00	28.40	28.70	11.00	5.75	2.00	4.00	2.00		
11	7.25	6.75	15.00	37.40	49.40	20.90	33.80	11.00	5.50	2.00	2.00	1.60		
12	6.00	7.00	15.25	27.80	49.80	18.80	62.50	10.50	5.25	2.00	1.60	1.40		
13	4.50	10.25	13.00	21.80	33.80	17.30	48.20	10.75	5.00	1.80	4.25	2.75		
14	5.00	10.00	15.25	19.70	28.10	17.00	40.60	9.75	4.75	1.80	4.25	3.00		
15	5.00	10.50	13.50	22.70	26.60	22.70	32.30	9.75	4.75	1.80	3.25	1.40		
16	5.75	12.75	14.75	21.80	24.50	16.25	27.20	9.50	4.50	1.80	3.00	1.40		
17	4.75	10.25	12.25	16.25	21.50	14.50	23.60	9.25	4.50	1.80	1.80	1.40		
18	4.25	11.00	11.00	14.50	17.90	15.50	20.90	15.75	4.50	1.60	1.60	1.40		
19	6.25	9.00	10.50	13.25	18.80	14.50	20.60	17.90	4.25	1.60	1.20	2.50		
20	11.00	6.75	9.75	12.50	18.80	18.50	19.70	13.50	4.25	1.60	1.40	1.80		
21	7.75	9.50	9.75	11.75	26.60	52.60	16.75	12.75	4.00	1.60	1.00	3.75		
22	6.00	12.50	9.50	11.00	23.00	39.80	17.30	11.25	3.75	1.40	1.20	2.00		
23	7.50	16.50	21.20	10.50	18.50	26.30	19.40	10.00	3.75	1.40	1.60	1.40		
24	8.50	13.50	14.75	10.25	19.70	21.80	23.30	9.25	3.50	1.60	1.20	1.60		
25	6.00	19.40	25.40	9.75	29.60	27.20	23.30	9.25	4.00	1.60	0.80	3.75		
26	7.25	26.00	20.00	9.25	37.00	61.50	18.50	9.50	4.75	1.40	1.00	3.75		
27	10.00	39.40	17.60	9.00	24.80	40.60	17.60	8.75	4.00	1.20	1.00	3.25		
28	7.25	36.60	16.25	9.75	20.60	42.60	15.50	8.25	3.00	1.20	1.00	3.25		
29	10.00	32.90	15.25	18.50	18.20	42.20	14.00	9.25	3.25	1.00		3.25		
30	12.25	30.50	14.75	74.50	17.00	39.00	22.40	14.75	3.25	1.00		3.75		
31		27.80		34.10	15.25		24.50		3.00	0.80		7.25		
Total	185.00	445.10	393.00	628.85	933.45	750.80	816.95	360.65	163.25	57.50	58.75	86.05	4879.35	CMSDAY
Mean	6.17	14.36	13.10	20.29	30.11	25.03	26.35	12.02	5.27	1.85	2.10	2.78	13.37	CMS
Max	12.25	39.40	25.40	74.50	52.20	61.50	62.50	17.90	10.00	3.00	8.00	7.25	74.50	CMS
Min	2.25	6.25	5.75	9.00	15.25	11.25	14.00	8.25	3.00	0.80	0.80	0.20	0.20	CMS
Runoff	15.98	38.46	33.96	54.33	80.65	64.87	70.58	31.16	14.10	4.97	5.08	7.43	421.58	MCM
Momentary Peak	160.20 CMS. at 17.72 m. (MSL.) at 11.00 Hours , on Jul 30, 2021													
Runoff Yield	102.05	Liters/Second/Square KM.		Momentary Peak Yield		1222.90	Liters/Second/Square KM.							

WATER YEAR : 2021

PENINSULA - WEST COAST

Khlong La-Un at Ban La-Un Tai , Ranong (X.205)

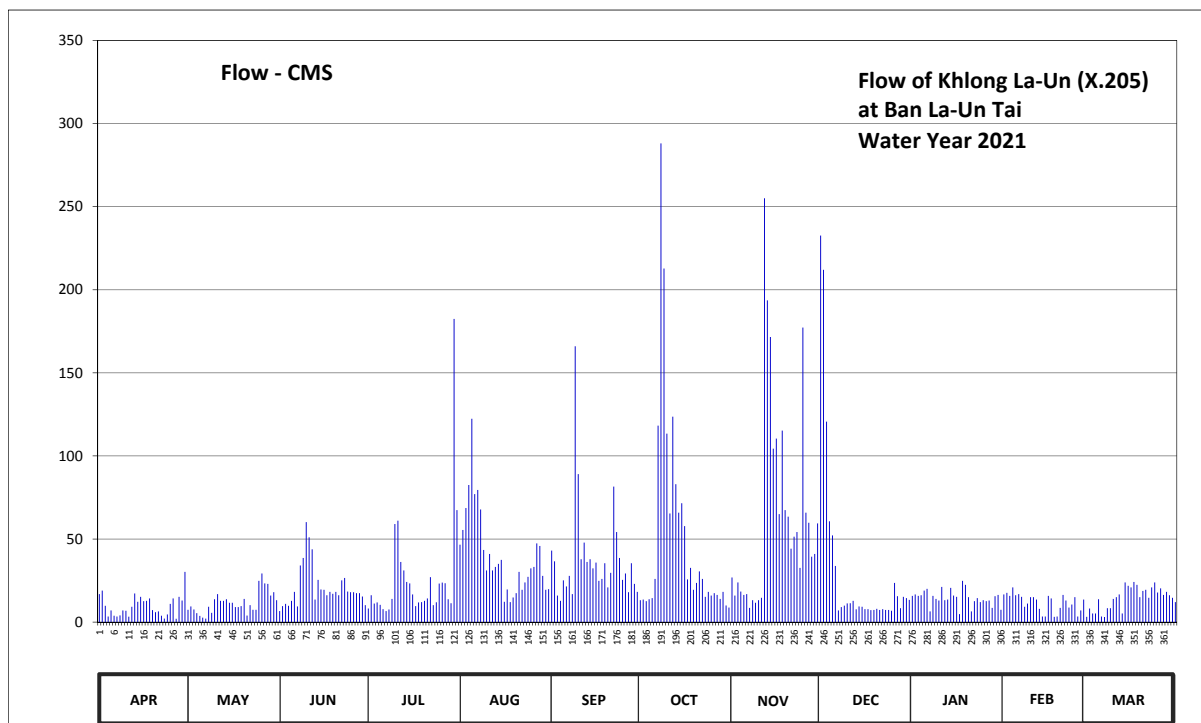
Lat 10 - 06 - 37 N Long 98 - 45 - 32 E

Location : on left bank at the bridge.

	Ban	La-Un Tai	Amphoe	La-Un	Changwat	Ranong
Drainage 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 12 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.84	0.37	0.33	0.41	1.79	1.70	0.66	1.23	4.84	0.79	0.83	0.12	
2	0.95	0.47	0.48	0.81	2.01	1.54	0.68	0.80	4.60	0.83	0.88	0.41	
3	0.49	0.38	0.55	0.56	2.34	0.80	0.63	1.13	3.31	0.79	0.79	0.26	
4	0.14	0.27	0.49	0.59	2.63	0.64	0.69	0.92	2.14	0.81	1.03	0.26	
5	0.35	0.17	0.64	0.52	3.34	1.17	0.72	0.82	1.93	0.95	0.81	0.69	
6	0.18	0.07	0.91	0.39	2.52	1.05	1.20	0.84	1.46	1.00	0.84	0.14	
7	0.14	0.01	0.47	0.33	2.57	1.26	3.27	0.43	1.10	0.32	0.76	0.11	
8	0.20	0.46	1.47	0.38	2.32	0.84	5.40	0.66	1.30	0.79	0.46	0.42	
9	0.35	0.28	1.59	0.70	1.71	4.00	4.61	0.58	1.39	0.70	0.56	0.42	
10	0.34	0.69	2.13	2.10	1.37	2.76	3.19	0.66	1.53	0.65	0.75	0.70	
11	0.13	0.84	1.90	2.15	1.65	1.57	2.26	0.73	1.54	1.04	0.75	0.75	
12	0.46	0.64	1.72	1.53	1.37	1.82	3.36	5.07	1.64	0.66	0.68	0.83	
13	0.86	0.64	0.68	1.37	1.44	1.53	2.64	4.37	1.17	0.68	0.40	0.26	
14	0.61	0.69	1.18	1.14	1.50	1.57	2.27	4.08	1.34	1.02	0.14	1.13	
15	0.76	0.58	0.98	1.11	1.56	1.41	2.41	3.04	1.32	0.80	0.14	1.06	
16	0.63	0.58	0.97	0.83	0.61	1.52	2.07	3.14	1.18	0.76	0.79	1.03	
17	0.64	0.45	0.81	0.48	0.98	1.16	1.19	2.25	1.18	0.24	0.71	1.14	
18	0.71	0.45	0.91	0.59	0.60	1.20	1.42	3.22	1.12	1.16	0.12	1.08	
19	0.36	0.48	0.85	0.60	0.74	1.51	0.97	2.31	1.13	1.08	0.14	0.75	
20	0.30	0.70	0.91	0.64	0.87	1.03	1.12	2.21	1.20	0.75	0.43	0.94	
21	0.32	0.19	0.81	0.71	1.34	1.32	1.35	1.73	1.13	0.32	0.82	0.97	
22	0.18	0.51	1.17	2.30	0.97	2.61	1.20	1.91	1.18	0.63	0.65	0.73	
23	0.01	0.37	1.22	1.42	1.13	1.98	0.76	1.98	1.13	0.72	0.44	1.03	
24	0.23	0.37	0.92	1.59	1.24	1.59	0.91	1.42	1.13	0.60	0.53	1.13	
25	0.55	1.16	0.90	2.16	1.41	1.18	0.80	4.16	1.08	0.66	0.75	0.89	
26	0.71	1.31	0.90	2.19	1.44	1.31	0.87	2.27	1.12	0.63	0.14	1.01	
27	0.00	1.11	0.87	2.17	1.81	0.90	0.82	2.12	0.78	0.65	0.35	0.82	
28	0.76	1.10	0.87	1.69	1.77	1.51	0.70	1.61	0.42	0.43	0.68	0.91	
29	0.65	0.80	0.77	1.54	1.26	1.10	0.91	1.65	0.76	0.78		0.81	
30	1.34	0.90	0.51	4.23	0.97	0.91	0.50	2.11	0.72	0.82		0.73	
31		0.66		2.31	0.99		0.44		0.67	0.37		0.60	
Mean	0.47	0.57	0.96	1.28	1.56	1.48	1.61	1.98	1.50	0.72	0.58	0.71	
Max	1.34	1.31	2.13	4.23	3.34	4.00	5.40	5.07	4.84	1.16	1.03	1.14	5.40
Min	0.00	0.01	0.33	0.33	0.60	0.64	0.44	0.43	0.42	0.24	0.12	0.11	0.00
Annual Max Momentary Gage Height	5.80		m. (MSL.) ,				at 12.00 Hours , on Oct 8, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	-0.58	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	16.80	7.40	6.60	8.20	46.60	43.00	13.20	26.90	232.60	15.80	16.60	3.20		
2	19.00	9.40	9.60	16.20	55.40	36.60	13.60	16.00	212.00	16.60	17.60	8.20		
3	9.80	7.60	11.00	11.20	68.60	16.00	12.60	23.90	120.60	15.80	15.80	5.20		
4	3.40	5.40	9.80	11.80	82.50	12.80	13.80	18.40	60.60	16.20	20.90	5.20		
5	7.00	3.70	12.80	10.40	122.40	25.10	14.40	16.40	52.20	19.00	16.20	13.80		
6	3.80	2.70	18.20	7.80	77.00	21.50	26.00	16.80	33.80	20.00	16.80	3.40		
7	3.40	2.10	9.40	6.60	79.50	27.80	118.20	8.60	7.00	6.40	15.20	3.10		
8	4.00	9.20	34.10	7.60	67.80	16.80	288.00	13.20	9.00	15.80	9.20	8.40		
9	7.00	5.60	38.60	14.00	43.40	166.00	212.80	11.60	9.90	14.00	11.20	8.40		
10	6.80	13.80	60.20	59.00	31.10	89.00	113.40	13.20	11.30	13.00	15.00	14.00		
11	3.30	16.80	51.00	61.00	41.00	37.80	65.40	14.60	11.40	21.20	15.00	15.00		
12	9.20	12.80	43.80	36.20	31.10	47.80	123.60	255.00	12.80	13.20	13.60	16.60		
13	17.20	12.80	13.60	31.10	33.20	36.20	83.00	193.60	7.70	13.60	8.00	5.20		
14	12.20	13.80	25.40	24.20	35.00	37.80	65.80	171.60	9.40	20.60	3.40	23.90		
15	15.20	11.60	19.60	23.30	37.40	32.30	71.50	104.40	9.20	16.00	3.40	21.80		
16	12.60	11.60	19.40	16.60	12.20	35.80	57.80	110.40	7.80	15.20	15.80	20.90		
17	12.80	9.00	16.20	9.60	19.60	24.80	25.70	65.00	7.80	4.80	14.20	24.20		
18	14.20	9.00	18.20	11.80	12.00	26.00	32.60	115.20	7.20	24.80	3.20	22.40		
19	7.20	9.60	17.00	12.00	14.80	35.40	19.40	67.40	7.30	22.40	3.40	15.00		
20	6.00	14.00	18.20	12.80	17.40	20.90	23.60	63.40	8.00	15.00	8.60	18.80		
21	6.40	3.90	16.20	14.20	30.20	29.60	30.50	44.20	7.30	6.40	16.40	19.40		
22	3.80	10.20	25.10	27.00	19.40	81.50	26.00	51.40	7.80	12.60	13.00	14.60		
23	2.10	7.40	26.60	10.20	23.90	54.20	15.20	54.20	7.30	14.40	8.80	20.90		
24	4.60	7.40	18.40	11.90	27.20	38.60	18.20	32.60	7.30	12.00	10.60	23.90		
25	11.00	24.80	18.00	23.20	32.30	25.40	16.00	177.20	6.80	13.20	15.00	17.80		
26	14.20	29.30	18.00	23.80	33.20	29.30	17.40	65.80	23.60	12.60	3.40	20.30		
27	2.00	23.30	17.40	23.40	47.40	18.00	16.40	59.80	15.60	13.00	7.00	16.40		
28	15.20	23.00	17.40	13.80	45.80	35.40	14.00	39.40	8.40	8.60	13.60	18.20		
29	13.00	16.00	15.40	11.40	27.80	23.00	18.20	41.00	15.20	15.60		16.20		
30	30.20	18.00	10.20	182.40	19.40	18.20	10.00	59.40	14.40	16.40		14.60		
31		13.20		67.40	19.80		8.80		13.40	7.40		12.00		
Total	293.40	364.40	635.40	800.10	1254.40	1142.60	1585.10	1950.60	964.70	451.60	330.90	451.00	10224.20	CMSDAY
Mean	9.78	11.75	21.18	25.81	40.46	38.09	51.13	65.02	31.12	14.57	11.82	14.55	28.01	CMS
Max	30.20	29.30	60.20	182.40	122.40	166.00	288.00	255.00	232.60	24.80	20.90	24.20	288.00	CMS
Min	2.00	2.10	6.60	6.60	12.00	12.80	8.80	8.60	6.80	4.80	3.20	3.10	2.00	CMS
Runoff	25.35	31.48	54.90	69.13	108.38	98.72	136.95	168.53	83.35	39.02	28.59	38.97	883.37	MCM
Momentary Peak	CMS. at 5.80 m. (MSL.) at 12.00 Hours , on Oct 8, 2021													
Runoff Yield	122.32 Liters/Second/Square KM.				Momentary Peak Yield 1436.68				Liters/Second/Square KM.					

WATER YEAR : 2021**PENINSULA - WEST COAST****Khlong Kra Buri at Ban Bang Nam Chud , Ranong (X.207)**

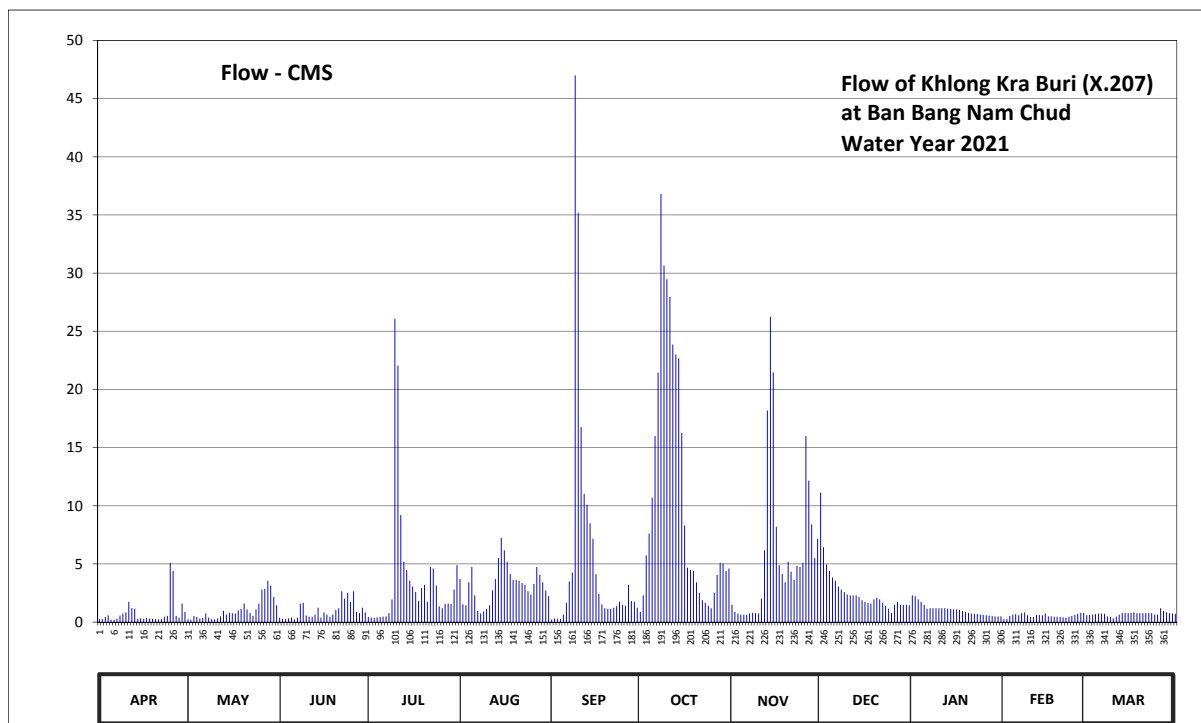
Lat 10 - 24 - 00 N Long 98 - 47 - 11 E

Location : on left bank at the bridge.

	Ban	Bang Nam Chud	Amphoe	Kra buri	Changwat	Ranong
Drainage Area	45	sq.km.				
Type of Gage	Staff gage.					
Zero Gage at Bottom	+0.000	m. (MSL.)				
Bench Mark	B.M.-H.D.					
Location BM	on right bank 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 fair. Stage-discharge relation defined by 12 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.52	1.51	1.56	1.58	2.20	1.51	1.72	1.87	3.04	2.00	1.52	1.63	
2	1.52	1.50	1.53	1.56	1.88	1.54	2.00	1.72	2.56	1.99	1.52	1.64	
3	1.58	1.61	1.52	1.55	1.86	1.53	2.48	1.67	2.38	1.95	1.61	1.65	
4	1.63	1.58	1.54	1.57	2.16	1.52	2.69	1.65	2.30	1.92	1.65	1.66	
5	1.50	1.54	1.56	1.58	2.35	1.65	3.00	1.65	2.22	1.87	1.66	1.68	
6	1.50	1.55	1.51	1.59	2.00	1.91	3.43	1.64	2.18	1.79	1.63	1.68	
7	1.53	1.68	1.56	1.60	1.74	2.17	3.83	1.68	2.11	1.80	1.69	1.67	
8	1.62	1.56	1.90	1.69	1.68	2.28	4.69	1.70	2.07	1.80	1.71	1.60	
9	1.68	1.52	1.91	1.95	1.73	5.20	4.38	1.69	2.04	1.80	1.63	1.58	
10	1.71	1.51	1.62	4.11	1.78	4.61	4.31	1.68	2.01	1.80	1.58	1.54	
11	1.92	1.54	1.59	3.87	1.86	3.49	4.22	1.96	2.00	1.80	1.58	1.59	
12	1.80	1.60	1.59	2.85	2.06	3.03	3.98	2.53	2.00	1.80	1.64	1.65	
13	1.79	1.74	1.65	2.41	2.20	2.94	3.93	3.60	2.00	1.79	1.64	1.70	
14	1.53	1.65	1.81	2.31	2.45	2.78	3.91	4.12	1.98	1.78	1.63	1.70	
15	1.54	1.70	1.56	2.18	2.65	2.64	3.45	3.83	1.94	1.77	1.68	1.69	
16	1.53	1.69	1.71	2.11	2.53	2.26	2.76	2.75	1.92	1.77	1.60	1.70	
17	1.55	1.68	1.65	2.04	2.41	2.02	2.34	2.37	1.91	1.76	1.60	1.71	
18	1.54	1.75	1.59	1.93	2.26	1.88	2.31	2.26	1.90	1.74	1.59	1.69	
19	1.53	1.78	1.65	2.09	2.19	1.80	2.30	2.16	1.95	1.72	1.59	1.69	
20	1.52	1.90	1.76	2.13	2.19	1.79	2.16	2.41	1.97	1.70	1.58	1.69	
21	1.51	1.77	1.80	1.92	2.18	1.78	2.03	2.29	1.95	1.68	1.57	1.69	
22	1.52	1.70	2.05	2.35	2.15	1.81	1.94	2.19	1.91	1.67	1.56	1.70	
23	1.59	1.61	1.96	2.33	2.13	1.84	1.91	2.36	1.85	1.66	1.59	1.69	
24	1.61	1.77	2.03	2.12	2.05	1.92	1.85	2.35	1.79	1.65	1.61	1.65	
25	2.40	1.90	1.92	1.84	2.01	1.87	1.80	2.40	1.69	1.64	1.64	1.65	
26	2.30	2.07	2.05	1.80	2.14	1.85	2.03	3.43	1.87	1.63	1.67	1.80	
27	1.61	2.08	1.72	1.89	2.35	2.13	2.25	3.13	1.92	1.62	1.70	1.74	
28	1.56	2.18	1.69	1.90	2.25	1.93	2.40	2.77	1.87	1.61	1.70	1.71	
29	1.90	2.12	1.81	1.89	2.16	1.92	2.39	2.45	1.87	1.60		1.69	
30	1.72	1.98	1.71	2.07	2.06	1.81	2.30	2.64	1.87	1.60		1.68	
31		1.86		2.37	1.99		2.33		1.86	1.60		1.67	
Mean	1.66	1.73	1.72	2.10	2.12	2.25	2.81	2.37	2.03	1.75	1.62	1.67	
Max	2.40	2.18	2.05	4.11	2.65	5.20	4.69	4.12	3.04	2.00	1.71	1.80	5.20
Min	1.50	1.50	1.51	1.55	1.68	1.51	1.72	1.64	1.69	1.60	1.52	1.54	1.50
Annual Max Momentary Gage Height	5.32		m. (MSL.) ,			at 18.00 Hours , on Sep 9, 2021							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	1.45	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.26	0.23	0.38	0.44	3.70	0.23	0.88	1.48	11.14	2.30	0.26	0.59		
2	0.26	0.20	0.29	0.38	1.52	0.32	2.30	0.88	6.44	2.23	0.26	0.62		
3	0.44	0.53	0.26	0.35	1.44	0.29	5.74	0.71	4.96	1.95	0.53	0.65		
4	0.59	0.44	0.32	0.41	3.42	0.26	7.61	0.65	4.40	1.74	0.65	0.68		
5	0.20	0.32	0.38	0.44	4.75	0.65	10.70	0.65	3.84	1.48	0.68	0.74		
6	0.20	0.35	0.23	0.47	2.30	1.67	15.99	0.62	3.56	1.16	0.59	0.74		
7	0.29	0.74	0.38	0.50	0.96	3.49	21.45	0.74	3.07	1.20	0.77	0.71		
8	0.56	0.38	1.60	0.77	0.74	4.26	36.80	0.80	2.79	1.20	0.84	0.50		
9	0.74	0.26	1.67	1.95	0.92	47.00	30.66	0.77	2.58	1.20	0.59	0.44		
10	0.84	0.23	0.56	26.07	1.12	35.20	29.47	0.74	2.37	1.20	0.44	0.32		
11	1.74	0.32	0.47	22.05	1.44	16.77	27.94	2.02	2.30	1.20	0.44	0.47		
12	1.20	0.50	0.47	9.20	2.72	11.03	23.86	6.17	2.30	1.20	0.62	0.65		
13	1.16	0.96	0.65	5.18	3.70	10.10	23.01	18.20	2.30	1.16	0.62	0.80		
14	0.29	0.65	1.24	4.47	5.50	8.50	22.67	26.24	2.16	1.12	0.59	0.80		
15	0.32	0.80	0.38	3.56	7.25	7.16	16.25	21.45	1.88	1.08	0.74	0.77		
16	0.29	0.77	0.84	3.07	6.17	4.12	8.30	8.20	1.74	1.08	0.50	0.80		
17	0.35	0.74	0.65	2.58	5.18	2.44	4.68	4.89	1.67	1.04	0.50	0.84		
18	0.32	1.00	0.47	1.81	4.12	1.52	4.47	4.12	1.60	0.96	0.47	0.77		
19	0.29	1.12	0.65	2.93	3.63	1.20	4.40	3.42	1.95	0.88	0.47	0.77		
20	0.26	1.60	1.04	3.21	3.63	1.16	3.42	5.18	2.09	0.80	0.44	0.77		
21	0.23	1.08	1.20	1.74	3.56	1.12	2.51	4.33	1.95	0.74	0.41	0.77		
22	0.26	0.80	2.65	4.75	3.35	1.24	1.88	3.63	1.67	0.71	0.38	0.80		
23	0.47	0.53	2.02	4.61	3.21	1.36	1.67	4.82	1.40	0.68	0.47	0.77		
24	0.53	1.08	2.51	3.14	2.65	1.74	1.40	4.75	1.16	0.65	0.53	0.65		
25	5.10	1.60	1.74	1.36	2.37	1.48	1.20	5.10	0.77	0.62	0.62	0.65		
26	4.40	2.79	2.65	1.20	3.28	1.40	2.51	15.99	1.48	0.59	0.71	1.20		
27	0.53	2.86	0.88	1.56	4.75	3.21	4.05	12.16	1.74	0.56	0.80	0.96		
28	0.38	3.56	0.77	1.60	4.05	1.81	5.10	8.40	1.48	0.53	0.80	0.84		
29	1.60	3.14	1.24	1.56	3.42	1.74	5.03	5.50	1.48	0.50		0.77		
30	0.88	2.16	0.84	2.79	2.72	1.24	4.40	7.16	1.48	0.50		0.74		
31		1.44		4.89	2.23		4.61		1.44	0.50		0.71		
Total	24.98	33.18	29.43	119.04	99.80	173.71	334.96	179.77	81.19	32.76	15.72	22.29	1146.83	CMSDAY
Mean	0.83	1.07	0.98	3.84	3.22	5.79	10.81	5.99	2.62	1.06	0.56	0.72	3.14	CMS
Max	5.10	3.56	2.65	26.07	7.25	47.00	36.80	26.24	11.14	2.30	0.84	1.20	47.00	CMS
Min	0.20	0.20	0.23	0.35	0.74	0.23	0.88	0.62	0.77	0.50	0.26	0.32	0.20	CMS
Runoff	2.16	2.87	2.54	10.29	8.62	15.01	28.94	15.53	7.01	2.83	1.36	1.93	99.09	MCM
Momentary Peak	CMS. at 5.32 m. (MSL.) at 18.00 Hours , on Sep 9, 2021													
Runoff Yield	69.82 Liters/Second/Square KM.				Momentary Peak Yield 1097.78 Liters/Second/Square KM.									

WATER YEAR : 2021**PENINSULA - WEST COAST****Upper Khlong Kapoe at Ban Chaew Lueang , Ranong (X.208A)**

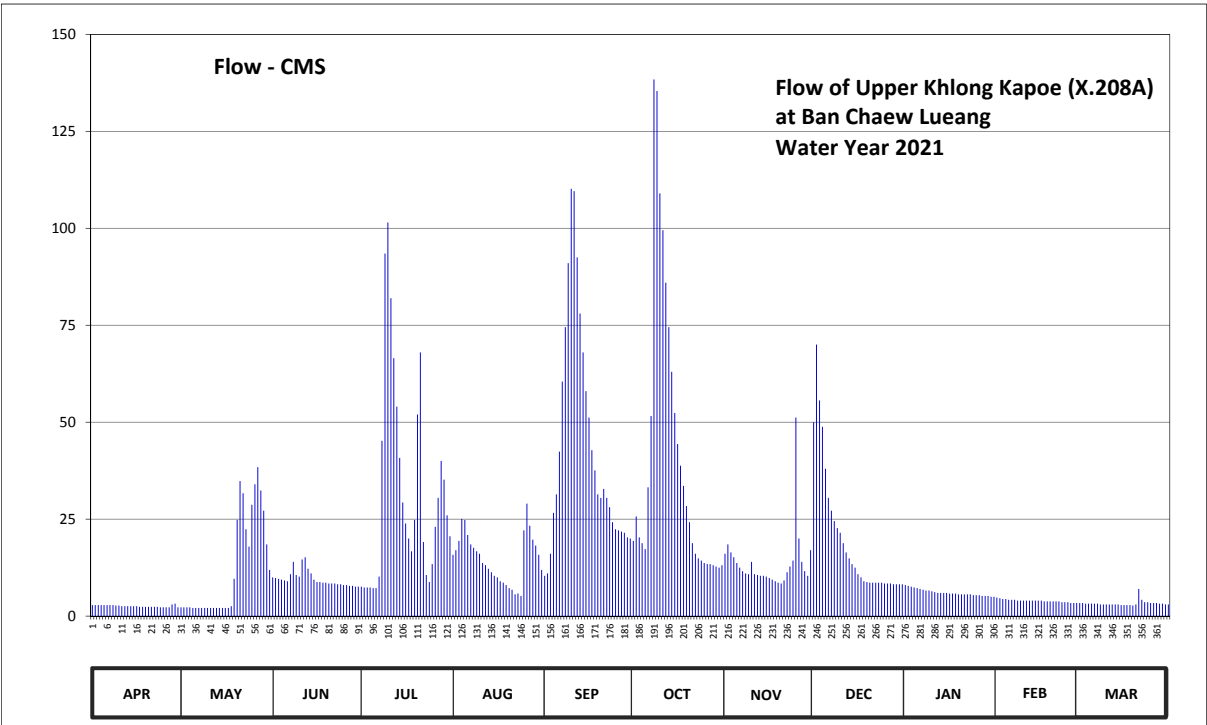
Lat 09 - 35 - 23 N Long 98 - 37 - 59 E

Location : on left bank at the bridge.

	Ban	Chaew Lueang	Amphoe	Kapoe	Changwat	Ranong
Drainage Area	189	sq.km.				
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 fair. Stage-discharge relation defined by 12 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	11.99	11.95	12.35	12.23	12.56	12.37	12.68	12.57	13.55	12.25	12.09	12.02	
2	11.99	11.95	12.34	12.22	12.60	12.40	12.89	12.65	13.98	12.24	12.08	12.02	
3	11.99	11.95	12.33	12.22	12.68	12.57	12.71	12.58	13.69	12.23	12.07	12.01	
4	11.99	11.95	12.32	12.22	12.87	12.92	12.66	12.54	13.52	12.22	12.07	12.01	
5	11.99	11.94	12.31	12.21	12.86	13.08	12.61	12.49	13.25	12.21	12.06	12.01	
6	11.99	11.94	12.30	12.21	12.73	13.36	13.13	12.45	13.05	12.20	12.06	12.01	
7	11.99	11.94	12.39	12.36	12.65	13.79	13.59	12.42	12.94	12.19	12.06	12.01	
8	11.99	11.94	12.50	13.43	12.62	14.07	15.24	12.40	12.85	12.18	12.05	12.00	
9	11.98	11.94	12.38	14.45	12.59	14.40	15.19	12.39	12.79	12.18	12.05	12.00	
10	11.98	11.94	12.36	14.61	12.57	14.77	14.75	12.50	12.75	12.17	12.05	12.00	
11	11.97	11.94	12.52	14.22	12.49	14.76	14.57	12.39	12.66	12.16	12.05	12.00	
12	11.97	11.94	12.54	13.91	12.47	14.43	14.30	12.38	12.58	12.15	12.05	12.00	
13	11.97	11.94	12.44	13.65	12.44	14.14	14.07	12.37	12.53	12.15	12.05	12.00	
14	11.97	11.94	12.40	13.32	12.41	13.94	13.84	12.37	12.48	12.15	12.05	12.00	
15	11.97	11.94	12.32	13.01	12.37	13.74	13.61	12.36	12.45	12.15	12.05	11.99	
16	11.97	11.94	12.29	12.83	12.35	13.58	13.41	12.34	12.39	12.14	12.05	11.99	
17	11.96	11.94	12.29	12.70	12.30	13.37	13.27	12.32	12.35	12.14	12.04	11.99	
18	11.96	11.97	12.28	12.59	12.28	13.24	13.14	12.30	12.30	12.14	12.04	11.99	
19	11.96	12.33	12.28	12.86	12.25	13.08	12.98	12.28	12.29	12.13	12.04	11.98	
20	11.96	12.86	12.27	13.60	12.21	13.05	12.84	12.27	12.28	12.13	12.04	12.00	
21	11.96	13.17	12.27	13.94	12.19	13.12	12.66	12.31	12.28	12.13	12.04	12.20	
22	11.96	13.09	12.27	12.67	12.13	13.05	12.57	12.41	12.28	12.13	12.04	12.06	
23	11.96	12.78	12.26	12.38	12.14	12.97	12.53	12.46	12.28	12.13	12.03	12.03	
24	11.95	12.63	12.26	12.29	12.11	12.84	12.51	12.51	12.28	12.12	12.03	12.03	
25	11.95	12.99	12.25	12.48	12.77	12.78	12.49	13.58	12.27	12.12	12.03	12.02	
26	11.95	13.15	12.25	12.80	13.00	12.77	12.48	12.70	12.27	12.12	12.02	12.02	
27	11.95	13.26	12.24	13.05	12.81	12.76	12.48	12.50	12.27	12.11	12.02	12.02	
28	12.00	13.11	12.24	13.30	12.69	12.75	12.47	12.42	12.26	12.11	12.02	12.01	
29	12.01	12.94	12.23	13.18	12.64	12.71	12.46	12.37	12.26	12.11		12.01	
30	11.95	12.65	12.23	12.90	12.56	12.70	12.45	12.60	12.26	12.10		12.00	
31		12.43		12.72	12.43		12.47		12.26	12.10		12.00	
Mean	11.97	12.33	12.32	12.99	12.51	13.32	13.20	12.47	12.63	12.15	12.05	12.01	
Max	12.01	13.26	12.54	14.61	13.00	14.77	15.24	13.58	13.98	12.25	12.09	12.20	15.24
Min	11.95	11.94	12.23	12.21	12.11	12.37	12.45	12.27	12.26	12.10	12.02	11.98	11.94
Annual Max Momentary Gage Height	15.75		m. (MSL.) ,				at 18.00 Hours , on Oct 8, 2021						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	11.48	m. (MSL.)					
Left Bank Elevation	16.45		m. (MSL.) ,										
Right Bank Elevation	16.54		m. (MSL.) ,			Drainage Are	189	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.85	2.25	10.00	7.60	15.80	10.40	19.40	16.10	50.00	8.00	4.80	3.40	
2	2.85	2.25	9.80	7.40	17.00	11.00	25.70	18.50	70.00	7.80	4.60	3.40	
3	2.85	2.25	9.60	7.40	19.40	16.10	20.30	16.40	55.60	7.60	4.40	3.20	
4	2.85	2.25	9.40	7.40	25.10	26.60	18.80	15.20	48.80	7.40	4.40	3.20	
5	2.85	2.10	9.20	7.20	24.80	31.40	17.30	13.70	38.00	7.20	4.20	3.20	
6	2.85	2.10	9.00	7.20	20.90	42.40	33.20	12.50	30.50	7.00	4.20	3.20	
7	2.85	2.10	10.80	10.20	18.50	60.50	51.60	11.60	27.20	6.80	4.20	3.20	
8	2.85	2.10	14.00	45.20	17.60	74.50	138.40	11.00	24.50	6.60	4.00	3.00	
9	2.70	2.10	10.60	93.50	16.70	91.00	135.40	10.80	22.70	6.60	4.00	3.00	
10	2.70	2.10	10.20	101.50	16.10	110.20	109.00	14.00	21.50	6.40	4.00	3.00	
11	2.55	2.10	14.60	82.00	13.70	109.60	99.50	10.80	18.80	6.20	4.00	3.00	
12	2.55	2.10	15.20	66.50	13.10	92.50	86.00	10.60	16.40	6.00	4.00	3.00	
13	2.55	2.10	12.20	54.00	12.20	78.00	74.50	10.40	14.90	6.00	4.00	3.00	
14	2.55	2.10	11.00	40.80	11.30	68.00	63.00	10.40	13.40	6.00	4.00	3.00	
15	2.55	2.10	9.40	29.30	10.40	58.00	52.40	10.20	12.50	6.00	4.00	2.85	
16	2.55	2.10	8.80	23.90	10.00	51.20	44.40	9.80	10.80	5.80	4.00	2.85	
17	2.40	2.10	8.80	20.00	9.00	42.80	38.80	9.40	10.00	5.80	3.80	2.85	
18	2.40	2.55	8.60	16.70	8.60	37.60	33.60	9.00	9.00	5.80	3.80	2.85	
19	2.40	9.60	8.60	24.80	8.00	31.40	28.40	8.60	8.80	5.60	3.80	2.70	
20	2.40	24.80	8.40	52.00	7.20	30.50	24.20	8.40	8.60	5.60	3.80	3.00	
21	2.40	34.80	8.40	68.00	6.80	32.80	18.80	9.20	8.60	5.60	3.80	7.00	
22	2.40	31.70	8.40	19.10	5.60	30.50	16.10	11.30	8.60	5.60	3.80	4.20	
23	2.40	22.40	8.20	10.60	5.80	28.10	14.90	12.80	8.60	5.60	3.60	3.60	
24	2.25	17.90	8.20	8.80	5.20	24.20	14.30	14.30	8.60	5.40	3.60	3.60	
25	2.25	28.70	8.00	13.40	22.10	22.40	13.70	51.20	8.40	5.40	3.60	3.40	
26	2.25	34.00	8.00	23.00	29.00	22.10	13.40	20.00	8.40	5.40	3.40	3.40	
27	2.25	38.40	7.80	30.50	23.30	21.80	13.40	14.00	8.40	5.20	3.40	3.40	
28	3.00	32.40	7.80	40.00	19.70	21.50	13.10	11.60	8.20	5.20	3.40	3.20	
29	3.20	27.20	7.60	35.20	18.20	20.30	12.80	10.40	8.20	5.20		3.20	
30	2.25	18.50	7.60	26.00	15.80	20.00	12.50	17.00	8.20	5.00		3.00	
31		11.90		20.60	11.90		13.10		8.20	5.00		3.00	
Total	77.75	371.15	288.20	999.80	458.80	1317.40	1270.00	409.20	604.40	188.80	110.60	101.90	6198.00 CMSDAY
Mean	2.59	11.97	9.61	32.25	14.80	43.91	40.97	13.64	19.50	6.09	3.95	3.29	16.98 CMS
Max	3.20	38.40	15.20	101.50	29.00	110.20	138.40	51.20	70.00	8.00	4.80	7.00	138.40 CMS
Min	2.25	2.10	7.60	7.20	5.20	10.40	12.50	8.40	8.20	5.00	3.40	2.70	2.10 CMS
Runoff	6.72	32.07	24.90	86.38	39.64	113.82	109.73	35.35	52.22	16.31	9.56	8.80	535.51 MCM
Momentary Peak	173.50 CMS. at 15.75 m. (MSL.) at 18.00 Hours , on Oct 8, 2021												
Runoff Yield	89.85	Liters/Second/Square KM.			Momentary Peak Yield			917.99	Liters/Second/Square KM.				

WATER YEAR : 2021**PENINSULA - WEST COAST****Lower Khlong Hat Sompan at Phetkasam Road , Ranong (X.209)**

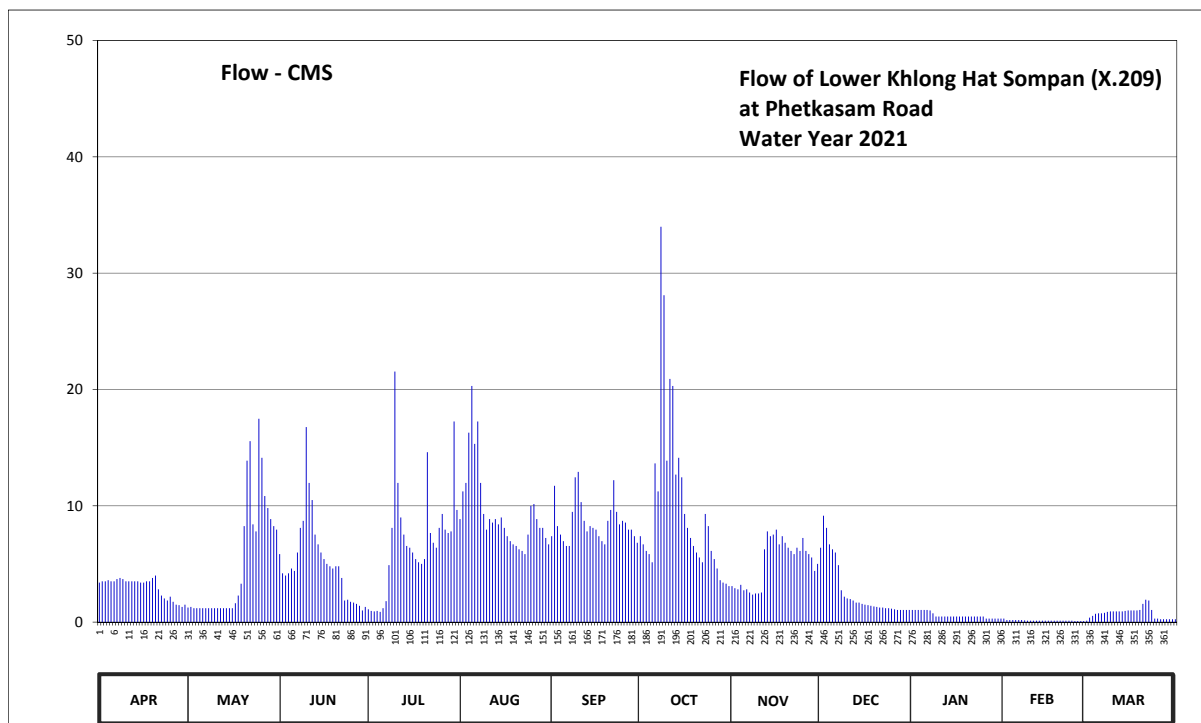
Lat 09 - 57 - 30 N Long 98 - 38 - 55 E

Location : on left bank at the bridge.

	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 12 discharge measurements made in 2021.				

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.04	7.75	8.26	7.72	8.47	8.37	8.37	8.01	8.30	7.71	7.50	7.44	
2	8.05	7.76	8.12	7.69	8.61	8.63	8.32	7.99	8.49	7.71	7.46	7.53	
3	8.05	7.74	8.10	7.68	8.64	8.43	8.28	7.98	8.42	7.71	7.46	7.58	
4	8.06	7.74	8.12	7.69	8.82	8.38	8.26	8.02	8.32	7.71	7.46	7.63	
5	8.05	7.74	8.16	7.67	8.97	8.34	8.21	7.97	8.29	7.71	7.46	7.64	
6	8.05	7.74	8.14	7.74	8.78	8.31	8.71	7.98	8.27	7.71	7.46	7.64	
7	8.07	7.74	8.27	7.85	8.86	8.31	8.61	7.95	8.19	7.70	7.46	7.65	
8	8.08	7.74	8.42	8.19	8.64	8.51	9.32	7.93	7.97	7.64	7.45	7.67	
9	8.07	7.74	8.46	8.42	8.50	8.66	9.19	7.94	7.91	7.56	7.44	7.68	
10	8.05	7.74	8.84	9.01	8.41	8.68	8.72	7.94	7.89	7.56	7.44	7.68	
11	8.05	7.74	8.64	8.64	8.47	8.56	8.99	7.95	7.88	7.56	7.44	7.68	
12	8.05	7.74	8.57	8.48	8.45	8.46	8.97	8.29	7.86	7.56	7.44	7.68	
13	8.05	7.74	8.38	8.38	8.47	8.40	8.67	8.40	7.83	7.56	7.44	7.68	
14	8.05	7.74	8.32	8.31	8.44	8.43	8.73	8.37	7.83	7.56	7.44	7.69	
15	8.04	7.74	8.27	8.30	8.48	8.42	8.66	8.38	7.81	7.56	7.44	7.70	
16	8.04	7.74	8.23	8.27	8.42	8.41	8.50	8.41	7.80	7.56	7.44	7.70	
17	8.05	7.82	8.20	8.23	8.37	8.37	8.42	8.32	7.79	7.56	7.44	7.70	
18	8.05	7.92	8.18	8.21	8.34	8.34	8.36	8.37	7.78	7.56	7.44	7.70	
19	8.08	8.03	8.16	8.20	8.32	8.32	8.31	8.33	7.77	7.56	7.44	7.71	
20	8.10	8.43	8.18	8.23	8.31	8.46	8.27	8.30	7.76	7.56	7.44	7.81	
21	7.98	8.72	8.18	8.75	8.29	8.52	8.24	8.28	7.75	7.56	7.44	7.87	
22	7.92	8.79	8.08	8.39	8.28	8.65	8.21	8.26	7.75	7.56	7.44	7.86	
23	7.89	8.44	7.86	8.33	8.26	8.51	8.50	8.30	7.74	7.56	7.44	7.71	
24	7.86	8.40	7.87	8.30	8.38	8.44	8.43	8.28	7.74	7.56	7.44	7.50	
25	7.91	8.87	7.84	8.42	8.54	8.46	8.28	8.36	7.73	7.56	7.43	7.50	
26	7.84	8.73	7.83	8.50	8.55	8.45	8.23	8.28	7.72	7.50	7.43	7.48	
27	7.80	8.59	7.81	8.41	8.47	8.41	8.16	8.26	7.71	7.50	7.43	7.48	
28	7.79	8.53	7.78	8.39	8.42	8.41	8.06	8.24	7.71	7.50	7.43	7.48	
29	7.76	8.47	7.70	8.40	8.42	8.37	8.04	8.14	7.71	7.50		7.48	
30	7.80	8.43	7.76	8.86	8.36	8.33	8.03	8.20	7.71	7.50		7.48	
31		8.41		8.52	8.32		8.01		7.71	7.50		7.48	
Mean	7.99	8.08	8.16	8.26	8.49	8.44	8.45	8.18	7.91	7.58	7.45	7.63	
Max	8.10	8.87	8.84	9.01	8.97	8.68	9.32	8.41	8.49	7.71	7.50	7.87	9.32
Min	7.76	7.74	7.70	7.67	8.26	8.31	8.01	7.93	7.71	7.50	7.43	7.44	7.43
Annual Max Momentary Gage Height	10.00		m. (MSL.) ,				at 02.00 Hours , on Jul 30, 2021						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	7.08	m. (MSL.)					
Left Bank Elevation		14.25	m. (MSL.) ,										
Right Bank Elevation		14.20	m. (MSL.) ,			Drainage Are	40	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.40	1.25	5.84	1.10	8.85	7.38	7.38	3.10	6.40	1.05	0.30	0.12		
2	3.50	1.30	4.20	0.96	11.24	11.72	6.68	2.91	9.15	1.05	0.18	0.39		
3	3.50	1.20	4.00	0.92	11.96	8.25	6.12	2.82	8.10	1.05	0.18	0.54		
4	3.60	1.20	4.20	0.96	16.28	7.52	5.84	3.20	6.68	1.05	0.18	0.72		
5	3.50	1.20	4.60	0.88	20.30	6.96	5.14	2.73	6.26	1.05	0.18	0.76		
6	3.50	1.20	4.40	1.20	15.32	6.54	13.64	2.82	5.98	1.05	0.18	0.76		
7	3.70	1.20	5.98	1.80	17.24	6.54	11.24	2.55	4.90	1.00	0.18	0.80		
8	3.80	1.20	8.10	4.90	11.96	9.47	33.98	2.37	2.73	0.76	0.15	0.88		
9	3.70	1.20	8.70	8.10	9.30	12.44	28.10	2.46	2.19	0.48	0.12	0.92		
10	3.50	1.20	16.76	21.53	7.95	12.92	13.88	2.46	2.04	0.48	0.12	0.92		
11	3.50	1.20	11.96	11.96	8.85	10.32	20.90	2.55	1.98	0.48	0.12	0.92		
12	3.50	1.20	10.49	9.00	8.55	8.70	20.30	6.26	1.86	0.48	0.12	0.92		
13	3.50	1.20	7.52	7.52	8.85	7.80	12.68	7.80	1.68	0.48	0.12	0.92		
14	3.50	1.20	6.68	6.54	8.40	8.25	14.12	7.38	1.68	0.48	0.12	0.96		
15	3.40	1.20	5.98	6.40	9.00	8.10	12.44	7.52	1.56	0.48	0.12	1.00		
16	3.40	1.20	5.42	5.98	8.10	7.95	9.30	7.95	1.50	0.48	0.12	1.00		
17	3.50	1.62	5.00	5.42	7.38	7.38	8.10	6.68	1.45	0.48	0.12	1.00		
18	3.50	2.28	4.80	5.14	6.96	6.96	7.24	7.38	1.40	0.48	0.12	1.00		
19	3.80	3.30	4.60	5.00	6.68	6.68	6.54	6.82	1.35	0.48	0.12	1.05		
20	4.00	8.25	4.80	5.42	6.54	8.70	5.98	6.40	1.30	0.48	0.12	1.56		
21	2.82	13.88	4.80	14.60	6.26	9.64	5.56	6.12	1.25	0.48	0.12	1.92		
22	2.28	15.56	3.80	7.66	6.12	12.20	5.14	5.84	1.25	0.48	0.12	1.86		
23	2.04	8.40	1.86	6.82	5.84	9.47	9.30	6.40	1.20	0.48	0.12	1.05		
24	1.86	7.80	1.92	6.40	7.52	8.40	8.25	6.12	1.20	0.48	0.12	0.30		
25	2.19	17.48	1.74	8.10	9.98	8.70	6.12	7.24	1.15	0.48	0.09	0.30		
26	1.74	14.12	1.68	9.30	10.15	8.55	5.42	6.12	1.10	0.30	0.09	0.24		
27	1.50	10.83	1.56	7.95	8.85	7.95	4.60	5.84	1.05	0.30	0.09	0.24		
28	1.45	9.81	1.40	7.66	8.10	7.95	3.60	5.56	1.05	0.30	0.09	0.24		
29	1.30	8.85	1.00	7.80	8.10	7.38	3.40	4.40	1.05	0.30		0.24		
30	1.50	8.25	1.30	17.24	7.24	6.82	3.30	5.00	1.05	0.30		0.24		
31		7.95		9.64	6.68		3.10		1.05	0.30		0.24		
Total	89.98	157.73	155.09	213.90	294.55	257.64	307.39	152.80	82.59	18.02	3.81	24.01	1757.51	CMSDAY
Mean	3.00	5.09	5.17	6.90	9.50	8.59	9.92	5.09	2.66	0.58	0.14	0.77	4.82	CMS
Max	4.00	17.48	16.76	21.53	20.30	12.92	33.98	7.95	9.15	1.05	0.30	1.92	33.98	CMS
Min	1.30	1.20	1.00	0.88	5.84	6.54	3.10	2.37	1.05	0.30	0.09	0.12	0.09	CMS
Runoff	7.77	13.63	13.40	18.48	25.45	22.26	26.56	13.20	7.14	1.56	0.33	2.07	151.85	MCM
Momentary Peak	88.00	CMS. at 10.00 m. (MSL.) at 02.00 Hours , on Jul 30, 2021												
Runoff Yield	120.38	Liters/Second/Square KM.				Momentary Peak Yield		2200.00	Liters/Second/Square KM.					

WATER YEAR : 2021

PENINSULA - WEST COAST

Trang River at Ban Klang , Trang (X.228)

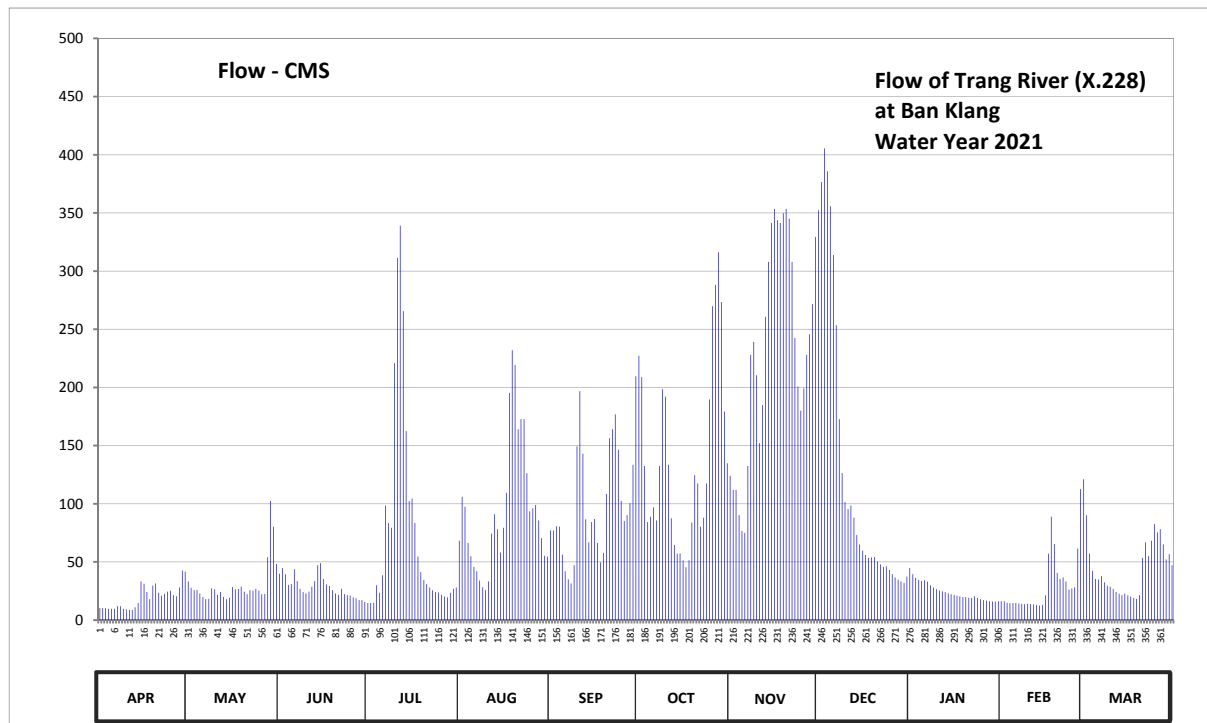
Lat 07 - 38 - 43 N Long 99 - 31 - 57 E

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	Near the gage site.	Elevation	+11.741 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 15 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.01	2.91	3.11	2.19	3.87	4.07	6.39	5.00	7.66	3.25	2.25	4.95	
2	2.01	2.71	3.25	2.19	4.68	4.07	6.16	4.80	7.85	3.10	2.25	4.36	
3	2.01	2.63	3.10	2.20	4.51	4.15	5.14	4.80	8.06	3.01	2.20	3.61	
4	1.99	2.64	2.81	2.80	3.83	4.14	4.23	4.36	7.92	2.95	2.18	3.18	
5	1.99	2.52	2.83	2.54	3.54	3.58	4.33	4.06	7.69	2.92	2.19	2.98	
6	1.99	2.39	3.22	3.07	3.28	3.17	4.50	4.02	7.34	2.94	2.19	2.96	
7	2.08	2.32	2.92	4.53	3.17	2.97	4.26	5.14	6.72	2.90	2.17	3.05	
8	2.08	2.33	2.67	4.21	2.93	2.85	5.14	6.40	5.71	2.80	2.16	2.88	
9	1.98	2.69	2.56	4.12	2.73	3.32	6.03	6.54	5.04	2.72	2.15	2.78	
10	1.96	2.66	2.52	6.31	2.63	5.39	5.95	6.18	4.59	2.66	2.16	2.75	
11	1.94	2.47	2.58	7.32	2.91	6.01	5.16	5.43	4.47	2.62	2.15	2.67	
12	1.93	2.57	2.75	7.55	4.01	5.30	4.30	5.86	4.53	2.59	2.14	2.57	
13	2.04	2.40	2.92	6.87	4.38	4.28	3.79	6.81	4.31	2.56	2.12	2.51	
14	2.19	2.32	3.32	5.58	4.09	3.84	3.60	7.29	3.98	2.52	2.10	2.46	
15	2.91	2.37	3.37	4.61	3.63	4.23	3.61	7.57	3.80	2.49	2.12	2.51	
16	2.84	2.74	2.98	4.65	4.12	4.29	3.44	7.67	3.67	2.47	2.45	2.45	
17	2.57	2.66	2.82	4.21	4.75	3.83	3.27	7.59	3.57	2.44	3.60	2.41	
18	2.32	2.67	2.77	3.53	5.99	3.39	3.44	7.57	3.50	2.42	4.33	2.36	
19	2.79	2.75	2.63	3.15	6.45	3.62	4.22	7.64	3.51	2.39	3.81	2.33	
20	2.85	2.58	2.52	2.95	6.29	4.73	5.01	7.67	3.52	2.39	3.13	2.46	
21	2.54	2.49	2.47	2.83	5.60	5.49	4.89	7.60	3.41	2.37	2.98	3.50	
22	2.44	2.63	2.68	2.72	5.71	5.60	4.14	7.29	3.34	2.36	3.02	3.84	
23	2.50	2.62	2.49	2.63	5.71	5.76	4.31	6.58	3.28	2.42	2.91	3.54	
24	2.58	2.68	2.46	2.57	5.04	5.35	4.89	6.06	3.29	2.36	2.65	3.87	
25	2.61	2.62	2.44	2.55	4.43	4.61	5.92	5.80	3.20	2.32	2.69	4.19	
26	2.46	2.49	2.38	2.47	4.48	4.25	6.92	6.04	3.10	2.29	2.73	4.03	
27	2.42	2.50	2.35	2.41	4.54	4.36	7.11	6.40	3.02	2.27	3.71	4.09	
28	2.72	3.52	2.29	2.38	4.26	4.57	7.36	6.62	2.96	2.25	4.81	3.80	
29	3.19	4.61	2.29	2.54	3.92	5.16	6.96	6.94	2.91	2.24		3.46	
30	3.16	4.14	2.22	2.68	3.55	6.17	5.79	7.47	2.87	2.23		3.59	
31		3.35		2.72	3.53		5.18		3.04	2.25		3.32	
Mean	2.37	2.74	2.72	3.65	4.28	4.42	5.01	6.31	4.58	2.56	2.69	3.21	
Max	3.19	4.61	3.37	7.55	6.45	6.17	7.36	7.67	8.06	3.25	4.81	4.95	8.06
Min	1.93	2.32	2.22	2.19	2.63	2.85	3.27	4.02	2.87	2.23	2.10	2.33	1.93
Annual Max Momentary Gage Height	8.10		m. (MSL.) ,				at 14.00 Hours , on Dec 3, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,				River Bed -0.19	m. (MSL.)					
Left Bank Elevation		9.00	m. (MSL.) ,										
Right Bank Elevation		7.04	m. (MSL.) ,				Drainage Are	2,692	Square Kilometers				



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	10.25	33.30	39.85	14.75	68.15	77.15	227.20	124.00	352.20	44.75	16.25	121.00		
2	10.25	27.75	44.75	14.75	106.00	77.15	208.80	112.00	376.50	39.50	16.25	90.20		
3	10.25	25.75	39.50	15.00	97.50	80.75	132.40	112.00	405.40	36.35	15.00	57.40		
4	9.80	26.00	30.30	30.00	66.35	80.30	84.35	90.20	385.80	34.50	14.50	42.30		
5	9.80	23.00	30.90	23.50	54.90	56.30	88.85	76.70	355.80	33.60	14.75	35.40		
6	9.80	19.75	43.70	38.45	45.80	41.95	97.00	74.90	313.80	34.20	14.75	34.80		
7	12.00	18.00	33.60	98.50	41.95	35.10	85.70	132.40	253.60	33.00	14.25	37.75		
8	12.00	18.25	26.75	83.45	33.90	31.50	132.40	228.00	172.80	30.00	14.00	32.40		
9	9.60	27.25	24.00	79.40	28.25	47.20	198.40	239.20	126.40	28.00	13.75	29.50		
10	9.20	26.50	23.00	220.80	25.75	149.30	192.00	210.40	101.50	26.50	14.00	28.75		
11	8.80	21.75	24.50	311.40	33.30	196.80	133.60	152.10	95.50	25.50	13.75	26.75		
12	8.60	24.25	28.75	339.00	74.45	143.00	87.50	184.80	98.50	24.75	13.50	24.25		
13	11.00	20.00	33.60	265.60	91.10	86.60	64.60	260.80	87.95	24.00	13.00	22.75		
14	14.75	18.00	47.20	162.60	78.05	66.80	57.00	307.90	73.10	23.00	12.50	21.50		
15	33.30	19.25	48.95	102.50	58.20	84.35	57.40	341.40	65.00	22.25	13.00	22.75		
16	31.20	28.50	35.40	104.50	79.40	87.05	51.40	353.40	59.80	21.75	21.25	21.25		
17	24.25	26.50	30.60	83.45	109.50	66.35	45.45	343.80	55.95	21.00	57.00	20.25		
18	18.00	26.75	29.25	54.55	195.20	49.65	51.40	341.40	53.50	20.50	88.85	19.00		
19	29.75	28.75	25.75	41.25	232.00	57.80	83.90	349.80	53.85	19.75	65.45	18.25		
20	31.50	24.50	23.00	34.50	219.20	108.50	124.60	353.40	54.20	19.75	40.55	21.50		
21	23.50	22.25	21.75	30.90	164.00	156.30	117.40	345.00	50.35	19.25	35.40	53.50		
22	21.00	25.75	27.00	28.00	172.80	164.00	80.30	307.90	47.90	19.00	36.70	66.80		
23	22.50	25.50	22.25	25.75	172.80	176.80	87.95	242.40	45.80	20.50	33.30	54.90		
24	24.50	27.00	21.50	24.25	126.40	146.50	117.40	200.80	46.15	19.00	26.25	68.15		
25	25.25	25.50	21.00	23.75	93.50	102.50	189.60	180.00	43.00	18.00	27.25	82.55		
26	21.50	22.25	19.50	21.75	96.00	85.25	269.80	199.20	39.50	17.25	28.25	75.35		
27	20.50	22.50	18.75	20.25	99.00	90.20	288.10	228.00	36.70	16.75	61.40	78.05		
28	28.00	54.20	17.25	19.50	85.70	100.50	316.20	245.60	34.80	16.25	112.60	65.00		
29	42.65	102.50	17.25	23.50	70.40	133.60	273.40	271.60	33.30	16.00		52.10		
30	41.60	80.30	15.50	27.00	55.25	209.60	179.20	329.40	32.10	15.75		56.65		
31		48.25		28.00	54.55		134.80		37.40	16.25		47.20		
Total	585.10	939.80	865.10	2390.60	2929.35	2988.85	4258.10	6938.50	3988.15	756.65	847.50	1428.00	28915.70	CMSDAY
Mean	19.50	30.32	28.84	77.12	94.50	99.63	137.36	231.28	128.65	24.41	30.27	46.06	79.22	CMS
Max	42.65	102.50	48.95	339.00	232.00	209.60	316.20	353.40	405.40	44.75	112.60	121.00	405.40	CMS
Min	8.60	18.00	15.50	14.75	25.75	31.50	45.45	74.90	32.10	15.75	12.50	18.25	8.60	CMS
Runoff	50.55	81.20	74.74	206.55	253.10	258.24	367.90	599.49	344.58	65.37	73.22	123.38	2498.32	MCM
Momentary Peak	411.00	CMS. at 8.10 m. (MSL.) at 14.00 Hours , on Dec 3, 2021												
Runoff Yield	29.43	Liters/Second/Square KM.			Momentary Peak Yield			152.67	Liters/Second/Square KM.					

WATER YEAR : 2021

PENINSULA - WEST COAST

Lower Trang River at Ban Sai Han , Trang (X.233)

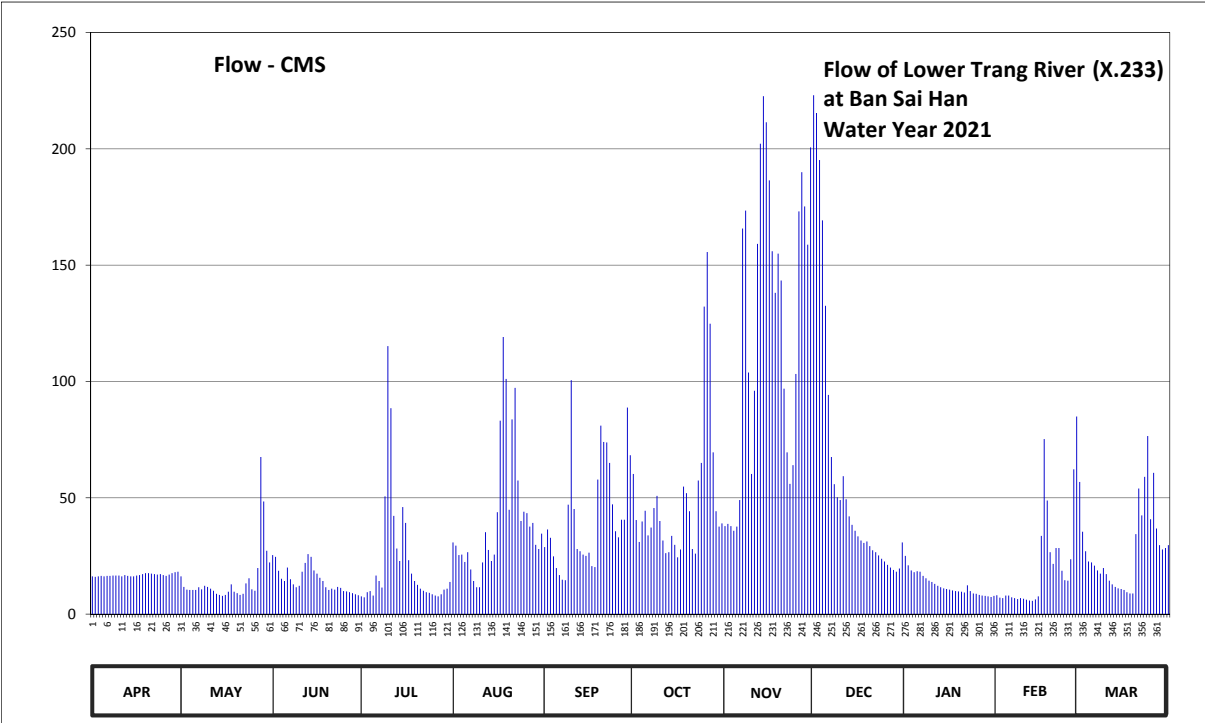
Lat 07 - 54 - 27 N Long 99 - 32 - 33 E

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	+21.000 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	Overbank flow starts at elevation + 21.140 m.(MSL.), records are channel flow only.					
General Description	Records good. Stage-discharge relation defined by 15 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	14.01	14.01	14.47	13.51	14.74	14.64	16.19	15.09	21.20	14.45	13.54	16.04	
2	14.00	13.78	14.43	13.48	14.67	15.02	15.22	15.14	21.01	14.25	13.47	14.97	
3	14.01	13.70	14.13	13.63	14.47	14.84	14.75	15.09	20.49	14.14	13.46	14.55	
4	14.02	13.69	13.96	13.66	14.48	14.44	15.19	14.99	19.75	14.10	13.53	14.33	
5	14.01	13.69	13.91	13.53	14.32	14.19	15.42	15.08	18.70	14.12	13.53	14.31	
6	14.02	13.69	14.20	14.03	14.53	14.04	14.89	15.65	17.44	14.11	13.48	14.24	
7	14.02	13.77	13.95	13.91	14.16	13.94	15.06	19.65	16.48	14.02	13.46	14.14	
8	14.03	13.71	13.84	13.76	13.91	13.93	15.48	19.87	15.99	13.97	13.43	14.07	
9	14.03	13.81	13.77	15.73	13.77	15.55	15.74	17.76	15.71	13.92	13.46	14.19	
10	14.03	13.78	13.81	18.14	13.77	17.65	15.20	16.19	15.65	13.89	13.44	14.06	
11	14.01	13.73	14.11	17.25	14.31	15.46	14.78	17.50	16.15	13.85	13.41	13.92	
12	14.04	13.67	14.30	15.31	14.96	14.60	14.51	19.46	15.67	13.81	13.39	13.84	
13	14.02	13.58	14.49	14.61	14.58	14.55	14.53	20.68	15.30	13.77	13.38	13.78	
14	14.01	13.55	14.43	14.34	14.34	14.48	14.88	21.19	15.12	13.74	13.42	13.74	
15	14.01	13.52	14.14	15.50	14.48	14.45	14.69	20.91	14.99	13.72	13.51	13.72	
16	14.03	13.55	14.07	15.16	15.39	14.52	14.42	20.24	14.87	13.70	14.88	13.69	
17	14.04	13.64	13.98	14.36	17.07	14.23	14.59	19.37	14.78	13.68	16.79	13.63	
18	14.06	13.84	13.91	14.07	18.27	14.21	15.94	18.86	14.73	13.66	15.64	13.59	
19	14.08	13.64	13.77	13.91	17.67	16.09	15.80	19.34	14.76	13.65	14.53	13.59	
20	14.08	13.60	13.69	13.83	15.44	17.00	15.41	19.01	14.66	13.64	14.28	14.92	
21	14.07	13.55	13.73	13.73	17.09	16.74	14.60	17.53	14.57	13.62	14.62	15.90	
22	14.06	13.58	13.70	13.67	17.54	16.73	14.50	16.56	14.53	13.82	14.62	15.32	
23	14.05	13.86	13.78	13.63	16.07	16.38	16.07	16.00	14.46	13.66	14.13	16.14	
24	14.06	13.97	13.75	13.61	15.20	15.56	16.38	16.34	14.39	13.59	13.93	16.84	
25	14.04	13.71	13.66	13.57	15.40	14.98	18.69	17.74	14.33	13.58	13.92	15.24	
26	14.02	13.67	13.65	13.53	15.37	14.85	19.36	19.86	14.26	13.55	14.38	16.21	
27	14.05	14.19	13.63	13.51	15.08	15.23	18.46	20.34	14.20	13.53	16.27	15.04	
28	14.08	16.48	13.60	13.57	15.16	15.23	16.56	19.92	14.15	13.52	17.13	14.68	
29	14.10	15.62	13.57	13.70	14.69	17.26	15.41	19.45	14.11	13.51		14.59	
30	14.11	14.56	13.54	13.73	14.60	16.51	15.08	20.64	14.18	13.49		14.62	
31		14.31		13.89	14.93		15.15		14.74	13.52		14.68	
Mean	14.04	13.92	13.93	14.25	15.18	15.24	15.58	18.18	15.85	13.79	14.18	14.60	
Max	14.11	16.48	14.49	18.14	18.27	17.65	19.36	21.19	21.20	14.45	17.13	16.84	21.20
Min	14.00	13.52	13.54	13.48	13.77	13.93	14.42	14.99	14.11	13.49	13.38	13.59	13.38
Annual Max Momentary Gage Height	21.24		m. (MSL.) ,			at 08.00 Hours ,	on Dec 1, 2021						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	12.21	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	16.20	16.20	25.40	7.65	30.80	28.80	60.25	37.80	223.00	25.00	8.10	56.80	
2	16.00	11.70	24.60	7.20	29.40	36.40	40.40	38.80	215.40	21.00	7.05	35.40	
3	16.20	10.50	18.60	9.45	25.40	32.80	31.00	37.80	195.15	18.80	6.90	27.00	
4	16.40	10.35	15.20	9.90	25.60	24.80	39.80	35.80	169.25	18.00	7.95	22.60	
5	16.20	10.35	14.20	7.95	22.40	19.80	44.40	37.60	132.50	18.40	7.95	22.20	
6	16.40	10.35	20.00	16.60	26.60	16.80	33.80	49.00	94.20	18.20	7.20	20.80	
7	16.40	11.55	15.00	14.20	19.20	14.80	37.20	165.75	67.50	16.40	6.90	18.80	
8	16.60	10.65	12.80	11.40	14.20	14.60	45.60	173.45	55.80	15.40	6.45	17.40	
9	16.60	12.20	11.55	50.60	11.55	47.00	50.80	103.80	50.20	14.40	6.90	19.80	
10	16.60	11.70	12.20	115.20	11.55	100.50	40.00	60.25	49.00	13.80	6.60	17.20	
11	16.20	10.95	18.20	88.50	22.20	45.20	31.60	96.00	59.25	13.00	6.15	14.40	
12	16.80	10.05	22.00	42.20	35.20	28.00	26.20	159.10	49.40	12.20	5.85	12.80	
13	16.40	8.70	25.80	28.20	27.60	27.00	26.60	202.20	42.00	11.55	5.70	11.70	
14	16.20	8.25	24.60	22.80	22.80	25.60	33.60	222.60	38.40	11.10	6.30	11.10	
15	16.20	7.80	18.80	46.00	25.60	25.00	29.80	211.40	35.80	10.80	7.65	10.80	
16	16.60	8.25	17.40	39.20	43.80	26.40	24.40	186.40	33.40	10.50	33.60	10.35	
17	16.80	9.60	15.60	23.20	83.10	20.60	27.80	155.95	31.60	10.20	75.25	9.45	
18	17.20	12.80	14.20	17.40	119.10	20.20	54.80	138.10	30.60	9.90	48.80	8.85	
19	17.60	9.60	11.55	14.20	101.10	57.80	52.00	154.90	31.20	9.75	26.60	8.85	
20	17.60	9.00	10.35	12.60	44.80	81.00	44.20	143.35	29.20	9.60	21.60	34.40	
21	17.40	8.25	10.95	10.95	83.70	74.00	28.00	96.90	27.40	9.30	28.40	54.00	
22	17.20	8.70	10.50	10.05	97.20	73.75	26.00	69.50	26.60	12.40	28.40	42.40	
23	17.00	13.20	11.70	9.45	57.40	65.00	57.40	56.00	25.20	9.90	18.60	59.00	
24	17.20	15.40	11.25	9.15	40.00	47.20	65.00	64.00	23.80	8.85	14.60	76.50	
25	16.80	10.65	9.90	8.55	44.00	35.60	132.15	103.20	22.60	8.70	14.40	40.80	
26	16.40	10.05	9.75	7.95	43.40	33.00	155.60	173.10	21.20	8.25	23.60	60.75	
27	17.00	19.80	9.45	7.65	37.60	40.60	124.80	189.90	20.00	7.95	62.25	36.80	
28	17.60	67.50	9.00	8.55	39.20	40.60	69.50	175.20	19.00	7.80	84.90	29.60	
29	18.00	48.40	8.55	10.50	29.80	88.80	44.20	158.75	18.20	7.65		27.80	
30	18.20	27.20	8.10	10.95	28.00	68.25	37.60	200.60	19.60	7.35		28.40	
31		22.20		13.80	34.60		39.00		30.80	7.80		29.60	
Total	504.00	461.90	447.20	692.00	1276.90	1259.90	1553.50	3697.20	1887.25	383.95	584.65	876.35	13624.80
Mean	16.80	14.90	14.91	22.32	41.19	42.00	50.11	123.24	60.88	12.39	20.88	28.27	37.33
Max	18.20	67.50	25.80	115.20	119.10	100.50	155.60	222.60	223.00	25.00	84.90	76.50	223.00
Min	16.00	7.80	8.10	7.20	11.55	14.60	24.40	35.80	18.20	7.35	5.70	8.85	5.70
Runoff	43.55	39.91	38.64	59.79	110.32	108.86	134.22	319.44	163.06	33.17	50.51	75.72	1177.18
Momentary Peak CMS. at 21.24 m. (MSL.) at 08:00 Hours , on Dec 1, 2021													
Runoff Yield	39.71	Liters/Second/Square KM.			Momentary Peak Yield			238.94	Liters/Second/Square KM.				

WATER YEAR : 2021

PENINSULA - WEST COAST

Lower Trang River at Ban Pa Mak , Trang (X.234)

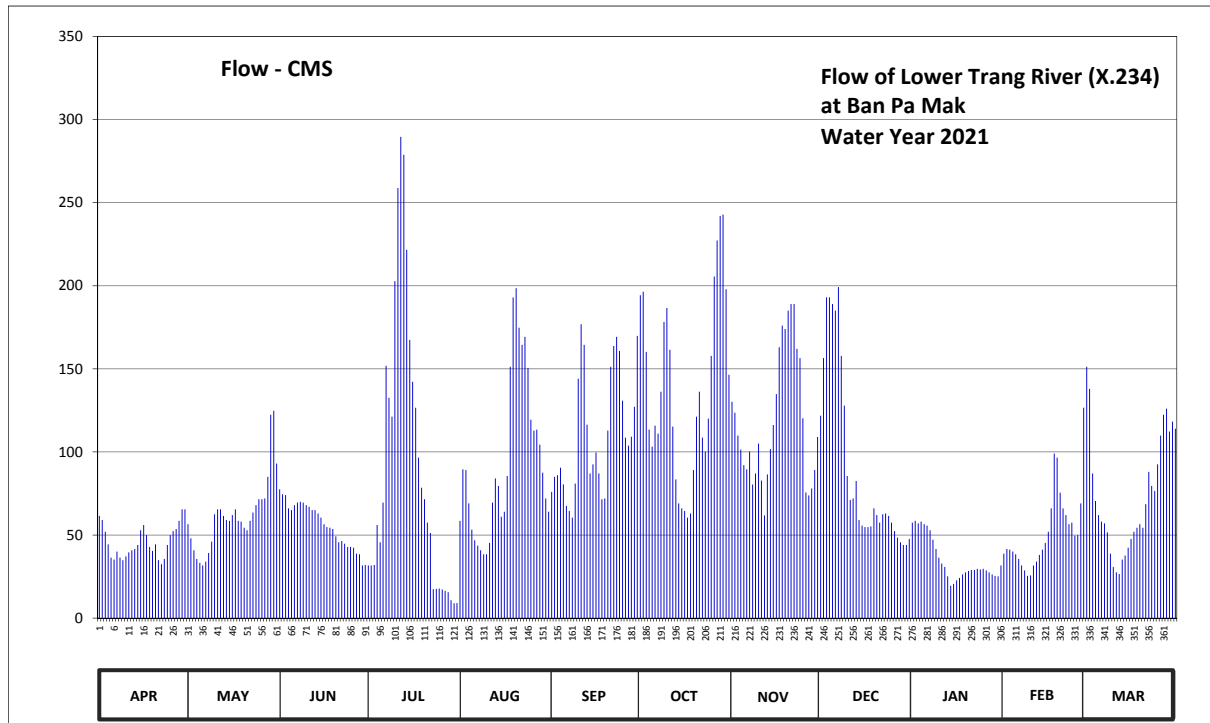
Lat 07 - 35 - 20 N Long 99 - 34 - 37 E

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	+11.741 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	No overbank flow.		
General Description	Records good. Stage-discharge relation defined by 13 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.31	1.21	1.63	0.59	1.25	1.60	3.59	2.57	3.16	1.23	0.77	2.92	
2	1.26	1.00	1.57	0.59	1.87	1.78	3.62	2.46	3.56	1.25	0.84	2.70	
3	1.10	0.82	1.56	0.60	1.86	1.80	3.07	2.23	3.93	1.22	0.83	1.82	
4	0.91	0.69	1.40	1.20	1.46	1.89	2.29	2.09	3.93	1.24	0.80	1.49	
5	0.71	0.63	1.38	0.94	1.13	1.69	2.12	1.92	3.89	1.21	0.76	1.32	
6	0.68	0.59	1.44	1.47	0.97	1.43	2.33	1.87	3.85	1.19	0.69	1.24	
7	0.80	0.65	1.47	2.93	0.89	1.37	2.25	2.07	3.66	1.12	0.59	1.22	
8	0.71	0.78	1.48	2.61	0.82	1.29	2.67	2.59	3.03	0.98	0.49	1.09	
9	0.67	0.95	1.47	2.42	0.76	1.70	3.36	2.70	2.53	0.84	0.38	0.77	
10	0.73	1.33	1.44	3.71	0.76	2.80	3.48	2.95	1.79	0.71	0.39	0.56	
11	0.79	1.39	1.42	4.46	0.93	3.34	3.09	2.63	1.50	0.62	0.59	0.45	
12	0.82	1.39	1.38	4.84	1.47	3.14	2.32	2.28	1.52	0.56	0.65	0.42	
13	0.84	1.31	1.38	4.71	1.76	2.34	1.75	2.69	1.73	0.37	0.75	0.68	
14	0.90	1.26	1.34	3.98	1.67	1.82	1.46	2.91	1.26	0.18	0.83	0.74	
15	1.12	1.25	1.29	3.19	1.30	1.93	1.40	3.09	1.19	0.22	0.93	0.86	
16	1.20	1.32	1.21	2.77	1.36	2.06	1.37	3.32	1.17	0.29	1.10	0.99	
17	1.05	1.39	1.17	2.51	1.79	1.82	1.29	3.63	1.17	0.34	1.40	1.10	
18	0.87	1.25	1.16	2.01	2.92	1.51	1.34	3.76	1.18	0.41	2.05	1.16	
19	0.81	1.24	1.14	1.65	3.57	1.52	1.86	3.74	1.40	0.45	2.01	1.21	
20	0.91	1.16	1.03	1.51	3.65	2.28	2.42	3.85	1.32	0.48	1.59	1.16	
21	0.67	1.12	0.94	1.23	3.31	2.92	2.67	3.89	1.23	0.50	1.40	1.45	
22	0.61	1.25	0.96	1.08	3.14	3.13	2.21	3.89	1.33	0.50	1.32	1.84	
23	0.69	1.35	0.92	1.07	3.22	3.22	2.07	3.62	1.34	0.52	1.21	1.67	
24	0.90	1.44	0.87	1.08	2.91	3.08	2.40	3.56	1.31	0.51	1.23	1.61	
25	1.05	1.51	0.87	1.09	2.39	2.58	3.03	3.14	1.23	0.52	1.04	1.93	
26	1.11	1.51	0.86	1.06	2.28	2.21	3.75	2.51	1.11	0.49	1.05	2.23	
27	1.14	1.52	0.77	1.02	2.29	2.13	4.06	2.48	1.01	0.45	1.46	2.44	
28	1.25	1.78	0.76	0.98	2.14	2.22	4.25	2.55	0.94	0.41	2.51	2.50	
29	1.39	2.44	0.59	0.74	1.83	2.52	4.26	2.73	0.90	0.38		2.27	
30	1.39	2.48	0.60	0.59	1.52	3.23	3.64	3.00	0.90	0.37		2.37	
31		1.94		0.60	1.36		2.84		0.99	0.59		2.30	
Mean	0.95	1.29	1.18	1.91	1.89	2.21	2.65	2.89	1.91	0.65	1.06	1.50	
Max	1.39	2.48	1.63	4.84	3.65	3.34	4.26	3.89	3.93	1.25	2.51	2.92	4.84
Min	0.61	0.59	0.59	0.59	0.76	1.29	1.29	1.87	0.90	0.18	0.38	0.42	0.18
Annual Max Momentary Gage Height	4.90		m. (MSL.) ,			at 18.00 Hours , on Jul 12, 2021							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed -1.20	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	61.50	56.50	77.50	31.70	58.50	76.00	194.30	130.20	121.80	57.50	38.80	151.20		
2	59.00	48.00	74.50	31.70	89.50	85.00	196.40	123.60	156.40	58.50	41.60	138.00		
3	52.00	40.80	74.00	32.00	89.00	86.00	160.20	109.80	193.00	57.00	41.20	87.00		
4	44.40	35.60	66.00	56.00	69.00	90.50	113.40	101.40	193.00	58.00	40.00	70.50		
5	36.40	33.20	65.00	45.60	53.20	80.50	103.20	92.00	189.00	56.50	38.40	62.00		
6	35.20	31.70	68.00	69.50	46.80	67.50	115.80	89.50	185.00	55.60	35.60	58.00		
7	40.00	34.00	69.50	151.80	43.60	64.50	111.00	100.20	199.20	52.80	31.70	57.00		
8	36.40	39.20	70.00	132.60	40.80	60.50	136.20	80.40	157.80	47.20	28.70	51.60		
9	34.80	46.00	69.50	121.20	38.40	81.00	178.20	87.00	127.80	41.60	25.40	38.80		
10	37.20	62.50	68.00	202.70	38.40	144.00	186.60	105.00	85.50	36.40	25.70	30.80		
11	39.60	65.50	67.00	258.80	45.20	176.80	161.40	82.80	71.00	32.80	31.70	27.50		
12	40.80	65.50	65.00	289.60	69.50	164.40	115.20	61.80	72.00	30.80	34.00	26.60		
13	41.60	61.50	65.00	278.80	84.00	116.40	83.50	86.40	82.50	25.10	38.00	35.20		
14	44.00	59.00	63.00	221.60	79.50	87.00	69.00	101.80	59.00	19.40	41.20	37.60		
15	52.80	58.50	60.50	167.40	61.00	92.50	66.00	116.20	55.60	20.60	45.20	42.40		
16	56.00	62.00	56.50	142.20	64.00	99.60	64.50	134.80	54.80	22.70	52.00	47.60		
17	50.00	65.50	54.80	126.60	85.50	87.00	60.50	163.00	54.80	24.20	66.00	52.00		
18	42.80	58.50	54.40	96.60	151.20	71.50	63.00	176.00	55.20	26.30	99.00	54.40		
19	40.40	58.00	53.60	78.50	192.90	72.00	89.00	174.00	66.00	27.50	96.60	56.50		
20	44.40	54.40	49.20	71.50	198.50	112.80	121.20	185.00	62.00	28.40	75.50	54.40		
21	34.80	52.80	45.60	57.50	174.70	151.20	136.20	189.00	57.50	29.00	66.00	68.50		
22	32.40	58.50	46.40	51.20	164.40	163.80	108.60	189.00	62.50	29.00	62.00	88.00		
23	35.60	63.50	44.80	17.40	169.20	169.20	100.20	162.00	63.00	29.60	56.50	79.50		
24	44.00	68.00	42.80	17.60	150.60	160.80	120.00	156.40	61.50	29.30	57.50	76.50		
25	50.00	71.50	42.80	17.80	119.40	130.80	157.80	120.20	57.50	29.60	49.60	92.50		
26	52.40	71.50	42.40	17.20	112.80	108.60	205.50	75.60	52.40	28.70	50.00	109.80		
27	53.60	72.00	38.80	16.40	113.40	103.80	227.20	73.80	48.40	27.50	69.00	122.40		
28	58.50	85.00	38.40	15.60	104.40	109.20	242.00	78.00	45.60	26.30	126.60	126.00		
29	65.50	122.40	31.70	10.80	87.50	127.20	242.80	89.10	44.00	25.40		112.20		
30	65.50	124.80	32.00	8.90	72.00	169.80	197.80	109.00	44.00	25.10		118.20		
31		93.00		9.00	64.00		146.40		47.60	31.70		114.00		
Total	1381.60	1918.90	1696.70	2845.80	2930.90	3309.90	4273.10	3543.00	2825.40	1090.10	1463.50	2286.70	29565.60	CMSDAY
Mean	46.05	61.90	56.56	91.80	94.55	110.33	137.84	118.10	91.14	35.16	52.27	73.76	81.00	CMS
Max	65.50	124.80	77.50	289.60	198.50	176.80	242.80	189.00	199.20	58.50	126.60	151.20	289.60	CMS
Min	32.40	31.70	31.70	8.90	38.40	60.50	60.50	61.80	44.00	19.40	25.40	26.60	8.90	CMS
Runoff	119.37	165.79	146.59	245.88	253.23	285.98	369.20	306.12	244.11	94.18	126.45	197.57	2554.47	MCM
Momentary Peak	295.00 CMS. at 4.90 m. (MSL.) at 18.00 Hours , on Jul 12, 2021													
Runoff Yield	28.91 Liters/Second/Square KM.				Momentary Peak Yield 105.28				Liters/Second/Square KM.					

WATER YEAR : 2021

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	+5.628 m. (MSL.)
Gage Reading Frequency	Recording		
Basis of Mean Daily Gage Height	Arithmetic means of 24 readings		
Period of Available Gage Records	2004 to date.		
Rating Operation			
Period of Rating	2004 to date.		
Rated by 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 fair. Stage-discharge relation defined by 15 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.69	0.75	0.81	0.83	2.52	0.84	1.54	1.43	1.47	0.96	0.43	1.00	
2	0.56	0.65	0.84	0.96	2.23	1.01	1.31	1.80	3.16	1.15	0.46	0.84	
3	0.41	0.46	0.71	0.84	1.90	1.10	1.26	1.65	2.83	1.20	0.51	0.82	
4	0.37	0.27	0.73	0.83	1.60	0.98	1.13	1.54	2.10	1.07	0.56	0.82	
5	0.27	0.23	0.68	0.86	1.37	0.92	1.28	1.51	1.76	0.95	0.45	0.82	
6	0.17	0.26	0.71	1.42	1.15	0.85	1.35	1.49	1.63	0.89	0.36	0.79	
7	0.25	0.36	0.83	1.92	0.96	0.90	1.55	1.93	1.52	0.79	0.28	0.77	
8	0.36	0.45	0.82	1.50	1.11	1.01	2.08	1.57	1.35	0.66	0.23	0.58	
9	0.41	0.50	0.73	1.64	1.05	1.46	1.76	1.42	1.20	0.55	0.16	0.53	
10	0.44	0.56	0.82	2.61	1.03	1.99	1.64	1.14	1.08	0.45	0.08	0.40	
11	0.47	0.58	1.14	2.16	1.45	1.51	1.41	1.09	1.02	0.37	0.05	0.28	
12	0.50	0.56	0.95	1.87	1.88	1.29	1.16	1.45	0.87	0.34	0.08	0.21	
13	0.53	0.73	0.94	1.54	1.57	1.14	0.96	1.63	0.80	0.40	0.13	0.22	
14	0.71	0.62	0.98	1.36	1.30	1.16	0.82	1.51	0.80	0.40	0.17	0.27	
15	0.69	0.56	0.88	1.51	1.23	1.61	0.73	1.35	0.78	0.41	0.39	0.60	
16	0.61	0.51	0.76	1.34	1.26	1.40	0.77	1.29	0.76	0.43	0.79	0.53	
17	0.55	0.53	0.69	1.10	1.15	1.19	0.80	1.38	0.76	0.45	0.66	0.58	
18	0.48	0.54	0.60	1.07	1.14	1.71	0.92	2.32	0.77	0.47	0.68	0.66	
19	0.52	0.76	0.62	0.94	1.34	1.66	1.20	3.11	0.73	0.51	0.64	0.70	
20	0.32	0.80	0.60	0.92	1.30	1.90	1.89	2.73	0.73	0.52	0.58	0.77	
21	0.18	0.94	1.14	0.89	1.33	1.92	1.62	2.66	0.70	0.53	0.65	0.86	
22	0.29	1.45	1.20	0.84	1.47	1.91	1.41	2.75	0.70	0.55	0.56	0.71	
23	0.45	1.21	1.05	0.82	1.22	2.10	1.36	2.21	0.73	0.50	0.40	0.61	
24	0.58	1.26	0.99	0.80	1.16	1.60	1.60	2.03	0.70	0.43	0.27	0.53	
25	0.65	1.09	0.93	0.84	1.16	1.52	1.90	1.72	0.62	0.36	0.31	0.40	
26	0.66	1.19	0.95	0.75	1.23	1.53	1.55	1.62	0.54	0.28	0.60	0.71	
27	0.76	1.19	0.90	0.77	1.08	1.87	1.29	1.42	0.48	0.22	1.98	0.62	
28	0.93	1.41	0.86	0.72	0.99	1.77	1.46	1.45	0.44	0.22	1.29	0.58	
29	0.90	1.23	0.99	0.65	0.86	1.92	1.16	1.63	0.42	0.24		0.72	
30	0.84	1.02	0.89	0.75	0.75	1.71	1.14	1.64	0.76	0.29		0.79	
31		0.96		0.97	1.05		1.67		0.97	0.37		1.02	
Mean	0.52	0.76	0.86	1.16	1.32	1.45	1.35	1.75	1.07	0.55	0.49	0.64	
Max	0.93	1.45	1.20	2.61	2.52	2.10	2.08	3.11	3.16	1.20	1.98	1.02	3.16
Min	0.17	0.23	0.60	0.65	0.75	0.84	0.73	1.09	0.42	0.22	0.05	0.21	0.05
Annual Max Momentary Gage Height	4.12		m. (MSL.) ,			at 17.00 Hours , on Dec 2, 2021							
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed -1.63	m. (MSL.)						
Left Bank Elevation	5.70		m. (MSL.) ,										
Right Bank Elevation	5.10		m. (MSL.) ,			Drainage Are 731	Square Kilometers						

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	22.70	24.50	7.20	7.60	81.80	27.20	25.20	44.90	46.10	30.80	14.90	32.00	
2	18.80	21.50	7.80	10.20	70.55	32.30	18.30	56.00	109.00	36.50	15.80	27.20	
3	14.30	15.80	6.10	7.80	59.00	35.00	16.80	51.50	94.20	38.00	17.30	26.60	
4	13.25	10.75	6.30	7.60	50.00	31.40	13.60	48.20	66.00	34.10	18.80	26.60	
5	10.75	9.75	5.80	8.20	43.10	29.60	40.40	47.30	54.80	30.50	15.50	26.60	
6	8.25	10.50	6.10	44.60	36.50	27.50	42.50	46.70	50.90	28.70	13.00	25.70	
7	10.25	13.00	7.60	59.70	30.80	29.00	48.50	60.05	47.60	25.70	11.00	25.10	
8	13.00	15.50	7.40	47.00	35.30	32.30	65.30	49.10	42.50	21.80	9.75	19.40	
9	14.30	17.00	6.30	51.20	33.50	45.80	54.80	44.60	38.00	18.50	8.00	17.90	
10	15.20	18.80	7.40	85.40	32.90	62.15	51.20	36.20	34.40	15.50	6.00	14.00	
11	16.10	19.40	13.80	68.10	45.50	47.30	44.30	34.70	32.60	13.25	5.25	11.00	
12	17.00	4.60	10.00	58.10	58.40	40.70	36.80	45.50	28.10	12.50	6.00	9.25	
13	17.90	6.30	9.80	48.20	49.10	36.20	30.80	50.90	26.00	14.00	7.25	9.50	
14	23.30	5.20	10.60	42.80	41.00	14.20	26.60	47.30	26.00	14.00	8.25	10.75	
15	22.70	4.60	8.60	47.30	38.90	27.30	23.90	42.50	25.40	14.30	13.75	20.00	
16	20.30	4.10	6.60	42.20	39.80	21.00	25.10	40.70	24.80	14.90	25.70	17.90	
17	18.50	4.30	5.90	35.00	36.50	14.80	26.00	43.40	24.80	15.50	21.80	19.40	
18	16.40	4.40	5.00	34.10	36.20	30.40	29.60	73.80	25.10	16.10	22.40	21.80	
19	17.60	6.60	5.20	30.20	42.20	28.80	38.00	106.50	23.90	17.30	21.20	23.00	
20	12.00	7.00	5.00	29.60	41.00	38.00	58.70	90.20	23.90	17.60	19.40	25.10	
21	8.50	9.80	13.80	28.70	41.90	38.80	50.60	87.40	23.00	17.90	21.50	27.80	
22	11.25	22.50	15.00	27.20	46.10	38.40	44.30	91.00	23.00	18.50	18.80	23.30	
23	15.50	15.30	12.00	26.60	38.60	46.00	42.80	69.85	23.90	17.00	14.00	20.30	
24	19.40	16.80	10.80	26.00	36.80	27.00	50.00	63.55	23.00	14.90	10.75	17.90	
25	21.50	12.80	9.60	27.20	36.80	24.60	59.00	53.60	20.60	13.00	11.75	14.00	
26	21.80	14.80	10.00	24.50	38.90	24.90	48.50	50.60	18.20	11.00	20.00	23.30	
27	24.80	14.80	9.00	25.10	34.40	36.80	40.70	44.60	16.40	9.50	61.80	20.60	
28	29.90	21.30	8.20	23.60	31.70	32.80	45.80	45.50	15.20	9.50	40.70	19.40	
29	29.00	15.90	10.80	21.50	27.80	38.80	36.80	50.90	14.60	10.00		23.60	
30	27.20	11.40	8.80	24.50	24.50	30.40	36.20	51.20	24.80	11.25		25.70	
31		10.20	</										

WATER YEAR : 2021

PENINSULA - WEST COAST

Khlong Chalung at Ban Chalung Nuea , Satun (X.239)

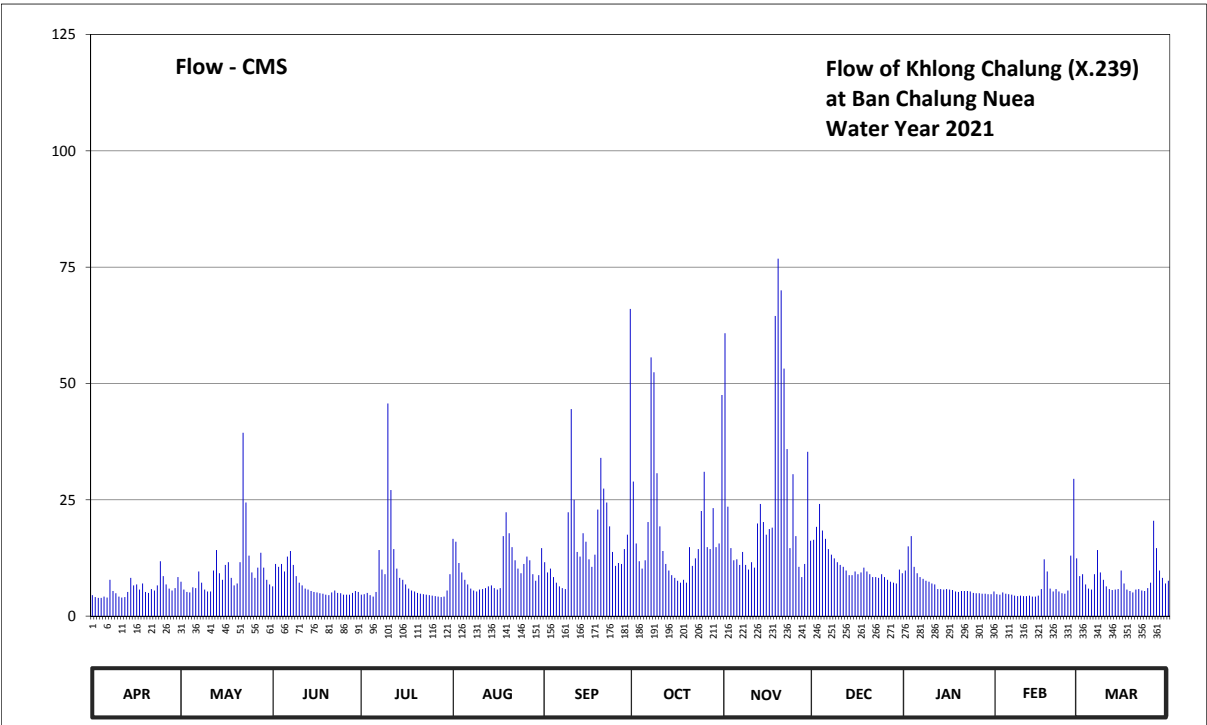
Lat 06 - 43 - 36 N Long 100 - 03 - 46 E

Location : on right bank at Ban Karakat.

	Ban Chalung Nuea	Amphoe Mueang	Changwat Satun
Drainage 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 of the bridge downstream.	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	Stable.		
Overbank Flow Conditions	Overbank flow start at elevation + 16.210 m.(MSL.), records are channel flow only.		
General Description	Records fair. Stage-discharge relation defined by 20 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	13.55	13.77	13.72	13.56	14.22	13.98	14.63	15.62	14.62	13.89	13.57	13.83	
2	13.51	13.67	13.96	13.57	14.20	13.87	14.18	14.45	14.76	14.15	13.56	13.85	
3	13.49	13.62	13.93	13.60	13.97	13.91	13.99	14.13	14.47	14.24	13.61	13.74	
4	13.49	13.61	13.96	13.55	13.87	13.82	13.91	14.00	14.28	13.93	13.58	13.69	
5	13.52	13.71	13.88	13.52	13.79	13.76	14.00	14.01	14.22	13.86	13.57	13.67	
6	13.50	13.70	14.04	13.62	13.74	13.72	14.34	13.95	14.12	13.82	13.56	13.85	
7	13.79	13.88	14.10	14.11	13.69	13.70	15.49	14.09	14.06	13.80	13.54	14.11	
8	13.64	13.76	13.95	13.90	13.65	13.68	15.41	13.95	14.02	13.78	13.53	13.87	
9	13.59	13.67	13.83	13.85	13.63	14.41	14.69	13.90	13.98	13.77	13.54	13.79	
10	13.52	13.63	13.76	15.19	13.67	15.15	14.31	13.98	13.95	13.75	13.53	13.72	
11	13.50	13.63	13.73	14.57	13.68	14.50	14.10	13.92	13.93	13.74	13.53	13.68	
12	13.51	13.89	13.69	14.12	13.70	14.09	13.96	14.33	13.89	13.68	13.54	13.66	
13	13.62	14.11	13.67	13.91	13.72	14.04	13.89	14.47	13.84	13.68	13.52	13.67	
14	13.81	13.86	13.64	13.81	13.73	14.26	13.84	14.34	13.84	13.67	13.52	13.68	
15	13.73	13.79	13.62	13.79	13.70	14.20	13.81	14.25	13.88	13.68	13.54	13.89	
16	13.74	13.95	13.61	13.74	13.67	14.01	13.78	14.29	13.85	13.67	13.68	13.75	
17	13.67	13.98	13.59	13.69	13.70	13.93	13.76	14.30	13.87	13.66	14.01	13.67	
18	13.75	13.81	13.58	13.65	14.24	14.06	13.79	16.05	13.92	13.63	13.88	13.64	
19	13.62	13.73	13.56	13.63	14.41	14.43	13.76	16.28	13.88	13.62	13.69	13.61	
20	13.60	13.75	13.55	13.60	14.26	14.80	14.14	16.16	13.85	13.64	13.63	13.67	
21	13.68	13.98	13.61	13.58	14.14	14.58	13.94	15.78	13.82	13.64	13.68	13.68	
22	13.65	14.98	13.65	13.57	14.00	14.48	14.02	15.33	13.82	13.64	13.63	13.65	
23	13.73	14.48	13.60	13.56	13.91	14.31	14.12	14.53	13.81	13.63	13.59	13.64	
24	13.99	14.05	13.59	13.55	13.86	14.09	14.42	15.15	13.85	13.60	13.58	13.70	
25	13.83	13.87	13.56	13.54	13.96	13.94	14.70	14.66	13.82	13.59	13.65	13.76	
26	13.74	13.81	13.56	13.53	14.04	13.97	14.14	14.33	13.79	13.59	14.05	14.35	
27	13.69	13.92	13.56	13.52	14.00	13.96	14.12	14.22	13.77	13.58	14.65	14.13	
28	13.65	14.08	13.60	13.51	13.85	14.12	14.44	14.36	13.76	13.58	14.02	13.89	
29	13.70	13.92	13.64	13.52	13.78	14.25	14.14	15.31	13.75	13.57		13.81	
30	13.82	13.79	13.62	13.65	13.84	15.75	14.18	14.61	13.90	13.57		13.75	
31		13.74		13.85	14.13		15.25		13.86	13.63		13.78	
Mean	13.65	13.88	13.71	13.75	13.90	14.19	14.23	14.63	13.97	13.72	13.68	13.78	
Max	13.99	14.98	14.10	15.19	14.41	15.75	15.49	16.28	14.76	14.24	14.65	14.35	16.28
Min	13.49	13.61	13.55	13.51	13.63	13.68	13.76	13.90	13.75	13.57	13.52	13.61	13.49
Annual Max Momentary Gage Height	16.34		m. (MSL.) ,			at 23.00 Hours ,	on Nov 18, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	-0.83	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, 2021 to March 31, 2022													
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.50	7.40	6.40	4.60	16.60	11.60	28.90	60.80	16.40	9.80	4.70	8.60	
2	4.10	5.70	11.20	4.70	16.00	9.40	15.60	23.50	19.20	15.00	4.60	9.00	
3	3.90	5.20	10.60	5.00	11.40	10.20	11.80	14.60	24.10	17.20	5.10	6.80	
4	3.90	5.10	11.20	4.50	9.40	8.40	10.20	12.00	18.40	10.60	4.80	5.90	
5	4.20	6.20	9.60	4.20	7.80	7.20	12.00	12.20	16.60	9.20	4.70	5.70	
6	4.00	6.00	12.80	5.20	6.80	6.40	20.20	11.00	14.40	8.40	4.60	9.00	
7	7.80	9.60	14.00	14.20	5.90	6.00	55.60	13.80	13.20	8.00	4.40	14.20	
8	5.40	7.20	11.00	10.00	5.50	5.80	52.40	11.00	12.40	7.60	4.30	9.40	
9	4.90	5.70	8.60	9.00	5.30	22.30	30.70	10.00	11.60	7.40	4.40	7.80	
10	4.20	5.30	7.20	45.70	5.70	44.50	19.30	11.60	11.00	7.00	4.30	6.40	
11	4.00	5.30	6.60	27.10	5.80	25.00	14.00	10.40	10.60	6.80	4.30	5.80	
12	4.10	9.80	5.90	14.40	6.00	13.80	11.20	19.90	9.80	5.80	4.40	5.60	
13	5.20	14.20	5.70	10.20	6.40	12.80	9.80	24.10	8.80	5.80	4.20	5.70	
14	8.20	9.20	5.40	8.20	6.60	17.80	8.80	20.20	8.80	5.70	4.20	5.80	
15	6.60	7.80	5.20	7.80	6.00	16.00	8.20	17.50	9.60	5.80	4.40	9.80	
16	6.80	11.00	5.10	6.80	5.70	12.20	7.60	18.70	9.00	5.70	5.80	7.00	
17	5.70	11.60	4.90	5.90	6.00	10.60	7.20	19.00	9.40	5.60	12.20	5.70	
18	7.00	8.20	4.80	5.50	17.20	13.20	7.80	64.50	10.40	5.30	9.60	5.40	
19	5.20	6.60	4.60	5.30	22.30	22.90	7.20	76.80	9.60	5.20	5.90	5.10	
20	5.00	7.00	4.50	5.00	17.80	34.00	14.80	70.00	9.00	5.40	5.30	5.70	
21	5.80	11.60	5.10	4.80	14.80	27.40	10.80	53.20	8.40	5.40	5.80	5.80	
22	5.50	39.40	5.50	4.70	12.00	24.40	12.40	35.90	8.40	5.40	5.30	5.50	
23	6.60	24.40	5.00	4.60	10.20	19.30	14.40	14.60	8.20	5.30	4.90	5.40	
24	11.80	13.00	4.90	4.50	9.20	13.80	22.60	30.50	9.00	5.00	4.80	6.00	
25	8.60	9.40	4.60	4.40	11.20	10.80	31.00	17.20	8.40	4.90	5.50	7.20	
26	6.80	8.20	4.60	4.30	12.80	11.40	14.80	10.60	7.80	4.90	13.00	20.50	
27	5.90	10.40	4.60	4.20	12.00	11.20	14.40	8.40	7.40	4.80	29.50	14.60	
28	5.50	13.60	5.00	4.10	9.00	14.40	23.20	11.20	7.20	4.80	12.40	9.80	
29	6.00	10.40	5.40	4.20	7.60	17.50	14.80	35.30	7.00	4.70		8.20	
30	8.40	7.80	5.20	5.50	8.80	66.00	15.60	16.20	10.00	4.70		7.00	
31		6.80		9.00	14.60		47.50		9.20	5.30		7.60	
Total	175.60	309.10	205.20	257.60	312.40	526.30	574.80	754.70	343.30	212.50	187.40	242.00	4100.90 CMSDAY
Mean	5.85	9.97	6.84	8.31	10.08	17.54	18.54	25.16	11.07	6.85	6.69	7.81	11.24 CMS
Max	11.80	39.40	14.00	45.70	22.30	66.00	55.60	76.80	24.10	17.20	29.50	20.50	76.80 CMS
Min	3.90	5.10	4.50	4.10	5.30	5.80	7.20	8.40	7.00	4.70	4.20	5.10	3.90 CMS
Runoff	15.17	26.71	17.73	22.26	26.99	45.47	49.66	65.21	29.66	18.36	16.19	20.91	354.32 MCM
Momentary Peak	84.80 CMS. at 16.34 m. (MSL.) at 23.00 Hours , on Nov 18, 2021												
Runoff Yield	41.77	Liters/Second/Square KM.		Momentary Peak Yield		315.24	Liters/Second/Square KM.						

WATER YEAR : 2021

PENINSULA - WEST COAST

Khleng Phangnga at Ban Bang Tong , Phangnga (X.245)

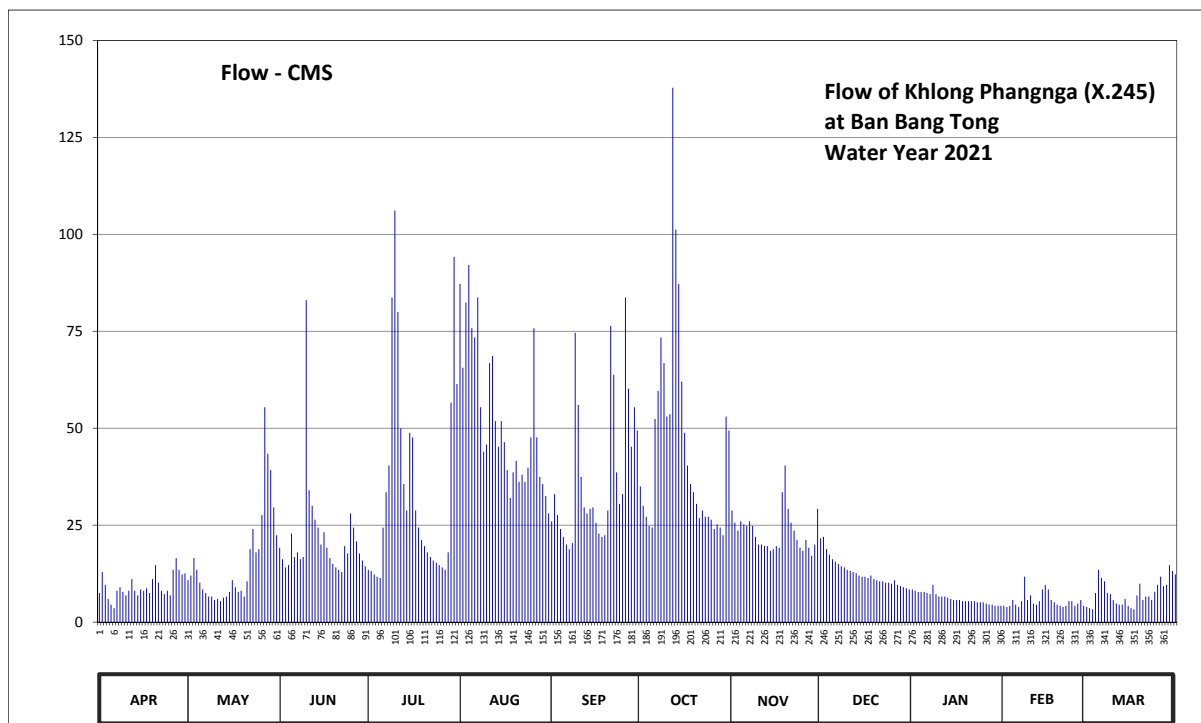
Lat 08 - 30 - 48 N Long 98 - 30 - 13 E

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	Stable.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Stage-discharge relation defined by 15 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.85	7.96	8.23	8.05	9.46	8.40	8.60	8.47	8.29	7.88	7.74	7.73	
2	8.03	8.00	8.14	8.04	9.11	8.56	8.50	8.39	8.30	7.87	7.73	7.72	
3	7.92	8.15	8.07	8.01	9.39	8.44	8.43	8.34	8.22	7.86	7.74	7.71	
4	7.80	8.05	8.09	7.99	9.53	8.35	8.37	8.40	8.18	7.86	7.79	7.85	
5	7.75	7.94	8.32	7.98	9.28	8.30	8.36	8.38	8.14	7.86	7.75	8.05	
6	7.72	7.88	8.16	8.36	9.24	8.25	8.89	8.37	8.12	7.85	7.73	7.98	
7	7.87	7.85	8.20	8.57	9.41	8.22	9.01	8.40	8.10	7.84	7.78	7.95	
8	7.90	7.82	8.14	8.69	8.94	8.26	9.24	8.37	8.08	7.92	7.99	7.85	
9	7.86	7.82	8.16	9.41	8.75	9.26	9.13	8.30	8.07	7.84	7.79	7.84	
10	7.83	7.79	9.40	9.73	8.78	8.95	8.90	8.25	8.05	7.82	7.83	7.79	
11	7.87	7.80	8.58	9.35	9.13	8.64	8.91	8.25	8.04	7.82	7.76	7.76	
12	7.97	7.78	8.50	8.85	9.16	8.49	10.16	8.24	8.03	7.82	7.75	7.75	
13	7.87	7.81	8.41	8.61	8.88	8.45	9.66	8.24	8.02	7.81	7.78	7.75	
14	7.83	7.82	8.36	8.47	8.77	8.48	9.46	8.21	8.00	7.80	7.88	7.80	
15	7.88	7.86	8.25	8.83	8.88	8.49	9.05	8.22	7.99	7.79	7.92	7.74	
16	7.87	7.96	8.33	8.81	8.79	8.39	8.83	8.24	7.99	7.79	7.88	7.72	
17	7.89	7.90	8.23	8.47	8.67	8.32	8.69	8.23	7.98	7.79	7.79	7.71	
18	7.85	7.86	8.15	8.36	8.54	8.30	8.61	8.57	8.00	7.78	7.77	7.83	
19	7.97	7.87	8.10	8.28	8.66	8.31	8.57	8.69	7.97	7.78	7.75	7.93	
20	8.09	7.82	8.07	8.24	8.71	8.47	8.51	8.48	7.96	7.78	7.74	7.79	
21	7.94	7.95	8.05	8.20	8.62	9.29	8.42	8.39	7.95	7.78	7.73	7.82	
22	7.87	8.22	8.03	8.16	8.65	9.08	8.47	8.34	7.95	7.78	7.74	7.82	
23	7.84	8.35	8.24	8.13	8.62	8.66	8.43	8.28	7.94	7.77	7.78	7.79	
24	7.87	8.20	8.19	8.11	8.68	8.51	8.43	8.23	7.94	7.77	7.78	7.86	
25	7.83	8.22	8.45	8.09	8.81	8.56	8.41	8.21	7.93	7.77	7.74	7.92	
26	8.05	8.44	8.36	8.07	9.28	9.41	8.35	8.28	7.96	7.76	7.76	7.99	
27	8.15	8.94	8.27	8.05	8.81	9.02	8.38	8.23	7.92	7.75	7.79	7.91	
28	8.05	8.74	8.19	8.20	8.64	8.77	8.36	8.17	7.91	7.75	7.74	7.92	
29	8.01	8.67	8.13	8.96	8.61	8.94	8.31	8.25	7.90	7.74		8.09	
30	8.02	8.49	8.08	9.56	8.55	8.84	8.90	8.48	7.89	7.74		8.04	
31		8.31		9.04	8.45		8.84		7.88	7.74		8.01	
Mean	7.91	8.07	8.26	8.51	8.90	8.61	8.75	8.33	8.02	7.80	7.78	7.85	
Max	8.15	8.94	9.40	9.73	9.53	9.41	10.16	8.69	8.30	7.92	7.99	8.09	10.16
Min	7.72	7.78	8.03	7.98	8.45	8.22	8.31	8.17	7.88	7.74	7.73	7.71	7.71
Annual Max Momentary Gage Height	11.49		m. (MSL.) ,				at 20.00 Hours , on Oct 30, 2021						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	6.02	m. (MSL.)					
Left Bank Elevation	15.24		m. (MSL.) ,										
Right Bank Elevation	16.31		m. (MSL.) ,			Drainage Are	245	Square Kilometers					



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	7.50	10.80	19.20	13.50	87.20	26.00	35.00	28.80	21.60	8.40	4.20	3.90		
2	12.90	12.00	16.20	13.20	65.60	33.00	30.00	25.60	22.00	8.10	3.90	3.60		
3	9.60	16.50	14.10	12.30	82.40	27.60	27.20	23.60	18.80	7.80	4.20	3.30		
4	6.00	13.50	14.70	11.70	92.10	24.00	24.80	26.00	17.40	7.80	5.70	7.50		
5	4.50	10.20	22.80	11.40	75.80	22.00	24.40	25.20	16.20	7.80	4.50	13.50		
6	3.60	8.40	16.80	24.40	73.40	20.00	52.40	24.80	15.60	7.50	3.90	11.40		
7	8.10	7.50	18.00	33.50	83.70	18.80	59.60	26.00	15.00	7.20	5.40	10.50		
8	9.00	6.60	16.20	40.40	55.40	20.40	73.40	24.80	14.40	9.60	11.70	7.50		
9	7.80	6.60	16.80	83.70	44.00	74.60	66.80	22.00	14.10	7.20	5.70	7.20		
10	6.90	5.70	83.00	106.10	45.80	56.00	53.00	20.00	13.50	6.60	6.90	5.70		
11	8.10	6.00	34.00	80.00	66.80	37.40	53.60	20.00	13.20	6.60	4.80	4.80		
12	11.10	5.40	30.00	50.00	68.60	29.60	137.80	19.60	12.90	6.60	4.50	4.50		
13	8.10	6.30	26.40	35.60	51.80	28.00	101.20	19.60	12.60	6.30	5.40	4.50		
14	6.90	6.60	24.40	28.80	45.20	29.20	87.20	18.40	12.00	6.00	8.40	6.00		
15	8.40	7.80	20.00	48.80	51.80	29.60	62.00	18.80	11.70	5.70	9.60	4.20		
16	8.10	10.80	23.20	47.60	46.40	25.60	48.80	19.60	11.70	5.70	8.40	3.60		
17	8.70	9.00	19.20	28.80	39.20	22.80	40.40	19.20	11.40	5.70	5.70	3.30		
18	7.50	7.80	16.50	24.40	32.00	22.00	35.60	33.50	12.00	5.40	5.10	6.90		
19	11.10	8.10	15.00	21.20	38.60	22.40	33.50	40.40	11.10	5.40	4.50	9.90		
20	14.70	6.60	14.10	19.60	41.60	28.80	30.50	29.20	10.80	5.40	4.20	5.70		
21	10.20	10.50	13.50	18.00	36.20	76.40	26.80	25.60	10.50	5.40	3.90	6.60		
22	8.10	18.80	12.90	16.80	38.00	63.80	28.80	23.60	10.50	5.40	4.20	6.60		
23	7.20	24.00	19.60	15.90	36.20	38.60	27.20	21.20	10.20	5.10	5.40	5.70		
24	8.10	18.00	17.70	15.30	39.80	30.50	27.20	19.20	10.20	5.10	5.40	7.80		
25	6.90	18.80	28.00	14.70	47.60	33.00	26.40	18.40	9.90	5.10	4.20	9.60		
26	13.50	27.60	24.40	14.10	75.80	83.70	24.00	21.20	10.80	4.80	4.80	11.70		
27	16.50	55.40	20.80	13.50	47.60	60.20	25.20	19.20	9.60	4.50	5.70	9.30		
28	13.50	43.40	17.70	18.00	37.40	45.20	24.40	17.10	9.30	4.50	4.20	9.60		
29	12.30	39.20	15.90	56.60	35.60	55.40	22.40	20.00	9.00	4.20		14.70		
30	12.60	29.60	14.40	94.20	32.50	49.40	53.00	29.20	8.70	4.20		13.20		
31		22.40		61.40	28.00		49.40		8.40	4.20		12.30		
Total	277.50	479.90	645.50	1073.50	1642.10	1134.00	1412.00	699.80	395.10	189.30	154.50	234.60	8337.80	CMSDAY
Mean	9.25	15.48	21.52	34.63	52.97	37.80	45.55	23.33	12.75	6.11	5.52	7.57	22.84	CMS
Max	16.50	55.40	83.00	106.10	92.10	83.70	137.80	40.40	22.00	9.60	11.70	14.70	137.80	CMS
Min	3.60	5.40	12.90	11.40	28.00	18.80	22.40	17.10	8.40	4.20	3.90	3.30	3.30	CMS
Runoff	23.98	41.46	55.77	92.75	141.88	97.98	122.00	60.46	34.14	16.36	13.35	20.27	720.39	MCM
Momentary Peak	CMS. at 11.49 m. (MSL.) at 20.00 Hours , on Oct 30, 2021													
Runoff Yield	93.24	Liters/Second/Square KM.				Momentary Peak Yield				1036.73	Liters/Second/Square KM.			

WATER YEAR : 2021**PENINSULA - WEST COAST****Upper Khlong Tha Prae at Ban Karakat , Satun (X.261)**

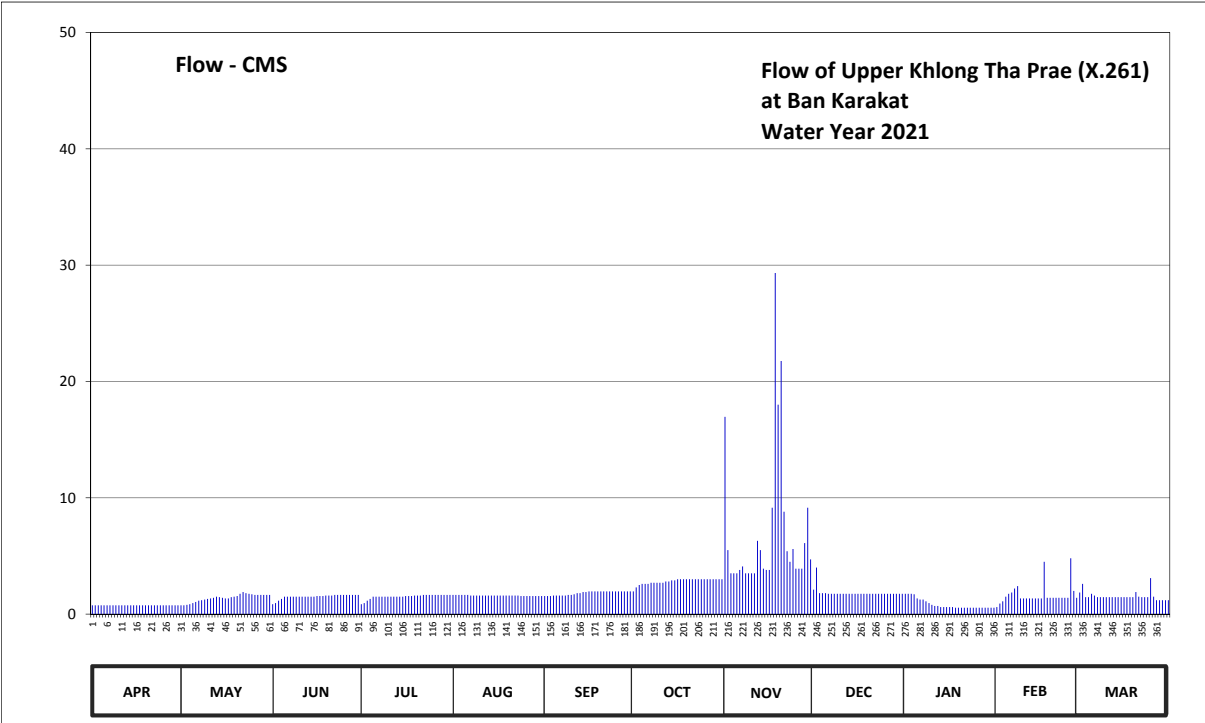
Lat 06 - 50 - 18 N Long 100 - 04 - 10 E

Location : on right bank at Ban Karakat.

	Ban	Karakat	Amphoe	Khuan Kalong	Changwat	Satun
Drainage Area	79	sq.km.				
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	No overbank flow.					
General Description	Records fair. Stage-discharge relation defined by 12 discharge measurements made in 2021.					

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	26.85	26.85	26.87	26.87	27.03	27.01	27.09	28.33	27.11	27.05	26.82	27.07	
2	26.85	26.85	26.89	26.89	27.03	27.01	27.13	27.45	27.30	27.05	26.88	27.16	
3	26.85	26.86	26.93	26.93	27.03	27.01	27.15	27.25	27.06	27.05	26.92	26.99	
4	26.85	26.87	26.96	26.96	27.03	27.02	27.16	27.25	27.06	27.04	27.00	26.99	
5	26.85	26.89	27.00	27.00	27.03	27.02	27.16	27.25	27.06	26.97	27.05	27.05	
6	26.85	26.91	27.00	27.00	27.03	27.02	27.16	27.28	27.05	26.95	27.07	27.02	
7	26.85	26.93	27.00	27.00	27.02	27.02	27.17	27.31	27.05	26.95	27.12	26.99	
8	26.85	26.94	27.00	27.00	27.02	27.02	27.17	27.25	27.05	26.92	27.14	26.99	
9	26.85	26.95	27.00	27.00	27.02	27.03	27.17	27.25	27.05	26.89	26.97	26.99	
10	26.85	26.96	27.00	27.00	27.02	27.03	27.17	27.25	27.05	26.86	26.97	26.99	
11	26.85	26.97	27.00	27.00	27.02	27.04	27.17	27.25	27.05	26.84	26.97	26.99	
12	26.85	26.98	27.00	27.00	27.02	27.06	27.18	27.53	27.05	26.84	26.97	26.99	
13	26.85	27.00	27.00	27.00	27.02	27.06	27.18	27.45	27.05	26.82	26.97	26.99	
14	26.85	26.99	27.00	27.00	27.02	27.08	27.19	27.29	27.05	26.82	26.97	26.99	
15	26.85	26.98	27.00	27.00	27.02	27.08	27.19	27.28	27.05	26.82	26.97	26.99	
16	26.85	26.97	27.01	27.01	27.02	27.09	27.20	27.28	27.05	26.82	26.97	26.99	
17	26.85	26.97	27.01	27.01	27.02	27.09	27.20	27.81	27.05	26.82	27.35	26.99	
18	26.85	26.99	27.01	27.01	27.02	27.09	27.20	29.08	27.05	26.81	26.98	26.99	
19	26.85	27.00	27.02	27.02	27.02	27.09	27.20	28.40	27.05	26.81	26.98	26.99	
20	26.85	27.01	27.02	27.02	27.02	27.09	27.20	28.65	27.05	26.81	26.98	27.08	
21	26.85	27.05	27.02	27.02	27.02	27.09	27.20	27.78	27.05	26.81	26.98	27.00	
22	26.85	27.08	27.03	27.03	27.02	27.09	27.20	27.44	27.05	26.81	26.98	26.99	
23	26.85	27.06	27.03	27.03	27.02	27.09	27.20	27.35	27.05	26.81	26.98	26.99	
24	26.85	27.05	27.03	27.03	27.01	27.09	27.20	27.46	27.05	26.81	26.98	26.99	
25	26.85	27.04	27.03	27.03	27.01	27.09	27.20	27.29	27.05	26.81	26.98	27.21	
26	26.85	27.03	27.03	27.03	27.01	27.09	27.20	27.29	27.05	26.81	27.38	27.00	
27	26.85	27.03	27.03	27.03	27.01	27.09	27.20	27.29	27.05	26.81	27.10	26.94	
28	26.85	27.03	27.03	27.03	27.01	27.09	27.20	27.51	27.05	26.81	26.98	26.94	
29	26.85	27.03	27.03	27.03	27.01	27.09	27.20	27.81	27.05	26.81		26.94	
30	26.85	27.03	27.03	27.03	27.01	27.09	27.20	27.37	27.05	26.81		26.94	
31		27.03		27.03	27.01		27.20		27.05	26.81		26.94	
Mean	26.85	26.98	27.00	27.00	27.02	27.06	27.18	27.55	27.06	26.87	27.01	27.00	
Max	26.85	27.08	27.03	27.03	27.03	27.09	27.20	29.08	27.30	27.05	27.38	27.21	29.08
Min	26.85	26.85	26.87	26.87	27.01	27.01	27.09	27.25	27.05	26.81	26.82	26.94	26.81
Annual Max Momentary Gage Height	29.93		m. (MSL.) ,			at 01.00 Hours ,	on Nov 1, 2021						
Zero Gage at Bottom Elevation		0.00	m. (MSL.) ,			River Bed	26.51	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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.75	0.75	0.85	0.85	1.65	1.55	1.95	16.95	2.10	1.75	0.60	1.85		
2	0.75	0.75	0.95	0.95	1.65	1.55	2.30	5.50	4.00	1.75	0.90	2.60		
3	0.75	0.80	1.15	1.15	1.65	1.55	2.50	3.50	1.80	1.75	1.10	1.45		
4	0.75	0.85	1.30	1.30	1.65	1.60	2.60	3.50	1.80	1.70	1.50	1.45		
5	0.75	0.95	1.50	1.50	1.65	1.60	2.60	3.50	1.80	1.35	1.75	1.75		
6	0.75	1.05	1.50	1.50	1.65	1.60	2.60	3.80	1.75	1.25	1.85	1.60		
7	0.75	1.15	1.50	1.50	1.60	1.60	2.70	4.10	1.75	1.25	2.20	1.45		
8	0.75	1.20	1.50	1.50	1.60	1.60	2.70	3.50	1.75	1.10	2.40	1.45		
9	0.75	1.25	1.50	1.50	1.60	1.65	2.70	3.50	1.75	0.95	1.35	1.45		
10	0.75	1.30	1.50	1.50	1.60	1.65	2.70	3.50	1.75	0.80	1.35	1.45		
11	0.75	1.35	1.50	1.50	1.60	1.70	2.70	3.50	1.75	0.70	1.35	1.45		
12	0.75	1.40	1.50	1.50	1.60	1.80	2.80	6.30	1.75	0.70	1.35	1.45		
13	0.75	1.50	1.50	1.50	1.60	1.80	2.80	5.50	1.75	0.60	1.35	1.45		
14	0.75	1.45	1.50	1.50	1.60	1.90	2.90	3.90	1.75	0.60	1.35	1.45		
15	0.75	1.40	1.50	1.50	1.60	1.90	2.90	3.80	1.75	0.60	1.35	1.45		
16	0.75	1.35	1.55	1.55	1.60	1.95	3.00	3.80	1.75	0.60	1.35	1.45		
17	0.75	1.35	1.55	1.55	1.60	1.95	3.00	9.15	1.75	0.60	4.50	1.45		
18	0.75	1.45	1.55	1.55	1.60	1.95	3.00	29.32	1.75	0.55	1.40	1.45		
19	0.75	1.50	1.60	1.60	1.60	1.95	3.00	18.00	1.75	0.55	1.40	1.45		
20	0.75	1.55	1.60	1.60	1.60	1.95	3.00	21.75	1.75	0.55	1.40	1.90		
21	0.75	1.75	1.60	1.60	1.60	1.95	3.00	8.80	1.75	0.55	1.40	1.50		
22	0.75	1.90	1.65	1.65	1.60	1.95	3.00	5.40	1.75	0.55	1.40	1.45		
23	0.75	1.80	1.65	1.65	1.60	1.95	3.00	4.50	1.75	0.55	1.40	1.45		
24	0.75	1.75	1.65	1.65	1.55	1.95	3.00	5.60	1.75	0.55	1.40	1.45		
25	0.75	1.70	1.65	1.65	1.55	1.95	3.00	3.90	1.75	0.55	1.40	3.10		
26	0.75	1.65	1.65	1.65	1.55	1.95	3.00	3.90	1.75	0.55	4.80	1.50		
27	0.75	1.65	1.65	1.65	1.55	1.95	3.00	3.90	1.75	0.55	2.00	1.20		
28	0.75	1.65	1.65	1.65	1.55	1.95	3.00	6.10	1.75	0.55	1.40	1.20		
29	0.75	1.65	1.65	1.65	1.55	1.95	3.00	9.15	1.75	0.55		1.20		
30	0.75	1.65	1.65	1.65	1.55	1.95	3.00	4.70	1.75	0.55		1.20		
31		1.65		1.65	1.55		3.00		1.75	0.55		1.20		
Total	22.50	43.15	45.05	46.70	49.50	54.30	87.45	212.32	57.00	25.75	47.00	47.90	738.62	CMSDAY
Mean	0.75	1.39	1.50	1.51	1.60	1.81	2.82	7.08	1.84	0.83	1.68	1.55	2.02	CMS
Max	0.75	1.90	1.65	1.65	1.65	1.95	3.00	29.32	4.00	1.75	4.80	3.10	29.32	CMS
Min	0.75	0.75	0.85	0.85	1.55	1.55	1.95	3.50	1.75	0.55	0.60	1.20	0.55	CMS
Runoff	1.94	3.73	3.89	4.03	4.28	4.69	7.56	18.34	4.92	2.22	4.06	4.14	63.82	MCM
Momentary Peak	CMS. at 29.93 m. (MSL.) at 01.00 Hours , on Nov 1, 2021													
Runoff Yield	25.62	Liters/Second/Square KM.			Momentary Peak Yield		641.77	Liters/Second/Square KM.						

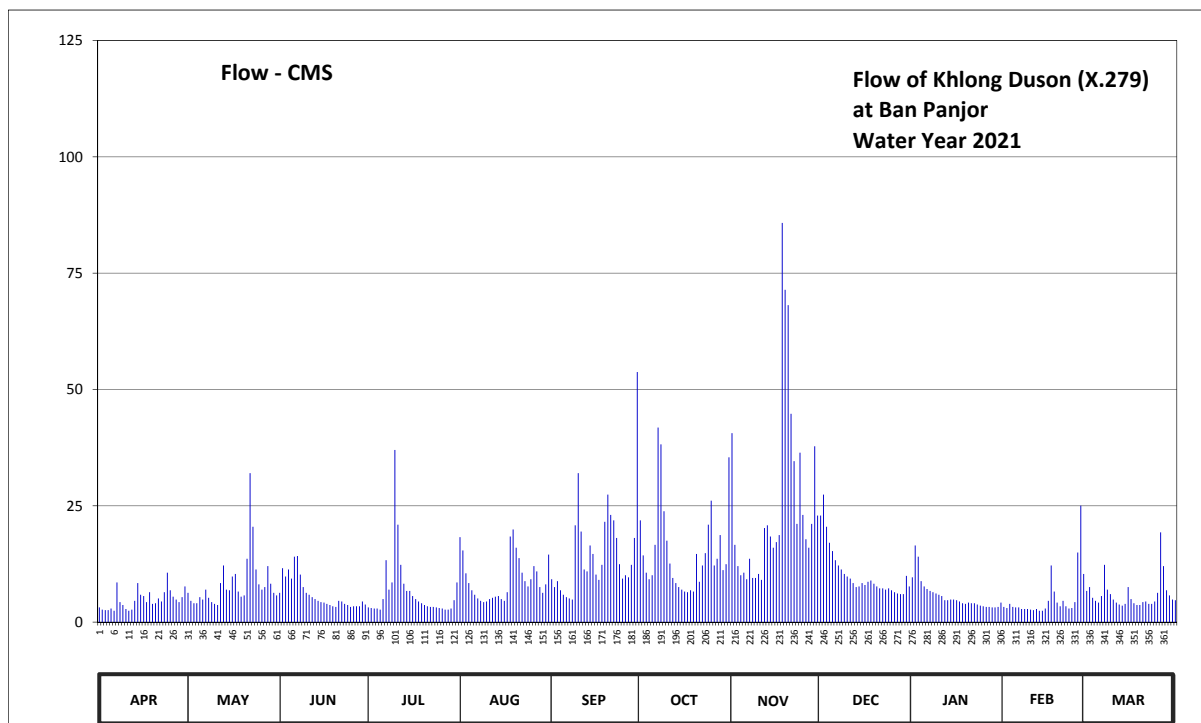
WATER YEAR : 2021
SOUTHERN PENINSULA WEST COAST
Khlong Duson at Ban Panjor , Satun (X.279)
Lat 06 - 46 - 39 N Long 100 - 04 - 17 E

Location : on right bank at Ban Panjor.

	Ban Panjor	Amphoe Khuan Don	Changwat Satun
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 fair. Stage-discharge relation defined by 11 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.38	19.62	19.62	19.38	20.45	19.83	20.69	21.68	20.76	19.86	19.39	19.65	
2	19.34	19.49	20.00	19.37	20.26	19.71	20.19	20.34	21.02	20.33	19.37	19.71	
3	19.33	19.45	19.87	19.36	19.92	19.80	19.93	20.03	20.60	20.17	19.44	19.54	
4	19.33	19.45	19.98	19.36	19.77	19.66	19.83	19.89	20.37	19.80	19.39	19.49	
5	19.36	19.55	19.84	19.34	19.66	19.59	19.89	19.93	20.25	19.72	19.38	19.46	
6	19.32	19.51	20.17	19.52	19.59	19.55	20.34	19.83	20.12	19.68	19.38	19.57	
7	19.78	19.67	20.18	20.12	19.53	19.53	21.74	20.14	20.04	19.65	19.35	20.05	
8	19.47	19.54	19.90	19.67	19.49	19.51	21.56	19.85	19.98	19.63	19.35	19.67	
9	19.42	19.47	19.71	19.78	19.47	20.62	20.82	19.85	19.91	19.61	19.35	19.60	
10	19.35	19.44	19.62	21.50	19.48	21.25	20.40	19.91	19.87	19.59	19.34	19.51	
11	19.32	19.42	19.59	20.63	19.52	20.53	20.07	19.82	19.84	19.57	19.33	19.46	
12	19.34	19.77	19.55	20.05	19.54	19.98	19.85	20.58	19.77	19.50	19.35	19.43	
13	19.49	20.04	19.52	19.76	19.56	19.95	19.77	20.62	19.71	19.50	19.32	19.41	
14	19.77	19.67	19.49	19.65	19.57	20.33	19.71	20.46	19.72	19.51	19.32	19.44	
15	19.59	19.66	19.47	19.65	19.52	20.21	19.67	20.30	19.77	19.51	19.36	19.71	
16	19.57	19.87	19.46	19.57	19.49	19.90	19.64	20.38	19.74	19.50	19.49	19.52	
17	19.47	19.91	19.44	19.52	19.63	19.82	19.63	20.48	19.79	19.48	20.04	19.45	
18	19.63	19.64	19.42	19.48	20.46	20.05	19.66	23.36	19.81	19.45	19.64	19.42	
19	19.44	19.56	19.40	19.45	20.56	20.67	19.64	22.88	19.76	19.44	19.46	19.42	
20	19.45	19.58	19.39	19.42	20.30	21.02	20.21	22.77	19.72	19.46	19.40	19.47	
21	19.53	20.14	19.49	19.40	20.15	20.77	19.79	21.87	19.69	19.45	19.49	19.48	
22	19.48	21.25	19.48	19.39	19.93	20.69	20.04	21.38	19.69	19.45	19.40	19.44	
23	19.63	20.60	19.44	19.39	19.80	20.44	20.22	20.64	19.67	19.43	19.36	19.44	
24	19.93	19.98	19.42	19.38	19.72	20.06	20.63	21.47	19.69	19.41	19.37	19.48	
25	19.66	19.75	19.39	19.37	19.83	19.84	20.95	20.77	19.66	19.40	19.47	19.62	
26	19.56	19.67	19.40	19.36	20.03	19.89	20.04	20.42	19.63	19.39	20.23	20.52	
27	19.51	19.71	19.40	19.34	19.95	19.86	20.14	20.30	19.61	19.39	20.89	20.03	
28	19.47	20.03	19.40	19.34	19.71	20.05	20.48	20.64	19.60	19.38	19.91	19.66	
29	19.55	19.76	19.48	19.36	19.62	20.44	19.97	21.54	19.60	19.38		19.58	
30	19.72	19.62	19.43	19.50	19.75	22.23	20.06	20.76	19.88	19.39		19.51	
31		19.58		19.78	20.20		21.42		19.72	19.46		19.50	
Mean	19.51	19.75	19.60	19.62	19.82	20.19	20.23	20.76	19.90	19.56	19.52	19.59	
Max	19.93	21.25	20.18	21.50	20.56	22.23	21.74	23.36	21.02	20.33	20.89	20.52	23.36
Min	19.32	19.42	19.39	19.34	19.47	19.51	19.63	19.82	19.60	19.38	19.32	19.41	19.32
Annual Max Momentary Gage Height	23.66		m. (MSL.) ,			at 10.00 Hours ,	on Nov 18, 2021						
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, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	3.16	6.28	6.28	3.16	18.25	9.22	21.85	40.60	22.90	9.64	3.28	6.70		
2	2.68	4.57	11.60	3.04	15.40	7.54	14.35	16.60	27.40	16.45	3.04	7.54		
3	2.56	4.05	9.78	2.92	10.48	8.80	10.62	12.02	20.50	14.05	3.92	5.22		
4	2.56	4.05	11.32	2.92	8.38	6.84	9.22	10.06	17.05	8.80	3.28	4.57		
5	2.92	5.35	9.36	2.68	6.84	5.87	10.06	10.62	15.25	7.68	3.16	4.18		
6	2.44	4.83	14.05	4.96	5.87	5.35	16.60	9.22	13.30	7.12	3.16	5.61		
7	8.52	6.98	14.20	13.30	5.09	5.09	41.80	13.60	12.16	6.70	2.80	12.30		
8	4.31	5.22	10.20	6.98	4.57	4.83	38.20	9.50	11.32	6.42	2.80	6.98		
9	3.66	4.31	7.54	8.52	4.31	20.80	23.84	9.50	10.34	6.14	2.80	6.00		
10	2.80	3.92	6.28	37.00	4.44	32.00	17.50	10.34	9.78	5.87	2.68	4.83		
11	2.44	3.66	5.87	20.95	4.96	19.45	12.58	9.08	9.36	5.61	2.56	4.18		
12	2.68	8.38	5.35	12.30	5.22	11.32	9.50	20.20	8.38	4.70	2.80	3.79		
13	4.57	12.16	4.96	8.24	5.48	10.90	8.38	20.80	7.54	4.70	2.44	3.53		
14	8.38	6.98	4.57	6.70	5.61	16.45	7.54	18.40	7.68	4.83	2.44	3.92		
15	5.87	6.84	4.31	6.70	4.96	14.65	6.98	16.00	8.38	4.83	2.92	7.54		
16	5.61	9.78	4.18	5.61	4.57	10.20	6.56	17.20	7.96	4.70	4.57	4.96		
17	4.31	10.34	3.92	4.96	6.42	9.08	6.42	18.70	8.66	4.44	12.16	4.05		
18	6.42	6.56	3.66	4.44	18.40	12.30	6.84	85.80	8.94	4.05	6.56	3.66		
19	3.92	5.48	3.40	4.05	19.90	21.55	6.56	71.40	8.24	3.92	4.18	3.66		
20	4.05	5.74	3.28	3.66	16.00	27.40	14.65	68.10	7.68	4.18	3.40	4.31		
21	5.09	13.60	4.57	3.40	13.75	23.05	8.66	44.75	7.26	4.05	4.57	4.44		
22	4.44	32.00	4.44	3.28	10.62	21.85	12.16	34.60	7.26	4.05	3.40	3.92		
23	6.42	20.50	3.92	3.28	8.80	18.10	14.80	21.10	6.98	3.79	2.92	3.92		
24	10.62	11.32	3.66	3.16	7.68	12.44	20.95	36.40	7.26	3.53	3.04	4.44		
25	6.84	8.10	3.28	3.04	9.22	9.36	26.10	23.05	6.84	3.40	4.31	6.28		
26	5.48	6.98	3.40	2.92	12.02	10.06	12.16	17.80	6.42	3.28	14.95	19.30		
27	4.83	7.54	3.40	2.68	10.90	9.64	13.60	16.00	6.14	3.28	25.03	12.02		
28	4.31	12.02	3.40	2.68	7.54	12.30	18.70	21.10	6.00	3.16	10.34	6.84		
29	5.35	8.24	4.44	2.92	6.28	18.10	11.18	37.80	6.00	3.16		5.74		
30	7.68	6.28	3.79	4.70	8.10	53.75	12.44	22.90	9.92	3.28		4.83		
31		5.74		8.52	14.50		35.40		7.68	4.18		4.70		
Total	144.92	257.80	182.41	203.67	284.56	448.29	476.20	763.24	320.58	173.99	143.51	183.96	3583.13	CMSDAY
Mean	4.83	8.32	6.08	6.57	9.18	14.94	15.36	25.44	10.34	5.61	5.13	5.93	9.82	CMS
Max	10.62	32.00	14.20	37.00	19.90	53.75	41.80	85.80	27.40	16.45	25.03	19.30	85.80	CMS
Min	2.44	3.66	3.28	2.68	4.31	4.83	6.42	9.08	6.00	3.16	2.44	3.53	2.44	CMS
Runoff	12.52	22.27	15.76	17.60	24.59	38.73	41.14	65.94	27.70	15.03	12.40	15.89	309.58	MCM
Momentary Peak	CMS. at 23.66 m. (MSL.) at 10.00 Hours , on Nov 18, 2021													
Runoff Yield	42.31	Liters/Second/Square KM.				Momentary Peak Yield				414.22	Liters/Second/Square KM.			

WATER YEAR : 2021

PENINSULA - WEST COAST

Khlong Rong Hut at Ban Jed Tho , Ranong (X.290A)

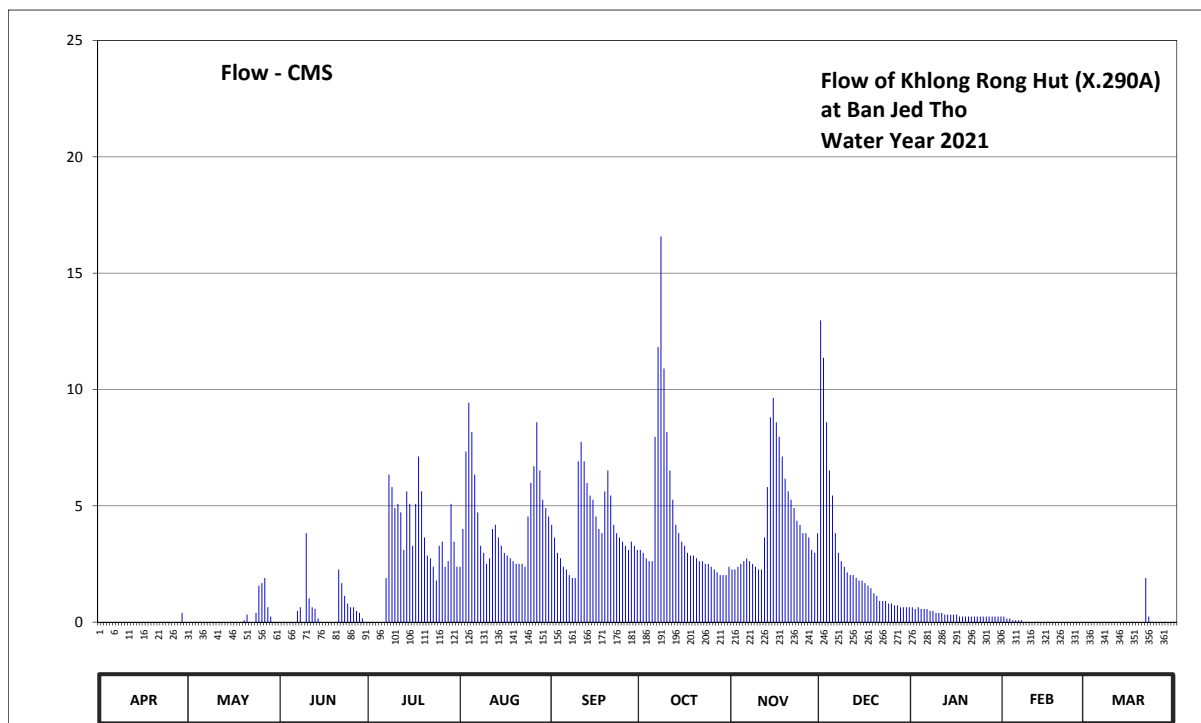
Lat 09 - 58 - 10 N Long 98 - 38 - 46 E

Location : on left bank at the bridge.

	Ban Jed Tho	Amphoe Mueang	Changwat Ranong
Drainage Area	15	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 12 discharge measurements made in 2021.		

Gage Height in Meter (MSL.) Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	14.37	14.35	14.38	14.50	14.74	14.86	14.80	14.73	15.29	14.58	14.53	14.45	
2	14.37	14.35	14.38	14.50	14.85	14.83	14.79	14.73	15.22	14.57	14.52	14.45	
3	14.37	14.35	14.37	14.49	15.03	14.79	14.77	14.74	15.09	14.58	14.52	14.45	
4	14.37	14.35	14.37	14.49	15.13	14.77	14.76	14.75	14.99	14.57	14.51	14.45	
5	14.37	14.35	14.37	14.49	15.07	14.74	14.76	14.76	14.93	14.57	14.51	14.44	
6	14.37	14.35	14.36	14.48	14.98	14.73	15.06	14.77	14.84	14.57	14.51	14.44	
7	14.36	14.35	14.56	14.70	14.89	14.71	15.24	14.76	14.79	14.56	14.51	14.44	
8	14.36	14.35	14.58	14.98	14.81	14.70	15.44	14.75	14.76	14.56	14.50	14.44	
9	14.36	14.35	14.49	14.95	14.79	14.70	15.20	14.74	14.74	14.55	14.50	14.44	
10	14.36	14.35	14.84	14.90	14.75	15.01	15.07	14.73	14.72	14.55	14.50	14.44	
11	14.36	14.34	14.62	14.91	14.77	15.05	14.99	14.73	14.71	14.55	14.50	14.45	
12	14.36	14.34	14.58	14.89	14.85	15.01	14.92	14.83	14.71	14.54	14.50	14.45	
13	14.35	14.34	14.57	14.80	14.86	14.96	14.86	14.95	14.70	14.54	14.49	14.45	
14	14.35	14.34	14.52	14.94	14.83	14.93	14.84	15.10	14.69	14.54	14.49	14.45	
15	14.35	14.33	14.49	14.91	14.81	14.92	14.82	15.14	14.69	14.54	14.49	14.44	
16	14.35	14.34	14.48	14.81	14.79	14.88	14.81	15.09	14.68	14.54	14.48	14.44	
17	14.35	14.36	14.47	14.91	14.78	14.85	14.79	15.06	14.67	14.53	14.48	14.44	
18	14.35	14.34	14.46	15.02	14.77	14.84	14.78	15.02	14.66	14.53	14.48	14.44	
19	14.35	14.38	14.45	14.94	14.76	14.94	14.78	14.97	14.64	14.53	14.47	14.44	
20	14.34	14.51	14.44	14.83	14.75	14.99	14.77	14.94	14.63	14.53	14.47	14.46	
21	14.34	14.54	14.73	14.78	14.75	14.93	14.76	14.92	14.61	14.53	14.47	14.70	
22	14.34	14.49	14.68	14.77	14.75	14.86	14.76	14.90	14.61	14.53	14.46	14.53	
23	14.34	14.50	14.63	14.74	14.74	14.84	14.75	14.87	14.61	14.53	14.46	14.49	
24	14.34	14.55	14.60	14.69	14.88	14.83	14.75	14.86	14.60	14.53	14.46	14.49	
25	14.34	14.67	14.58	14.81	14.96	14.82	14.74	14.84	14.60	14.53	14.45	14.49	
26	14.34	14.68	14.58	14.82	15.00	14.81	14.73	14.84	14.59	14.53	14.45	14.48	
27	14.34	14.70	14.56	14.74	15.09	14.80	14.72	14.83	14.59	14.53	14.45	14.48	
28	14.42	14.58	14.55	14.76	14.99	14.82	14.71	14.80	14.58	14.53	14.45	14.47	
29	14.55	14.53	14.52	14.91	14.92	14.81	14.71	14.79	14.58	14.53		14.46	
30	14.40	14.44	14.50	14.82	14.90	14.80	14.71	14.84	14.58	14.53		14.46	
31		14.39		14.74	14.88		14.74		14.58	14.53		14.46	
Mean	14.36	14.43	14.52	14.77	14.87	14.85	14.85	14.86	14.73	14.54	14.49	14.46	
Max	14.55	14.70	14.84	15.02	15.13	15.05	15.44	15.14	15.29	14.58	14.53	14.70	15.44
Min	14.34	14.33	14.36	14.48	14.74	14.70	14.71	14.73	14.58	14.53	14.45	14.44	14.33
Annual Max Momentary Gage Height	15.52	m. (MSL.) , at 18.00 Hours , on Oct 8, 2021											
Zero Gage at Bottom Elevation	0.00	m. (MSL.) , River Bed 14.15 m. (MSL.)											
Left Bank Elevation	17.04	m. (MSL.) ,											
Right Bank Elevation	17.00	m. (MSL.) , Drainage Are 15 Square Kilometers											



Discharge in Cubic Meter per Second , Water Year April 1, 2021 to March 31, 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	
1	0.00	0.00	0.00	0.00	2.38	4.18	3.10	2.26	12.97	0.64	0.24	0.00		
2	0.00	0.00	0.00	0.00	4.00	3.64	2.98	2.26	11.36	0.56	0.16	0.00		
3	0.00	0.00	0.00	0.00	7.33	2.98	2.74	2.38	8.59	0.64	0.16	0.00		
4	0.00	0.00	0.00	0.00	9.43	2.74	2.62	2.50	6.52	0.56	0.08	0.00		
5	0.00	0.00	0.00	0.00	8.17	2.38	2.62	2.62	5.44	0.56	0.08	0.00		
6	0.00	0.00	0.00	0.00	6.34	2.26	7.96	2.74	3.82	0.56	0.08	0.00		
7	0.00	0.00	0.48	1.90	4.72	2.02	11.82	2.62	2.98	0.48	0.08	0.00		
8	0.00	0.00	0.64	6.34	3.28	1.90	16.58	2.50	2.62	0.48	0.00	0.00		
9	0.00	0.00	0.00	5.80	2.98	1.90	10.90	2.38	2.38	0.40	0.00	0.00		
10	0.00	0.00	3.82	4.90	2.50	6.91	8.17	2.26	2.14	0.40	0.00	0.00		
11	0.00	0.00	1.02	5.08	2.74	7.75	6.52	2.26	2.02	0.40	0.00	0.00		
12	0.00	0.00	0.64	4.72	4.00	6.91	5.26	3.64	2.02	0.32	0.00	0.00		
13	0.00	0.00	0.56	3.10	4.18	5.98	4.18	5.80	1.90	0.32	0.00	0.00		
14	0.00	0.00	0.16	5.62	3.64	5.44	3.82	8.80	1.79	0.32	0.00	0.00		
15	0.00	0.00	0.00	5.08	3.28	5.26	3.46	9.64	1.79	0.32	0.00	0.00		
16	0.00	0.00	0.00	3.28	2.98	4.54	3.28	8.59	1.68	0.32	0.00	0.00		
17	0.00	0.00	0.00	5.08	2.86	4.00	2.98	7.96	1.57	0.24	0.00	0.00		
18	0.00	0.00	0.00	7.12	2.74	3.82	2.86	7.12	1.46	0.24	0.00	0.00		
19	0.00	0.00	0.00	5.62	2.62	5.62	2.86	6.16	1.24	0.24	0.00	0.00		
20	0.00	0.08	0.00	3.64	2.50	6.52	2.74	5.62	1.13	0.24	0.00	0.00		
21	0.00	0.32	2.26	2.86	2.50	5.44	2.62	5.26	0.91	0.24	0.00	1.90		
22	0.00	0.00	1.68	2.74	2.50	4.18	2.62	4.90	0.91	0.24	0.00	0.24		
23	0.00	0.00	1.13	2.38	2.38	3.82	2.50	4.36	0.91	0.24	0.00	0.00		
24	0.00	0.40	0.80	1.79	4.54	3.64	2.50	4.18	0.80	0.24	0.00	0.00		
25	0.00	1.57	0.64	3.28	5.98	3.46	2.38	3.82	0.80	0.24	0.00	0.00		
26	0.00	1.68	0.64	3.46	6.70	3.28	2.26	3.82	0.72	0.24	0.00	0.00		
27	0.00	1.90	0.48	2.38	8.59	3.10	2.14	3.64	0.72	0.24	0.00	0.00		
28	0.00	0.64	0.40	2.62	6.52	3.46	2.02	3.10	0.64	0.24	0.00	0.00		
29	0.40	0.24	0.16	5.08	5.26	3.28	2.02	2.98	0.64	0.24		0.00		
30	0.00	0.00	0.00	3.46	4.90	3.10	2.02	3.82	0.64	0.24		0.00		
31		0.00		2.38	4.54		2.38		0.64	0.24		0.00		
Total	0.40	6.83	15.51	99.71	137.08	123.51	132.91	129.99	83.75	10.88	0.88	2.14	743.59	CMSDAY
Mean	0.01	0.22	0.52	3.22	4.42	4.12	4.29	4.33	2.70	0.35	0.03	0.07	2.04	CMS
Max	0.40	1.90	3.82	7.12	9.43	7.75	16.58	9.64	12.97	0.64	0.24	1.90	16.58	CMS
Min	0.00	0.00	0.00	0.00	2.38	1.90	2.02	2.26	0.64	0.24	0.00	0.00	0.00	CMS
Runoff	0.03	0.59	1.34	8.61	11.84	10.67	11.48	11.23	7.24	0.94	0.08	0.18	64.25	MCM
Momentary Peak	18.76 CMS. at 15.52 m. (MSL.) at 18.00 Hours , on Oct 8, 2021													
Runoff Yield	135.82 Liters/Second/Square KM.					Momentary Peak Yield 1250.67					Liters/Second/Square KM.			

Suspended Sediment Station

Water Year 2021

WATER YEAR : 2021**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	2021		
Number of observation	39		
R-Square	0.9135		
Remarks	Continued Sediment Station		

$$QS = 1.4068 QW^{1.69650}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.01	1.31	19.22	0.17	63.54	48.92	715.20	552.96	120.79	1.18	0.35	0.27	
2	0.01	2.25	1.09	0.09	36.63	30.66	629.89	1280.63	113.61	1.00	0.35	0.24	
3	0.01	1.92	0.49	0.05	31.85	23.14	568.02	1478.30	108.87	0.43	0.24	0.24	
4	0.01	1.31	0.35	0.03	101.85	24.13	606.38	1644.72	108.87	0.43	0.24	0.24	
5	0.01	1.60	0.39	0.01	56.85	24.13	538.07	1294.37	101.85	0.43	0.31	0.20	
6	0.04	1.76	0.39	0.24	21.14	56.85	394.64	893.86	95.16	0.39	0.77	0.20	
7	0.14	3.60	0.35	35.36	2.08	48.92	222.47	732.86	88.52	0.49	1.31	0.39	
8	0.27	16.58	1.76	29.57	0.56	29.57	150.83	646.36	84.25	0.63	1.09	1.60	
9	1.31	52.03	28.41	24.13	1.09	58.49	97.32	508.79	80.07	0.63	0.77	1.00	
10	3.32	72.33	253.25	65.26	2.61	239.92	78.08	480.97	70.54	0.63	0.63	1.00	
11	2.80	78.08	343.68	156.57	3.60	231.13	382.88	487.27	72.33	0.43	0.56	0.77	
12	2.61	53.62	134.15	253.25	8.56	177.25	795.88	688.90	67.00	0.31	0.56	0.49	
13	2.43	44.40	45.89	142.31	10.44	74.14	590.91	583.24	44.40	0.39	0.43	0.49	
14	1.60	45.89	90.76	75.98	20.14	95.16	301.91	538.07	40.34	0.63	0.31	0.43	
15	1.76	39.12	480.97	47.39	50.47	286.92	162.39	474.44	37.82	0.63	0.20	0.43	
16	1.45	22.09	317.42	58.49	97.32	904.01	181.26	461.76	36.63	2.61	0.27	0.43	
17	1.45	29.57	128.77	28.41	400.45	1253.35	406.54	560.47	30.66	9.17	0.27	0.63	
18	2.80	23.14	108.87	5.78	177.25	1008.14	538.07	487.27	11.11	13.31	0.27	1.45	
19	2.43	12.53	53.62	1.45	78.08	590.91	424.54	400.45	10.44	16.58	1.09	2.61	
20	1.76	2.61	23.14	9.17	56.85	360.04	291.81	371.27	8.56	28.41	23.14	1.76	
21	1.31	0.56	12.53	56.85	70.54	759.52	239.92	338.45	7.97	37.82	18.32	1.45	
22	1.00	0.39	5.11	80.07	80.07	2036.83	382.88	322.52	5.44	28.41	14.10	1.60	
23	1.00	0.27	2.80	44.40	67.00	2366.73	843.79	296.95	3.32	21.14	3.89	3.06	
24	0.92	0.12	1.09	37.82	111.16	1349.89	1087.07	209.66	1.92	19.22	0.92	7.97	
25	0.92	0.14	0.06	25.21	262.38	814.32	893.86	174.30	1.76	15.73	0.43	3.06	
26	1.00	0.09	0.12	22.09	301.91	680.43	741.60	159.38	1.60	11.78	0.31	1.31	
27	1.76	1.09	0.27	48.92	118.43	955.49	545.49	139.62	1.60	1.92	0.31	0.39	
28	1.60	36.63	1.18	30.66	131.37	1755.52	443.11	153.60	1.18	0.77	0.24	0.77	
29	1.31	134.15	0.84	23.14	123.48	1691.84	376.94	142.31	1.18	0.63		1.18	
30	1.18	86.44	0.35	29.57	88.52	1052.90	388.62	131.37	1.18	0.56		1.60	
31		53.62		68.76	68.76		474.44		1.18	0.39		1.92	
Total	38.22	819.24	2057.32	1401.20	2644.98	19029.25	14494.81	16635.12	1360.15	217.08	71.68	39.18	58808.23 Tonday
Mean	1.27	26.43	68.58	45.20	85.32	634.31	467.57	554.50	43.88	7.00	2.56	1.26	161.12 Ton/day
Max	3.32	134.15	480.97	253.25	400.45	2366.73	1087.07	1644.72	120.79	37.82	23.14	7.97	2366.73 Ton/day
Min	0.01	0.09	0.06	0.01	0.56	23.14	78.08	131.37	1.18	0.31	0.20	0.20	0.01 Ton/day

WATER YEAR : 2021

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
Drainage 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	2021		
Number of observation	28		
R-Square	0.7479		
Remarks	Continued Sediment Station		

$$QS = 0.3490 QW^{2.90450}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.05	3.45	10.80	3.45	18.45	48.82	1492.66	157.40	40.53	25.13	10.80	5.00	
2	1.05	4.44	5.00	3.45	58.15	48.82	1492.66	202.30	40.53	25.13	7.09	5.00	
3	1.05	1.37	3.45	3.45	315.66	40.53	1492.66	385.27	40.53	21.62	7.09	5.00	
4	1.05	1.05	3.45	3.45	385.27	40.53	1492.66	687.14	40.53	18.45	5.60	5.00	
5	1.05	0.91	3.45	3.45	92.95	40.53	1492.66	464.25	40.53	18.45	5.00	5.00	
6	1.37	0.78	3.45	7.09	48.82	40.53	1492.66	254.86	40.53	18.45	5.00	5.00	
7	2.25	0.78	3.45	33.23	40.53	40.53	1367.13	254.86	40.53	21.62	5.00	5.60	
8	2.25	3.45	10.80	18.45	28.99	58.15	1367.13	122.41	40.53	18.45	5.00	10.80	
9	1.63	80.16	254.86	18.45	18.45	68.57	1248.73	68.57	28.99	18.45	5.00	7.09	
10	1.63	3.92	514.67	18.45	18.45	107.01	1137.27	68.57	28.99	18.45	5.00	7.09	
11	1.63	15.60	820.88	18.45	28.99	68.57	820.88	80.16	28.99	13.06	5.00	7.09	
12	1.37	7.09	92.95	18.45	48.82	58.15	687.14	92.95	28.99	15.60	5.00	7.09	
13	1.20	5.60	92.95	10.80	21.62	58.15	626.00	92.95	28.99	18.45	5.00	7.09	
14	1.20	5.00	139.18	7.09	122.41	385.27	514.67	92.95	28.99	18.45	5.00	7.09	
15	1.20	8.82	254.86	8.82	1765.90	2587.58	423.55	92.95	28.99	58.15	5.00	5.00	
16	1.20	10.80	139.18	48.82	10065.20	626.00	315.66	68.57	33.23	227.58	5.00	5.00	
17	1.20	2.61	80.16	33.23	514.67	2234.18	315.66	68.57	33.23	28.99	4.44	5.00	
18	1.20	1.92	58.15	48.82	315.66	2234.18	7434.06	68.57	33.23	48.82	5.60	5.00	
19	1.20	1.63	33.23	68.57	227.58	1765.90	1051.79	68.57	28.99	18.45	13.06	5.00	
20	1.05	1.63	18.45	40.53	178.92	752.06	254.86	68.57	28.99	25.13	10.80	5.00	
21	0.78	1.63	18.45	40.53	157.40	112742.06	178.92	68.57	28.99	18.45	7.09	5.00	
22	0.78	1.63	13.06	28.99	122.41	39225.99	178.92	80.16	28.99	18.45	7.09	5.00	
23	0.78	1.63	10.80	18.45	92.95	1765.90	178.92	107.01	28.99	18.45	7.09	5.00	
24	0.78	1.92	8.82	18.45	92.95	1248.73	178.92	122.41	28.99	18.45	5.00	5.00	
25	0.78	3.92	8.82	18.45	92.95	1137.27	178.92	92.95	28.99	18.45	5.00	5.60	
26	1.20	5.60	7.09	18.45	80.16	3084.31	202.30	40.53	28.99	18.45	5.00	7.09	
27	2.25	15.60	8.82	25.13	80.16	13283.57	178.92	40.53	28.99	18.45	5.00	5.60	
28	2.25	122.41	18.45	33.23	80.16	6097.19	157.40	40.53	28.99	18.45	5.00	5.00	
29	3.01	40.53	5.00	18.45	92.95	2234.18	107.01	40.53	25.13	13.06		8.82	
30	3.01	28.99	3.45	18.45	58.15	1765.90	107.01	40.53	25.13	13.06		15.60	
31		5.60		18.45	40.53		80.16		25.13	13.06		18.45	
Total	42.45	390.47	2646.13	673.53	15306.26	193889.16	28247.89	4134.19	992.15	863.66	170.75	205.10	247561.74 Ton/day
Mean	1.41	12.60	88.20	21.73	493.75	6462.97	911.22	137.81	32.00	27.86	6.10	6.62	678.25 Ton/day
Max	3.01	122.41	820.88	68.57	10065.20	112742.06	7434.06	687.14	40.53	227.58	13.06	18.45	112742.06 Ton/day
Min	0.78	0.78	3.45	3.45	18.45	40.53	80.16	40.53	25.13	13.06	4.44	5.00	0.78 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	26		
R-Square	0.9532		
Remarks	Continued Sediment Station		

$$QS = 0.8050 QW^{1.40640}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.01	0.01	0.32	18.64	104.20	803.21	757.87	1126.20	3.93	1.14	2.76	0.43	
2	0.01	0.01	0.32	20.29	117.35	816.99	812.39	1192.40	3.93	2.25	1.78	0.43	
3	0.01	0.04	0.36	20.29	171.55	703.43	896.30	1463.40	3.93	2.25	1.56	0.43	
4	0.01	0.11	0.59	20.29	374.57	598.15	915.27	1531.59	3.14	2.25	3.53	0.43	
5	0.01	0.25	0.94	20.29	854.05	466.94	992.28	1658.91	2.50	2.25	6.14	0.43	
6	0.02	0.36	0.51	22.90	992.28	402.93	1136.31	1577.55	2.01	1.34	7.72	0.43	
7	0.01	0.36	0.47	31.62	816.99	311.69	1141.38	1548.78	1.34	0.47	8.36	0.43	
8	0.02	0.39	0.47	30.61	684.27	293.23	1006.91	1452.12	2.01	1.34	2.25	0.29	
9	0.02	0.47	0.21	28.62	402.93	247.29	877.45	1324.26	1.14	3.53	0.76	0.25	
10	0.02	0.55	0.21	28.62	242.33	213.18	803.21	1218.15	1.14	3.53	0.59	0.25	
11	0.02	0.76	0.22	38.94	237.40	194.35	635.18	1091.01	0.76	1.34	0.59	0.25	
12	0.02	1.56	0.51	52.64	394.36	180.57	587.17	968.02	0.59	1.14	0.59	0.25	
13	0.02	1.56	4.78	36.81	590.82	171.55	519.00	849.39	0.59	0.59	0.59	0.25	
14	0.02	1.56	74.87	24.76	738.29	206.06	383.02	730.50	0.55	0.51	0.59	0.25	
15	0.02	1.56	443.19	21.13	803.21	338.62	314.35	631.45	0.55	0.43	0.59	0.25	
16	0.01	1.56	826.21	16.25	972.86	627.72	303.74	572.61	0.55	0.36	0.55	0.22	
17	0.01	1.56	565.38	17.83	858.71	734.40	306.38	433.13	2.25	0.32	0.51	0.22	
18	0.01	1.56	249.78	17.03	657.71	718.86	333.18	272.53	0.51	0.32	0.29	0.22	
19	0.01	1.56	100.98	16.25	533.15	661.48	335.90	152.11	0.51	1.14	0.21	0.22	
20	0.01	1.56	30.61	29.61	554.57	590.82	411.55	105.81	0.51	7.10	0.21	0.22	
21	0.01	1.34	22.90	36.81	547.40	572.61	288.01	94.63	0.51	11.76	0.21	0.22	
22	0.01	1.14	19.46	44.47	543.83	601.82	355.08	76.34	0.51	11.05	0.21	0.21	
23	0.01	1.14	17.03	50.27	536.70	665.26	388.68	63.67	0.47	9.68	0.21	0.21	
24	0.01	1.14	15.47	44.47	561.77	699.58	816.99	64.96	0.47	9.01	0.51	0.21	
25	0.01	0.51	17.03	45.63	882.15	657.71	1197.54	66.21	0.43	9.01	0.47	0.21	
26	0.01	0.47	16.25	45.63	1051.19	612.89	1182.15	66.21	0.43	9.01	0.43	0.21	
27	0.00	0.55	13.95	80.81	1006.91	609.19	1096.02	64.96	0.43	9.01	0.43	0.21	
28	0.00	0.59	13.21	249.78	953.55	665.26	1056.15	63.67	0.43	9.01	0.43	0.21	
29	0.00	0.76	12.48	230.05	910.52	753.95	1002.03	63.67	0.43	6.61		0.51	
30	0.00	0.94	12.48	157.54	830.83	730.50	963.19	63.67	0.43	4.78		2.76	
31		0.76		137.89	803.21		1066.08		0.43	3.53		3.93	
Total	0.35	26.69	2461.19	1636.77	19729.66	15850.24	22880.76	20587.91	37.41	126.06	43.07	15.04	83395.15 Tonday
Mean	0.01	0.86	82.04	52.80	636.44	528.34	738.09	686.26	1.21	4.07	1.54	0.49	228.48 Ton/day
Max	0.02	1.56	826.21	249.78	1051.19	816.99	1197.54	1658.91	3.93	11.76	8.36	3.93	1658.91 Ton/day
Min	0.00	0.01	0.21	16.25	104.20	171.55	288.01	63.67	0.43	0.32	0.21	0.21	0.00 Ton/day

WATER YEAR : 2021

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
Drainage 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	2021		
Number of observation	32		
R-Square	0.8733		
Remarks	Continued Sediment Station		

$$QS = 1.7721 QW^{1.88410}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.52	0.52	1.39	12.83	54.80	131.89	212.89	2217.41	143.47	14.76	6.12	0.68	
2	0.44	0.68	1.19	6.67	59.57	151.99	207.87	305.37	135.70	14.76	5.59	0.68	
3	0.32	0.68	0.83	5.09	90.18	233.56	197.99	267.99	135.70	13.78	5.09	0.68	
4	0.32	0.68	1.19	4.15	223.11	267.99	183.59	747.24	131.89	13.78	5.09	0.68	
5	0.44	0.68	1.39	3.30	445.79	90.18	160.73	619.10	131.89	12.83	6.12	0.68	
6	0.68	0.68	0.83	10.19	93.37	110.11	135.70	419.36	128.13	11.92	10.19	0.59	
7	1.19	0.68	0.68	31.94	80.92	156.33	120.77	298.68	124.43	11.92	6.67	0.68	
8	1.39	0.68	1.39	23.02	59.57	87.04	99.91	238.86	124.43	10.19	6.12	0.68	
9	1.39	0.68	83.95	113.61	27.19	80.92	90.18	228.31	120.77	10.19	3.71	0.59	
10	1.39	0.68	99.91	48.00	35.66	75.00	202.90	223.11	120.77	11.04	2.91	0.59	
11	1.39	0.68	3.71	27.19	1771.37	69.67	428.09	217.98	117.16	11.92	2.34	0.52	
12	1.39	0.83	4.15	14.76	861.51	64.53	151.99	217.98	103.26	12.83	2.34	0.52	
13	1.39	1.61	7.83	7.24	212.89	59.57	131.89	212.89	67.08	13.78	2.34	0.52	
14	1.39	0.68	64.53	4.15	559.03	83.95	113.61	212.89	48.00	14.76	1.84	0.52	
15	1.39	0.59	193.13	8.58	2596.62	120.77	124.43	207.87	39.58	15.76	1.84	0.44	
16	1.00	0.59	48.00	24.37	8871.89	244.56	151.99	178.90	33.78	96.61	1.61	0.44	
17	0.68	0.59	27.19	4.15	1500.23	559.03	131.89	147.70	30.14	50.22	1.61	0.38	
18	0.68	2.34	14.76	3.30	940.42	183.59	113.61	143.47	27.19	30.14	2.08	0.38	
19	0.83	1.19	6.67	16.80	582.61	361.47	103.26	143.47	25.76	27.19	4.60	0.38	
20	1.19	1.39	3.30	117.16	495.26	1928.13	90.18	128.13	24.37	27.19	4.15	0.32	
21	1.19	0.68	2.34	27.19	393.69	419.36	110.11	117.16	23.02	25.76	3.71	0.32	
22	1.39	0.68	2.08	238.86	292.41	548.15	606.65	113.61	20.42	24.37	2.91	0.32	
23	1.39	0.59	1.61	402.17	262.04	2036.10	4403.57	113.61	20.42	23.02	3.71	0.52	
24	1.39	0.59	1.19	217.98	212.89	402.17	733.64	106.66	20.42	19.18	2.91	0.52	
25	1.39	0.59	11.92	131.89	174.28	256.15	385.31	113.61	20.42	16.80	2.34	0.52	
26	12.83	0.59	110.11	117.16	113.61	286.21	228.31	120.77	19.18	14.76	2.34	0.52	
27	2.08	0.59	48.00	151.99	188.33	250.32	147.70	128.13	17.97	11.92	1.84	0.59	
28	0.59	0.59	15.76	77.93	445.79	217.98	128.13	131.89	16.80	9.37	1.39	0.68	
29	0.52	0.83	7.83	57.16	267.99	202.90	106.66	135.70	14.76	7.83		0.68	
30	0.59	0.59	8.58	57.16	165.19	178.90	106.66	143.47	14.76	6.67		0.83	
31		0.59		52.49	99.91		760.39		14.76	6.12		0.83	
Total	42.77	24.04	775.44	2018.48	22178.12	9858.52	10870.60	8601.32	2016.43	591.37	103.51	17.28	57097.88 Tonday
Mean	1.43	0.78	25.85	65.11	715.42	328.62	350.66	286.71	65.05	19.08	3.70	0.56	156.43 Ton/day
Max	12.83	2.34	193.13	402.17	8871.89	2036.10	4403.57	2217.41	143.47	96.61	10.19	0.83	8871.89 Ton/day
Min	0.32	0.52	0.68	3.30	27.19	59.57	90.18	106.66	14.76	6.12	1.39	0.32	0.32 Ton/day

WATER YEAR : 2021**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.		
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	2021		
Number of observation	24		
R-Square	0.7257		
Remarks	Continued Sediment Station		

$$QS = 5.6360 QW^{1.03550}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	36.04	13.95	55.22	397.81	98.60	0.00	0.00	0.00	0.00	
2	0.00	50.93	21.23	24.91	13.95	53.07	331.83	85.50	0.00	0.00	0.00	0.00	
3	0.00	30.46	44.53	17.58	12.15	48.79	261.64	72.47	6.81	0.00	0.00	0.00	
4	0.00	40.27	72.47	10.36	12.15	44.53	189.46	57.36	42.40	0.00	0.00	0.00	
5	0.00	44.53	98.60	1.62	12.15	48.79	142.67	44.53	61.67	0.00	0.00	0.00	
6	0.00	34.17	127.19	0.00	10.36	57.36	111.76	40.27	59.51	0.00	0.00	0.00	
7	0.00	15.76	155.99	0.00	10.36	65.98	87.68	34.17	57.36	0.00	0.00	0.00	
8	0.00	3.32	182.75	3.32	10.36	72.47	70.30	24.91	57.36	0.00	0.00	0.00	
9	0.00	0.00	211.89	107.37	8.58	129.39	63.82	17.58	55.22	0.00	0.00	0.00	
10	0.00	0.00	254.72	218.63	8.58	327.14	83.32	13.95	55.22	0.00	0.00	0.00	
11	0.00	0.00	348.29	247.94	8.58	428.58	107.37	10.36	55.22	0.00	0.00	0.00	
12	0.00	0.00	327.14	263.97	6.81	345.94	129.39	6.81	53.07	0.00	0.00	0.00	
13	0.00	0.00	280.30	291.99	6.81	207.40	205.15	6.81	53.07	0.00	0.00	0.00	
14	0.00	0.00	232.14	374.20	6.81	254.72	395.45	6.81	53.07	0.00	0.00	0.00	
15	0.00	0.00	196.18	409.64	5.05	402.54	518.25	6.81	50.93	0.00	0.00	0.00	
16	0.00	0.00	182.75	355.35	3.32	569.44	464.17	6.81	50.93	0.00	0.00	0.00	
17	0.00	0.00	173.82	320.10	0.00	631.08	376.56	5.05	50.93	0.00	0.00	0.00	
18	0.00	0.00	164.90	209.64	0.00	579.70	315.41	0.00	48.79	0.00	0.00	0.00	
19	0.00	0.00	155.99	133.82	0.00	435.69	214.14	0.00	48.79	0.00	0.00	0.00	
20	0.00	0.00	144.89	100.79	0.00	348.29	147.11	0.00	42.40	0.00	0.00	0.00	
21	0.00	0.00	136.03	81.15	0.00	404.91	167.13	0.00	38.15	0.00	0.00	0.00	
22	0.00	0.00	127.19	65.98	0.00	485.58	343.59	0.00	34.17	0.00	0.00	0.00	
23	0.00	0.00	118.36	57.36	0.00	538.71	538.71	0.00	30.46	0.00	0.00	0.00	
24	0.00	0.00	107.37	85.50	0.00	556.66	454.67	0.00	26.75	0.00	0.00	0.00	
25	0.00	0.00	98.60	147.11	0.00	533.59	294.33	0.00	26.75	0.00	0.00	0.00	
26	0.00	1.62	89.86	127.19	0.00	500.41	209.64	0.00	26.75	0.00	0.00	0.00	
27	0.00	6.81	81.15	107.37	0.00	556.66	158.22	0.00	24.91	0.00	0.00	0.00	
28	0.00	12.15	85.50	92.04	0.00	554.07	124.98	0.00	21.23	0.00	0.00	0.00	
29	0.00	15.76	122.77	63.82	3.32	538.71	122.77	0.00	12.15	0.00		0.00	
30	0.00	12.15	68.14	36.04	17.58	466.55	120.57	0.00	0.00	0.00		0.00	
31		0.00		19.40	36.04		113.96		0.00	0.00		0.00	
Total	0.00	267.93	4410.74	4010.23	206.91	10241.97	7261.86	538.80	1144.07	0.00	0.00	0.00	28082.51 Tonday
Mean	0.00	8.64	147.02	129.36	6.67	341.40	234.25	17.96	36.91	0.00	0.00	0.00	76.94 Ton/day
Max	0.00	50.93	348.29	409.64	36.04	631.08	538.71	98.60	61.67	0.00	0.00	0.00	631.08 Ton/day
Min	0.00	0.00	0.00	0.00	0.00	44.53	63.82	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	20		
R-Square	0.8543		
Remarks	Continued Sediment Station		

$$QS = 4.7996 QW^{1.35600}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	25.23	81.87	62.02	73.75	209.56	494.21	572.65	65.87	35.79	19.39	11.46	12.29	
2	25.23	90.20	58.23	73.75	297.94	440.10	665.87	29.34	31.45	17.54	11.46	13.98	
3	25.23	86.01	52.05	73.75	267.59	440.10	665.87	12.29	29.34	17.54	12.29	13.98	
4	31.45	69.78	52.05	69.78	188.79	367.21	630.48	29.34	27.26	19.39	13.98	9.86	
5	42.56	65.87	49.63	65.87	168.61	297.94	527.46	27.26	27.26	17.54	13.98	9.08	
6	35.79	65.87	47.24	65.87	162.02	952.99	347.03	25.23	23.24	17.54	13.98	8.32	
7	38.01	62.02	54.50	69.78	149.04	992.36	450.79	15.73	11.46	17.54	12.29	8.32	
8	35.79	58.23	58.23	81.87	162.02	713.84	461.55	27.26	38.01	17.54	13.98	29.34	
9	31.45	54.50	42.56	81.87	149.04	2063.33	367.21	90.20	73.75	17.54	13.98	58.23	
10	31.45	54.50	54.50	123.97	136.36	8510.95	418.92	58.23	69.78	15.73	13.98	27.26	
11	31.45	52.05	69.78	202.57	130.13	15978.31	494.21	42.56	49.63	15.73	13.98	19.39	
12	29.34	52.05	69.78	317.34	130.13	6210.10	2506.48	31.45	44.89	15.73	17.54	23.24	
13	29.34	52.05	58.23	260.13	111.91	1422.17	1293.27	31.45	40.27	13.98	13.98	13.98	
14	27.26	49.63	62.02	238.11	117.90	2988.90	538.67	29.34	35.79	11.46	15.73	9.86	
15	27.26	49.63	130.13	202.57	111.91	7560.74	195.65	27.26	33.60	11.46	15.73	8.32	
16	29.34	49.63	130.13	182.00	117.90	8697.02	2063.33	27.26	33.60	11.46	15.73	8.32	
17	35.79	49.63	142.66	162.02	117.90	7488.89	11083.55	25.23	29.34	11.46	17.54	9.86	
18	35.79	52.05	182.00	142.66	65.87	5474.85	4460.59	23.24	27.26	11.46	15.73	11.46	
19	52.05	49.63	111.91	130.13	52.05	1436.69	2523.32	21.29	27.26	11.46	15.73	8.32	
20	42.56	52.05	94.44	123.97	52.05	1032.15	952.99	31.45	27.26	11.46	15.73	6.85	
21	38.01	54.50	111.91	123.97	49.63	837.45	418.92	155.49	27.26	12.29	17.54	9.86	
22	35.79	52.05	77.78	142.66	54.50	4054.57	2339.72	86.01	27.26	12.29	15.73	9.86	
23	33.60	49.63	69.78	216.61	54.50	7417.21	3485.39	69.78	25.23	12.29	15.73	27.26	
24	33.60	54.50	73.75	357.08	73.75	8884.15	1465.84	65.87	21.29	11.46	13.98	23.24	
25	31.45	65.87	94.44	1005.58	58.23	5649.08	595.61	58.23	27.26	11.46	13.98	19.39	
26	29.34	77.78	77.78	1539.39	182.00	15487.77	245.39	52.05	25.23	11.46	11.46	15.73	
27	31.45	65.87	65.87	1378.85	357.08	15634.51	117.90	47.24	23.24	11.46	13.98	13.98	
28	40.27	62.02	69.78	642.22	290.27	6433.19	44.89	42.56	23.24	11.46	13.98	11.46	
29	47.24	69.78	73.75	387.68	290.27	2389.43	81.87	38.01	21.29	11.46		11.46	
30	62.02	65.87	69.78	297.94	209.56	1072.34	377.41	35.79	21.29	11.46		13.98	
31		62.02		275.10	282.66		252.73		21.29	11.46		13.98	
Total	1045.14	1877.14	2366.71	9108.84	4801.17	141422.55	40645.56	1322.31	980.12	431.50	405.18	480.46	204886.68 Tonday
Mean	34.84	60.55	78.89	293.83	154.88	4714.09	1311.15	44.08	31.62	13.92	14.47	15.50	561.33 Ton/day
Max	62.02	90.20	182.00	1539.39	357.08	15978.31	11083.55	155.49	73.75	19.39	17.54	58.23	15978.31 Ton/day
Min	25.23	49.63	42.56	65.87	49.63	297.94	44.89	12.29	11.46	11.46	11.46	6.85	6.85 Ton/day

WATER YEAR : 2021

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.		
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	2021		
Number of observation	20		
R-Square	0.7586		
Remarks	Continued Sediment Station		

$$QS = 2.9953 QW^{1.33080}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	8.04	4.25	0.35	3.82	27.56	97.54	14.67	0.00	0.00	0.00	0.00	
2	0.00	6.07	3.00	0.14	3.00	22.17	131.52	11.79	0.00	0.00	0.00	0.00	
3	0.00	3.82	2.23	0.14	1.19	14.67	125.43	9.07	0.00	0.00	0.00	0.00	
4	0.00	1.86	1.86	0.14	1.86	12.92	104.71	7.04	0.00	0.00	0.00	0.00	
5	0.00	0.88	1.52	0.14	0.88	11.79	78.17	6.07	0.00	0.00	0.00	0.00	
6	0.00	0.60	2.60	0.60	0.88	11.23	57.42	4.25	0.00	0.00	0.00	0.00	
7	0.00	0.60	4.69	1.19	0.60	9.60	41.82	3.40	0.00	0.00	0.00	0.00	
8	0.00	0.60	5.60	1.86	0.14	9.60	28.60	2.60	0.00	0.00	0.00	0.00	
9	0.00	0.35	4.25	4.25	0.14	11.23	20.87	2.23	0.00	0.00	0.00	0.00	
10	0.00	0.35	4.69	4.25	0.14	13.50	17.70	1.52	0.00	0.00	0.00	0.00	
11	0.00	0.14	10.68	9.07	0.14	12.92	16.47	0.88	0.00	0.00	0.00	0.00	
12	0.00	0.14	11.23	10.68	0.35	12.92	18.32	1.19	0.00	0.00	0.00	0.00	
13	0.00	0.00	10.14	10.14	0.35	10.14	17.08	0.88	0.00	0.00	0.00	0.00	
14	0.00	0.00	8.55	6.55	0.14	14.67	17.08	0.60	0.00	0.00	0.00	0.00	
15	0.00	0.00	5.14	5.60	0.14	18.95	19.59	0.35	0.00	0.00	0.00	0.00	
16	0.00	0.00	3.40	9.07	0.00	24.16	24.83	0.14	0.00	0.00	0.00	0.00	
17	0.00	0.00	7.04	9.07	0.00	24.16	37.28	0.35	0.00	0.00	0.00	0.00	
18	0.00	0.00	5.14	8.04	0.00	22.17	38.40	0.14	0.00	0.00	0.00	0.00	
19	7.53	0.00	3.40	6.55	0.00	18.95	31.79	0.14	0.00	0.00	0.00	0.00	
20	7.53	0.00	1.52	5.14	0.00	15.87	23.49	0.14	0.00	0.00	0.00	0.00	
21	6.07	0.00	0.60	4.69	0.00	14.08	22.17	0.14	0.00	0.00	0.00	0.00	
22	4.69	0.00	0.14	4.69	0.00	18.95	26.53	0.00	0.00	0.00	0.00	0.00	
23	3.00	0.00	0.14	6.07	0.00	21.52	33.96	0.00	0.00	0.00	0.00	0.00	
24	1.19	0.00	0.35	7.53	0.00	24.16	32.87	0.00	0.00	0.00	0.00	0.00	
25	1.19	0.35	0.60	12.35	0.00	35.06	28.60	0.00	0.00	0.00	0.00	0.00	
26	5.14	0.88	0.60	14.08	0.00	75.49	24.16	0.00	0.00	0.00	0.00	0.00	
27	22.17	1.52	0.60	12.35	0.00	93.30	20.87	0.00	0.00	0.00	0.00	0.00	
28	20.22	3.00	0.88	9.60	0.00	143.91	17.08	0.00	0.00	0.00	0.00	0.00	
29	14.67	5.60	0.60	7.04	0.00	133.06	18.32	0.00	0.00	0.00		0.00	
30	10.68	6.55	0.60	5.14	0.14	109.07	20.22	0.00	0.00	0.00		0.00	
31		6.55		4.25	0.88		17.70		0.00	0.00		0.00	
Total	104.08	47.90	106.04	180.76	14.79	987.78	1210.59	67.59	0.00	0.00	0.00	0.00	2719.53 Tonday
Mean	3.47	1.55	3.53	5.83	0.48	32.93	39.05	2.25	0.00	0.00	0.00	0.00	7.45 Ton/day
Max	22.17	8.04	11.23	14.08	3.82	143.91	131.52	14.67	0.00	0.00	0.00	0.00	143.91 Ton/day
Min	0.00	0.00	0.14	0.14	0.00	9.60	16.47	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	28		
R-Square	0.8957		
Remarks	Continued Sediment Station		

$$QS = 0.4906 QW^{1.71940}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	10.08	278.81	29.82	14.62	81.78	426.23	1550.41	420.52	10.68	7.28	0.67	0.67	
2	8.91	298.26	23.97	16.77	90.57	381.46	1256.16	344.01	9.49	5.32	0.49	0.33	
3	8.91	232.61	16.77	13.25	90.57	443.55	1222.60	250.67	11.94	9.49	4.44	0.67	
4	17.52	151.00	13.25	13.25	71.31	303.21	957.94	232.61	9.49	6.77	7.81	6.27	
5	19.84	79.64	10.08	13.25	52.22	241.57	1081.61	198.21	7.81	5.79	0.20	5.32	
6	20.64	55.84	10.08	11.30	48.71	455.26	879.01	158.49	8.91	5.32	2.54	1.62	
7	16.77	45.29	10.08	10.68	43.62	645.87	747.79	140.04	5.79	3.24	6.27	1.10	
8	19.05	32.70	13.92	13.25	46.99	559.86	722.62	119.18	2.88	1.62	3.62	67.30	
9	19.05	23.97	14.62	55.84	43.62	1233.75	618.86	95.11	14.62	3.62	3.24	71.31	
10	17.52	23.12	25.71	143.66	38.78	7994.39	485.08	73.36	18.28	6.77	4.87	21.45	
11	16.77	22.28	45.29	136.47	34.18	17115.84	278.81	54.02	15.32	1.35	5.32	15.32	
12	16.04	18.28	69.29	241.57	32.70	15027.73	3722.59	38.78	14.62	0.00	2.54	15.32	
13	15.32	16.77	48.71	237.07	31.24	3887.85	5154.12	35.68	12.58	0.33	0.87	10.68	
14	15.32	20.64	46.99	202.38	31.24	4326.49	2865.61	34.18	12.58	0.33	0.67	5.32	
15	14.62	23.12	65.33	210.84	31.24	14671.09	1394.17	34.18	11.30	1.10	2.21	2.88	
16	15.32	22.28	65.33	359.86	31.24	21298.24	1538.14	32.70	10.08	4.02	8.91	2.88	
17	28.42	23.12	43.62	140.04	31.24	20052.08	8358.92	31.24	8.91	1.90	0.87	6.27	
18	23.12	20.64	59.56	86.13	21.45	16801.66	7251.13	29.82	8.91	2.21	0.10	5.79	
19	29.82	19.05	55.84	65.33	11.30	5047.37	3816.66	27.05	22.28	0.49	0.49	3.24	
20	79.64	19.84	21.45	59.56	10.68	1658.06	1773.66	24.83	7.81	0.33	3.24	2.21	
21	112.54	21.45	25.71	40.37	11.30	1233.75	859.73	23.97	11.94	0.10	4.02	1.90	
22	79.64	20.64	22.28	43.62	12.58	4080.38	3514.55	23.12	8.91	1.10	6.27	4.44	
23	63.38	19.84	13.92	55.84	13.92	8506.64	7113.01	21.45	2.88	2.21	21.45	11.30	
24	38.78	23.12	16.04	102.88	14.62	13363.98	2992.25	20.64	0.00	4.87	35.68	37.22	
25	23.12	59.56	16.04	246.10	20.64	12060.72	1301.49	19.05	12.58	4.44	29.82	27.05	
26	17.52	198.21	19.05	729.78	35.68	16801.66	701.33	17.52	7.28	5.32	13.92	20.64	
27	17.52	73.36	14.62	680.31	132.93	24870.69	491.14	16.77	10.68	2.88	6.77	16.77	
28	19.84	38.78	13.92	386.95	162.30	20594.32	354.55	16.04	8.91	0.00	1.62	10.68	
29	34.18	31.24	14.62	166.14	143.66	10331.17	338.79	14.62	7.81	12.58		8.91	
30	129.44	57.69	13.92	115.84	147.31	4351.44	566.29	12.58	7.81	6.27		11.30	
31		45.29		95.11	259.91		579.25		7.81	0.33		15.32	
Total	948.64	2016.44	859.83	4708.06	1829.53	248766.31	64488.27	2560.44	310.89	107.38	178.92	411.48	327186.19 Tonday
Mean	31.62	65.05	28.66	151.87	59.02	8292.21	2080.27	85.35	10.03	3.46	6.39	13.27	896.40 Ton/day
Max	129.44	298.26	69.29	729.78	259.91	24870.69	8358.92	420.52	22.28	12.58	35.68	71.31	24870.69 Ton/day
Min	8.91	16.77	10.08	10.68	10.68	241.57	278.81	12.58	0.00	0.00	0.10	0.33	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	20		
R-Square	0.8332		
Remarks	Continued Sediment Station		

$$QS = 1.5112 QW^{1.58270}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.06	9.06	9.52	22.44	91.87	91.87	539.36	71.14	4.17	4.53	2.29	2.02	
2	1.06	12.50	9.52	23.75	91.87	94.05	484.23	61.51	3.50	4.53	2.29	1.51	
3	1.06	14.10	9.52	23.75	89.71	91.87	437.09	45.54	3.50	4.53	2.57	1.06	
4	1.51	13.03	9.52	23.75	91.87	31.40	490.25	32.87	2.87	4.53	2.87	1.06	
5	1.28	11.98	9.52	23.09	91.87	136.39	425.58	37.44	2.87	4.89	2.57	0.76	
6	1.17	11.98	10.00	23.09	89.71	539.36	402.91	21.17	2.87	4.89	2.57	1.06	
7	1.28	11.98	10.00	19.92	87.57	234.15	402.91	19.30	4.53	4.53	2.57	1.06	
8	1.06	11.98	1.51	29.95	85.45	173.17	369.77	16.91	14.65	4.53	2.02	10.98	
9	1.17	11.98	0.86	27.13	81.26	1911.64	271.95	14.65	10.98	4.17	2.57	3.18	
10	1.17	11.48	1.17	28.53	79.20	3640.07	45.54	10.48	6.44	4.17	2.29	0.76	
11	1.17	11.48	1.39	35.90	81.26	4516.19	29.95	7.28	4.53	4.17	2.29	0.59	
12	1.06	11.48	1.51	32.87	75.13	1246.29	19.30	9.06	9.06	3.83	2.87	0.59	
13	1.06	11.48	4.17	39.02	77.15	577.31	21.80	9.52	5.65	1.51	2.57	0.35	
14	1.17	11.98	4.17	42.23	75.13	944.11	21.80	9.52	6.86	1.51	3.18	0.22	
15	1.06	10.48	6.44	50.67	73.12	1373.27	18.69	9.06	6.04	1.51	2.29	0.12	
16	1.06	10.48	23.75	48.93	73.12	964.66	933.90	8.60	6.44	1.51	2.87	0.04	
17	1.06	9.52	25.08	47.22	57.81	2367.66	2854.77	7.71	6.04	1.51	2.57	0.35	
18	1.28	10.00	25.08	47.22	18.69	1145.81	985.38	7.28	6.04	1.39	2.57	0.12	
19	1.39	10.00	25.76	43.87	18.69	583.73	717.46	6.86	6.04	1.51	2.57	0.76	
20	1.39	10.00	25.76	45.54	18.09	570.92	337.69	6.86	6.04	1.51	3.18	1.17	
21	1.28	10.00	25.08	42.23	17.50	590.17	173.17	6.44	6.04	1.51	2.87	0.96	
22	1.28	10.00	24.41	43.87	18.09	1871.98	1991.87	5.65	4.53	1.76	2.87	1.28	
23	1.17	10.48	23.75	48.93	18.09	2631.24	1006.25	5.65	1.06	1.76	2.57	2.87	
24	1.17	10.48	23.75	67.23	12.50	1885.17	472.28	4.89	6.04	1.51	1.17	2.29	
25	1.17	10.98	23.75	1246.29	2.87	2353.32	216.04	4.89	3.83	1.51	1.06	1.51	
26	1.39	10.00	24.41	954.37	4.17	7027.45	133.89	4.89	5.26	1.51	2.57	1.17	
27	6.04	10.00	23.75	551.90	4.89	3874.05	77.15	4.53	4.53	1.51	2.02	1.06	
28	4.89	10.00	22.44	181.46	6.44	1516.89	57.81	4.53	4.17	2.57	2.02	1.06	
29	6.86	10.48	22.44	114.50	6.44	759.53	112.16	4.17	4.17	2.87		1.51	
30	4.53	10.00	23.75	96.25	11.48	539.36	189.90	4.17	4.53	2.87		5.26	
31		10.00		94.05	40.61		107.52		4.53	2.29		10.98	
Total	53.30	339.39	451.78	4119.95	1591.65	44283.08	14348.37	462.57	167.81	86.93	68.72	57.71	66031.26 Tonday
Mean	1.78	10.95	15.06	132.90	51.34	1476.10	462.85	15.42	5.41	2.80	2.45	1.86	180.91 Ton/day
Max	6.86	14.10	25.76	1246.29	91.87	7027.45	2854.77	71.14	14.65	4.89	3.18	10.98	7027.45 Ton/day
Min	1.06	9.06	0.86	19.92	2.87	31.40	18.69	4.17	1.06	1.39	1.06	0.04	0.04 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	20		
R-Square	0.7418		
Remarks	Continued Sediment Station		

$$QS = 0.3098 QW^{1.63220}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	35.93	20.90	7.77	90.49	435.12	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	38.52	16.45	9.42	74.66	342.24	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	38.52	15.75	14.38	61.60	228.82	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	33.42	15.06	17.89	50.99	127.63	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	28.61	13.72	24.09	42.53	71.31	0.42	0.00	0.00	0.00	
6	0.00	0.00	0.00	30.98	13.07	33.42	34.67	45.28	8.31	0.00	0.00	0.00	
7	0.00	0.00	0.00	38.52	11.80	35.93	27.45	32.19	2.51	0.00	0.00	0.00	
8	0.00	0.00	0.00	41.17	10.58	38.52	21.94	23.00	0.26	0.00	0.00	0.00	
9	0.00	0.00	0.00	37.22	9.42	56.96	17.89	17.16	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	32.19	8.85	85.08	15.75	13.72	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	25.19	7.77	111.39	19.87	12.43	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	19.87	7.25	136.07	25.19	10.58	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	16.45	7.77	146.91	29.78	8.85	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	14.38	11.18	171.87	34.67	7.77	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	13.72	17.16	200.80	39.84	6.25	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	13.07	23.00	242.03	43.90	5.31	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	13.07	24.09	294.77	50.99	4.43	0.00	0.00	0.00	0.00	
18	0.00	0.00	4.43	13.07	20.90	354.54	61.60	3.61	0.00	0.00	0.00	0.00	
19	0.00	0.00	45.28	12.43	17.89	392.42	69.65	3.22	0.00	0.00	0.00	0.00	
20	0.00	0.00	71.31	13.72	15.75	408.64	76.36	3.22	0.00	0.00	0.00	0.00	
21	0.00	0.00	79.81	15.75	14.38	411.92	74.66	2.86	0.00	0.00	0.00	0.00	
22	0.00	0.00	69.65	17.89	12.43	398.88	85.08	1.86	0.00	0.00	0.00	0.00	
23	0.00	0.00	53.94	28.61	11.18	379.63	178.94	1.57	0.00	0.00	0.00	0.00	
24	0.00	0.00	38.52	49.54	9.42	351.45	382.81	1.29	0.00	0.00	0.00	0.00	
25	0.00	0.00	27.45	71.31	8.31	312.25	532.78	1.04	0.00	0.00	0.00	0.00	
26	0.00	0.00	24.09	76.36	8.85	266.51	640.84	0.60	0.00	0.00	0.00	0.00	
27	0.00	0.00	21.94	64.78	8.31	218.47	690.20	0.42	0.00	0.00	0.00	0.00	
28	0.00	0.00	23.00	55.44	8.31	169.54	700.24	0.26	0.00	0.00	0.00	0.00	
29	0.00	0.00	29.78	43.90	7.77	136.07	665.34	0.04	0.00	0.00		0.00	
30	0.00	0.00	32.19	33.42	7.77	109.42	607.13	0.00	0.00	0.00		0.00	
31		0.00		25.19	7.25		519.26		0.00	0.00		0.00	
Total	0.00	0.00	521.39	992.24	392.34	5537.04	5967.10	1412.08	11.50	0.00	0.00	0.00	14833.69 Tonday
Mean	0.00	0.00	17.38	32.01	12.66	184.57	192.49	47.07	0.37	0.00	0.00	0.00	40.64 Ton/day
Max	0.00	0.00	79.81	76.36	24.09	411.92	700.24	435.12	8.31	0.00	0.00	0.00	700.24 Ton/day
Min	0.00	0.00	0.00	12.43	7.25	7.77	15.75	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021

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
Drainage 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	2021		
Number of observation	24		
R-Square	0.8306		
Remarks	Continued Sediment Station		

$$QS = 1.1486 QW^{1.64590}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	17.32	19.00	59.46	92.62	17.32	99.06	19.00	4.85	4.20	0.00	0.00	
2	0.00	12.67	10.34	35.20	87.91	17.32	169.66	19.00	4.85	2.24	0.03	0.37	
3	0.00	17.32	7.79	20.73	81.77	15.71	107.34	19.00	3.30	0.50	0.37	0.50	
4	0.00	20.73	3.59	17.32	75.81	15.71	84.82	17.32	2.24	0.37	0.37	1.34	
5	0.00	35.20	2.49	14.16	72.90	24.38	63.97	17.32	2.00	0.37	0.64	1.34	
6	0.00	26.29	2.75	19.00	68.61	220.63	55.07	14.16	2.24	5.54	1.34	0.37	
7	0.00	15.71	20.73	17.32	55.07	89.47	77.28	11.25	1.55	4.20	2.00	0.00	
8	0.00	19.00	59.46	11.25	46.71	42.73	75.81	8.61	2.00	2.49	0.80	0.00	
9	0.00	10.34	267.03	31.65	42.73	35.20	75.81	7.01	2.00	1.34	0.08	1.55	
10	0.00	7.01	497.33	449.54	42.73	28.26	78.77	7.01	2.49	0.50	0.08	0.25	
11	0.00	12.67	492.83	529.25	20.73	31.65	614.86	7.01	2.24	1.55	0.00	0.37	
12	0.00	19.00	373.57	441.70	8.61	78.77	418.49	5.54	2.24	0.37	0.00	0.37	
13	0.00	22.53	773.84	433.91	22.53	172.35	203.06	6.25	2.00	0.64	0.25	0.50	
14	0.00	70.03	341.20	403.30	373.57	557.22	254.32	6.25	2.00	1.77	2.49	0.64	
15	0.00	63.97	175.06	395.78	92.62	806.25	883.88	4.85	3.59	3.30	2.49	1.34	
16	0.00	42.73	107.34	270.25	24.38	624.68	664.57	6.25	6.25	11.25	2.24	2.00	
17	0.00	59.46	94.22	260.65	19.00	380.92	475.01	4.85	4.20	7.01	1.55	3.30	
18	0.00	46.71	78.77	159.05	9.46	159.05	348.30	4.85	2.49	4.20	1.34	7.01	
19	0.00	35.20	68.61	351.86	19.00	97.43	188.86	4.20	2.49	2.24	0.80	3.30	
20	0.00	26.29	46.71	156.44	20.73	92.62	109.03	5.54	2.24	0.50	0.37	2.24	
21	0.00	20.73	50.82	122.90	100.70	122.90	83.29	7.01	1.55	0.50	0.16	2.00	
22	0.00	17.32	71.46	105.67	70.03	124.68	78.77	7.01	1.77	1.15	0.08	1.77	
23	0.00	17.32	77.28	110.73	31.65	124.68	75.81	7.01	3.02	0.37	0.08	2.49	
24	0.00	15.71	77.28	211.78	26.29	128.27	68.61	4.85	7.01	0.37	0.00	6.25	
25	0.00	19.00	87.91	1171.35	19.00	131.90	55.07	4.85	7.01	0.64	0.03	4.20	
26	1.55	24.38	80.26	1040.28	17.32	306.61	42.73	5.54	8.61	1.15	0.00	3.02	
27	130.08	28.26	74.35	414.67	17.32	244.95	26.29	7.01	15.71	1.15	0.00	2.00	
28	183.29	38.90	72.90	257.48	22.53	138.65	20.73	6.25	6.25	7.79	0.00	0.97	
29	50.82	38.90	74.35	146.17	17.32	84.82	19.00	3.59	7.01	4.20		0.64	
30	17.32	28.26	72.90	115.88	31.65	28.26	19.00	4.85	7.01	1.15		0.00	
31		20.73		102.34	20.73		17.32		5.54	0.03		0.00	
Total	383.06	849.69	4182.17	7877.07	1652.03	4943.39	5554.59	253.24	127.75	73.08	17.59	50.13	25963.79 Tonday
Mean	12.77	27.41	139.41	254.10	53.29	164.78	179.18	8.44	4.12	2.36	0.63	1.62	71.13 Ton/day
Max	183.29	70.03	773.84	1171.35	373.57	806.25	883.88	19.00	15.71	11.25	2.49	7.01	1171.35 Ton/day
Min	0.00	7.01	2.49	11.25	8.61	15.71	17.32	3.59	1.55	0.03	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	28		
R-Square	0.8276		
Remarks	Continued Sediment Station		

$$QS = 1.6669 QW^{1.14360}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.07	0.45	0.28	1.71	0.96	0.58	1.53	1.48	0.19	0.19	0.23	0.08	
2	0.05	0.34	0.23	1.44	0.79	0.58	1.48	1.40	0.19	0.19	0.25	0.08	
3	0.05	0.23	0.19	1.11	0.42	0.52	3.85	1.29	0.19	0.16	0.25	0.08	
4	0.05	0.20	0.23	0.93	0.42	0.45	4.97	1.18	0.19	0.12	0.20	0.08	
5	0.05	0.18	0.20	0.93	0.42	1.11	3.60	0.89	0.18	0.12	0.15	0.08	
6	0.04	0.20	0.39	1.18	0.37	2.61	2.37	0.86	0.18	0.12	0.09	0.07	
7	0.05	0.22	0.49	1.14	0.34	2.45	1.94	0.75	0.16	0.12	0.09	0.05	
8	0.08	0.22	1.37	1.48	0.26	2.21	1.53	0.69	0.16	0.12	0.08	0.05	
9	0.09	0.19	13.13	1.25	0.26	7.67	1.22	0.62	0.16	0.12	0.08	0.05	
10	0.09	0.15	25.98	5.86	0.26	10.07	1.14	0.52	0.16	0.12	0.08	0.04	
11	0.09	0.12	30.58	9.64	0.26	6.64	3.35	0.45	0.16	0.12	0.08	0.04	
12	0.09	0.12	39.63	5.15	0.36	3.77	4.45	0.42	0.16	0.12	0.08	0.04	
13	0.09	0.12	43.74	2.45	0.93	2.77	3.51	0.42	0.16	0.12	0.08	0.04	
14	0.09	0.16	27.87	4.62	5.15	2.85	6.87	0.42	0.16	0.12	0.08	0.04	
15	0.09	0.37	12.25	3.85	5.32	2.61	14.63	0.39	0.16	0.11	0.07	0.04	
16	0.09	1.25	4.71	2.61	5.97	5.74	31.57	0.34	0.16	0.09	0.08	0.04	
17	0.09	0.72	2.45	4.02	5.41	5.41	40.91	0.34	0.18	0.09	0.09	0.04	
18	0.08	0.39	0.42	4.11	3.35	3.94	26.65	0.33	0.18	0.09	0.09	0.04	
19	0.08	0.28	0.58	2.77	1.99	2.53	12.69	0.33	0.18	0.09	0.11	0.04	
20	0.08	0.22	0.75	1.65	5.41	1.82	6.87	0.30	0.23	0.09	0.12	0.04	
21	0.07	0.16	0.45	1.48	4.02	1.53	4.88	0.26	0.31	0.09	0.15	0.05	
22	0.05	0.13	0.37	1.33	2.13	1.53	3.10	0.26	0.42	0.09	0.15	0.05	
23	0.04	0.12	0.37	1.88	1.40	1.48	2.29	0.23	0.52	0.09	0.12	0.04	
24	0.03	0.20	0.39	8.09	1.07	2.85	1.71	0.20	0.58	0.09	0.12	0.04	
25	0.03	1.33	0.65	32.81	0.89	8.37	1.53	0.20	0.58	0.09	0.11	0.04	
26	0.04	2.29	0.62	26.41	0.75	11.81	1.44	0.20	0.52	0.18	0.08	0.04	
27	0.25	1.82	0.62	12.54	0.72	11.66	1.33	0.19	0.42	0.26	0.08	0.05	
28	3.43	1.53	1.22	4.88	0.69	6.42	1.29	0.19	0.25	0.25	0.08	0.12	
29	1.71	1.00	1.76	2.05	0.58	3.85	1.40	0.19	0.19	0.25		0.12	
30	0.86	0.65	1.76	1.53	0.58	2.29	1.40	0.19	0.19	0.25		0.11	
31		0.45		1.33	0.58		1.33		0.19	0.23		0.09	
Total	8.00	15.81	213.68	152.23	52.06	118.12	196.83	15.53	7.66	4.29	3.27	1.81	789.29 Tonday
Mean	0.27	0.51	7.12	4.91	1.68	3.94	6.35	0.52	0.25	0.14	0.12	0.06	2.16 Ton/day
Max	3.43	2.29	43.74	32.81	5.97	11.81	40.91	1.48	0.58	0.26	0.25	0.12	43.74 Ton/day
Min	0.03	0.12	0.19	0.93	0.26	0.45	1.14	0.19	0.16	0.09	0.07	0.04	0.03 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	27		
R-Square	0.7372		
Remarks	Continued Sediment Station		

$$QS = 0.8804 QW^{1.67000}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.28	4.07	1.73	17.55	127.77	218.98	80.15	28.96	1.73	0.28	0.43	0.28	
2	0.43	1.73	1.73	15.17	67.13	85.61	72.23	28.37	1.73	0.28	0.43	0.28	
3	0.54	1.28	1.28	15.17	48.28	74.83	48.28	28.37	1.73	0.28	0.43	0.28	
4	0.54	1.03	0.88	12.94	34.54	48.28	41.18	25.47	1.73	0.28	0.28	0.28	
5	0.54	0.88	0.88	9.29	33.90	41.18	35.83	22.70	1.73	0.43	0.28	0.43	
6	0.43	0.88	0.88	12.51	28.37	28.37	46.83	24.35	1.73	0.43	0.28	0.43	
7	0.28	0.88	0.96	10.85	28.37	23.24	41.18	24.35	1.54	0.43	0.28	0.32	
8	0.43	0.54	2.80	11.26	28.37	32.63	41.18	22.70	1.28	0.28	0.28	0.28	
9	0.43	0.43	1299.32	357.86	28.37	218.98	34.54	22.16	1.28	0.28	0.43	0.28	
10	0.28	0.54	2096.27	534.28	28.37	265.13	37.14	17.55	1.28	0.28	0.43	0.28	
11	0.32	0.88	926.07	195.32	22.16	218.98	1737.01	17.06	1.11	0.28	0.43	0.28	
12	0.74	2.03	1087.13	77.47	33.26	121.34	2341.31	12.94	1.11	0.28	0.43	0.28	
13	0.54	1.11	1125.76	115.04	39.81	214.96	688.30	12.94	1.11	0.28	0.54	0.28	
14	0.43	0.88	338.43	392.90	210.98	252.20	398.01	10.85	1.11	0.28	0.54	0.19	
15	0.43	0.88	115.04	324.14	88.40	314.75	1125.76	8.91	1.11	0.28	0.38	0.19	
16	0.32	0.88	62.19	88.40	296.31	593.20	4350.99	8.91	1.11	0.43	0.43	0.19	
17	0.32	0.88	35.83	46.83	151.32	382.75	2136.35	7.13	1.11	0.43	0.43	0.23	
18	1.19	0.54	34.54	27.19	38.47	172.76	1049.05	7.13	1.11	0.67	0.28	0.28	
19	0.96	0.54	27.78	23.79	28.37	72.23	461.41	5.51	1.11	0.49	0.28	0.28	
20	1.19	0.54	18.04	17.55	161.90	48.28	252.20	5.51	1.03	0.54	0.28	0.32	
21	1.19	0.67	17.55	18.04	59.78	41.18	214.96	5.51	1.03	0.54	0.28	0.38	
22	0.96	0.54	17.55	23.79	33.90	115.04	199.19	6.47	1.03	0.54	0.49	0.43	
23	0.74	0.54	14.72	33.26	28.37	144.43	131.04	3.04	0.96	0.54	0.74	0.43	
24	0.54	0.61	28.37	551.69	24.35	218.98	94.07	2.80	0.96	0.54	0.67	0.54	
25	0.28	3.04	18.04	15071.48	23.79	1706.26	69.66	2.80	0.96	0.54	0.28	0.54	
26	0.38	19.54	13.38	7056.19	23.24	2425.40	55.06	2.46	0.88	0.54	0.28	0.54	
27	38.47	14.26	13.38	613.39	31.39	714.03	42.56	2.24	0.88	0.67	0.28	0.43	
28	91.22	12.51	23.79	278.33	32.01	367.73	35.83	2.03	0.81	0.67	0.28	0.43	
29	16.11	5.21	22.16	239.52	29.56	195.32	39.81	2.03	0.43	0.54		0.43	
30	12.94	3.80	17.55	154.82	24.35	127.77	35.83	1.73	0.43	0.54		0.28	
31		2.24		131.04	41.18		34.54		0.28	0.54		0.28	
Total	173.45	84.38	7364.03	26477.06	1876.37	9484.82	15971.48	372.98	35.43	13.41	10.87	10.37	61874.65 Tonday
Mean	5.78	2.72	245.47	854.10	60.53	316.16	515.21	12.43	1.14	0.43	0.39	0.33	169.52 Ton/day
Max	91.22	19.54	2096.27	15071.48	296.31	2425.40	4350.99	28.96	1.73	0.67	0.74	0.54	15071.48 Ton/day
Min	0.28	0.43	0.88	9.29	22.16	23.24	34.54	1.73	0.28	0.28	0.28	0.19	0.19 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	20		
R-Square	0.1926		
Remarks	Continued Sediment Station		

$$QS = 11.8330 QW^{0.57550}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	35.05	6.47	15.23	25.32	35.36	10.78	9.23	0.00	0.00	
2	0.00	0.00	0.00	26.09	3.97	15.79	21.84	27.39	10.78	9.64	0.00	0.00	
3	0.00	0.00	0.00	20.28	0.00	14.06	19.11	23.32	10.78	9.64	0.00	0.00	
4	0.00	0.00	0.00	15.23	0.00	13.14	19.35	20.96	10.78	9.64	0.00	0.00	
5	0.00	0.00	0.00	12.82	0.00	20.28	20.28	18.14	10.41	9.64	0.00	0.00	
6	0.00	0.00	0.00	14.36	0.00	63.24	18.14	14.36	11.14	8.39	0.00	0.00	
7	0.00	0.00	0.00	14.65	0.00	63.24	16.06	13.45	13.14	5.92	0.00	0.00	
8	0.00	0.00	0.00	13.45	0.00	52.69	14.06	12.82	12.17	4.69	0.00	0.00	
9	0.00	0.00	0.00	11.83	0.00	47.03	12.17	12.50	12.17	4.69	0.00	0.00	
10	0.00	0.00	0.00	12.50	0.00	46.79	11.49	10.78	12.17	3.97	0.00	0.00	
11	0.00	0.00	0.00	13.45	0.00	47.03	12.17	8.39	11.49	3.14	0.00	0.00	
12	0.00	0.00	36.56	13.45	0.00	45.79	16.33	5.92	10.78	3.14	0.00	0.00	
13	0.00	0.00	74.04	13.45	0.00	39.72	17.38	3.14	10.03	3.14	0.00	0.00	
14	0.00	0.00	87.89	12.82	6.47	53.37	22.27	0.00	10.03	3.14	0.00	0.00	
15	0.00	0.00	93.35	9.23	10.78	67.11	40.27	0.00	10.41	2.11	0.00	0.00	
16	0.00	0.00	93.06	5.33	12.50	75.79	55.68	0.00	11.14	0.00	0.00	0.00	
17	0.00	0.00	91.56	5.33	12.50	82.17	61.64	0.00	11.83	0.00	0.00	0.00	
18	0.00	0.00	89.43	3.97	13.14	85.38	64.03	0.00	11.83	0.00	0.00	0.00	
19	0.00	0.00	83.79	0.00	10.41	85.70	64.42	0.00	12.17	0.00	0.00	0.00	
20	0.00	0.00	73.69	0.00	7.47	82.49	58.25	0.00	12.82	0.00	0.00	0.00	
21	0.00	0.00	48.49	0.00	4.69	76.13	51.32	0.00	12.82	0.00	0.00	0.00	
22	0.00	0.00	23.11	0.00	0.00	63.64	69.72	5.33	12.82	0.00	0.00	0.00	
23	0.00	0.00	16.86	3.14	0.00	54.70	90.65	10.78	12.17	0.00	0.00	0.00	
24	0.00	0.00	17.38	10.41	0.00	49.92	92.76	11.49	10.03	0.00	0.00	0.00	
25	0.00	0.00	20.51	14.94	0.00	44.52	92.16	11.49	10.03	0.00	0.00	0.00	
26	0.00	0.00	22.48	16.33	0.00	42.17	90.65	11.14	9.64	0.00	0.00	0.00	
27	0.00	0.00	23.73	16.60	0.00	44.27	88.20	10.78	11.14	0.00	0.00	0.00	
28	0.00	0.00	30.22	17.89	0.00	42.44	84.43	10.78	11.49	0.00	0.00	0.00	
29	0.00	0.00	40.55	16.60	13.45	36.85	79.53	10.78	10.03	0.00		0.00	
30	0.00	0.00	40.55	12.17	14.65	29.53	69.72	10.78	9.64	0.00		0.00	
31		0.00		8.82	14.06		52.35		9.64	0.00		0.00	
Total	0.00	0.00	1007.25	370.19	130.56	1500.21	1451.75	299.88	346.30	90.12	0.00	0.00	5196.26 Tonday
Mean	0.00	0.00	33.58	11.94	4.21	50.01	46.83	10.00	11.17	2.91	0.00	0.00	14.24 Ton/day
Max	0.00	0.00	93.35	35.05	14.65	85.70	92.76	35.36	13.14	9.64	0.00	0.00	93.35 Ton/day
Min	0.00	0.00	0.00	0.00	0.00	13.14	11.49	0.00	9.64	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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	2021					
Number of observation	20					
R-Square	0.7210					
Remarks	Continued Sediment Station					

$$QS = 0.8085 QW^{1.05450}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.32	71.56	211.78	155.95	177.56	153.04	1.46	0.91	0.44	0.10	
2	0.00	0.00	0.05	83.69	181.82	151.30	162.94	145.32	1.40	0.79	0.32	0.05	
3	0.00	0.00	0.00	86.55	154.21	162.36	146.34	139.68	1.27	0.73	0.27	0.05	
4	0.00	0.00	0.00	82.73	132.02	215.47	129.98	129.47	2.27	0.73	0.21	0.16	
5	0.00	0.00	0.00	70.70	114.22	257.40	114.22	114.73	2.58	0.73	0.16	0.38	
6	0.00	0.00	0.00	56.59	100.08	291.32	97.09	96.61	2.39	0.73	0.27	0.38	
7	0.00	0.00	0.00	49.99	87.98	307.62	78.45	70.70	2.08	0.73	0.27	0.38	
8	0.00	0.00	0.21	56.59	77.98	313.56	62.56	57.02	1.89	0.67	0.21	0.27	
9	0.00	0.00	2.08	68.12	67.26	329.00	49.99	40.15	1.71	0.67	0.21	0.27	
10	0.00	0.00	6.94	83.21	54.47	338.78	42.63	30.79	1.52	0.67	0.21	0.21	
11	0.00	0.00	22.00	93.73	46.16	338.78	42.63	22.21	1.40	0.61	0.21	0.16	
12	0.00	0.00	40.37	97.57	48.51	339.60	51.76	14.85	1.40	0.61	0.21	0.16	
13	0.00	0.00	63.41	88.94	75.60	336.34	61.28	9.24	1.40	0.61	0.16	0.16	
14	0.00	0.00	106.13	77.98	115.23	341.23	67.26	7.86	1.40	0.61	0.16	0.16	
15	0.00	0.00	155.37	81.30	152.46	345.31	87.98	6.25	1.34	0.56	0.16	0.16	
16	0.00	0.00	180.60	102.60	188.52	350.21	114.22	5.46	1.34	0.56	0.16	0.27	
17	0.00	0.00	185.47	122.34	216.08	358.38	122.85	4.79	1.34	0.56	0.10	0.27	
18	0.00	0.00	174.63	123.86	234.31	375.57	122.85	4.79	1.27	0.56	0.10	0.27	
19	0.00	0.00	150.72	118.28	240.53	381.31	116.75	4.45	1.15	0.56	0.27	0.27	
20	0.00	0.00	128.45	118.28	235.68	381.31	104.62	3.35	1.09	0.56	0.50	0.27	
21	0.00	0.00	107.64	127.94	219.16	377.21	97.09	3.22	0.97	0.50	0.67	0.44	
22	0.00	0.00	90.38	144.81	197.08	366.56	91.81	3.48	0.91	0.44	0.61	0.44	
23	0.00	0.00	76.08	165.86	172.29	352.66	98.58	3.48	0.97	0.44	0.61	0.44	
24	0.00	0.00	64.27	195.85	149.56	332.26	124.37	3.29	1.03	0.44	0.56	0.56	
25	0.00	0.00	52.36	230.38	137.12	318.43	148.40	2.90	1.15	0.38	0.50	0.56	
26	0.00	0.00	45.86	255.93	135.59	301.69	162.36	2.33	1.15	0.38	0.50	0.50	
27	0.00	0.00	41.75	272.86	135.59	278.02	167.03	2.02	1.15	0.32	0.38	0.50	
28	0.00	0.00	42.34	276.55	138.15	255.93	167.03	1.83	1.09	0.27	0.16	0.56	
29	0.00	0.00	45.27	278.02	138.15	230.38	165.28	1.71	1.03	0.27		0.50	
30	0.00	0.00	56.59	265.49	131.51	206.87	161.78	1.58	1.03	0.44		0.38	
31		0.21		240.53	130.49		157.12		0.97	0.56		0.27	
Total	0.00	0.21	1839.29	4188.83	4419.59	9090.81	3494.81	1086.60	43.15	17.60	8.59	9.55	24199.03 Tonday
Mean	0.00	0.01	61.31	135.12	142.57	303.03	112.74	36.22	1.39	0.57	0.31	0.31	66.30 Ton/day
Max	0.00	0.21	185.47	278.02	240.53	381.31	177.56	153.04	2.58	0.91	0.67	0.56	381.31 Ton/day
Min	0.00	0.00	0.00	49.99	46.16	151.30	42.63	1.58	0.91	0.27	0.10	0.05	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	32		
R-Square	0.7922		
Remarks	Continued Sediment Station		

$$QS = 3.1474 QW^{1.06780}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.24	1.37	4.78	0.66	3.76	3.05	63.17	9.27	1.25	0.72	0.44	0.56	
2	0.18	1.50	2.75	0.56	3.15	2.75	41.45	10.17	1.18	0.72	0.44	0.53	
3	0.24	1.44	1.37	0.50	2.65	2.35	23.38	13.83	1.18	0.69	0.44	0.50	
4	0.53	0.99	0.78	0.44	2.45	2.08	21.10	14.38	1.12	0.66	0.44	0.47	
5	0.84	0.81	0.59	0.42	2.15	4.06	21.10	13.46	1.12	0.66	0.44	0.44	
6	0.42	0.69	0.47	0.69	1.89	8.37	21.32	12.54	1.12	0.66	0.44	0.42	
7	0.33	0.59	0.42	0.69	1.57	12.54	21.10	9.09	1.12	0.62	0.44	0.39	
8	0.33	0.53	0.56	0.59	1.37	10.53	17.74	4.68	0.99	0.62	0.44	0.36	
9	0.30	0.50	1.25	0.81	1.25	8.19	11.81	3.25	0.87	0.59	0.44	0.33	
10	0.27	0.50	3.05	1.06	0.93	9.63	8.55	2.65	0.84	0.59	0.44	0.30	
11	0.27	0.50	7.16	1.57	0.84	13.09	6.88	2.25	0.81	0.53	0.47	0.27	
12	0.27	0.44	7.59	5.09	1.25	35.30	6.04	1.95	0.78	0.53	0.47	0.24	
13	0.27	0.42	7.02	22.69	2.35	51.61	4.68	1.89	0.78	0.50	0.47	0.21	
14	0.27	0.36	8.02	25.68	3.76	29.03	4.17	1.82	0.75	0.50	0.47	0.18	
15	0.27	0.33	9.63	16.62	4.17	20.41	4.47	1.82	0.75	0.50	0.50	0.21	
16	0.27	0.36	7.45	14.94	3.86	20.64	5.34	1.82	0.75	0.50	0.50	0.24	
17	0.33	0.33	5.48	18.68	3.96	27.06	6.46	1.82	0.78	0.50	0.53	0.27	
18	0.30	0.30	3.65	16.62	3.55	40.50	6.74	1.82	0.75	0.50	0.53	0.33	
19	0.36	0.30	2.55	12.36	2.95	49.49	6.32	1.76	0.72	0.47	0.56	0.39	
20	0.33	0.78	1.76	9.09	2.25	47.89	5.34	1.69	0.72	0.47	0.56	0.44	
21	0.33	3.35	0.93	8.73	1.89	39.86	4.17	1.63	0.72	0.47	0.59	0.50	
22	0.36	1.95	0.69	6.88	1.50	27.52	4.89	1.57	0.72	0.47	0.59	0.56	
23	0.44	1.12	0.53	6.32	1.18	24.76	21.78	1.63	0.69	0.44	0.62	0.62	
24	0.56	0.84	0.47	7.59	0.99	31.20	57.37	1.63	0.69	0.44	0.62	0.69	
25	0.53	1.25	0.47	10.35	0.78	38.60	78.86	1.63	0.72	0.44	0.66	0.75	
26	0.59	3.55	0.59	13.65	0.84	44.86	67.86	1.57	0.75	0.44	0.62	0.81	
27	1.12	8.19	0.75	14.57	1.06	59.15	39.55	1.44	0.81	0.44	0.59	0.87	
28	2.75	7.59	0.78	12.54	1.50	83.73	24.76	1.44	0.87	0.44	0.56	0.81	
29	2.02	7.30	0.78	9.27	3.45	91.53	16.80	1.37	0.84	0.44		0.72	
30	1.44	7.87	0.75	6.46	3.96	84.97	12.73	1.31	0.81	0.44		0.66	
31		7.45		4.58	3.55		10.72		0.75	0.44		0.59	
Total	16.76	63.50	83.07	250.70	70.81	924.75	646.65	127.18	26.75	16.43	14.31	14.66	2255.57 Tonday
Mean	0.56	2.05	2.77	8.09	2.28	30.82	20.86	4.24	0.86	0.53	0.51	0.47	6.18 Ton/day
Max	2.75	8.19	9.63	25.68	4.17	91.53	78.86	14.38	1.25	0.72	0.66	0.87	91.53 Ton/day
Min	0.18	0.30	0.42	0.42	0.78	2.08	4.17	1.31	0.69	0.44	0.44	0.18	0.18 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	31		
R-Square	0.7229		
Remarks	Continued Sediment Station		

$$QS = 1.8233 QW^{1.11930}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	42.38	75.37	107.44	50.15	115.66	16.10	578.03	1306.95	423.64	340.89	146.62	121.46	
2	40.84	67.52	127.28	44.44	119.80	16.92	664.96	1306.95	544.96	354.47	151.71	128.95	
3	39.82	43.40	151.71	40.84	115.66	21.54	802.31	1304.65	612.98	361.42	147.47	133.98	
4	49.11	30.64	176.57	36.88	105.80	37.33	932.21	1297.74	594.65	351.75	143.24	133.98	
5	74.15	24.97	158.53	36.43	91.31	49.11	964.01	1254.09	576.38	343.60	140.71	131.46	
6	59.12	30.64	179.36	36.43	55.94	28.01	969.98	1219.75	558.16	336.83	139.02	135.66	
7	50.68	31.08	238.13	38.29	35.08	15.58	971.97	1167.28	507.18	324.68	137.34	138.18	
8	51.20	22.82	278.12	57.00	33.74	15.33	954.06	1121.87	474.58	307.22	135.66	150.01	
9	48.59	20.27	285.24	100.90	31.97	15.33	888.68	1087.93	450.28	285.24	136.50	138.18	
10	46.51	20.69	326.03	183.63	28.44	21.12	792.55	1072.13	409.07	259.22	135.66	129.79	
11	47.02	20.27	390.23	241.63	24.97	75.37	734.30	1056.04	390.23	214.86	134.82	131.46	
12	47.02	42.89	432.55	239.29	27.13	77.19	736.23	1037.96	372.91	198.64	134.82	128.95	
13	53.30	68.12	443.82	199.72	16.51	41.86	730.43	1013.91	364.29	191.12	134.82	128.12	
14	64.53	84.53	419.26	171.39	9.57	43.40	656.55	985.93	358.55	181.49	134.82	130.63	
15	52.77	86.37	387.33	134.82	8.85	62.33	586.34	956.05	351.75	171.39	142.39	119.80	
16	55.94	83.91	377.23	115.66	8.12	92.55	558.16	918.34	347.67	163.66	150.86	114.01	
17	74.76	87.60	398.91	114.01	6.47	118.97	646.47	878.82	347.67	158.53	155.12	114.01	
18	82.69	75.97	385.89	141.55	4.18	100.90	782.81	855.20	351.75	154.26	145.77	114.01	
19	77.80	77.19	396.02	146.62	3.74	65.13	863.06	839.49	355.83	150.01	143.24	114.01	
20	71.13	83.91	400.36	133.14	6.70	44.44	926.26	831.65	354.47	144.93	157.67	114.01	
21	44.95	85.76	396.02	128.12	6.94	34.64	975.96	823.81	353.11	139.02	171.39	114.01	
22	26.26	72.94	381.56	126.45	6.00	33.30	1033.95	814.03	355.83	134.82	122.29	114.01	
23	17.75	74.15	320.65	121.46	5.31	52.25	1119.60	786.70	349.03	130.63	61.26	114.01	
24	14.56	74.15	180.43	120.63	5.31	125.62	1217.46	745.91	351.75	126.45	54.88	112.36	
25	15.07	96.84	133.14	139.02	5.77	227.93	1283.94	666.64	347.67	122.29	51.20	102.53	
26	22.39	93.17	124.78	217.03	4.86	271.01	1295.44	609.64	342.25	113.19	51.72	93.17	
27	45.99	85.76	92.55	249.82	4.63	285.24	1295.44	579.69	350.39	105.80	66.92	85.14	
28	52.77	98.47	71.13	175.70	6.00	307.22	1290.84	561.47	299.20	108.26	99.28	77.19	
29	49.11	102.53	56.47	135.66	8.36	396.02	1302.34	554.86	330.08	116.49		66.92	
30	62.86	103.35	52.77	128.95	14.56	485.96	1306.95	507.18	346.32	125.62		63.40	
31		102.53		124.78	16.51		1309.25		330.08	134.82		62.86	
Total	1481.07	2067.81	7869.51	3930.44	933.89	3177.70	29170.54	28162.66	12502.71	6351.60	3527.20	3556.26	102731.39 Tonday
Mean	49.37	66.70	262.32	126.79	30.13	105.92	940.99	938.76	403.31	204.89	125.97	114.72	281.46 Ton/day
Max	82.69	103.35	443.82	249.82	119.80	485.96	1309.25	1306.95	612.98	361.42	171.39	150.01	1309.25 Ton/day
Min	14.56	20.27	52.77	36.43	3.74	15.33	558.16	507.18	299.20	105.80	51.20	62.86	3.74 Ton/day

WATER YEAR : 2021**CHI RIVER BASIN****Chi River at Ban Khai , Chaiyaphum (E.23)**

Lat 15 - 40 - 54 N Long 102 - 00 - 34 E

Location : on left bank at the bridge on highway.

	Ban Khai	Amphoe Mueang	Changwat Chaiyaphum
Drainage Area	6,297 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	2021		
Number of observation	20		
R-Square	0.7193		
Remarks	Continued Sediment Station		

$$QS = 11.4660 QW^{1.10900}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	690.20	291.54	17.98	1385.71	1721.01	9253.29	3630.56	108.70	69.84	0.00	1.92	
2	0.00	972.91	226.78	5.32	1080.90	2005.36	8861.32	3603.70	105.53	65.30	1.40	0.00	
3	0.00	972.91	180.39	0.00	868.81	2190.81	8179.49	3469.68	102.37	59.29	3.02	0.00	
4	0.00	782.08	160.50	0.00	806.77	2329.31	7599.47	3282.92	99.23	53.35	2.46	0.00	
5	0.00	659.84	137.60	0.00	551.50	2490.62	7035.72	3083.97	92.96	44.55	0.89	0.00	
6	0.00	516.44	131.12	0.00	576.67	2631.27	6121.78	2838.15	89.84	40.21	0.00	0.00	
7	0.00	531.44	124.67	0.00	442.12	2750.86	5186.31	2652.97	86.73	41.65	0.00	0.00	
8	0.00	556.52	115.06	0.00	380.12	2873.15	4376.55	2469.05	82.09	33.08	0.00	0.00	
9	0.00	566.59	79.01	0.00	295.92	2991.56	3876.56	2279.20	79.01	23.36	0.00	1.40	
10	0.00	556.52	77.47	46.00	218.27	3083.97	3576.86	1638.81	75.94	19.31	0.00	0.00	
11	0.00	437.21	105.53	819.14	167.11	3256.33	3336.18	1291.51	72.88	16.65	0.00	0.00	
12	0.00	222.52	197.14	868.81	147.37	3376.18	3123.67	1064.21	69.84	12.74	0.00	0.00	
13	0.00	150.64	201.35	931.28	134.35	3550.03	3017.93	887.51	68.32	10.20	0.00	0.00	
14	0.00	124.67	170.42	956.39	124.67	4267.21	2991.56	769.77	65.30	7.72	0.00	0.00	
15	0.00	131.12	140.85	1072.55	124.67	5279.16	3070.75	491.54	60.79	5.32	0.00	0.00	
16	0.00	140.85	131.12	1089.25	163.80	5874.76	3322.86	447.04	56.31	2.46	0.00	0.00	
17	0.00	150.64	157.21	1055.88	300.30	6618.75	3961.17	287.18	56.31	0.00	0.00	0.00	
18	0.00	140.85	134.35	997.73	269.78	7311.06	5372.17	326.70	83.63	0.00	0.00	0.89	
19	0.00	134.35	115.06	875.04	214.03	7888.96	8082.53	209.79	80.55	0.89	0.00	10.20	
20	0.00	127.89	92.96	831.53	173.74	8179.49	8861.32	201.35	75.94	1.40	5.32	30.27	
21	0.00	124.67	83.63	612.10	157.21	8276.57	8861.32	235.32	74.41	0.89	24.73	57.80	
22	170.42	137.60	77.47	380.12	144.11	8471.05	8373.75	173.74	72.88	3.58	23.36	65.30	
23	170.42	147.37	79.01	309.07	153.92	8471.05	7792.34	188.75	69.84	7.72	15.34	79.01	
24	127.89	124.67	77.47	274.12	163.80	8568.45	7215.17	180.39	71.36	17.98	7.72	144.11	
25	82.09	124.67	75.94	380.12	163.80	9155.14	6701.94	157.21	68.32	24.73	7.11	163.80	
26	86.73	131.12	41.65	751.33	192.94	9646.90	6287.01	147.37	69.84	26.11	8.95	192.94	
27	105.53	153.92	20.65	1164.70	197.14	10837.05	5710.65	140.85	74.41	26.11	7.72	269.78	
28	163.80	261.12	20.65	1529.83	331.12	10339.51	5139.95	124.67	82.09	19.31	5.32	282.82	
29	214.03	412.73	15.34	1693.57	521.44	9844.31	4458.74	118.26	79.01	11.47		173.74	
30	274.12	531.44	19.31	1702.71	1030.92	9646.90	3927.31	115.06	72.88	6.51		140.85	
31		447.04		1575.15	1385.71		3691.07		68.32	1.92		147.37	
Total	1395.03	11162.54	3481.25	19939.72	12868.72	173926.78	177366.74	36507.23	2415.63	653.65	113.34	1762.20	441592.83 Tonday
Mean	46.50	360.08	116.04	643.22	415.12	5797.56	5721.51	1216.91	77.92	21.09	4.05	56.85	1209.84 Ton/day
Max	274.12	972.91	291.54	1702.71	1385.71	10837.05	9253.29	3630.56	108.70	69.84	24.73	282.82	10837.05 Ton/day
Min	0.00	124.67	15.34	0.00	124.67	1721.01	2991.56	115.06	56.31	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1968-Cont'd		
Actual Measurement	1968-Cont'd		
Using Rating Curve Water Year	2021		
Number of observation	16		
R-Square	0.5843		
Remarks	Continued Sediment Station		

$$QS = 5.5950 QW^{1.07340}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	288.04	84.91	7.17	174.11	914.56	3414.54	590.61	47.95	21.47	10.52	9.39	
2	0.00	292.29	50.04	6.80	203.45	1110.60	2371.80	485.91	46.57	19.50	10.52	8.28	
3	0.00	166.83	43.79	7.17	145.11	974.25	1726.35	380.81	45.18	17.80	10.52	8.65	
4	0.00	116.36	22.79	7.17	161.99	998.20	1342.91	319.29	43.79	17.03	10.52	10.14	
5	0.00	97.26	20.81	6.80	177.76	859.87	969.47	272.50	42.41	16.64	10.52	9.02	
6	0.00	98.72	16.25	6.08	134.34	707.31	683.26	240.52	41.03	16.64	10.52	8.28	
7	0.00	97.99	17.03	20.81	196.08	788.89	523.66	214.52	39.66	16.25	10.14	8.65	
8	0.00	84.91	14.32	169.25	135.53	759.61	440.42	194.86	38.97	15.48	10.14	8.65	
9	0.00	59.17	17.80	577.90	94.34	719.36	371.20	170.47	38.29	15.09	11.27	8.65	
10	0.00	50.04	111.93	429.10	68.39	907.41	353.63	148.72	36.92	14.70	12.79	10.14	
11	0.00	45.18	161.99	353.63	55.65	1216.31	305.06	131.95	35.56	14.32	12.79	8.28	
12	0.00	28.12	151.13	458.25	49.35	1633.20	376.00	123.77	34.87	14.32	12.03	6.80	
13	0.00	24.11	101.65	472.88	44.49	1777.06	482.65	116.36	34.19	14.32	11.65	7.17	
14	0.00	20.81	66.25	667.25	41.72	1479.66	627.03	109.72	32.84	14.32	12.79	7.54	
15	1.21	24.11	61.29	554.35	98.72	1430.46	874.11	103.11	32.16	14.32	12.41	6.80	
16	7.54	26.11	79.85	523.66	224.40	1476.14	1236.10	100.18	30.13	13.94	13.94	6.80	
17	12.03	24.78	64.83	443.66	185.08	1562.48	1991.63	93.62	29.46	13.55	14.70	7.17	
18	7.91	24.78	52.14	255.62	122.29	1664.21	2701.18	88.53	29.46	13.17	14.32	7.54	
19	13.17	26.11	39.66	180.20	85.63	1451.53	3118.40	84.91	28.79	12.79	14.32	7.91	
20	30.81	28.12	30.81	163.20	64.83	1226.20	3010.25	78.41	28.12	12.41	13.17	10.52	
21	18.85	26.11	23.45	131.21	59.17	1051.72	2456.83	75.54	27.45	12.03	12.41	14.70	
22	15.86	24.78	20.15	106.78	78.41	1073.39	1948.59	74.11	26.11	12.03	14.32	18.19	
23	11.27	24.78	13.55	84.91	78.41	1448.02	2290.16	68.39	25.44	11.65	15.86	56.35	
24	12.41	22.13	11.65	89.25	64.12	2002.41	2800.28	63.41	25.44	10.89	14.32	126.74	
25	12.41	16.64	11.27	276.74	52.14	2745.19	1910.97	59.17	25.44	10.89	13.17	108.99	
26	12.79	45.18	9.76	814.87	61.29	3691.85	1116.81	57.76	30.81	11.27	12.03	58.46	
27	21.47	92.89	8.28	1036.26	86.35	4828.91	641.64	57.05	33.51	11.65	11.65	54.24	
28	48.65	123.03	7.54	735.44	164.41	6121.28	476.13	54.94	28.79	12.03	10.89	61.29	
29	70.53	205.90	7.54	461.50	579.72	5512.88	485.91	52.14	26.78	12.03		37.60	
30	158.36	185.08	6.80	300.80	656.27	4475.11	924.09	48.65	25.44	11.65		38.97	
31		136.73		218.22	665.42		793.61		24.11	10.89		36.92	
Total	455.27	2527.09	1329.26	9566.93	5008.97	56608.07	42764.67	4659.93	1035.67	435.07	344.23	778.83	125513.99 Ton/day
Mean	15.18	81.52	44.31	308.61	161.58	1886.94	1379.51	155.33	33.41	14.03	12.29	25.12	343.87 Ton/day
Max	158.36	292.29	161.99	1036.26	665.42	6121.28	3414.54	590.61	47.95	21.47	15.86	126.74	6121.28 Ton/day
Min	0.00	16.64	6.80	6.08	41.72	707.31	305.06	48.65	24.11	10.89	10.14	6.80	0.00 Ton/day

WATER YEAR : 2021

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
Drainge 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	2021		
Number of observation	13		
R-Square	0.7412		
Remarks	Continued Sediment Station		

$$QS = 0.9285 QW^{1.35870}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	7.35	13.11	5.64	14.32	8.93	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	6.64	11.89	8.27	10.98	8.71	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	5.12	9.36	10.27	14.82	7.58	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	3.72	7.35	10.03	21.35	6.14	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	2.35	5.64	10.51	16.62	5.12	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	1.55	3.72	13.36	12.62	4.73	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	3.93	2.83	12.62	11.21	4.13	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	6.88	2.35	10.03	10.03	3.50	0.00	0.00	0.00	0.00	
9	0.00	0.00	8.27	8.27	0.93	8.93	8.93	2.83	0.00	0.00	0.00	0.00	
10	0.00	0.00	17.12	9.79	0.56	10.03	7.58	2.35	0.00	0.00	0.00	0.00	
11	0.00	0.00	22.65	9.58	0.00	18.10	10.74	1.83	0.00	0.00	0.00	0.00	
12	0.00	0.00	24.34	8.04	0.00	22.65	19.81	1.55	0.00	0.00	0.00	0.00	
13	0.00	0.00	24.88	5.89	0.00	23.54	17.61	0.93	0.00	0.00	0.00	0.00	
14	0.00	0.00	23.81	5.89	1.25	28.52	17.86	0.56	0.00	0.00	0.00	0.00	
15	0.00	0.00	21.09	7.58	3.93	29.80	24.97	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	14.08	10.51	5.64	29.31	30.29	0.56	0.00	0.00	0.00	0.00	
17	0.00	0.00	9.79	9.36	7.58	27.20	33.27	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	7.81	7.58	6.64	23.90	31.46	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	6.64	5.38	4.93	19.07	26.91	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	5.38	4.54	3.93	14.32	22.74	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	4.54	3.93	4.34	12.62	16.62	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	3.93	2.83	3.72	13.60	16.11	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	2.83	2.83	3.29	18.10	17.37	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	1.83	6.64	2.83	21.60	15.86	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	5.38	28.05	5.12	26.33	13.84	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.93	6.14	36.72	5.38	37.54	11.89	0.00	0.00	0.00	0.00	0.00	
27	0.00	4.73	4.54	35.98	5.64	38.64	10.51	0.00	0.00	0.00	0.00	0.00	
28	0.00	4.13	4.54	28.81	6.39	33.37	9.36	0.00	0.00	0.00	0.00	0.00	
29	0.00	2.59	8.04	21.85	6.39	26.81	10.27	0.00	0.00	0.00		0.00	
30	0.00	1.83	6.39	13.36	5.38	21.85	10.51	0.00	0.00	0.00		0.00	
31		2.10		10.98	5.64		9.36		0.00	0.00		0.00	
Total	0.00	16.31	234.02	321.93	145.76	586.56	505.82	59.45	0.00	0.00	0.00	0.00	1869.85 Tonday
Mean	0.00	0.53	7.80	10.38	4.70	19.55	16.32	1.98	0.00	0.00	0.00	0.00	5.12 Ton/day
Max	0.00	4.73	24.88	36.72	13.11	38.64	33.27	8.93	0.00	0.00	0.00	0.00	38.64 Ton/day
Min	0.00	0.00	0.00	1.55	0.00	5.64	7.58	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021

CHI RIVER BASIN

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

Lat 16 - 57 - 06 N Long 103 - 10 - 05 E

Location : on left bank at the bridge on highway.

	Ban Tha Hai	Amphoe Si That	Changwat Udon Thani
Drainage 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	2021		
Number of observation	17		
R-Square	0.3948		
Remarks	Continued Sediment Station		

$$QS = 5.3562 QW^{1.07810}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	2.54	5.13	200.85	70.01	6.34	245.10	241.37	178.94	147.81	83.66	26.33	
2	0.00	2.54	2.32	173.51	53.47	10.70	222.86	208.15	177.16	146.34	80.50	25.16	
3	0.00	2.32	1.46	157.30	41.63	6.70	221.05	208.15	177.16	146.34	77.34	24.00	
4	0.00	1.78	1.46	152.22	31.68	15.94	241.37	206.34	175.37	144.87	75.24	22.91	
5	0.00	1.25	1.46	141.94	15.63	36.43	219.23	211.84	171.73	143.41	72.10	21.95	
6	0.00	0.94	1.46	115.77	6.17	61.70	197.18	206.34	171.73	141.94	68.97	21.31	
7	0.00	0.74	1.46	96.42	2.65	61.70	195.38	204.53	171.73	141.94	65.84	20.67	
8	0.00	0.59	1.46	104.99	1.89	38.96	164.47	206.34	169.88	139.01	63.77	20.04	
9	0.00	0.40	43.65	124.45	1.89	37.63	149.28	202.66	168.10	137.55	61.70	19.40	
10	0.00	0.21	354.90	204.53	1.78	58.60	134.63	204.53	168.10	136.09	59.63	18.45	
11	0.00	0.00	428.17	193.50	1.78	53.47	128.81	206.34	166.32	136.09	56.54	17.51	
12	0.00	0.00	317.49	157.30	1.57	34.31	133.17	206.34	164.47	133.17	53.47	16.57	
13	0.00	0.00	232.10	204.53	0.40	24.39	136.09	206.34	164.47	131.72	51.43	15.94	
14	0.00	0.00	224.75	152.22	0.21	40.96	137.55	206.34	162.69	127.35	49.05	14.69	
15	0.00	0.00	221.05	117.94	0.21	98.55	137.55	204.53	162.69	124.45	47.69	14.07	
16	0.00	0.00	206.34	107.14	0.26	127.35	166.32	200.85	160.92	123.36	46.34	12.84	
17	0.00	0.00	188.04	113.61	0.04	136.09	265.58	197.18	160.92	120.10	44.32	11.92	
18	0.00	0.00	171.73	104.99	0.08	131.72	226.57	191.71	159.07	117.94	42.98	11.00	
19	0.00	0.00	157.30	91.09	0.30	123.36	177.16	191.71	157.30	115.77	41.63	10.46	
20	0.00	0.00	147.81	84.72	0.30	139.01	147.81	189.91	157.30	112.53	41.63	9.49	
21	0.00	0.00	141.94	83.66	0.30	124.45	134.63	188.04	155.46	110.37	38.29	9.01	
22	0.00	0.00	149.28	85.78	0.30	121.19	369.00	184.38	155.46	107.14	36.43	8.29	
23	0.00	0.00	152.22	87.90	0.30	139.01	813.06	184.38	153.69	103.91	34.84	7.76	
24	0.00	0.00	137.55	93.22	0.30	164.47	800.61	184.38	153.69	102.84	33.26	7.58	
25	0.00	15.01	130.26	110.37	0.50	239.55	694.50	184.38	153.69	100.69	31.22	7.23	
26	0.00	68.97	137.55	115.77	0.59	475.55	593.61	182.59	153.69	97.48	29.84	7.40	
27	0.00	64.81	168.10	112.53	0.54	522.46	475.55	182.59	153.69	95.35	28.47	7.23	
28	0.17	49.73	162.69	98.55	0.54	456.00	442.07	182.59	152.22	93.22	27.56	7.05	
29	0.50	34.31	143.41	73.14	0.54	387.87	369.00	182.59	152.22	90.02		6.52	
30	1.57	20.99	166.32	56.54	0.54	289.95	303.54	180.81	150.75	88.96		5.65	
31		10.70		67.92	0.54		274.94		149.28	85.78		4.95	
Total	2.24	277.83	4198.86	3784.40	236.94	4164.41	8917.67	5938.23	5029.89	3743.54	1443.74	433.38	38171.13 Tonday
Mean	0.07	8.96	139.96	122.08	7.64	138.81	287.67	197.94	162.25	120.76	51.56	13.98	104.58 Ton/day
Max	1.57	68.97	428.17	204.53	70.01	522.46	813.06	241.37	178.94	147.81	83.66	26.33	813.06 Ton/day
Min	0.00	0.00	1.46	56.54	0.04	6.34	128.81	180.81	149.28	85.78	27.56	4.95	0.00 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	31		
R-Square	0.7371		
Remarks	Continued Sediment Station		

$$QS = 3.87940 QW^{0.99970}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	151.13	483.45	181.35	188.32	550.83	292.90	2040.60	4316.44	2232.99	578.71	360.29	276.63	
2	141.83	471.83	190.64	132.53	557.80	346.35	2056.09	4353.59	1978.67	585.68	353.32	327.76	
3	139.51	443.95	216.21	102.32	539.21	395.15	2059.96	4415.51	1718.38	578.71	344.03	360.29	
4	153.45	367.27	251.07	99.99	499.71	418.39	2105.25	4465.05	1507.47	571.74	355.65	348.67	
5	197.62	299.87	283.61	74.42	453.24	499.71	2211.70	4526.97	1370.97	560.12	374.24	360.29	
6	269.66	344.03	265.01	44.19	464.86	687.52	2311.57	4564.12	1198.07	546.18	385.86	376.56	
7	299.87	411.42	258.04	48.84	434.65	888.95	2409.11	4601.27	1085.95	532.24	385.86	392.83	
8	295.23	490.42	244.10	79.07	351.00	1042.58	2540.71	4601.27	950.74	520.63	383.53	409.09	
9	274.31	469.51	292.90	132.53	258.04	1123.11	2669.99	4588.89	888.95	504.36	357.97	420.71	
10	241.77	418.39	434.65	258.04	204.59	1207.82	2810.11	4539.35	845.12	474.15	341.70	439.30	
11	174.37	339.38	513.65	378.88	176.70	1292.38	3008.28	4489.81	842.41	416.06	330.08	432.33	
12	146.48	274.31	555.48	464.86	162.75	1377.63	3204.90	4427.89	780.07	364.94	320.79	416.06	
13	137.18	258.04	588.01	469.51	151.13	1410.92	3542.40	4378.36	750.25	332.41	320.79	413.74	
14	153.45	255.72	569.42	469.51	174.37	1370.97	3802.87	4316.44	706.73	313.82	330.08	409.09	
15	155.78	267.34	562.45	406.77	206.91	1347.66	3982.83	4254.51	670.72	299.87	302.20	392.83	
16	153.45	262.69	536.89	325.44	271.99	1434.23	4093.52	4180.21	692.33	292.90	325.44	376.56	
17	176.70	246.42	492.74	351.00	330.08	1528.69	4143.05	4093.52	689.93	285.93	376.56	376.56	
18	199.94	230.15	455.57	385.86	334.73	1565.08	4143.05	3934.84	670.72	276.63	402.12	364.94	
19	209.24	165.08	450.92	399.80	320.79	1565.08	4143.05	3850.86	673.12	283.61	416.06	402.12	
20	211.56	139.51	427.68	381.21	267.34	1497.49	4155.44	3755.65	604.27	299.87	434.65	418.39	
21	172.05	127.89	404.44	346.35	246.42	1357.65	4229.75	3710.75	578.71	316.14	453.24	420.71	
22	146.48	83.72	385.86	344.03	237.13	1318.39	4229.75	3576.07	601.95	325.44	478.80	439.30	
23	141.83	106.96	385.86	341.70	188.32	1457.53	4266.90	3471.96	608.92	337.06	502.04	446.27	
24	118.59	97.67	320.79	357.97	155.78	1597.83	4266.90	3361.27	620.53	351.00	453.24	476.48	
25	72.09	106.96	202.26	425.36	125.56	1703.51	4242.13	3247.48	594.98	360.29	364.94	471.83	
26	53.49	183.67	97.67	457.89	72.09	1818.72	4204.98	3089.56	571.74	353.32	306.85	490.42	
27	90.69	251.07	95.34	462.54	74.42	1905.12	4167.82	2930.87	581.04	337.06	271.99	490.42	
28	172.05	239.45	172.05	506.68	90.69	1963.18	4167.82	2810.11	569.42	337.06	253.39	471.83	
29	283.61	169.73	230.15	525.27	127.89	1994.15	4204.98	2669.99	557.80	341.70		457.89	
30	427.68	155.78	227.83	527.60	130.21	2028.99	4242.13	2478.78	485.77	332.41		430.01	
31		176.70		532.24	192.97		4254.51		536.89	332.41		355.65	
Total	5561.09	8338.38	10292.64	10020.72	8352.20	38437.68	107912.15	118001.39	27165.61	12342.45	10285.71	12665.56	369375.58 Tonday
Mean	185.37	268.98	343.09	323.25	269.43	1281.26	3481.04	3933.38	876.31	398.14	367.35	408.57	1011.99 Ton/day
Max	427.68	490.42	588.01	532.24	557.80	2028.99	4266.90	4601.27	2232.99	585.68	502.04	490.42	4601.27 Ton/day
Min	53.49	83.72	95.34	44.19	72.09	292.90	2040.60	2478.78	485.77	276.63	253.39	276.63	44.19 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	27		
R-Square	0.7811		
Remarks	Continued Sediment Station		

$$QS = 1.5049 QW^{1.35670}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	20.28	75.27	295.04	81.27	553.35	189.69	12.64	8.56	0.00	0.00	
2	0.00	0.00	16.34	87.38	283.97	109.18	317.50	177.13	11.93	8.56	0.00	0.00	
3	0.00	0.00	14.09	62.22	197.15	185.19	297.82	155.47	12.64	8.56	0.00	0.00	
4	0.00	0.00	13.36	43.32	136.44	227.76	557.21	121.70	12.64	7.92	0.00	0.00	
5	0.00	0.00	11.93	28.68	95.32	222.58	470.19	100.46	11.93	7.29	0.00	0.00	
6	0.00	0.00	11.23	21.91	59.41	259.48	323.18	85.84	11.93	6.08	0.00	0.00	
7	0.00	0.00	11.93	24.42	39.51	259.48	248.78	70.85	11.93	5.50	0.00	0.00	
8	0.00	0.00	21.09	58.02	31.01	194.66	209.76	59.41	11.93	4.39	0.00	0.00	
9	0.00	0.00	69.39	109.18	24.42	159.35	173.14	47.22	11.23	3.85	0.00	0.00	
10	0.00	0.00	292.26	127.18	21.09	192.17	143.97	37.03	11.23	2.85	0.00	0.00	
11	0.00	0.00	442.13	163.26	19.47	340.39	165.22	31.01	11.23	2.85	0.00	0.00	
12	0.00	0.00	572.74	129.02	18.67	647.97	439.04	27.53	10.55	1.93	0.00	0.00	
13	0.00	0.00	725.37	90.49	18.67	656.03	463.92	24.42	10.55	1.93	0.00	0.00	
14	0.00	0.00	682.81	76.75	20.28	1035.79	414.52	22.74	9.87	1.50	0.00	0.00	
15	0.00	0.00	549.49	102.19	45.91	1378.95	749.31	21.09	11.23	1.50	0.00	0.00	
16	0.00	0.00	340.39	194.66	92.05	1299.83	1317.98	19.47	11.23	1.11	0.00	0.00	
17	0.00	0.00	194.66	187.22	157.41	1269.72	1687.85	18.67	10.55	0.75	0.00	0.00	
18	0.00	0.00	143.97	134.57	130.86	988.97	1591.56	18.67	9.87	0.43	0.00	0.00	
19	0.00	0.00	105.67	92.05	88.93	668.78	1293.79	17.89	9.87	0.00	0.00	0.00	
20	0.00	0.00	82.78	65.06	62.22	423.67	912.21	17.11	9.87	0.00	0.00	0.00	
21	0.00	0.00	59.41	52.55	56.64	340.39	564.96	16.34	10.55	0.00	0.00	0.00	
22	0.00	0.00	45.91	39.51	53.90	381.43	411.49	16.34	10.55	0.00	0.00	0.00	
23	0.00	0.00	35.80	31.01	44.61	744.50	451.43	14.83	10.55	0.00	0.00	0.00	
24	0.00	0.00	24.42	58.02	38.27	1174.65	405.43	14.09	10.55	0.00	0.00	0.00	
25	0.00	0.00	34.59	932.52	66.50	1503.05	334.63	14.09	10.55	0.00	0.00	0.00	
26	0.00	0.00	76.75	1963.52	105.67	2772.83	262.17	13.36	10.55	0.00	0.00	0.00	
27	0.00	0.00	67.94	2115.80	107.42	3118.74	217.43	12.64	9.21	0.00	0.00	0.00	
28	0.00	35.80	48.54	1623.49	112.72	2492.80	179.14	13.36	9.21	0.00	0.00	0.00	
29	0.00	39.51	84.31	917.28	110.95	1694.32	207.23	12.64	9.21	0.00		0.00	
30	0.00	25.28	97.02	420.62	88.93	1051.52	240.84	12.64	9.21	0.00		0.00	
31		22.74		251.45	79.75		204.70		8.56	0.00		0.00	
Total	0.00	123.33	4896.60	10278.62	2703.19	25875.45	15809.75	1403.73	333.55	75.56	0.00	0.00	61499.78 Tonday
Mean	0.00	3.98	163.22	331.57	87.20	862.51	509.99	46.79	10.76	2.44	0.00	0.00	168.49 Ton/day
Max	0.00	39.51	725.37	2115.80	295.04	3118.74	1687.85	189.69	12.64	8.56	0.00	0.00	3118.74 Ton/day
Min	0.00	0.00	11.23	21.91	18.67	81.27	143.97	12.64	8.56	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021

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
Drainage 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	2021		
Number of observation	20		
R-Square	0.7088		
Remarks	Continued Sediment Station		

$$QS = 7.3115 QW^{0.97360}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	19.23	10.29	1.08	14.36	54.56	88.29	58.80	3.43	2.85	2.26	1.38	
2	0.00	12.61	9.44	0.78	14.01	66.66	92.48	46.05	3.14	2.85	2.26	1.38	
3	0.00	10.57	9.44	0.78	13.66	57.59	84.70	37.49	3.14	2.41	2.26	1.38	
4	0.00	8.31	8.87	0.93	12.96	52.13	68.47	32.85	3.14	2.41	2.26	1.23	
5	0.00	5.45	8.02	0.93	12.61	45.44	55.77	25.24	3.43	2.41	2.12	1.23	
6	0.00	3.43	8.02	2.26	12.61	44.22	39.33	19.92	3.72	2.26	2.12	1.23	
7	0.00	3.14	8.02	19.23	12.26	36.88	32.30	15.06	3.29	2.26	2.12	1.23	
8	0.00	2.70	7.81	22.69	11.55	34.49	27.65	10.57	3.29	2.26	2.26	1.23	
9	0.00	2.70	7.38	22.00	10.57	60.01	22.00	10.29	3.14	2.26	2.70	1.23	
10	0.00	2.70	6.96	32.30	9.72	61.22	15.06	10.00	3.14	2.26	2.70	1.08	
11	0.00	2.56	6.96	25.24	9.16	57.59	18.19	10.00	2.85	2.26	3.00	1.08	
12	0.00	2.56	6.53	20.62	8.02	59.41	17.15	9.72	2.56	2.12	3.14	1.08	
13	0.00	2.26	6.53	16.80	7.60	54.56	16.10	9.72	2.56	2.12	3.43	1.08	
14	0.00	2.26	6.10	14.71	8.87	44.22	16.80	9.44	2.41	2.12	3.43	1.08	
15	0.00	2.12	5.45	13.66	11.91	24.76	30.66	9.16	2.41	2.12	3.14	1.23	
16	0.00	1.67	5.24	12.96	12.96	49.70	125.10	8.87	3.58	2.12	3.14	2.85	
17	0.00	1.67	4.81	12.61	14.36	81.10	206.23	8.59	3.43	2.12	3.14	3.00	
18	0.00	1.67	4.59	12.61	14.36	63.64	160.24	8.31	3.29	1.97	2.85	3.14	
19	0.00	1.67	3.94	10.85	13.31	47.87	139.78	7.81	3.00	1.97	2.70	3.14	
20	0.00	1.67	3.94	9.72	10.29	59.41	101.44	6.96	3.00	1.97	2.56	3.14	
21	0.00	2.26	3.29	8.02	9.16	58.80	75.09	6.10	3.00	2.12	2.26	3.43	
22	0.00	2.12	2.85	6.31	7.60	69.07	151.72	5.88	2.85	2.41	2.26	3.43	
23	0.00	1.97	2.26	5.45	6.10	237.38	143.19	5.67	2.70	2.56	1.97	3.58	
24	1.38	1.53	1.82	7.17	5.45	313.77	127.48	5.45	2.85	2.56	1.97	5.67	
25	1.97	1.38	1.53	23.72	10.29	354.20	106.87	5.45	4.59	2.56	1.82	5.24	
26	5.67	1.53	1.38	97.46	9.44	468.95	91.89	5.02	3.72	2.41	1.67	3.94	
27	6.10	3.29	1.38	80.50	12.26	362.27	85.90	4.81	3.43	2.41	1.53	3.43	
28	10.29	26.68	1.08	52.74	105.29	210.39	77.50	4.59	3.14	2.41	1.38	3.00	
29	22.69	19.58	1.08	29.09	94.87	122.73	59.41	4.16	3.00	2.41		2.85	
30	24.07	11.91	1.08	19.58	77.50	91.29	78.70	3.72	3.00	2.26		2.56	
31		10.29		15.41	58.20		75.09		3.00	2.26		2.41	
Total	72.17	173.49	156.09	598.21	631.31	3344.31	2430.58	405.70	97.23	71.49	68.45	72.96	8121.99 Tonday
Mean	2.41	5.60	5.20	19.30	20.36	111.48	78.41	13.52	3.14	2.31	2.44	2.35	22.25 Ton/day
Max	24.07	26.68	10.29	97.46	105.29	468.95	206.23	58.80	4.59	2.85	3.43	5.67	468.95 Ton/day
Min	0.00	1.38	1.08	0.78	5.45	24.76	15.06	3.72	2.41	1.97	1.38	1.08	0.00 Ton/day

WATER YEAR : 2021

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
Drainage 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	2021		
Number of observation	20		
R-Square	0.7434		
Remarks	Continued Sediment Station		

$$QS = 3.9803 QW^{1.19070}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.35	42.87	43.98	4.95	58.09	248.31	740.95	199.09	17.75	11.63	5.99	5.54	
2	0.35	25.64	39.56	4.95	52.31	229.41	529.68	180.78	17.03	11.29	5.69	5.09	
3	0.35	17.39	35.75	4.56	46.43	208.34	478.94	161.82	15.60	10.45	5.54	4.95	
4	0.35	25.64	30.96	4.36	42.87	217.67	412.06	142.21	15.08	10.29	5.54	4.85	
5	0.35	41.21	27.44	4.27	39.01	222.35	319.24	122.68	14.72	9.47	5.24	4.75	
6	0.45	41.76	24.30	10.62	36.29	235.50	239.33	116.15	14.20	8.65	5.09	4.65	
7	2.43	25.64	23.23	14.55	32.54	235.50	202.55	108.86	13.85	8.01	5.09	4.46	
8	2.25	16.85	21.98	14.72	28.86	245.74	184.19	97.69	13.51	7.54	4.85	4.27	
9	1.50	13.51	20.25	18.29	25.19	376.74	176.25	87.49	13.16	6.91	4.75	4.27	
10	1.26	11.96	18.78	31.49	23.55	510.34	181.92	78.24	12.99	6.91	4.56	3.98	
11	1.10	11.12	17.57	24.75	21.98	644.59	166.55	73.68	12.47	6.91	4.36	3.60	
12	1.10	10.79	16.49	20.74	19.51	689.79	176.25	68.42	12.13	6.60	4.17	3.42	
13	1.10	10.45	15.96	18.78	17.75	465.09	276.86	65.44	11.96	6.60	3.98	3.05	
14	1.10	10.45	16.67	35.22	16.85	316.18	299.44	62.48	11.63	6.60	3.98	2.96	
15	1.10	10.45	16.14	33.61	17.21	283.42	383.43	58.09	11.63	6.60	3.89	2.87	
16	1.14	10.45	14.72	25.64	40.11	343.87	668.21	54.47	11.29	6.60	4.17	2.87	
17	3.14	10.29	13.68	41.76	43.98	547.36	1927.44	49.60	11.12	6.45	5.84	2.87	
18	3.89	9.96	12.47	83.62	36.29	549.23	1660.76	45.79	10.79	6.45	5.84	3.51	
19	9.47	9.63	11.79	79.01	26.99	463.36	1168.91	41.21	10.45	6.45	5.84	4.85	
20	9.30	9.79	11.12	61.01	22.92	351.63	825.43	38.46	10.45	6.45	5.69	4.95	
21	8.01	12.82	10.45	45.16	22.60	353.19	577.52	37.92	10.29	6.30	5.69	9.47	
22	6.30	15.08	9.30	34.14	41.21	556.75	707.14	37.92	10.29	6.30	5.69	12.65	
23	4.36	15.43	8.17	36.29	39.01	964.17	760.58	35.75	9.96	6.30	5.54	12.99	
24	4.46	12.65	7.54	66.93	32.01	1075.33	527.91	32.01	9.96	6.30	5.54	12.47	
25	4.56	11.63	6.45	114.52	26.54	1462.20	323.84	28.86	12.47	6.14	5.39	11.63	
26	5.09	10.79	6.30	415.45	35.22	2497.08	229.41	25.19	14.20	6.14	5.39	11.29	
27	11.12	11.79	5.69	337.69	42.87	1679.46	199.09	21.36	13.33	6.14	5.54	11.29	
28	21.36	50.88	5.54	250.89	56.64	1279.22	180.78	19.76	12.99	5.99	5.54	11.12	
29	54.47	51.60	4.95	183.05	112.09	1297.16	204.87	19.27	12.82	5.99		10.95	
30	53.03	49.60	4.95	117.78	152.43	1047.50	297.93	18.54	12.65	5.99		10.45	
31		47.69		72.17	287.37		254.76		12.47	5.99		10.12	
Total	214.84	655.81	502.18	2210.97	1496.72	19596.48	15282.22	2129.23	393.24	224.44	144.42	206.19	43056.74 Tonday
Mean	7.16	21.16	16.74	71.32	48.28	653.22	492.97	70.97	12.69	7.24	5.16	6.65	117.96 Ton/day
Max	54.47	51.60	43.98	415.45	287.37	2497.08	1927.44	199.09	17.75	11.63	5.99	12.99	2497.08 Ton/day
Min	0.35	9.63	4.95	4.27	16.85	208.34	166.55	18.54	9.96	5.99	3.89	2.87	0.35 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	20		
R-Square	0.5157		
Remarks	Continued Sediment Station		

$$QS = 4.5008 QW^{0.91760}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.99	41.65	39.27	1.21	21.15	126.98	130.65	44.35	14.25	8.70	6.93	6.93	
2	2.99	31.38	36.20	1.03	19.64	100.30	118.26	43.00	13.98	8.70	6.93	6.93	
3	2.99	24.01	33.11	0.64	21.44	108.81	112.15	41.31	13.46	8.70	6.93	6.93	
4	4.34	20.90	30.68	0.44	22.87	91.23	105.08	36.89	13.24	8.50	7.91	6.61	
5	6.45	19.38	27.89	0.00	30.68	58.95	99.24	33.45	12.79	8.50	7.72	6.61	
6	8.50	28.59	26.27	0.00	28.24	61.50	72.42	32.07	12.56	8.31	7.52	6.61	
7	8.11	25.99	23.73	0.00	26.27	59.37	58.95	29.99	12.56	8.31	7.52	6.61	
8	7.13	24.01	22.01	4.00	21.44	67.00	53.94	28.59	12.33	8.11	7.32	6.61	
9	6.13	18.62	20.14	17.09	18.88	95.51	45.02	26.84	12.11	7.91	7.32	6.45	
10	5.81	12.56	18.37	25.99	13.46	93.91	50.30	26.27	11.88	7.91	6.77	6.45	
11	5.48	11.65	16.57	34.83	10.97	146.80	104.02	25.14	11.88	7.91	6.61	6.45	
12	6.61	10.51	15.03	42.66	9.82	153.22	100.84	24.01	11.43	7.91	7.91	6.45	
13	10.74	9.36	14.51	45.02	8.70	97.11	106.66	23.73	11.20	7.91	8.89	6.45	
14	10.51	8.89	15.54	38.93	7.52	59.80	112.71	22.58	11.20	7.91	8.70	6.29	
15	10.05	7.32	14.51	33.11	7.52	65.31	109.92	21.73	10.97	7.91	8.50	6.29	
16	8.70	6.93	12.79	29.29	17.86	61.07	126.98	20.65	10.74	7.91	8.31	6.29	
17	6.45	6.45	10.97	24.58	20.14	64.04	185.07	19.64	10.51	7.91	8.89	6.29	
18	6.93	6.45	9.82	22.30	17.09	93.38	189.86	19.38	10.51	7.72	8.89	6.61	
19	7.91	6.93	8.89	19.89	13.46	85.93	170.73	19.38	10.05	7.72	8.89	13.24	
20	7.91	6.93	8.31	17.60	13.46	107.19	136.50	19.13	10.05	7.72	8.70	12.33	
21	7.52	7.13	7.13	16.06	16.57	82.88	118.82	18.88	9.59	7.52	8.31	10.28	
22	7.32	6.77	6.61	14.77	16.83	102.43	215.09	18.37	9.36	7.52	8.11	18.37	
23	7.13	6.61	5.97	15.03	17.34	175.52	161.17	18.11	8.89	7.52	7.91	34.14	
24	6.93	6.93	4.99	22.87	17.34	208.81	109.92	17.60	8.89	7.52	7.72	37.23	
25	6.93	14.77	4.50	41.31	17.09	186.67	81.35	16.83	9.59	7.32	7.52	24.01	
26	7.32	24.86	3.67	108.81	17.09	213.52	65.73	16.06	9.82	7.32	7.13	18.37	
27	23.44	28.59	2.82	115.49	20.14	241.13	58.09	15.54	9.82	7.13	6.93	15.03	
28	19.64	44.35	2.47	89.09	81.35	224.47	53.94	15.28	9.36	7.13	6.93	13.01	
29	25.43	45.02	2.30	63.62	131.38	197.75	52.12	14.77	8.89	7.13		18.62	
30	39.61	44.35	1.94	43.00	118.82	151.62	49.93	14.77	8.89	7.13		15.80	
31		42.32		24.58	167.51		47.36		8.70	6.93		13.46	
Total	288.00	600.21	447.01	913.24	972.07	3582.21	3202.82	724.34	339.50	242.35	217.72	361.75	11891.22 Tonday
Mean	9.60	19.36	14.90	29.46	31.36	119.41	103.32	24.14	10.95	7.82	7.78	11.67	32.58 Ton/day
Max	39.61	45.02	39.27	115.49	167.51	241.13	215.09	44.35	14.25	8.70	8.89	37.23	241.13 Ton/day
Min	2.99	6.45	1.94	0.00	7.52	58.95	45.02	14.77	8.70	6.93	6.61	6.29	0.00 Ton/day

WATER YEAR : 2021**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
Drainage 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	2021		
Number of observation	22		
R-Square	0.4673		
Remarks	Continued Sediment Station		

$$QS = 3.7915 QW^{1.21560}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.52	7.23	53.69	3.79	66.48	224.39	542.17	431.01	23.92	10.16	3.79	4.26	
2	15.30	10.16	43.20	11.83	66.10	273.76	342.09	342.09	22.33	8.27	11.27	11.27	
3	10.99	13.83	30.12	21.70	63.81	273.76	307.58	257.11	20.76	7.23	20.14	20.76	
4	7.75	18.30	30.45	32.46	60.78	240.65	290.58	189.73	20.76	5.96	28.13	27.80	
5	5.46	22.96	41.08	40.02	60.78	307.58	240.65	158.84	18.30	5.71	31.12	29.45	
6	3.34	27.47	51.12	50.03	47.49	290.58	194.36	144.66	13.83	5.46	31.12	29.12	
7	2.46	28.79	58.52	57.78	29.45	224.39	162.43	134.18	12.97	4.97	30.12	30.78	
8	2.67	28.46	68.40	65.71	10.44	189.73	149.95	125.55	12.40	5.71	29.45	34.50	
9	3.34	28.13	69.17	75.39	4.26	171.45	135.91	122.13	11.27	10.16	31.12	37.24	
10	4.73	28.79	69.94	94.09	16.78	189.73	127.27	117.37	11.27	19.52	41.78	25.52	
11	4.49	28.79	69.94	110.63	32.12	224.39	132.44	111.30	10.44	25.85	53.32	12.68	
12	8.54	25.85	69.94	128.99	6.97	342.09	180.55	106.61	9.89	28.79	58.15	6.46	
13	15.59	23.28	71.10	130.71	4.49	377.22	273.76	92.14	10.16	29.45	60.78	3.79	
14	19.21	21.70	73.04	122.98	5.96	377.22	776.65	73.82	10.16	29.78	60.02	3.11	
15	21.39	20.14	69.55	122.98	5.22	486.03	1394.58	68.01	9.07	30.12	44.98	3.11	
16	24.56	18.60	66.86	123.84	6.71	657.55	1174.47	62.29	7.49	31.12	28.79	3.11	
17	38.63	18.60	61.53	124.69	22.01	716.66	2622.82	60.02	5.46	30.78	14.41	4.02	
18	74.60	21.39	50.76	117.37	34.16	657.55	2244.31	61.53	14.12	28.46	6.97	5.96	
19	95.40	25.52	41.08	110.63	31.79	431.01	1067.02	55.17	31.79	24.88	6.21	18.30	
20	90.84	37.24	24.88	97.36	34.84	324.75	657.55	52.59	32.46	20.76	5.71	38.28	
21	64.95	58.15	5.96	85.29	41.08	273.76	431.01	51.49	31.45	14.12	5.96	15.00	
22	49.30	63.05	3.56	83.29	56.28	307.58	342.09	50.39	31.79	7.23	6.46	17.39	
23	32.12	70.71	2.67	81.70	67.24	899.09	486.03	42.84	32.80	5.71	5.96	32.46	
24	22.01	82.10	2.25	81.30	63.81	2116.28	542.17	25.20	32.80	5.22	4.73	42.84	
25	14.12	111.97	1.63	80.90	82.49	2141.78	377.22	26.17	33.82	5.46	3.56	57.03	
26	5.96	116.01	1.63	83.69	96.05	2408.34	307.58	23.28	46.41	5.71	2.89	46.41	
27	5.22	105.28	1.63	82.89	101.97	3988.40	240.65	20.45	52.22	5.22	2.25	39.67	
28	6.71	80.11	2.04	81.30	104.62	2746.80	199.00	22.33	51.85	4.49	1.83	40.02	
29	8.01	69.94	2.46	78.14	123.84	1736.49	224.39	26.50	51.12	3.79		38.98	
30	7.23	63.43	2.67	73.43	144.66	837.47	324.75	24.24	47.49	2.67		38.28	
31		59.27		70.33	166.93		486.03		23.28	2.04		41.78	
Total	684.44	1335.25	1140.87	2525.24	1659.61	24436.48	16978.06	3079.04	743.88	424.80	631.02	759.38	54398.07 Tonday
Mean	22.81	43.07	38.03	81.46	53.54	814.55	547.68	102.63	24.00	13.70	22.54	24.50	149.04 Ton/day
Max	95.40	116.01	73.04	130.71	166.93	3988.40	2622.82	431.01	52.22	31.12	60.78	57.03	3988.40 Ton/day
Min	2.46	7.23	1.63	3.79	4.26	171.45	127.27	20.45	5.46	2.04	1.83	3.11	1.63 Ton/day

WATER YEAR : 2021

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
Drainage 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	2021		
Number of observation	23		
R-Square	0.7407		
Remarks	Continued Sediment Station		

$$QS = 1.9196 QW^{1.18260}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	64.39	222.01	23.11	53.98	122.10	87.40	59.73	282.06	32.19	4.25	3.37	3.72	
2	61.66	180.31	18.52	39.14	101.86	92.54	36.98	279.36	17.88	4.51	3.50	3.72	
3	60.12	145.35	12.27	27.85	73.26	96.02	22.45	279.36	12.94	4.88	3.45	3.75	
4	62.44	108.94	11.67	23.78	57.04	92.54	17.56	279.36	9.77	4.80	3.50	3.90	
5	66.35	72.27	11.67	23.78	51.71	96.02	15.35	285.98	7.65	4.90	3.75	4.41	
6	69.30	65.37	11.07	23.11	44.25	167.20	14.57	289.92	6.43	4.88	4.20	4.59	
7	62.44	63.41	11.37	12.57	40.59	247.96	14.29	293.87	5.62	4.75	4.36	5.06	
8	56.27	68.31	39.14	11.97	41.32	283.72	14.88	297.82	4.88	4.49	4.28	6.65	
9	48.70	78.27	84.34	10.18	34.84	309.93	16.61	297.82	4.49	4.10	4.13	7.77	
10	42.78	70.29	64.39	34.13	32.01	384.98	19.49	297.82	4.20	3.90	3.90	7.60	
11	38.42	46.47	226.56	62.44	31.31	418.91	22.95	289.92	4.25	4.25	3.80	6.76	
12	35.55	36.98	214.47	80.29	37.70	408.76	31.14	282.06	4.96	4.05	3.50	6.49	
13	36.98	15.35	196.53	77.26	38.42	396.74	40.95	276.67	5.22	3.35	3.20	6.27	
14	37.70	11.37	159.99	66.35	48.70	451.64	59.73	268.62	4.82	3.05	3.20	5.86	
15	36.98	8.73	149.08	53.98	67.33	519.32	89.78	257.94	4.75	2.83	3.22	5.62	
16	34.13	6.21	155.68	34.84	92.54	560.31	146.15	239.42	5.06	2.69	3.27	5.38	
17	34.84	4.10	88.43	24.45	110.13	580.99	210.06	226.56	4.75	2.57	4.10	5.19	
18	45.73	6.49	44.25	23.78	110.13	578.68	255.28	205.38	4.72	2.43	4.72	5.06	
19	59.34	8.73	36.26	26.48	99.52	558.02	279.36	191.44	4.98	2.19	4.88	5.11	
20	64.39	7.88	33.42	29.92	80.29	501.42	285.98	184.53	5.11	1.72	5.19	5.43	
21	69.30	5.94	22.45	30.62	65.37	459.88	285.98	169.47	4.75	1.85	5.67	6.08	
22	63.41	4.88	21.79	27.85	61.66	443.42	289.92	151.48	4.67	2.06	6.19	6.16	
23	57.80	4.88	22.45	27.85	60.89	443.42	293.87	138.43	4.56	2.22	6.32	6.27	
24	54.74	5.14	21.79	31.31	59.34	512.54	301.78	123.53	4.67	2.40	6.24	6.49	
25	50.96	24.45	23.11	62.44	60.89	578.68	301.78	110.68	4.88	2.91	5.43	6.27	
26	47.96	54.74	26.48	122.10	57.80	627.33	289.92	96.69	4.64	3.30	4.64	6.65	
27	57.80	55.51	24.45	149.08	55.51	89.78	282.06	82.31	4.56	3.37	4.18	6.90	
28	137.94	50.20	29.92	155.68	63.41	100.86	276.67	76.26	4.98	3.45	3.80	6.76	
29	228.08	42.78	57.04	149.08	67.33	95.32	282.06	59.73	5.14	3.42		6.98	
30	244.88	33.42	65.37	140.41	69.30	80.29	285.98	46.84	4.88	3.45		7.15	
31		27.85		135.49	77.26		285.98		4.33	3.45		6.90	
Total	2031.38	1536.63	1907.07	1772.19	2013.81	10264.62	4829.29	6361.33	206.73	106.47	119.99	180.95	31330.46 Tonday
Mean	67.71	49.57	63.57	57.17	64.96	342.15	155.78	212.04	6.67	3.43	4.29	5.84	85.84 Ton/day
Max	244.88	222.01	226.56	155.68	122.10	627.33	301.78	297.82	32.19	4.90	6.32	7.77	627.33 Ton/day
Min	34.13	4.10	11.07	10.18	31.31	80.29	14.29	46.84	4.20	1.72	3.20	3.72	1.72 Ton/day

WATER YEAR : 2021

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
Drainge 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	2021		
Number of observation	20		
R-Square	0.7048		
Remarks	Continued Sediment Station		

$$QS = 4.2559 QW^{0.96290}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	112.54	277.18	225.84	115.43	461.04	282.42	1631.81	3988.22	1088.69	445.70	246.06	169.85	
2	116.87	317.20	264.96	128.39	452.27	329.34	1695.96	3988.22	922.59	450.08	254.47	208.94	
3	131.27	282.42	298.09	112.54	450.08	351.49	1893.62	3977.51	893.59	461.04	263.22	217.40	
4	148.46	242.70	308.52	100.96	452.27	367.52	2142.55	3956.10	889.06	463.23	268.46	225.84	
5	173.26	254.47	298.09	87.87	425.40	496.02	2489.13	3913.26	850.46	447.89	271.95	234.28	
6	210.63	327.61	291.13	100.96	399.49	647.22	2845.97	3859.69	802.70	415.44	263.22	225.84	
7	225.84	375.52	256.22	90.78	320.67	715.97	3741.72	3806.08	736.55	383.52	252.79	237.65	
8	232.59	357.51	299.83	126.96	263.22	715.97	4133.57	3730.99	704.53	375.52	247.75	266.71	
9	219.09	318.94	397.50	205.55	237.65	743.40	4322.04	3655.84	686.22	363.52	244.38	299.83	
10	181.78	270.20	409.47	289.39	215.71	873.17	4322.04	3569.88	649.52	336.27	244.38	275.44	
11	164.16	254.47	452.27	349.49	183.48	1038.24	4221.56	3494.60	582.80	318.94	227.53	247.75	
12	152.75	246.06	485.10	407.47	198.77	1045.47	4070.67	3423.06	580.50	301.57	229.22	247.75	
13	134.14	249.43	513.47	353.50	141.31	963.63	3934.68	3362.23	557.42	280.67	241.01	247.75	
14	141.31	282.42	513.47	296.35	141.31	951.55	3859.69	3301.37	537.44	259.72	249.43	244.38	
15	147.03	266.71	491.65	322.41	145.60	1052.66	3806.08	3230.30	543.97	275.44	259.72	246.06	
16	158.46	202.16	467.60	361.51	139.87	1172.54	3763.18	3161.72	535.26	291.13	280.67	230.90	
17	154.18	220.78	465.41	353.50	157.03	1210.80	3720.26	3072.72	533.08	261.47	285.90	205.55	
18	164.16	151.32	450.08	351.49	142.74	1172.54	3709.53	2965.80	533.08	256.22	287.64	203.86	
19	198.77	181.78	441.31	365.52	138.44	1088.69	3709.53	2837.68	456.66	256.22	289.39	205.55	
20	174.96	155.60	421.42	367.52	188.58	980.48	3709.53	2700.39	482.91	271.95	289.39	207.24	
21	157.03	181.78	423.41	371.52	164.16	970.84	3709.53	2587.16	485.10	301.57	298.09	224.15	
22	145.60	180.08	401.49	361.51	165.58	975.66	3709.53	2461.87	509.11	285.90	301.57	244.38	
23	134.14	147.03	273.69	345.48	169.85	1057.46	3709.53	2306.77	511.29	263.22	256.22	227.53	
24	108.20	155.60	202.16	373.52	121.20	1172.54	3730.99	2111.59	496.02	249.43	176.67	224.15	
25	98.05	193.68	181.78	407.47	103.86	1306.25	3763.18	1924.06	461.04	251.11	149.89	227.53	
26	111.10	225.84	195.38	441.31	106.76	1407.00	3773.91	1763.26	454.47	249.43	129.83	235.96	
27	144.17	214.01	197.07	443.51	106.76	1475.10	3763.18	1608.35	437.34	244.38	126.96	239.33	
28	180.08	195.38	198.77	433.36	118.32	1543.09	3784.63	1475.10	419.43	225.84	141.31	237.65	
29	234.28	203.86	178.37	431.37	154.18	1579.65	3848.97	1313.41	353.50	222.47		263.22	
30	273.69	207.24	145.60	405.48	185.18	1600.52	3913.26	1198.86	429.38	232.59		277.18	
31		212.32		399.49	210.63		3966.81		467.60	239.33		165.58	
Total	4928.59	7351.30	10149.15	9301.61	6861.41	29287.23	109396.64	88746.09	18591.31	9680.81	6777.12	7215.23	308286.49 Tonday
Mean	164.29	237.14	338.31	300.05	221.34	976.24	3528.92	2958.20	599.72	312.28	242.04	232.75	844.62 Ton/day
Max	273.69	375.52	513.47	443.51	461.04	1600.52	4322.04	3988.22	1088.69	463.23	301.57	299.83	4322.04 Ton/day
Min	98.05	147.03	145.60	87.87	103.86	282.42	1631.81	1198.86	353.50	222.47	126.96	165.58	87.87 Ton/day

WATER YEAR : 2021

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
Drainage 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	2021				
Number of observation	24				
R-Square	0.9008				
Remarks	Continued Sediment Station				

$$QS = 1.2701 QW^{1.49600}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	69.38	185.69	50.65	0.00	32.59	267.07	2296.15	2388.11	24.85	7.75	29.84	3.32	
2	65.83	304.84	35.41	0.00	19.94	231.00	2406.65	2296.15	20.89	7.24	32.59	5.77	
3	60.63	362.65	25.88	0.00	13.69	198.23	2530.63	2214.42	21.86	5.77	33.99	8.99	
4	64.08	362.65	16.27	0.00	9.73	185.69	2551.89	2147.07	22.84	5.77	31.21	8.27	
5	71.18	311.88	12.86	0.00	6.74	183.21	2509.43	2027.58	21.86	5.30	33.99	8.27	
6	95.88	277.21	12.05	0.00	3.99	171.01	2406.65	1899.65	20.89	3.06	32.59	7.24	
7	156.73	260.39	11.26	0.00	4.42	166.20	2277.91	1751.50	20.89	2.81	32.59	7.24	
8	200.77	263.72	7.75	0.00	3.45	237.43	2133.68	1579.06	19.94	3.06	35.41	14.53	
9	208.97	263.72	9.73	3.58	2.69	483.70	1922.21	1370.10	18.07	2.81	31.21	47.46	
10	218.32	250.46	6.25	129.45	3.19	687.99	1614.50	1228.31	12.86	2.69	23.84	80.39	
11	221.47	212.07	3.32	180.75	4.85	840.11	1151.18	1102.48	12.86	2.10	22.84	80.39	
12	237.43	178.30	3.32	205.88	3.32	950.39	849.95	986.41	9.73	1.99	19.00	78.52	
13	237.43	138.35	2.93	175.86	6.25	1086.40	729.75	874.71	10.48	2.10	16.27	80.39	
14	195.70	72.99	3.32	147.45	10.48	1228.31	697.20	743.85	8.27	1.88	12.86	72.99	
15	195.70	82.28	2.81	145.15	11.26	1412.66	777.10	620.23	8.27	1.46	14.53	58.92	
16	183.21	62.35	2.45	171.01	12.05	1643.03	940.18	475.55	15.39	1.08	12.05	52.27	
17	156.73	55.57	1.88	198.23	14.53	1802.89	1239.46	344.23	10.48	0.96	8.27	45.89	
18	108.08	52.27	1.14	237.43	16.27	1922.21	1643.03	263.72	8.27	0.96	14.53	44.34	
19	95.88	47.46	0.59	273.82	21.86	2027.58	1907.16	203.32	8.27	0.79	21.86	36.86	
20	112.25	32.59	0.24	250.46	32.59	2120.32	2093.68	178.30	6.74	0.56	23.84	38.32	
21	116.47	50.65	0.04	166.20	50.65	2173.93	2227.97	152.07	6.74	0.24	23.84	39.80	
22	114.35	42.81	0.00	99.89	58.92	2214.42	2388.11	108.08	6.74	0.26	19.94	42.81	
23	103.96	31.21	0.00	69.38	78.52	2227.97	2488.29	116.47	6.74	0.49	16.27	45.89	
24	88.02	21.86	0.00	57.24	95.88	2200.89	2637.51	103.96	7.24	0.26	9.73	47.46	
25	89.97	25.88	0.00	64.08	101.92	2227.97	2782.28	91.92	6.74	4.42	5.30	47.46	
26	89.97	33.99	0.00	112.25	131.66	2241.56	2831.10	78.52	8.99	18.07	3.45	49.05	
27	80.39	39.80	0.00	138.35	215.19	2227.97	2782.28	69.38	7.75	22.84	3.32	50.65	
28	74.82	55.57	0.00	125.07	370.10	2214.42	2757.97	62.35	7.75	25.88	3.32	47.46	
29	78.52	82.28	0.00	108.08	404.28	2214.42	2685.48	55.57	8.27	24.85		41.29	
30	108.08	84.18	0.00	80.39	366.37	2227.97	2573.21	41.29	7.24	23.84		36.86	
31		69.38		50.65	326.13		2488.29		8.27	27.18		33.99	
Total	3900.20	4315.05	210.15	3190.65	2433.51	40016.95	63320.88	25574.36	386.18	208.47	568.48	1263.09	145387.97 Tonday
Mean	130.01	139.20	7.00	102.92	78.50	1333.90	2042.61	852.48	12.46	6.72	20.30	40.74	398.32 Ton/day
Max	237.43	362.65	50.65	273.82	404.28	2241.56	2831.10	2388.11	24.85	27.18	35.41	80.39	2831.10 Ton/day
Min	60.63	21.86	0.00	0.00	2.69	166.20	697.20	41.29	6.74	0.24	3.32	3.32	0.00 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	23		
R-Square	0.8021		
Remarks	Continued Sediment Station		

$$QS = 35.1720 QW^{0.68990}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	296.71	354.73	206.40	24.15	8.61	19.65	2900.31	4417.07	2588.75	188.52	114.02	32.20	
2	262.30	337.36	157.69	22.70	7.18	15.33	2937.60	4429.50	2479.47	188.52	106.76	32.20	
3	250.37	341.74	131.99	20.27	7.18	16.37	2979.30	4441.91	2360.65	188.52	106.76	31.95	
4	238.19	359.01	109.69	18.04	12.76	22.70	3016.15	4441.91	2210.86	196.43	106.76	31.70	
5	228.86	363.27	78.47	15.33	32.71	46.52	3052.80	4417.07	2056.37	211.84	94.66	31.44	
6	219.36	444.31	60.59	13.52	66.18	58.68	3093.79	4404.62	1894.44	219.36	88.35	31.19	
7	203.10	485.38	52.76	11.59	94.66	75.05	3132.93	4379.68	1720.97	211.84	75.05	31.19	
8	186.23	392.48	97.75	8.61	146.38	146.38	3171.21	4343.54	1564.89	196.43	68.00	31.44	
9	175.77	380.09	262.30	4.45	165.03	186.23	3200.02	4298.88	1434.62	188.52	60.59	31.44	
10	165.03	400.65	350.42	0.00	153.96	266.22	3228.72	4265.25	1317.90	172.23	52.76	31.19	
11	150.19	428.67	350.42	0.00	131.99	412.76	3280.09	4208.92	1191.35	166.24	44.36	30.93	
12	134.66	453.58	328.53	0.00	112.58	695.96	3331.72	4152.26	1044.73	172.23	35.17	30.67	
13	123.84	511.18	270.11	0.00	71.56	822.26	3392.96	4072.34	877.92	160.15	34.93	30.15	
14	115.44	650.90	189.66	0.00	42.15	927.58	3457.42	3991.71	713.62	153.96	34.69	29.63	
15	103.80	759.99	146.38	0.00	30.93	984.77	3540.29	3910.34	641.72	147.65	34.69	29.11	
16	97.75	798.57	146.38	0.00	42.15	1040.50	3659.98	3837.04	389.19	147.65	34.44	29.11	
17	94.66	779.39	150.19	0.00	109.69	1120.66	3774.97	3764.58	380.09	141.22	33.95	29.11	
18	94.66	745.29	134.66	0.00	75.05	1161.29	3898.65	3649.45	342.61	147.65	33.45	29.11	
19	100.79	700.40	118.27	0.00	44.36	1255.34	4037.87	3549.44	292.04	147.65	33.45	29.63	
20	97.75	673.60	94.66	0.00	30.15	1416.24	4152.26	3457.42	248.36	141.22	33.45	29.37	
21	94.66	632.48	75.05	0.00	25.57	1586.85	4242.76	3358.03	234.06	141.22	33.45	29.37	
22	88.35	516.27	62.48	0.00	21.20	1791.26	4310.07	3263.00	204.20	166.24	33.45	29.63	
23	85.11	416.76	44.36	0.00	18.69	2004.63	4343.54	3188.51	166.24	219.36	33.21	30.41	
24	81.82	319.58	33.95	0.00	18.69	2176.41	4379.68	3127.44	121.07	196.43	33.21	35.17	
25	78.47	225.72	32.20	0.00	18.04	2346.34	4392.16	3061.93	127.95	147.65	33.21	121.07	
26	97.75	186.23	29.63	8.61	18.04	2499.49	4404.62	3002.36	166.24	147.65	33.21	33.21	
27	246.34	277.83	27.50	8.61	18.04	2627.98	4417.07	2932.95	172.23	141.22	32.96	33.45	
28	350.42	436.52	25.57	9.50	17.05	2724.92	4417.07	2862.80	219.36	134.66	32.45	106.76	
29	375.91	480.15	24.73	11.59	18.69	2791.86	4417.07	2772.81	226.77	127.95		127.95	
30	359.01	396.58	25.57	10.77	22.70	2853.38	4417.07	2696.00	204.20	127.95		94.66	
31		273.98		9.50	22.70		4417.07		188.52	121.07		75.05	
Total	5197.30	14522.69	3818.36	197.24	1604.67	34093.61	115397.22	112698.76	27781.39	5159.23	1491.44	1329.49	323291.40 Ton/day
Mean	173.24	468.47	127.28	6.36	51.76	1136.45	3722.49	3756.63	896.17	166.43	53.27	42.89	885.73 Ton/day
Max	375.91	798.57	350.42	24.15	165.03	2853.38	4417.07	4441.91	2588.75	219.36	114.02	127.95	4441.91 Ton/day
Min	78.47	186.23	24.73	0.00	7.18	15.33	2900.31	2696.00	121.07	121.07	32.45	29.11	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	42		
R-Square	0.9495		
Remarks	Continued Sediment Station		

$$QS = 5.6450 QW^{1.05620}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	10.19	127.96	16.12	8.97	58.83	19.92	3161.98	8930.39	2292.40	53.44	16.75	13.92	
2	10.19	127.96	14.86	8.66	95.82	23.12	3454.91	9080.45	2095.88	52.10	16.12	13.92	
3	10.50	137.84	19.28	7.75	113.93	23.12	3770.22	9186.46	1884.09	48.75	14.86	13.92	
4	11.12	161.47	26.99	6.84	84.76	30.90	4053.10	9239.49	1678.40	46.75	16.12	13.61	
5	12.98	139.96	49.75	6.24	98.59	54.79	4383.75	9292.53	1520.59	44.75	16.12	13.61	
6	12.98	118.13	86.14	5.64	113.93	68.33	4792.52	9345.59	1347.68	41.76	15.49	13.61	
7	12.36	125.15	120.93	5.41	88.90	76.52	5280.35	9186.46	1217.18	35.81	14.86	13.29	
8	12.05	154.85	146.33	5.64	98.59	132.19	5813.71	8978.92	1089.78	26.99	18.01	13.29	
9	11.74	178.20	135.72	5.41	115.33	189.89	6401.69	8784.86	963.17	26.99	26.02	12.36	
10	11.74	196.59	158.20	5.17	80.64	184.87	6879.38	8454.61	822.67	27.97	24.09	11.74	
11	11.43	225.28	115.33	4.93	48.75	529.54	7315.19	8146.99	554.85	27.97	25.05	11.43	
12	11.12	408.86	65.61	4.70	41.76	563.99	7708.60	7839.98	354.11	28.94	21.20	11.12	
13	10.81	577.71	40.76	4.93	38.78	573.13	8059.21	7533.62	368.98	29.92	18.65	10.81	
14	10.50	509.29	29.92	4.93	38.78	646.56	8322.70	7140.69	359.09	29.92	17.38	10.50	
15	10.50	484.09	20.56	4.46	39.77	762.17	8498.60	6753.27	280.24	30.90	16.75	10.50	
16	10.50	468.99	15.49	4.46	45.75	864.70	8736.38	6367.02	232.04	32.86	16.12	10.19	
17	10.50	453.92	15.49	3.99	44.75	930.29	8978.92	6055.45	208.42	32.86	16.75	9.89	
18	10.81	438.87	15.49	3.29	28.94	1001.62	9239.49	5680.12	183.21	33.84	18.01	11.12	
19	11.74	408.86	14.23	2.94	19.92	1084.26	9398.67	5409.14	164.83	34.83	17.38	19.92	
20	11.43	240.54	12.67	2.77	16.75	1228.29	9451.76	5151.74	146.33	33.84	17.38	40.76	
21	11.74	119.53	11.12	2.43	14.23	1347.68	9292.53	4920.66	126.56	32.86	18.01	60.18	
22	33.84	102.76	9.89	2.26	13.29	1482.07	9133.45	4690.15	113.93	29.92	17.38	97.21	
23	106.94	93.05	8.97	2.09	12.67	1591.34	8930.39	4485.76	97.21	26.99	16.75	106.94	
24	127.96	86.14	8.66	2.26	12.98	1811.06	8736.38	4205.54	83.39	23.12	16.12	105.55	
25	127.96	82.01	9.58	3.29	14.54	2071.38	8542.61	3812.38	90.28	19.92	16.12	102.76	
26	109.73	191.55	8.66	4.70	18.01	2226.79	8366.65	3559.85	93.05	18.65	15.49	106.94	
27	104.16	285.16	8.36	4.46	15.49	2428.03	8278.75	3266.44	90.28	17.38	14.86	111.13	
28	105.55	127.96	8.66	4.93	13.61	2626.03	8234.82	2995.24	84.76	17.38	14.54	113.93	
29	111.13	66.97	8.36	14.86	12.67	2775.06	8366.65	2762.63	72.42	18.01		112.53	
30	118.13	36.80	9.27	39.77	12.05	2928.68	8591.03	2539.31	54.79	18.01		115.33	
31		22.16		45.75	13.61		8784.86		54.79	17.38		123.74	
Total	1182.33	6898.61	1211.40	233.93	1466.42	30276.32	228959.25	193795.74	18725.40	960.81	492.38	1435.75	485638.34 Tonday
Mean	39.41	222.54	40.38	7.55	47.30	1009.21	7385.78	6459.86	604.05	30.99	17.59	46.31	1330.52 Ton/day
Max	127.96	577.71	158.20	45.75	115.33	2928.68	9451.76	9345.59	2292.40	53.44	26.02	123.74	9451.76 Ton/day
Min	10.19	22.16	8.36	2.09	12.05	19.92	3161.98	2539.31	54.79	17.38	14.54	9.89	2.09 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	24		
R-Square	0.9278		
Remarks	Continued Sediment Station		

$$QS = 9.1218 QW^{0.91940}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	113.03	110.74	453.38	500.81	1201.21	559.55	12708.20	13187.58	9722.88	508.18	523.20	533.19	
2	115.31	582.89	477.15	441.46	1201.21	698.44	12948.08	13353.67	9339.88	528.19	513.19	513.19	
3	155.77	629.33	488.99	337.64	1201.21	801.01	13107.79	13605.78	8859.18	513.19	518.20	457.85	
4	110.74	686.97	500.81	271.03	1168.37	908.05	13187.58	13824.39	8297.75	498.15	513.19	442.65	
5	102.69	766.96	512.60	326.62	1104.09	1118.95	13187.58	14000.82	7964.87	488.10	508.18	462.90	
6	105.00	778.33	512.60	393.47	984.53	1367.00	13067.88	14141.82	7735.30	503.17	523.20	432.50	
7	106.15	766.96	559.55	477.15	871.00	1640.96	12908.13	14194.67	7547.03	508.18	513.19	422.32	
8	107.30	721.35	559.55	465.28	766.96	1926.17	12628.15	14300.31	7190.26	493.13	503.17	401.90	
9	106.15	698.44	559.55	453.38	675.48	2415.23	12347.63	14247.50	6606.28	493.13	498.15	386.53	
10	107.30	652.44	524.37	429.51	606.15	3284.25	12026.34	14194.67	5894.66	493.13	518.20	371.11	
11	107.30	652.44	559.55	429.51	477.15	4022.31	11623.67	14044.90	5150.39	523.20	518.20	381.40	
12	106.15	755.58	663.97	582.89	453.38	4221.54	11215.28	14000.82	4257.76	548.14	518.20	381.40	
13	105.00	801.01	789.68	640.90	488.99	4193.13	10891.23	13912.63	3340.78	513.19	508.18	350.45	
14	103.85	766.96	846.22	547.85	721.35	4164.70	10484.98	13780.25	548.14	478.04	513.19	314.04	
15	107.30	744.18	999.54	571.23	1250.33	4363.34	10186.18	13691.94	587.84	467.95	513.19	287.80	
16	103.85	709.90	1104.09	594.53	1266.67	4476.49	10267.74	13563.79	572.98	462.90	513.19	282.53	
17	102.69	663.97	1135.45	606.15	957.24	4335.01	10566.34	13395.72	572.98	473.00	508.18	282.53	
18	101.54	709.90	1059.40	617.75	721.35	4363.34	10837.14	13187.58	538.17	478.04	503.17	256.42	
19	101.54	709.90	1014.54	686.97	571.23	4335.01	10999.34	12988.03	538.17	518.20	508.18	251.22	
20	108.44	778.33	957.24	801.01	512.60	5523.15	11161.33	12788.20	548.14	508.18	508.18	235.43	
21	109.59	834.94	823.65	834.94	652.44	5894.66	11242.25	12588.11	553.11	508.18	508.18	230.19	
22	113.03	883.36	744.18	789.68	744.18	6304.33	11471.23	12347.63	528.19	498.15	508.18	203.64	
23	129.41	895.71	834.94	709.90	801.01	6869.49	11663.99	12026.34	533.19	498.15	523.20	198.33	
24	134.71	883.36	834.94	778.33	858.62	7484.18	11865.42	11704.30	528.19	498.15	528.19	182.20	
25	118.73	834.94	755.58	1104.09	858.62	8790.32	12106.73	11394.95	513.19	503.17	528.19	160.99	
26	115.31	778.33	675.48	1621.80	789.68	10022.88	12347.63	11134.34	508.18	493.13	528.19	155.77	
27	114.17	606.15	559.55	1587.69	686.97	10837.14	12507.99	10891.23	513.19	498.15	533.19	150.53	
28	114.17	429.51	524.37	1383.75	582.89	11394.95	12668.18	10620.55	518.20	518.20	533.19	140.00	
29	111.88	315.58	536.12	1383.75	524.37	11905.67	12788.20	10349.25	513.19	508.18		150.53	
30	111.88	258.54	500.81	1367.00	512.60	12347.63	12948.08	10050.11	508.18	513.19		129.41	
31		315.58		1266.67	500.81		13067.88		493.13	513.19		118.73	
Total	3349.98	20722.58	21067.85	23002.74	24712.69	150568.88	371028.17	387511.88	101523.38	15547.23	14434.24	9267.68	1142737.30 Tonday
Mean	111.67	668.47	702.26	742.02	797.18	5018.96	11968.65	12917.06	3274.95	501.52	515.51	298.96	3130.79 Ton/day
Max	155.77	895.71	1135.45	1621.80	1266.67	12347.63	13187.58	14300.31	9722.88	548.14	533.19	533.19	14300.31 Ton/day
Min	101.54	110.74	453.38	271.03	453.38	559.55	10186.18	10050.11	493.13	462.90	498.15	118.73	101.54 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	19		
R-Square	0.7505		
Remarks	Continued Sediment Station		

$$QS = 1.6229 QW^{1.25650}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	0.15	0.13	1080.83	1182.96	20.17	0.28	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.15	0.13	1159.75	1100.55	5.65	0.27	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.14	0.13	1216.73	1008.76	0.85	0.27	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.13	0.13	1251.25	923.11	0.77	0.27	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.10	0.11	1262.75	815.03	0.80	0.27	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.08	0.10	1235.91	704.87	0.77	0.27	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.08	0.11	1186.25	623.44	0.68	0.27	0.00	0.00	
8	0.00	0.00	0.00	1.17	0.08	0.11	1118.25	562.23	0.50	0.27	0.00	0.00	
9	0.00	0.00	0.00	0.80	0.07	0.11	1014.15	527.47	0.37	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.60	0.07	0.14	837.23	476.20	0.34	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.45	0.07	0.13	660.84	445.20	0.33	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.37	0.08	0.11	571.13	393.87	0.31	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.37	0.08	0.10	496.84	339.01	0.31	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.28	0.08	0.11	435.59	290.02	0.31	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.24	0.11	0.11	409.89	261.52	0.31	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.20	0.10	0.11	447.12	233.08	0.31	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.18	0.09	0.14	509.60	213.02	0.31	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.18	0.08	0.15	607.33	191.73	0.31	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.16	0.08	0.21	701.56	171.96	0.30	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.18	0.08	3.64	749.68	156.26	0.30	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.16	0.08	7.11	869.17	139.87	0.30	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.16	0.07	17.38	999.45	123.86	0.30	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.16	0.08	27.10	1110.75	106.34	0.30	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.18	0.09	55.80	1232.03	92.41	0.30	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.21	0.09	299.75	1351.95	78.67	0.30	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.21	0.10	604.05	1438.37	66.32	0.28	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.19	0.10	753.18	1489.90	56.73	0.28	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.18	0.11	847.82	1522.48	47.29	0.28	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.16	0.13	915.82	1555.45	37.88	0.28	0.00		0.00	
30	0.00	0.00	0.00	0.16	0.14	981.17	1572.03	28.74	0.28	0.00		0.00	
31		0.00		0.15	0.14		1274.51		0.28	0.00		0.00	
Total	0.00	0.00	0.00	7.10	3.03	4515.19	31368.77	11398.40	37.18	2.17	0.00	0.00	47331.84 Tonday
Mean	0.00	0.00	0.00	0.23	0.10	150.51	1011.90	379.95	1.20	0.07	0.00	0.00	129.68 Ton/day
Max	0.00	0.00	0.00	1.17	0.15	981.17	1572.03	1182.96	20.17	0.28	0.00	0.00	1572.03 Ton/day
Min	0.00	0.00	0.00	0.00	0.07	0.10	409.89	28.74	0.28	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	20		
R-Square	0.6431		
Remarks	Continued Sediment Station		

$$QS = 16.2570 QW^{0.93340}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	241.39	233.87	1151.58	1385.11	4870.22	2918.61	30590.57	28266.01	21058.11	1637.71	1703.13	1768.37	
2	241.39	1648.62	1318.70	1252.04	4794.42	3418.64	30489.72	28772.44	20420.43	1703.13	1637.71	1528.25	
3	271.30	1746.64	1351.93	948.68	4794.42	3831.34	30388.94	29177.16	19415.46	1637.71	1768.37	1050.48	
4	237.63	1963.10	1385.11	777.22	4642.54	4337.72	30086.28	29278.32	18038.99	1473.32	1637.71	982.70	
5	211.20	2049.19	1385.11	948.68	4414.07	5097.14	29884.42	29379.37	17024.82	1418.23	1637.71	1050.48	
6	214.99	2049.19	1385.11	1185.13	4016.00	5997.98	29480.48	29278.32	16377.21	1528.25	1768.37	880.39	
7	222.56	1919.95	1517.28	1385.11	3707.88	6667.22	28974.85	29379.37	15913.51	1528.25	1637.71	846.10	
8	222.56	2092.14	1517.28	1385.11	3418.64	7331.70	28468.67	29278.32	15076.39	1473.32	1583.05	742.62	
9	222.56	2284.66	1484.32	1351.93	3075.48	8720.93	27961.77	29278.32	13814.40	1252.04	1473.32	602.99	
10	222.56	2135.03	1451.30	1252.04	2970.97	11862.92	27352.67	29177.16	12090.29	1473.32	1583.05	532.33	
11	222.56	1876.73	1517.28	1252.04	2454.82	13476.51	26539.02	29076.06	10491.90	1768.37	1768.37	532.33	
12	222.56	1963.10	1833.44	1681.34	2502.52	12714.00	25621.58	28974.85	10185.55	1703.13	1637.71	555.95	
13	218.78	2092.14	2284.66	1876.73	2813.70	12629.08	24906.31	28772.44	8138.07	1473.32	1528.25	489.62	
14	214.99	1963.10	2337.93	1615.86	4077.42	12629.08	24001.48	28468.67	9339.59	1307.60	1583.05	404.56	
15	222.56	1876.73	2897.65	1615.86	6221.62	12968.52	23405.94	28164.59	9955.35	1196.30	1637.71	387.64	
16	211.20	1790.08	3023.26	1648.62	6221.62	12798.88	24298.85	28063.24	1833.44	1140.37	1637.71	379.17	
17	211.20	1714.01	2960.50	1648.62	4794.42	12392.97	26029.63	27758.84	1768.37	1140.37	1528.25	374.92	
18	207.41	1790.08	2550.16	1648.62	3831.34	12090.29	26946.06	27454.30	1703.13	1473.32	1528.25	356.09	
19	211.20	1790.08	2391.11	1746.64	3132.86	11862.92	27251.10	27149.42	1898.35	1833.44	1583.05	337.79	
20	230.10	2049.19	2231.30	2135.03	2866.19	12798.88	27555.81	27149.42	1963.10	1768.37	1528.25	348.78	
21	237.63	2177.85	1963.10	2231.30	3418.64	13814.40	27758.84	26742.60	1768.37	1768.37	1473.32	345.12	
22	241.39	2284.66	1714.01	2006.18	3646.04	14572.54	27860.36	26233.49	1833.44	1703.13	1583.05	330.45	
23	260.11	2284.66	2049.19	1746.64	3769.64	16284.54	27758.84	25723.59	1963.10	1703.13	1703.13	323.10	
24	267.57	2231.30	1876.73	4077.42	4016.00	18590.44	27961.77	25315.18	1963.10	1637.71	1768.37	304.67	
25	260.11	2049.19	1919.95	5923.30	3954.51	23505.27	28063.24	24804.06	1833.44	1528.25	1768.37	293.58	
26	245.14	1790.08	1648.62	7772.28	3646.04	26539.02	28063.24	24199.75	1703.13	1528.25	1768.37	282.46	
27	241.39	1418.23	1418.23	6889.22	3247.39	28367.31	28063.24	23604.57	1703.13	1583.05	1833.44	275.02	
28	241.39	1016.63	1418.23	6147.14	2918.61	29379.37	27860.36	22908.83	1583.05	1637.71	1703.13	267.57	
29	237.63	742.62	1418.23	6072.59	2813.70	30086.28	27961.77	22311.28	1528.25	1528.25		263.84	
30	237.63	663.75	1318.70	5698.85	2761.14	30388.94	27961.77	21712.58	1528.25	1583.05		248.89	
31		811.71		5248.02	2708.50		28063.24		1528.25	1637.71		241.39	
Total	6950.69	54498.31	54720.00	82553.35	116521.36	418073.44	857610.82	815852.55	245441.97	47768.48	45991.91	17327.65	2763310.53 Tonday
Mean	231.69	1758.01	1824.00	2663.01	3758.75	13935.78	27664.87	27195.08	7917.48	1540.92	1642.57	558.96	7570.71 Ton/day
Max	271.30	2284.66	3023.26	7772.28	6221.62	30388.94	30590.57	29379.37	21058.11	1833.44	1833.44	1768.37	30590.57 Ton/day
Min	207.41	233.87	1151.58	777.22	2454.82	2918.61	23405.94	21712.58	1528.25	1140.37	1473.32	241.39	207.41 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	20		
R-Square	0.9386		
Remarks	Continued Sediment Station		

$$QS = 4.3360 QW^{1.07920}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	3.87	112.32	79.44	459.10	170.29	16.24	0.00	0.00	0.00	
2	0.00	0.00	0.00	2.05	84.08	74.82	335.92	150.78	16.24	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	56.54	65.63	244.85	136.26	16.24	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	46.44	93.43	150.78	121.85	15.21	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	38.15	141.08	98.12	102.84	14.19	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	29.98	165.40	88.75	88.75	13.17	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	24.63	175.20	84.08	74.82	11.15	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	22.51	170.29	79.44	65.63	10.15	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	21.45	165.40	70.21	52.03	10.15	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	19.36	214.79	65.63	46.44	9.16	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	20.40	335.92	61.07	40.90	8.18	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	21.45	470.97	52.03	35.41	7.20	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	24.63	692.09	52.03	32.69	6.23	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	38.15	929.70	88.75	27.30	5.28	0.00	0.00	0.00	
15	0.00	0.00	0.00	9.16	65.63	944.97	175.20	27.30	4.34	0.00	0.00	0.00	
16	0.00	0.00	0.00	43.66	70.21	778.02	209.81	23.57	3.87	0.00	0.00	0.00	
17	0.00	0.00	0.00	49.23	56.54	557.32	239.82	23.57	3.41	0.00	0.00	0.00	
18	0.00	0.00	0.00	40.90	46.44	370.82	254.93	23.57	2.95	0.00	0.00	0.00	
19	0.00	0.00	5.28	32.69	40.90	219.78	224.78	22.51	2.50	0.00	0.00	0.00	
20	0.00	0.00	38.15	32.69	29.98	141.08	185.04	22.51	1.61	0.00	0.00	0.00	
21	0.00	0.00	98.12	29.98	27.30	189.98	160.51	22.51	1.18	0.00	0.00	0.00	
22	0.00	0.00	126.64	29.98	24.63	500.74	145.92	21.45	0.36	0.00	0.00	0.00	
23	0.00	0.00	131.44	29.98	27.30	1075.51	136.26	21.45	0.00	0.00	0.00	0.00	
24	0.00	0.00	126.64	43.66	35.41	1319.35	121.85	20.40	0.00	0.00	0.00	0.00	
25	0.00	0.00	98.12	224.78	49.23	1557.91	107.57	19.36	0.00	0.00	0.00	0.00	
26	0.00	0.00	21.45	543.97	70.21	1746.08	102.84	19.36	0.00	0.00	0.00	0.00	
27	0.00	0.00	13.17	577.40	84.08	1802.83	102.84	19.36	0.00	0.00	0.00	0.00	
28	0.00	0.00	12.16	370.82	141.08	1861.91	112.32	18.31	0.00	0.00	0.00	0.00	
29	0.00	0.00	10.15	189.98	84.08	1492.43	136.26	18.31	0.00	0.00		0.00	
30	0.00	0.00	6.23	117.08	70.21	846.03	165.40	17.28	0.00	0.00		0.00	
31		0.00		102.84	74.82		155.64		0.00	0.00		0.00	
Total	0.00	0.00	687.55	2474.72	1558.14	19178.92	4667.75	1486.81	179.01	0.00	0.00	0.00	30232.90 Tonday
Mean	0.00	0.00	22.92	79.83	50.26	639.30	150.57	49.56	5.77	0.00	0.00	0.00	82.83 Ton/day
Max	0.00	0.00	131.44	577.40	141.08	1861.91	459.10	170.29	16.24	0.00	0.00	0.00	1861.91 Ton/day
Min	0.00	0.00	0.00	0.00	19.36	65.63	52.03	17.28	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**MUN RIVER BASIN****Huai Thap Than at Ban Huai Thap Than, Si Sa Ket (M.42)**

Lat 15 - 02 - 54 N Long 104 - 01 - 15 E

Location : on right bank at the bridge on highway.

	Ban Huai Thap Than	Amphoe Huai Thap Thun	Changwat Si Sa Ket
Drainage Area	2,878 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	2021		
Number of observation	24		
R-Square	0.8618		
Remarks	Continued Sediment Station		

$$QS = 5.2511 QW^{1.12870}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	0.00	0.00	2412.74	1319.41	30.48	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.00	2538.30	1227.41	26.89	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	0.00	2513.13	1164.13	25.11	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	0.00	2312.83	1114.87	23.34	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.00	2025.44	1046.87	21.59	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	0.00	1712.79	1003.61	21.59	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	0.00	1455.98	952.52	20.41	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.00	1266.11	904.40	20.41	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	0.00	1136.73	830.13	18.01	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	0.00	995.53	735.76	14.44	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	0.00	780.16	622.27	14.44	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	0.00	524.92	515.91	13.31	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.00	0.00	360.24	418.24	12.13	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.00	0.00	160.54	363.60	9.88	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.00	0.00	172.85	252.33	7.68	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.00	0.00	216.69	113.29	5.55	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.00	0.00	359.19	78.64	5.55	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.00	0.00	457.99	62.71	5.55	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.00	0.00	642.74	60.35	2.56	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.00	35.97	827.49	58.01	0.76	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.00	179.04	1009.01	58.01	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.00	380.66	1188.84	60.35	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	450.11	1571.30	55.67	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.00	529.43	1983.41	51.04	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	714.96	2200.42	48.74	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	939.13	2245.30	51.04	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	1109.41	2178.01	44.18	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.00	1277.20	2025.44	39.68	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	1625.90	1823.27	35.97	0.00	0.00		0.00	
30	0.00	0.00	0.00	0.00	0.00	2088.66	1612.23	32.30	0.00	0.00		0.00	
31		0.00		0.00	0.00		1446.98		0.00	0.00		0.00	
Total	0.00	0.00	0.00	0.00	0.00	9330.47	42156.60	13321.44	299.68	0.00	0.00	0.00	65108.19 Tonday
Mean	0.00	0.00	0.00	0.00	0.00	311.02	1359.89	444.05	9.67	0.00	0.00	0.00	178.38 Ton/day
Max	0.00	0.00	0.00	0.00	0.00	2088.66	2538.30	1319.41	30.48	0.00	0.00	0.00	2538.30 Ton/day
Min	0.00	0.00	0.00	0.00	0.00	0.00	160.54	32.30	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	28		
R-Square	0.8990		
Remarks	Continued Sediment Station		

$$QS = 3.4562 QW^{1.37580}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.15	11.20	0.35	6.77	24.24	217.94	68.65	90.70	5.60	0.72	1.01	1.01	
2	0.15	19.22	0.35	9.53	16.83	170.39	59.37	68.65	5.22	0.88	0.60	1.01	
3	0.15	19.22	0.35	4.49	12.06	130.45	52.65	61.65	5.22	0.88	0.23	1.01	
4	0.15	10.35	0.23	2.76	10.35	87.81	46.17	46.17	4.85	0.88	0.06	1.01	
5	0.15	5.60	0.23	2.33	12.06	96.55	35.89	41.97	4.85	0.88	0.06	1.01	
6	0.15	3.79	0.23	1.91	39.92	61.65	52.65	37.89	4.49	0.88	0.06	1.19	
7	0.15	2.99	0.23	1.91	21.69	59.37	50.46	41.97	4.49	0.88	0.06	2.33	
8	0.15	2.33	0.15	33.93	14.74	272.27	48.30	44.06	4.14	0.88	0.06	14.74	
9	0.15	2.99	1.01	31.99	11.20	262.13	48.30	31.99	4.14	0.88	0.23	6.37	
10	0.15	2.76	2.12	31.99	9.53	247.21	31.99	26.87	4.14	0.88	0.72	3.79	
11	0.35	2.33	1.33	19.22	8.72	166.27	25.55	19.22	3.79	1.01	1.01	2.99	
12	1.01	1.71	0.88	12.94	12.94	90.70	31.99	18.01	3.79	1.01	0.88	3.22	
13	1.52	1.91	1.01	19.22	14.74	66.30	57.11	18.01	3.79	1.01	0.72	2.54	
14	1.91	1.71	0.88	26.87	154.07	54.87	33.93	16.83	3.79	1.01	0.60	2.12	
15	1.52	1.33	0.88	31.99	217.94	41.97	146.08	16.83	3.46	1.01	0.46	1.52	
16	1.19	1.52	0.72	111.62	158.11	44.06	154.07	15.67	3.46	1.01	0.35	1.01	
17	0.88	2.54	0.60	105.52	68.65	48.30	87.81	15.67	3.22	1.01	0.35	1.01	
18	0.88	5.22	0.46	57.11	79.30	30.08	217.94	15.67	3.22	1.01	0.23	1.19	
19	4.14	2.99	0.35	30.08	84.95	30.08	120.93	14.74	2.99	1.01	0.15	1.19	
20	5.60	2.54	0.35	20.44	50.46	44.06	108.56	14.74	2.99	1.01	0.15	4.49	
21	3.22	2.33	0.35	22.96	35.89	84.95	84.95	12.06	2.76	1.19	0.06	4.49	
22	9.53	2.54	0.15	48.30	26.87	73.76	71.03	9.53	2.76	1.19	0.06	3.22	
23	2.99	1.91	0.15	63.96	21.69	108.56	57.11	7.17	2.76	1.19	0.06	1.71	
24	2.12	1.33	41.97	52.65	25.55	111.62	44.06	7.94	2.76	1.19	0.06	1.71	
25	2.12	1.33	5.98	154.07	20.44	111.62	35.89	7.17	2.76	1.19	0.06	1.19	
26	5.22	1.19	2.54	87.81	61.65	154.07	33.93	6.77	2.76	1.19	0.04	0.88	
27	5.98	0.72	1.71	48.30	48.30	108.56	39.92	6.37	2.76	1.19	0.04	0.46	
28	11.20	0.46	1.01	31.99	111.62	120.93	39.92	5.98	2.54	1.19	0.04	0.35	
29	73.76	0.46	1.01	25.55	187.16	82.11	50.46	5.98	2.54	1.19		0.46	
30	28.21	0.35	2.12	35.89	130.45	59.37	99.52	5.60	2.33	1.19		1.19	
31		0.35		24.24	127.26		195.70		2.12	1.19		2.54	
Total	164.85	117.22	69.70	1158.34	1819.38	3238.01	2230.89	731.88	110.49	31.83	8.41	72.95	9753.95 Tonday
Mean	5.50	3.78	2.32	37.37	58.69	107.93	71.96	24.40	3.56	1.03	0.30	2.35	26.72 Ton/day
Max	73.76	19.22	41.97	154.07	217.94	272.27	217.94	90.70	5.60	1.19	1.01	14.74	272.27 Ton/day
Min	0.15	0.35	0.15	1.91	8.72	30.08	25.55	5.60	2.12	0.72	0.04	0.35	0.04 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	20		
R-Square	0.9941		
Remarks	Continued Sediment Station		

$$QS = 7.5770 QW^{1.05170}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.04	11.44	14.47	15.13	11.44	27.44	255.83	182.51	17.78	10.63	9.58	6.23	
2	4.04	10.79	14.47	13.90	11.04	29.14	252.04	152.82	16.95	10.63	9.42	6.23	
3	4.04	10.23	14.72	12.83	10.79	36.85	271.01	117.48	16.53	10.63	9.18	5.99	
4	4.27	9.58	14.72	11.61	10.63	58.21	286.23	99.77	16.12	10.63	9.18	5.99	
5	4.27	8.78	14.88	10.63	10.23	76.84	186.24	87.59	15.71	10.63	9.02	5.83	
6	4.27	8.22	14.88	9.42	9.58	86.25	154.67	78.18	15.71	10.39	8.78	5.83	
7	4.43	7.58	14.72	8.38	9.02	114.74	191.84	72.83	15.54	10.39	8.78	5.60	
8	4.43	6.78	14.88	7.18	8.62	191.84	248.26	70.16	15.29	10.39	8.62	5.60	
9	4.43	6.39	14.88	5.99	7.98	229.37	189.97	66.17	15.13	10.39	8.62	5.44	
10	4.66	5.99	14.88	5.21	7.58	288.14	143.60	60.86	14.88	10.39	8.38	5.21	
11	4.66	5.99	14.88	5.83	7.18	255.83	117.48	51.62	14.72	10.23	8.22	5.05	
12	4.82	5.99	14.88	6.78	6.78	152.82	107.92	43.77	14.31	10.23	7.98	4.82	
13	4.82	5.99	14.88	7.82	6.62	114.74	101.12	40.31	13.90	10.23	7.98	4.82	
14	4.82	5.99	14.88	8.78	5.99	94.35	113.38	35.13	13.65	10.23	7.82	4.66	
15	5.05	5.99	14.88	9.58	5.60	75.50	184.38	30.85	13.24	10.23	7.82	4.43	
16	5.05	5.99	14.88	10.63	5.21	63.51	325.90	28.29	12.83	10.23	7.58	4.43	
17	5.05	5.99	14.88	11.44	5.21	54.25	446.72	24.06	12.26	10.23	7.42	4.27	
18	5.21	5.99	14.88	12.26	5.83	66.17	618.55	23.22	11.85	9.98	7.42	4.27	
19	5.21	5.99	14.88	13.08	6.78	141.76	707.41	22.38	11.61	9.98	7.18	4.27	
20	5.44	5.99	14.88	13.65	7.82	510.22	483.30	21.54	11.20	9.98	7.18	4.27	
21	5.60	5.99	15.13	13.90	9.02	809.34	458.90	20.70	11.20	9.82	7.02	4.27	
22	5.83	5.99	15.29	14.31	9.98	1505.68	512.67	20.28	11.04	9.82	6.78	4.04	
23	5.99	5.99	15.29	14.72	11.04	1595.74	361.94	20.28	11.04	9.82	6.78	4.04	
24	6.23	5.99	15.29	15.29	12.26	960.88	271.01	19.86	11.04	9.82	6.62	4.04	
25	6.23	5.99	15.29	15.71	14.31	1017.58	204.94	19.44	10.79	9.82	6.39	3.89	
26	7.02	5.99	15.29	16.12	16.12	1555.34	165.78	19.03	10.79	9.82	6.39	3.89	
27	8.38	7.02	15.29	15.54	18.19	1297.63	136.24	19.03	10.79	9.58	6.23	3.89	
28	9.58	11.61	15.29	14.47	21.12	674.58	118.85	18.61	10.63	9.58	6.23	3.66	
29	10.63	17.78	15.29	13.24	23.64	454.02	110.65	18.19	10.63	9.58		3.66	
30	11.61	15.54	15.29	12.01	24.90	323.50	109.29	18.19	10.63	9.58		3.66	
31		14.72		11.61	26.60		147.28		10.63	9.58		3.66	
Total	170.11	248.29	449.04	357.05	347.11	12862.26	7983.40	1503.15	408.42	313.47	218.60	145.94	25006.84 Tonday
Mean	5.67	8.01	14.97	11.52	11.20	428.74	257.53	50.10	13.17	10.11	7.81	4.71	68.51 Ton/day
Max	11.61	17.78	15.29	16.12	26.60	1595.74	707.41	182.51	17.78	10.63	9.58	6.23	1595.74 Ton/day
Min	4.04	5.99	14.47	5.21	5.21	27.44	101.12	18.19	10.63	9.58	6.23	3.66	3.66 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	29		
R-Square	0.8507		
Remarks	Continued Sediment Station		

$$QS = 2.7581 QW^{1.58630}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.70	241.59	7.26	4.97	78.56	325.07	268.40	497.44	35.88	10.70	4.44	3.93	
2	4.70	319.22	6.22	17.46	65.14	511.84	548.51	279.41	33.32	10.70	4.18	3.68	
3	4.97	325.07	6.22	23.79	52.67	354.88	348.84	246.87	33.32	10.70	4.18	3.68	
4	6.22	128.25	4.97	14.61	46.81	319.22	257.55	196.03	30.83	10.70	4.44	3.44	
5	9.50	89.23	4.97	9.50	43.98	226.02	196.03	167.65	30.83	10.70	4.18	3.44	
6	14.61	58.79	4.97	8.35	68.41	191.19	307.65	149.66	30.83	9.50	3.93	3.68	
7	16.01	41.21	4.70	7.26	89.23	145.28	273.88	176.93	28.41	9.50	3.93	4.97	
8	10.70	30.83	4.70	10.70	65.14	555.95	191.19	158.56	26.06	7.26	3.93	14.61	
9	8.35	61.93	4.97	71.74	52.67	1132.02	196.03	132.43	26.06	7.26	3.93	35.88	
10	10.70	65.14	6.22	78.56	41.21	1640.55	181.64	116.00	26.06	7.26	4.70	16.01	
11	11.95	58.79	9.50	65.14	33.32	1001.49	140.95	108.08	23.79	7.26	6.22	8.35	
12	17.46	49.71	8.35	49.71	30.83	410.94	149.66	100.38	23.79	7.26	8.35	7.26	
13	16.01	30.83	8.35	49.71	41.21	273.88	404.56	92.89	21.60	7.26	9.50	5.25	
14	33.32	23.79	8.35	128.25	85.62	200.92	215.85	92.89	21.60	7.26	10.70	4.97	
15	17.46	21.60	6.22	89.23	220.91	186.39	236.36	85.62	19.49	6.22	13.25	4.44	
16	11.95	17.46	5.25	210.83	373.23	220.91	742.69	82.06	19.49	6.22	11.95	4.70	
17	11.95	14.61	4.97	191.19	210.83	176.93	681.70	78.56	19.49	6.22	9.50	5.25	
18	13.25	23.79	4.70	191.19	124.11	226.02	849.17	75.12	19.49	6.22	8.35	4.97	
19	23.79	55.70	4.44	120.03	186.39	167.65	911.07	71.74	16.01	5.25	8.35	5.25	
20	28.41	33.32	4.44	78.56	149.66	128.25	497.44	68.41	16.01	5.25	6.22	4.97	
21	26.06	23.79	4.18	65.14	104.21	128.25	616.83	65.14	16.01	6.22	10.70	8.35	
22	16.01	23.79	4.18	85.62	85.62	154.09	586.10	58.79	16.01	6.22	16.01	17.46	
23	38.51	21.60	3.93	96.61	71.74	140.95	476.71	58.79	14.61	6.22	10.70	23.79	
24	71.74	16.01	4.44	132.43	65.14	279.41	290.58	58.79	16.01	5.25	7.26	68.41	
25	30.83	11.95	71.74	163.08	65.14	342.84	231.17	52.67	14.61	4.97	4.97	23.79	
26	41.21	10.70	19.49	262.95	78.56	707.02	196.03	49.71	14.61	4.70	4.70	9.50	
27	68.41	9.50	9.50	154.09	158.56	555.95	172.27	43.98	13.25	4.70	4.44	6.22	
28	52.67	13.25	6.22	108.08	200.92	511.84	158.56	43.98	13.25	4.97	3.93	5.25	
29	140.95	16.01	5.25	85.62	367.07	541.10	205.85	38.51	13.25	4.97		5.25	
30	313.41	10.70	4.97	78.56	430.29	296.23	181.64	38.51	11.95	4.70		4.97	
31		7.26		78.56	342.84		648.47		11.95	4.44		7.26	
Total	1075.81	1855.42	253.67	2731.52	4030.02	12053.08	11363.38	3485.60	657.87	216.06	196.94	328.98	38248.35 Tonday
Mean	35.86	59.85	8.46	88.11	130.00	401.77	366.56	116.19	21.22	6.97	7.03	10.61	104.79 Ton/day
Max	313.41	325.07	71.74	262.95	430.29	1640.55	911.07	497.44	35.88	10.70	16.01	68.41	1640.55 Ton/day
Min	4.70	7.26	3.93	4.97	30.83	128.25	140.95	38.51	11.95	4.44	3.93	3.44	3.44 Ton/day

WATER YEAR : 2021

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	2021				
Number of observation	20				
R-Square	0.8985				
Remarks	Continued Sediment Station				

$$QS = 6.2141 QW^{0.96400}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	4.95	93.23	58.30	79.11	40.56	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	4.95	86.73	66.00	61.60	38.32	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	5.49	61.60	59.40	50.57	36.08	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	5.85	56.09	63.80	42.79	33.83	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	5.31	46.13	123.39	39.44	31.58	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	5.85	37.20	135.15	39.44	29.32	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	6.21	25.92	108.35	48.35	25.92	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	6.21	21.93	101.88	50.57	21.93	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	15.61	16.19	147.94	50.57	18.49	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	13.87	9.19	303.64	47.24	16.77	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	12.12	10.36	218.96	39.44	15.61	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	10.36	12.71	161.76	31.58	14.45	0.00	0.00	0.00	0.00	
13	0.00	0.00	1.44	9.78	57.20	252.96	20.22	13.87	0.00	0.00	0.00	0.00	
14	0.00	0.00	18.49	37.20	133.02	612.50	66.00	13.29	0.00	0.00	0.00	0.00	
15	0.00	0.00	21.36	123.39	326.92	473.59	66.00	12.12	0.00	0.00	0.00	0.00	
16	0.00	0.00	16.77	85.64	213.72	280.29	71.47	12.12	0.00	0.00	0.00	0.00	
17	0.00	0.00	13.87	62.70	141.55	178.70	70.38	10.95	0.00	0.00	0.00	0.00	
18	0.00	0.00	10.95	54.99	98.64	121.24	78.02	10.36	0.00	0.00	0.00	0.00	
19	0.00	0.00	9.19	151.14	73.66	91.06	75.84	9.78	0.00	0.00	0.00	0.00	
20	0.00	0.00	8.00	205.05	58.30	71.47	70.38	9.19	0.00	0.00	0.00	0.00	
21	0.00	0.00	6.21	134.08	51.67	100.80	62.70	9.19	0.00	0.00	0.00	0.00	
22	0.00	0.00	5.67	93.23	56.09	249.04	60.50	8.59	0.00	0.00	0.00	0.00	
23	0.00	0.00	5.49	74.75	45.02	285.48	63.80	8.59	0.00	0.00	0.00	0.00	
24	0.00	0.00	5.31	88.90	43.90	273.79	52.78	8.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	5.31	937.75	43.90	1170.20	50.57	8.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	5.49	1582.52	38.32	1060.40	47.24	7.41	0.00	0.00	0.00	0.00	
27	0.00	0.00	5.31	587.25	42.79	506.16	40.56	6.81	0.00	0.00	0.00	0.00	
28	0.00	0.00	5.31	230.75	49.46	250.35	38.32	6.81	0.00	0.00	0.00	0.00	
29	0.00	0.00	5.13	119.10	47.24	153.26	39.44	6.21	0.00	0.00		0.00	
30	0.00	0.00	5.13	85.64	47.24	108.35	41.67	0.00	0.00	0.00		0.00	
31		0.00		92.15	48.35		41.67		0.00	0.00		0.00	
Total	0.00	0.00	154.43	4852.79	2094.27	7788.21	1638.26	484.15	0.00	0.00	0.00	0.00	17012.11 Tonday
Mean	0.00	0.00	5.15	156.54	67.56	259.61	52.85	16.14	0.00	0.00	0.00	0.00	46.61 Ton/day
Max	0.00	0.00	21.36	1582.52	326.92	1170.20	79.11	40.56	0.00	0.00	0.00	0.00	1582.52 Ton/day
Min	0.00	0.00	0.00	4.95	9.19	58.30	20.22	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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
Drainge 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	2021					
Number of observation	38					
R-Square	0.7527					
Remarks	Continued Sediment Station					

$$QS = 38.3040 QW^{1.27630}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	15.01	535.66	22.10	6.86	37.33	1137.26	459.03	659.66	40.77	31.13	40.77	10.40	
2	15.01	314.11	19.96	8.24	35.88	732.92	623.66	497.02	38.30	30.20	40.77	10.40	
3	14.22	434.07	22.10	8.24	34.92	588.11	1011.51	1344.80	37.33	30.20	38.30	8.95	
4	14.22	826.78	19.96	7.54	34.92	807.81	434.07	434.07	35.88	30.20	38.30	9.67	
5	15.01	129.68	17.03	17.86	38.30	923.00	302.59	291.17	35.88	28.81	38.30	8.95	
6	15.01	64.27	21.24	35.88	35.88	302.59	224.73	224.73	34.92	30.20	38.30	15.01	
7	15.01	53.54	15.81	38.30	37.33	169.03	385.09	2342.33	34.92	56.18	38.30	9.67	
8	15.01	69.79	15.81	45.78	35.88	8830.90	279.84	349.21	33.48	53.54	37.33	196.45	
9	15.01	104.78	21.24	27.89	32.54	5443.75	361.08	235.54	32.54	50.92	32.54	45.78	
10	15.01	86.90	22.10	34.92	32.54	7882.04	302.59	196.45	32.54	50.92	37.33	28.81	
11	15.01	155.67	21.24	50.92	28.81	4878.54	373.04	169.03	32.54	50.92	37.33	22.10	
12	15.01	92.78	19.96	27.89	35.88	1086.58	302.59	155.67	33.48	50.92	43.26	17.86	
13	43.26	67.01	19.11	38.30	34.92	497.02	714.45	136.08	32.54	50.92	45.78	15.01	
14	14.22	89.83	17.86	279.84	24.30	349.21	349.21	136.08	32.54	48.34	53.54	14.22	
15	40.77	53.54	15.81	257.48	136.08	409.42	2742.30	104.78	32.54	50.92	89.83	12.66	
16	11.89	149.07	19.11	884.24	217.58	421.71	5985.46	78.24	31.13	48.34	53.54	22.10	
17	7.54	246.46	15.81	123.35	110.90	291.17	3270.12	78.24	32.54	48.34	43.26	117.09	
18	26.53	210.49	14.22	67.01	50.92	434.07	4546.01	75.40	34.92	48.34	34.92	78.24	
19	98.74	337.42	12.66	50.92	37.33	291.17	1991.09	69.79	33.48	45.78	19.96	53.54	
20	45.78	92.78	12.66	104.78	78.24	291.17	903.58	67.01	32.54	45.78	15.81	67.01	
21	22.10	175.80	11.89	38.30	31.13	962.12	2522.44	61.55	33.48	45.78	19.11	37.33	
22	21.24	397.22	12.66	37.33	48.34	434.07	677.82	56.18	33.48	45.78	22.10	30.20	
23	23.41	136.08	11.14	35.88	78.24	659.66	677.82	50.92	33.48	43.26	19.11	28.81	
24	235.54	78.24	8.95	40.77	48.34	3270.12	714.45	53.54	33.48	21.24	15.81	2522.44	
25	903.58	35.88	9.67	409.42	69.79	2271.10	325.72	50.92	33.48	19.11	14.22	217.58	
26	373.04	40.77	8.95	235.54	1786.49	10038.44	268.61	50.92	38.30	19.11	12.66	72.58	
27	588.11	34.92	7.54	257.48	1292.21	4381.67	217.58	48.34	38.30	17.86	11.89	45.78	
28	373.04	38.30	8.24	81.11	2165.17	2668.57	217.58	45.78	37.33	19.11	11.14	40.77	
29	845.84	33.48	8.24	58.85	3003.70	1061.42	434.07	43.26	38.30	17.03		37.33	
30	1786.49	27.89	8.24	48.34	1137.26	535.66	257.48	40.77	33.48	17.03		33.48	
31		24.30		43.26	1111.85		2095.16		32.54	31.13		35.88	
Total	5639.66	5137.51	461.31	3402.52	11883.00	62050.30	33970.77	8147.48	1070.46	1177.34	943.51	3866.10	137749.96 Tonday
Mean	187.99	165.73	15.38	109.76	383.32	2068.34	1095.83	271.58	34.53	37.98	33.70	124.71	377.40 Ton/day
Max	1786.49	826.78	22.10	884.24	3003.70	10038.44	5985.46	2342.33	40.77	56.18	89.83	2522.44	10038.44 Ton/day
Min	7.54	24.30	7.54	6.86	24.30	169.03	217.58	40.77	31.13	17.03	11.14	8.95	6.86 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	20		
R-Square	0.9726		
Remarks	Continued Sediment Station		

$$QS = 6.6903 QW^{0.99540}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	63.56	23.94	37.83	35.85	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	45.09	22.95	34.86	34.86	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	37.83	21.96	37.83	33.87	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	29.90	24.94	35.85	31.88	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	22.95	27.91	31.88	26.92	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	19.17	27.91	27.91	23.94	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	15.86	32.87	26.92	19.17	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	12.54	33.87	26.92	15.86	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.20	9.22	39.81	22.95	14.20	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	1.01	5.89	78.05	21.96	12.54	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.68	3.36	72.79	19.97	8.35	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.34	8.35	55.65	18.31	5.02	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	1.01	19.17	67.52	17.52	7.56	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	1.68	26.92	118.83	27.91	7.56	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	2.02	33.87	95.17	45.09	6.69	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	2.35	33.87	64.88	54.33	5.02	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	3.02	29.90	45.09	50.37	3.36	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	2.89	24.94	33.87	51.69	3.36	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.34	2.89	20.96	30.89	47.73	2.89	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.20	2.89	36.84	26.92	41.13	1.01	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	2.89	14.20	45.09	32.87	0.68	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	2.89	10.88	112.26	36.84	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	3.22	10.02	166.11	31.88	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	4.22	20.96	179.23	27.91	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.20	146.42	33.87	507.57	25.93	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.54	0.00	139.86	24.94	295.84	24.94	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	87.27	28.91	171.36	24.94	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.54	53.01	25.93	95.17	24.94	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.20	36.84	22.95	56.97	37.83	0.00	0.00	0.00		0.00	
30	0.00	0.00	0.00	27.91	22.95	41.13	41.13	0.00	0.00	0.00		0.00	
31		0.00		60.93	25.93		36.84		0.00	0.00		0.00	
Total	0.00	0.54	1.48	586.44	741.73	2616.55	1025.01	300.59	0.00	0.00	0.00	0.00	5272.34 Tonday
Mean	0.00	0.02	0.05	18.92	23.93	87.22	33.06	10.02	0.00	0.00	0.00	0.00	14.44 Ton/day
Max	0.00	0.54	0.54	146.42	63.56	507.57	54.33	35.85	0.00	0.00	0.00	0.00	507.57 Ton/day
Min	0.00	0.00	0.00	0.00	3.36	21.96	17.52	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	20		
R-Square	0.7356		
Remarks	Continued Sediment Station		

$$QS = 5.5036 QW^{0.97080}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	48.46	60.92	515.64	100.85	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	46.45	62.41	436.68	100.85	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	44.45	55.45	302.48	98.89	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	42.44	57.94	151.43	94.97	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	40.43	69.85	89.08	83.18	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	38.41	73.31	77.26	75.29	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	36.40	79.24	71.34	68.37	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	34.88	93.01	66.88	63.90	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	32.35	110.63	65.39	60.92	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	29.31	135.93	65.39	56.45	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	24.21	141.75	63.90	54.45	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	22.68	128.16	62.41	52.46	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	23.70	124.27	57.94	49.46	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	31.85	126.22	59.43	47.46	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	56.45	118.43	114.53	46.45	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	66.88	108.68	147.56	45.45	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	68.37	87.12	143.69	43.44	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	63.90	75.29	145.63	43.44	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	55.45	66.88	139.81	42.44	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	52.46	65.39	130.11	42.44	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	49.46	69.85	116.48	42.44	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	48.46	104.77	104.77	41.43	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	46.45	221.61	106.72	40.43	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	45.45	337.94	106.72	40.43	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	44.45	459.61	100.85	39.42	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	45.45	565.91	91.05	39.42	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	27.27	49.46	635.50	81.21	38.41	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	63.90	59.43	653.56	77.26	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	57.94	66.88	632.72	87.12	0.00	0.00	0.00		0.00	
30	0.00	0.00	0.00	56.45	60.92	585.42	96.93	0.00	0.00	0.00		0.00	
31		0.00		52.46	56.45		102.81		0.00	0.00		0.00	
Total	0.00	0.00	0.00	258.02	1432.39	6107.77	3978.50	1553.14	0.00	0.00	0.00	0.00	13329.82 Tonday
Mean	0.00	0.00	0.00	8.32	46.21	203.59	128.34	51.77	0.00	0.00	0.00	0.00	36.52 Ton/day
Max	0.00	0.00	0.00	63.90	68.37	653.56	515.64	100.85	0.00	0.00	0.00	0.00	653.56 Ton/day
Min	0.00	0.00	0.00	0.00	22.68	55.45	57.94	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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.		
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	2021		
Number of observation	32		
R-Square	0.1855		
Remarks	Continued Sediment Station		

$$QS = 47.7330 QW^{0.75470}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	49.17	22.54	60.87	3029.61	3591.04	278.28	78.10	60.87	68.06	
2	0.00	0.00	0.00	47.73	32.05	62.85	3007.15	3331.43	231.02	77.48	62.19	67.41	
3	0.00	0.00	0.00	46.65	39.95	66.77	2990.27	2990.74	184.54	76.25	63.51	67.41	
4	0.00	0.00	0.00	45.19	54.77	69.34	2967.71	2737.00	153.48	73.76	64.17	66.77	
5	0.00	0.00	0.00	44.08	71.24	67.41	2945.10	2502.77	130.47	67.41	64.17	66.77	
6	0.00	0.00	0.00	42.97	75.63	71.24	2905.39	2326.66	102.14	62.85	64.82	66.12	
7	0.00	0.00	69.97	42.60	75.01	71.87	2762.09	2194.03	80.54	60.20	65.47	65.47	
8	0.00	0.00	74.38	41.47	67.41	70.61	2553.34	2095.72	68.06	58.86	65.47	63.51	
9	0.00	0.00	69.34	41.09	66.12	78.71	2366.07	1992.68	56.83	61.53	66.12	60.20	
10	0.00	0.00	66.77	39.57	67.41	80.54	2225.10	1908.54	43.71	64.82	68.70	60.87	
11	0.00	0.00	67.41	38.42	67.41	76.25	2161.04	1776.69	35.28	68.06	70.61	61.53	
12	0.00	0.00	58.86	36.47	68.06	72.50	2156.03	1680.78	37.64	69.97	71.87	61.53	
13	0.00	0.00	56.15	35.68	69.34	664.28	2200.57	1577.27	36.47	71.87	73.13	62.19	
14	0.00	0.00	57.51	36.07	69.97	794.25	2308.10	1479.78	39.57	73.76	71.87	61.53	
15	0.00	0.00	58.19	35.28	67.41	687.11	2399.63	1388.59	51.29	75.63	71.24	60.20	
16	0.00	0.00	56.83	33.68	64.17	801.47	2499.59	1305.87	59.53	77.48	70.61	60.20	
17	0.00	0.00	61.53	32.46	60.20	879.47	2744.73	1196.20	62.19	77.48	70.61	58.86	
18	0.00	0.00	62.19	33.28	58.19	901.73	3085.53	1114.36	64.17	76.86	70.61	58.86	
19	0.00	0.00	60.20	36.86	60.87	999.83	3324.18	1031.04	66.77	74.38	70.61	58.19	
20	0.00	0.00	57.51	33.28	62.19	1179.73	3509.81	943.83	67.41	71.24	71.24	62.19	
21	0.00	0.00	54.77	26.56	61.53	1271.93	3711.57	863.49	64.82	65.47	70.61	74.38	
22	0.00	0.00	54.08	23.91	61.53	1440.08	3814.37	791.36	64.82	57.51	71.24	84.16	
23	0.00	0.00	53.39	23.00	59.53	1693.78	3978.89	734.29	70.61	51.29	71.24	90.38	
24	0.00	0.00	52.00	22.08	58.19	1995.35	4168.22	641.96	70.61	49.17	70.61	85.95	
25	0.00	0.00	52.00	22.54	56.83	2361.21	4405.38	576.77	73.76	47.73	69.97	60.87	
26	0.00	0.00	51.29	23.00	56.83	2592.76	4590.36	545.73	79.32	47.37	69.34	68.70	
27	0.00	0.00	50.59	22.54	58.19	2762.09	4709.09	488.94	88.62	50.59	68.06	68.70	
28	0.00	0.00	50.59	21.15	60.20	2888.31	4755.19	428.14	82.36	53.39	68.06	61.53	
29	0.00	0.00	49.17	16.77	60.20	2945.10	4328.19	374.40	80.54	55.46		53.39	
30	0.00	0.00	49.88	17.27	58.86	3012.77	4076.89	320.92	79.93	57.51		53.39	
31		0.00		19.24	57.51		3807.43		79.32	58.86		59.53	
Total	0.00	0.00	1394.60	1030.06	1869.34	30720.21	100486.62	44931.02	2684.10	2012.34	1917.02	2018.85	189064.16 Tonday
Mean	0.00	0.00	46.49	33.23	60.30	1024.01	3241.50	1497.70	86.58	64.91	68.46	65.12	517.98 Ton/day
Max	0.00	0.00	74.38	49.17	75.63	3012.77	4755.19	3591.04	278.28	78.10	73.13	90.38	4755.19 Ton/day
Min	0.00	0.00	0.00	16.77	22.54	60.87	2156.03	320.92	35.28	47.37	60.87	53.39	0.00 Ton/day

WATER YEAR : 2021**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
Drainge 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	2021		
Number of observation	24		
R-Square	0.8595		
Remarks	Continued Sediment Station		

$$QS = 9.2614 QW^{0.98070}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	10.35	14.68	14.68	10.71	55.08	143.22	763.36	646.26	80.24	13.60	9.26	8.35	
2	11.26	13.24	13.42	9.99	39.25	206.91	643.58	609.31	77.11	13.24	9.08	8.53	
3	11.62	13.24	12.16	9.44	31.64	230.38	690.17	578.18	70.83	13.06	9.08	8.53	
4	11.98	13.42	11.07	8.90	26.31	336.54	648.93	510.95	66.11	12.52	8.72	8.53	
5	12.34	16.12	10.71	8.72	21.85	336.54	580.77	420.13	59.81	12.16	8.35	8.72	
6	12.34	20.96	10.17	8.53	20.07	460.53	578.18	356.84	53.50	11.80	8.17	8.53	
7	11.98	12.52	10.17	9.26	17.56	515.98	518.50	316.22	48.76	11.62	7.99	8.90	
8	11.26	10.71	10.89	12.88	16.48	465.58	485.75	290.86	44.01	11.26	7.99	9.08	
9	11.26	9.81	11.26	31.64	15.04	531.42	435.29	445.39	37.66	11.07	7.99	8.72	
10	10.35	9.08	10.35	58.24	14.14	609.31	387.24	465.58	36.07	11.07	7.99	8.35	
11	9.99	8.72	10.35	44.01	13.96	598.93	346.69	359.37	32.53	11.07	7.81	8.17	
12	9.62	8.35	11.07	27.20	13.78	526.22	384.71	278.55	29.87	11.07	7.99	7.99	
13	9.26	8.72	11.44	18.28	14.68	488.27	495.83	236.78	28.09	11.07	8.35	7.99	
14	8.90	11.26	13.06	17.56	15.76	435.29	478.19	209.05	25.42	10.89	8.53	7.81	
15	8.72	10.53	51.92	14.50	15.76	356.84	541.82	185.53	23.64	10.71	8.72	7.62	
16	8.53	9.44	59.81	13.96	24.53	298.41	899.04	175.51	22.75	10.35	10.89	7.26	
17	8.17	8.72	32.53	15.04	31.64	249.55	1246.31	241.04	20.96	9.99	12.88	7.08	
18	8.17	8.17	22.75	17.92	37.66	223.99	1376.49	341.61	19.17	9.99	11.80	7.08	
19	8.17	8.35	15.40	19.17	34.30	211.19	1438.20	278.55	17.56	9.99	10.53	7.62	
20	8.53	7.99	14.14	17.56	50.34	369.51	1471.09	228.25	16.84	10.17	9.62	8.35	
21	8.17	7.99	13.96	15.04	47.18	596.34	1495.75	204.78	16.48	9.99	10.17	10.89	
22	7.99	7.81	13.24	13.96	37.66	622.27	1399.54	194.09	15.76	9.81	10.71	11.62	
23	8.53	10.71	12.70	13.06	44.01	541.82	1228.17	167.62	15.40	9.62	9.81	11.44	
24	11.80	11.07	13.96	13.24	50.34	632.89	938.70	148.21	15.76	9.62	9.44	10.71	
25	14.50	10.35	14.32	15.40	40.84	800.15	674.98	131.76	17.92	9.81	9.26	10.17	
26	13.06	33.41	13.24	119.25	40.84	930.07	507.17	78.67	16.12	9.44	9.08	9.81	
27	11.80	29.87	12.52	288.40	50.34	1023.22	415.83	20.07	15.40	9.44	8.72	8.90	
28	12.88	32.53	11.80	185.53	77.11	1067.58	367.06	16.84	16.12	9.44	8.35	9.26	
29	45.59	25.42	11.44	120.80	119.25	1083.71	337.81	75.54	15.76	9.44		8.35	
30	23.64	17.20	11.07	88.07	123.91	1004.83	319.60	80.24	14.50	9.26		8.17	
31		16.84		67.68	151.65		547.01		14.14	9.26		8.90	
Total	360.76	427.23	485.60	1313.94	1292.96	15897.49	22641.76	8291.78	984.29	331.83	257.28	271.43	52556.35 Tonday
Mean	12.03	13.78	16.19	42.39	41.71	529.92	730.38	276.39	31.75	10.70	9.19	8.76	143.99 Ton/day
Max	45.59	33.41	59.81	288.40	151.65	1083.71	1495.75	646.26	80.24	13.60	12.88	11.62	1495.75 Ton/day
Min	7.99	7.81	10.17	8.53	13.78	143.22	319.60	16.84	14.14	9.26	7.81	7.08	7.08 Ton/day

WATER YEAR : 2021

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	2021					
Number of observation	33					
R-Square	0.7506					
Remarks	Continued Sediment Station					

QS = 38.3060 QW^{1.13050}

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.84	1523.68	34.43	1.01	157.88	2804.40	830.50	942.52	105.49	60.58	38.31	9.08	
2	2.84	942.52	23.13	0.73	150.26	1603.42	1056.09	576.18	105.49	60.58	38.31	2.84	
3	2.84	756.77	5.86	0.73	120.21	2360.88	1404.98	1523.68	105.49	47.07	83.87	2.84	
4	2.84	980.21	34.43	0.73	120.21	1365.66	793.54	665.77	105.49	47.07	83.87	2.84	
5	2.84	334.52	12.45	2.84	142.67	1483.99	517.33	488.18	105.49	47.07	83.87	2.84	
6	2.84	236.29	2.84	60.58	120.21	695.95	413.36	401.99	98.22	38.31	83.87	30.61	
7	15.92	196.63	2.84	157.88	142.67	2549.88	793.54	2298.25	98.22	83.87	83.87	60.58	
8	2.84	236.29	2.84	268.59	120.21	15036.99	867.66	605.88	91.01	83.87	83.87	517.33	
9	9.08	334.52	19.49	112.82	83.87	5582.56	756.77	413.36	91.01	83.87	83.87	290.38	
10	19.49	236.29	38.31	188.81	83.87	10509.64	605.88	345.66	83.87	83.87	83.87	142.67	
11	19.49	605.88	38.31	212.40	83.87	5306.29	695.95	323.42	98.22	83.87	83.87	83.87	
12	9.08	334.52	34.43	142.67	127.65	1523.68	942.52	301.35	98.22	83.87	91.01	74.45	
13	196.63	268.59	15.92	79.14	127.65	793.54	1326.48	279.46	83.87	83.87	91.01	60.58	
14	56.04	236.29	9.08	793.54	83.87	942.52	726.29	268.59	83.87	83.87	257.77	34.43	
15	19.49	279.46	2.84	1132.61	247.01	830.50	5123.03	247.01	83.87	83.87	334.52	30.61	
16	2.84	756.77	2.84	1171.10	665.77	1056.09	6891.91	212.40	83.87	83.87	228.30	26.84	
17	2.84	279.46	2.84	447.72	401.99	546.67	5306.29	196.63	79.14	98.22	181.02	228.30	
18	1.90	447.72	2.84	312.36	665.77	1094.28	5675.00	188.81	74.45	83.87	98.22	173.27	
19	142.67	2676.79	26.84	212.40	301.35	695.95	2676.79	157.88	69.79	83.87	47.07	236.29	
20	268.59	290.38	9.08	157.88	236.29	867.66	1804.74	157.88	65.17	83.87	38.31	236.29	
21	83.87	605.88	2.84	150.26	196.63	1988.18	3126.33	165.55	60.58	83.87	38.31	181.02	
22	30.61	1056.09	5.86	120.21	212.40	1132.61	1248.51	150.26	60.58	83.87	38.31	165.55	
23	15.92	368.07	34.43	120.21	390.64	665.77	1132.61	150.26	56.04	83.87	15.92	220.33	
24	546.67	165.55	1.90	127.65	301.35	3408.48	756.77	150.26	56.04	83.87	38.31	1988.18	
25	356.85	127.65	1.30	1018.07	188.81	3627.38	576.18	142.67	56.04	69.79	38.31	459.24	
26	488.18	83.87	1.30	665.77	2423.69	14014.25	488.18	142.67	69.79	47.07	23.13	279.46	
27	576.18	135.13	1.30	401.99	2049.78	4758.78	413.36	135.13	79.14	47.07	30.61	228.30	
28	436.23	196.63	1.01	279.46	2868.46	3191.19	424.78	135.13	69.79	47.07	9.08	204.50	
29	1764.26	157.88	0.73	220.33	3335.87	1603.42	695.95	127.65	60.58	26.84		157.88	
30	2997.07	79.14	0.73	181.02	1365.66	1018.07	488.18	112.82	60.58	19.49		181.02	
31		51.53		157.88	1723.88		2049.78		56.04	12.45		142.67	
Total	8079.78	14981.00	373.04	8899.39	19240.45	93058.68	50609.28	12007.30	2495.45	2094.47	2430.66	6455.09	220724.59 Ton/day
Mean	269.33	483.26	12.43	287.08	620.66	3101.96	1632.56	400.24	80.50	67.56	86.81	208.23	604.72 Ton/day
Max	2997.07	2676.79	38.31	1171.10	3335.87	15036.99	6891.91	2298.25	105.49	98.22	334.52	1988.18	15036.99 Ton/day
Min	1.90	51.53	0.73	0.73	83.87	546.67	413.36	112.82	56.04	12.45	9.08	2.84	0.73 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	21		
R-Square	0.9098		
Remarks	Continued Sediment Station		

$$QS = 13.9250 QW^{1.28240}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.35	471.91	4.72	4.72	18.54	1488.10	115.34	56.97	5.00	0.73	0.16	0.30	
2	2.35	410.76	4.72	5.00	15.74	216.61	141.55	71.98	4.30	0.73	0.16	0.30	
3	2.35	66.89	4.72	4.30	15.74	750.50	168.87	77.15	4.03	0.73	0.30	0.30	
4	2.35	52.15	4.72	4.30	13.04	226.46	98.56	66.89	4.03	0.73	0.30	0.30	
5	2.35	30.65	4.72	4.72	10.46	366.17	77.15	52.15	4.03	0.73	0.30	0.30	
6	2.35	30.65	4.72	5.43	5.72	168.87	66.89	42.79	4.03	0.73	0.30	0.55	
7	2.35	13.04	4.72	4.72	4.72	132.68	123.95	115.34	3.62	0.73	0.30	0.55	
8	2.35	3.62	4.30	4.03	4.30	5756.47	90.40	71.98	3.62	0.73	0.16	2.11	
9	2.35	3.62	4.30	5.00	4.30	855.15	98.56	61.89	4.30	0.73	2.11	1.54	
10	2.35	4.03	4.30	33.87	4.03	1138.46	98.56	52.15	4.30	0.73	0.30	0.55	
11	2.35	4.30	4.30	30.65	5.00	503.17	71.98	42.79	4.03	0.73	0.30	0.30	
12	2.35	4.72	4.30	13.04	15.74	115.34	115.34	33.87	4.03	0.73	0.30	0.30	
13	2.35	5.00	4.30	18.54	10.46	71.98	187.65	27.50	3.62	0.73	0.30	0.30	
14	2.35	5.00	4.30	15.74	8.01	178.21	141.55	38.28	3.62	0.55	5.00	0.30	
15	2.35	5.00	4.03	10.46	8.01	206.86	322.74	27.50	3.36	0.55	2.35	0.30	
16	2.35	5.00	4.03	30.65	98.56	380.91	1398.79	27.50	3.36	0.55	2.72	0.30	
17	2.35	4.72	4.03	30.65	132.68	123.95	1609.05	24.43	2.97	0.55	0.55	0.30	
18	2.35	4.72	4.03	15.74	178.21	236.41	1114.97	21.44	2.72	0.55	0.55	0.55	
19	2.72	4.30	4.03	15.74	33.87	150.54	322.74	18.54	2.35	0.55	0.30	0.55	
20	2.97	4.30	4.03	10.46	30.65	456.45	197.20	18.54	2.11	0.55	0.30	0.55	
21	3.36	4.03	4.03	5.43	27.50	534.86	178.21	15.74	1.77	0.30	0.30	0.00	
22	3.36	4.03	3.62	5.00	30.65	150.54	141.55	13.04	1.77	0.30	0.16	0.00	
23	3.36	3.62	3.62	4.30	56.97	141.55	115.34	13.04	1.77	0.30	0.30	2.11	
24	3.36	3.62	3.62	18.54	47.42	246.45	98.56	13.04	1.77	0.30	0.30	90.40	
25	3.36	3.62	3.36	42.79	82.39	976.33	77.15	10.46	2.35	0.30	0.30	33.87	
26	3.36	3.36	2.97	38.28	141.55	4288.58	61.89	5.43	3.62	0.30	0.30	18.54	
27	3.36	3.36	2.97	18.54	266.81	566.97	52.15	5.43	4.03	0.30	0.30	13.04	
28	3.36	5.00	2.72	13.04	115.34	294.48	52.15	5.43	2.11	0.30	0.30	13.04	
29	3.62	5.00	2.35	13.04	106.88	168.87	71.98	5.43	1.02	0.16		5.72	
30	187.65	4.72	2.35	13.04	30.65	132.68	66.89	5.43	0.73	0.16		5.43	
31		4.72		8.01	308.54		56.97		0.73	0.16		4.72	
Total	266.14	1179.46	118.93	447.77	1832.48	21024.60	7534.68	1042.15	95.10	16.22	19.32	197.42	33774.27 Tonday
Mean	8.87	38.05	3.96	14.44	59.11	700.82	243.05	34.74	3.07	0.52	0.69	6.37	92.53 Ton/day
Max	187.65	471.91	4.72	42.79	308.54	5756.47	1609.05	115.34	5.00	0.73	5.00	90.40	5756.47 Ton/day
Min	2.35	3.36	2.35	4.03	4.03	71.98	52.15	5.43	0.73	0.16	0.16	0.00	0.00 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	24		
R-Square	0.8504		
Remarks	Continued Sediment Station		

$$QS = 5.1615 QW^{1.01530}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	20.02	186.05	42.25	13.62	32.53	166.59	963.36	734.17	34.52	16.44	40.63	21.62	
2	19.22	247.59	39.82	13.62	26.45	145.91	920.85	689.01	34.15	16.01	39.38	26.45	
3	18.84	248.42	34.15	14.42	23.66	130.76	828.56	655.18	33.72	16.01	39.00	27.26	
4	20.82	220.11	28.87	18.41	16.44	130.76	711.58	612.35	34.52	15.21	37.76	25.27	
5	26.45	198.50	23.23	7.26	11.23	121.80	592.09	571.83	33.34	14.42	37.38	24.04	
6	29.30	179.41	20.45	3.33	13.25	111.91	474.07	531.34	32.10	13.62	36.57	23.23	
7	34.96	176.93	19.22	2.97	11.23	130.76	405.71	493.15	33.34	12.82	35.77	26.07	
8	46.31	179.41	16.81	45.50	10.43	203.48	364.89	445.48	31.72	12.02	34.96	41.44	
9	64.34	172.78	13.25	90.54	14.84	324.69	331.38	422.51	30.48	11.23	34.15	73.06	
10	75.24	152.08	10.86	128.01	19.22	386.97	301.28	402.35	28.87	10.43	33.34	83.43	
11	82.34	132.80	10.06	163.12	14.42	435.95	280.11	374.67	28.87	9.64	32.53	73.60	
12	95.46	101.49	9.27	152.80	16.81	531.34	268.99	354.83	28.87	9.64	31.72	72.51	
13	111.36	76.33	8.48	126.64	22.86	592.09	254.25	326.92	28.87	10.06	31.29	69.24	
14	117.68	65.43	7.68	117.68	22.43	734.17	279.00	296.82	28.49	10.06	30.91	55.26	
15	113.01	51.19	7.26	134.18	23.66	852.32	322.46	255.09	33.72	10.43	30.11	49.94	
16	105.88	45.50	6.11	161.07	25.65	906.68	415.79	217.62	34.52	10.86	29.68	47.12	
17	82.34	44.25	4.53	196.01	27.26	906.68	792.93	181.90	33.34	10.86	28.87	42.25	
18	62.16	41.82	4.53	224.27	29.30	892.52	935.01	152.08	32.10	11.23	28.49	38.57	
19	65.97	38.19	4.53	213.46	34.96	852.32	920.85	132.14	30.48	12.45	28.06	36.95	
20	80.15	41.44	4.53	155.56	58.08	792.93	906.68	110.27	28.87	12.82	27.26	39.00	
21	86.71	44.25	4.53	95.46	69.79	734.17	949.18	95.46	27.69	13.25	26.45	39.00	
22	83.43	38.57	4.53	60.53	88.90	689.01	1048.47	89.44	26.45	15.21	25.65	40.63	
23	75.78	33.72	4.12	47.93	94.92	655.18	1133.68	82.88	25.27	18.04	24.84	43.06	
24	70.88	32.10	4.12	43.06	96.56	612.35	1133.68	73.60	24.04	27.69	24.46	43.06	
25	64.88	33.72	3.33	62.71	106.97	612.35	1091.06	66.52	22.86	30.91	22.86	42.63	
26	59.99	35.77	2.97	104.78	152.80	666.45	1048.47	63.25	30.11	34.96	21.25	46.31	
27	55.26	40.63	2.55	106.43	237.59	734.17	977.54	59.44	20.02	36.95	19.64	43.87	
28	55.64	56.07	6.11	94.37	259.26	792.93	920.85	56.45	19.22	36.57	18.84	41.44	
29	64.88	67.06	14.04	76.88	243.42	852.32	864.21	49.94	18.41	37.38		39.00	
30	108.62	58.08	13.62	51.19	212.63	920.85	828.56	37.76	17.61	39.00		36.57	
31		49.56		36.95	187.71		781.06		16.44	40.19		35.33	
Total	1997.92	3089.25	375.81	2762.76	2205.26	16620.41	22046.60	8634.45	883.01	576.41	851.85	1347.21	61390.94 Tonday
Mean	66.60	99.65	12.53	89.12	71.14	554.01	711.18	287.82	28.48	18.59	30.42	43.46	168.19 Ton/day
Max	117.68	248.42	42.25	224.27	259.26	920.85	1133.68	734.17	34.52	40.19	40.63	83.43	1133.68 Ton/day
Min	18.84	32.10	2.55	2.97	10.43	111.91	254.25	37.76	16.44	9.64	18.84	21.62	2.55 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	24		
R-Square	0.9510		
Remarks	Continued Sediment Station		

$$QS = 7.9341 QW^{1.04040}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	19.56	4.83	9.51	5.96	5.47	22.39	4292.82	1368.82	366.45	34.26	33.13	28.34	
2	20.84	4.83	9.26	4.83	4.58	61.87	4084.86	1357.53	318.68	34.00	32.95	28.17	
3	22.13	5.07	9.18	4.26	4.18	77.31	3784.44	1323.48	265.51	33.83	33.13	28.17	
4	16.06	4.83	9.09	4.18	3.86	82.01	3308.44	1248.04	253.41	33.56	32.95	27.91	
5	13.95	4.74	9.09	4.02	3.54	98.52	2710.74	1158.76	40.40	33.83	32.69	27.74	
6	12.60	4.74	9.01	3.62	3.22	119.90	2244.42	1101.22	38.38	34.26	32.52	27.48	
7	11.51	4.58	9.18	3.70	2.90	150.87	1830.79	1044.29	37.76	34.26	32.26	27.48	
8	10.34	4.50	8.60	3.70	2.74	182.08	1524.21	1008.40	37.06	34.44	32.08	27.48	
9	9.18	4.34	8.10	3.38	2.74	269.30	1357.53	978.53	33.83	34.70	31.65	27.30	
10	8.10	5.31	7.69	3.14	2.82	422.17	1190.33	951.67	33.39	34.88	31.65	27.30	
11	7.19	6.21	7.69	3.14	3.30	480.11	1020.36	906.98	30.51	34.88	31.38	27.04	
12	6.21	6.21	8.02	3.14	4.02	460.76	892.10	862.37	30.51	34.88	31.21	26.87	
13	5.47	5.96	8.26	3.30	3.38	395.23	794.15	823.78	30.78	34.88	31.21	26.61	
14	5.23	5.64	8.10	3.54	3.70	328.21	735.50	788.23	31.21	34.88	30.95	26.44	
15	5.15	5.23	8.51	4.99	3.86	263.62	742.88	752.73	31.38	34.88	30.78	26.18	
16	6.05	4.74	9.01	5.56	3.14	224.87	909.95	723.20	32.08	34.70	30.51	26.18	
17	5.56	4.83	9.43	5.72	2.82	183.39	1119.22	701.08	32.52	34.70	30.34	26.18	
18	5.31	6.21	9.51	5.15	2.66	170.35	1372.65	678.99	32.95	34.44	30.08	26.87	
19	6.05	8.10	9.01	4.58	2.66	210.69	1619.19	657.42	33.56	34.70	30.08	27.48	
20	6.21	10.67	8.43	4.02	2.66	458.83	1765.58	637.84	33.83	34.44	29.91	27.48	
21	5.47	12.60	7.93	3.38	2.66	760.12	1863.43	616.32	34.26	34.26	29.91	27.74	
22	4.02	13.19	7.93	3.22	2.82	1140.23	1941.04	594.83	34.26	34.00	29.91	27.91	
23	3.86	13.53	7.93	3.38	2.82	1478.68	2014.68	567.52	34.26	34.00	29.65	27.48	
24	3.78	13.44	7.52	3.54	2.50	1810.40	2096.62	536.38	34.44	34.00	29.47	27.30	
25	4.02	14.20	6.78	4.58	2.58	2252.65	2141.74	509.18	34.70	34.00	29.04	27.04	
26	3.78	15.13	6.54	4.58	2.82	2710.74	2092.52	483.98	34.70	34.00	29.04	27.04	
27	3.38	15.39	6.45	4.74	3.06	3607.35	1961.48	456.90	34.70	33.83	28.78	26.61	
28	3.30	14.46	6.21	5.56	3.30	4071.18	1806.32	431.80	34.70	33.56	28.60	26.18	
29	3.14	13.27	6.29	6.45	3.86	4321.28	1664.88	402.92	34.44	33.39		25.75	
30	4.18	12.01	6.70	6.45	6.29	4392.47	1535.55	376.04	34.44	33.13		25.31	
31		10.67		6.13	7.93		1421.79		34.44	33.13		25.14	
Total	241.63	259.46	244.96	135.94	108.89	31207.58	57840.21	24049.23	2123.54	1060.70	865.86	838.20	118976.20 Tonday
Mean	8.05	8.37	8.17	4.39	3.51	1040.25	1865.81	801.64	68.50	34.22	30.92	27.04	325.96 Ton/day
Max	22.13	15.39	9.51	6.45	7.93	4392.47	4292.82	1368.82	366.45	34.88	33.13	28.34	4392.47 Ton/day
Min	3.14	4.34	6.21	3.14	2.50	22.39	735.50	376.04	30.51	33.13	28.60	25.14	2.50 Ton/day

WATER YEAR : 2021

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
Drainge 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	2021		
Number of observation	20		
R-Square	0.8286		
Remarks	Continued Sediment Station		

$$QS = 14.2460 QW^{0.81540}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	332.36	157.18	1637.16	425.26	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	379.46	335.78	1709.82	454.12	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	402.51	356.09	1740.01	526.09	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	237.36	366.15	1732.97	580.88	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	42.31	399.24	1690.93	583.89	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	18.74	409.04	1621.27	580.88	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	17.98	488.84	1528.39	571.83	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	17.64	510.64	1417.84	547.54	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	16.53	562.75	1285.21	510.64	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	9.39	607.83	1132.17	332.36	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	9.39	601.87	981.42	270.65	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	11.88	565.78	801.02	279.56	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	13.43	544.49	450.94	345.97	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	20.37	598.88	237.36	366.15	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	59.73	658.03	311.72	362.80	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	110.99	684.25	395.95	288.41	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	177.14	692.94	516.84	231.20	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	206.16	707.37	598.88	209.33	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	146.98	724.60	544.49	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	249.58	741.73	479.43	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	291.35	764.44	526.09	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	285.47	803.82	568.81	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	267.66	820.57	601.87	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	12.84	243.49	851.06	655.10	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	19.83	206.16	1048.63	681.35	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	45.91	126.80	1214.34	690.05	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	118.23	52.92	1268.42	678.44	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	243.49	25.07	1348.57	610.81	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	258.66	38.64	1421.12	562.75	0.00	0.00	0.00		0.00	
30	0.00	0.00	0.00	300.12	52.92	1518.71	447.75	0.00	0.00	0.00		0.00	
31		0.00		288.41	71.25		425.26		0.00	0.00		0.00	
Total	0.00	0.00	0.00	1287.49	4141.66	21773.16	27262.10	7467.56	0.00	0.00	0.00	0.00	61931.97 Tonday
Mean	0.00	0.00	0.00	41.53	133.60	725.77	879.42	248.92	0.00	0.00	0.00	0.00	169.68 Ton/day
Max	0.00	0.00	0.00	300.12	402.51	1518.71	1740.01	583.89	0.00	0.00	0.00	0.00	1740.01 Ton/day
Min	0.00	0.00	0.00	0.00	9.39	157.18	237.36	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	40		
R-Square	0.9455		
Remarks	Continued Sediment Station		

$$QS = 13.4700 QW^{1.44360}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.60	535.44	6.76	3.59	5.53	557.29	314.11	34.02	11.94	6.76	7.39	5.24	
2	3.08	73.85	6.76	3.59	6.76	108.40	227.70	28.98	11.20	6.76	6.44	5.24	
3	3.33	26.55	6.76	3.59	6.44	110.62	140.72	26.55	11.20	6.76	6.44	5.24	
4	3.59	16.69	6.76	3.59	6.44	32.99	50.56	24.65	11.20	6.76	6.14	5.24	
5	3.85	214.83	6.76	3.33	6.14	21.00	28.49	22.80	10.83	6.76	6.44	4.95	
6	2.84	32.99	6.76	3.33	5.83	15.86	50.56	117.37	10.83	6.76	6.44	4.95	
7	3.33	25.12	7.07	4.39	5.83	21.89	67.38	4850.31	10.47	6.44	6.14	5.53	
8	3.08	22.80	8.72	8.05	5.83	334.79	30.46	264.24	10.11	6.44	6.14	8.38	
9	3.08	21.00	9.41	10.83	5.24	133.58	21.89	124.24	10.47	5.83	6.14	9.76	
10	3.85	154.10	9.41	12.32	4.39	151.23	117.37	82.18	10.11	6.14	5.53	7.39	
11	4.95	189.80	9.41	15.86	4.39	214.83	34.54	31.47	10.11	6.14	5.83	6.44	
12	4.67	168.70	9.41	13.08	4.39	37.97	35.06	24.65	9.76	6.14	7.39	5.83	
13	4.67	28.49	9.41	9.06	4.39	21.89	271.06	22.35	9.76	5.83	7.07	5.53	
14	6.14	19.67	9.41	8.38	4.67	29.97	73.85	21.44	9.76	5.83	7.39	5.53	
15	6.14	19.67	8.05	10.83	4.67	28.98	475.05	19.24	9.76	6.14	6.76	5.24	
16	6.14	19.67	9.06	10.83	4.67	89.05	326.47	17.95	9.76	6.76	6.76	5.83	
17	5.53	19.67	9.06	8.05	4.95	44.83	1958.53	17.11	9.76	6.76	6.76	7.07	
18	4.67	28.98	9.41	6.44	25.60	55.00	1736.28	15.46	9.41	6.76	8.72	7.39	
19	4.95	19.67	9.41	6.14	13.86	25.60	377.33	17.53	9.41	6.44	8.38	20.11	
20	34.54	19.67	9.06	5.53	13.08	21.00	143.12	15.86	8.05	6.44	7.72	9.06	
21	12.32	22.35	5.53	5.24	25.12	61.09	119.64	15.05	7.72	6.44	7.07	8.72	
22	6.76	19.67	5.83	4.95	15.46	89.05	94.31	14.65	7.72	6.76	6.76	8.05	
23	42.04	19.67	5.83	4.95	8.38	35.06	230.95	14.25	7.39	7.39	6.44	21.44	
24	281.39	19.67	4.95	7.39	7.39	334.79	112.86	15.46	7.39	7.07	6.14	302.41	
25	75.49	19.67	4.12	18.38	8.05	486.71	70.59	14.25	6.76	7.72	6.14	33.51	
26	8.05	19.67	3.85	24.65	35.59	919.14	49.11	13.47	7.07	7.72	6.14	108.40	
27	11.94	18.80	3.85	11.94	457.71	254.11	35.59	13.08	5.53	7.39	5.53	26.55	
28	11.20	9.41	3.85	7.39	230.95	205.33	32.99	12.70	6.76	7.39	5.24	16.69	
29	72.21	6.76	3.85	6.44	250.76	64.21	124.24	12.32	6.76	7.39		65.79	
30	1363.85	6.76	3.85	6.14	310.02	29.97	78.82	11.94	6.76	7.72		21.89	
31		6.76		5.83	639.61		78.82		6.76	8.05		13.86	
Total	2000.28	1826.55	212.37	254.11	2132.14	4536.23	7508.45	5915.57	280.52	209.69	185.48	767.26	25828.65 Tonday
Mean	66.68	58.92	7.08	8.20	68.78	151.21	242.21	197.19	9.05	6.76	6.62	24.75	70.76 Ton/day
Max	1363.85	535.44	9.41	24.65	639.61	919.14	1958.53	4850.31	11.94	8.05	8.72	302.41	4850.31 Ton/day
Min	2.60	6.76	3.85	3.33	4.39	15.86	21.89	11.94	5.53	5.83	5.24	4.95	2.60 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	20		
R-Square	0.3157		
Remarks	Continued Sediment Station		

$$QS = 6.4680 QW^{1.10970}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	35.17	344.98	319.56	5.05	187.68	639.68	1908.84	1931.52	217.95	35.17	101.94	38.58	
2	33.48	415.84	280.75	3.00	120.96	687.33	2026.31	1897.51	181.68	42.02	101.94	35.17	
3	30.12	501.14	217.95	1.70	90.69	696.44	2083.39	1863.55	159.86	45.49	94.43	35.17	
4	30.12	592.39	205.79	1.08	68.62	701.00	2083.39	1829.66	150.04	54.28	94.43	38.58	
5	33.48	691.88	181.68	0.50	50.74	691.88	2064.35	1795.83	145.15	57.83	105.72	43.76	
6	40.30	728.43	159.86	0.00	45.49	701.00	2045.32	1762.07	140.28	61.41	109.51	45.49	
7	65.00	750.22	150.04	0.00	40.30	807.85	2007.31	1728.36	135.42	65.00	101.94	45.49	
8	109.51	755.96	154.94	1.08	33.48	906.74	1988.34	1688.50	117.13	101.94	109.51	43.76	
9	164.80	744.48	150.04	1.70	33.48	906.74	1950.44	1645.01	109.51	68.62	117.13	61.41	
10	205.79	733.01	135.42	11.65	21.89	953.66	1908.84	1592.98	109.51	47.24	101.94	83.27	
11	224.06	723.85	120.96	280.75	18.68	1000.81	1908.84	1549.74	98.17	42.02	75.91	164.80	
12	251.73	705.57	113.31	401.78	13.19	1065.99	2026.31	1510.31	90.69	42.02	72.25	230.18	
13	258.96	687.33	101.94	486.81	9.40	1107.68	2083.39	1480.81	72.25	38.58	65.00	244.53	
14	273.47	576.70	86.97	515.50	6.47	1143.54	2083.39	1458.72	45.49	35.17	65.00	251.73	
15	295.38	415.84	65.00	501.14	6.47	1179.51	2064.35	1436.66	38.58	35.17	61.41	237.34	
16	319.56	319.56	57.83	458.29	5.75	1221.61	2045.32	1399.97	75.91	33.48	65.00	211.86	
17	319.56	251.73	68.62	415.84	5.75	1263.86	2007.31	1354.85	90.69	31.80	61.41	205.79	
18	288.05	159.86	65.00	401.78	5.75	1318.38	1988.34	1312.31	72.25	31.80	50.74	193.70	
19	244.53	224.06	45.49	429.94	18.68	1367.03	1950.44	1251.78	61.41	31.80	54.28	199.74	
20	205.79	258.96	36.88	458.29	40.30	1414.64	1908.84	1113.65	61.41	31.80	68.62	224.06	
21	217.95	251.73	33.48	486.81	61.41	1480.81	1679.80	930.17	47.24	31.80	75.91	237.34	
22	251.73	258.96	26.80	444.10	98.17	1575.67	1717.14	796.29	43.76	30.12	79.58	280.75	
23	273.47	258.96	25.15	237.34	117.13	1627.65	1784.57	719.28	45.49	30.12	75.91	311.13	
24	266.20	224.06	20.28	175.71	145.15	1662.40	1840.95	639.68	45.49	28.45	72.25	319.56	
25	251.73	154.94	17.09	175.71	169.75	1773.32	1897.51	545.46	45.49	26.80	68.62	302.72	
26	230.18	164.80	13.96	169.75	193.70	1795.83	1931.52	458.29	47.24	26.80	61.41	288.05	
27	230.18	217.95	12.42	244.53	224.06	1818.38	1969.38	401.78	50.74	43.76	54.28	258.96	
28	224.06	288.05	10.90	328.01	302.72	1829.66	1988.34	336.49	57.83	45.49	43.76	266.20	
29	217.95	328.01	8.65	344.98	415.84	1840.95	2064.35	295.38	61.41	35.17		258.96	
30	266.20	319.56	7.19	311.13	515.50	1852.25	2026.31	251.73	54.28	68.62		237.34	
31		319.56		266.20	592.39		1988.34		38.58	90.69		199.74	
Total	5858.51	13368.37	2893.95	7560.15	3659.59	37032.29	61021.27	36978.34	2710.93	1390.46	2209.83	5595.16	180278.85 Tonday
Mean	195.28	431.24	96.47	243.88	118.05	1234.41	1968.43	1232.61	87.45	44.85	78.92	180.49	493.91 Ton/day
Max	319.56	755.96	319.56	515.50	592.39	1852.25	2083.39	1931.52	217.95	101.94	117.13	319.56	2083.39 Ton/day
Min	30.12	154.94	7.19	0.00	5.75	639.68	1679.80	251.73	38.58	26.80	43.76	35.17	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	20		
R-Square	0.8671		
Remarks	Continued Sediment Station		

$$QS = 6.1462 QW^{0.89820}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	0.00	0.00	720.65	556.22	52.32	19.66	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.00	736.08	488.48	49.27	18.94	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	0.00	732.86	428.54	49.27	18.21	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	0.00	720.65	400.45	44.67	16.73	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.00	681.93	308.38	41.57	15.99	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	0.00	616.82	204.13	40.01	14.50	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	0.00	532.31	150.56	38.45	12.22	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.00	429.90	123.37	36.87	10.94	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	0.00	263.36	187.73	33.48	9.90	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	0.00	263.36	373.53	31.65	8.85	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	0.00	348.47	302.00	30.73	7.24	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	0.00	256.86	245.26	30.73	6.15	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.00	0.00	209.32	219.66	30.73	5.59	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.00	0.00	165.08	204.13	31.65	5.03	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.00	0.00	165.08	172.67	32.56	4.75	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.00	0.00	187.73	155.93	30.73	4.17	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.00	0.00	245.26	145.17	29.81	3.59	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.00	0.00	250.34	126.12	28.88	3.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.00	0.00	128.86	109.53	29.81	2.39	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.00	0.00	276.31	106.74	27.95	1.77	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.00	0.00	480.07	98.71	25.38	1.12	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.00	0.00	619.44	96.69	24.68	0.42	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	14.50	755.30	92.65	23.97	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.00	106.74	809.49	84.49	23.26	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	145.17	819.01	78.31	23.26	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	240.16	809.49	72.07	23.26	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	439.44	790.41	65.77	22.54	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.00	500.23	758.50	62.81	21.83	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	581.67	711.96	59.84	21.83	0.00		0.00	
30	0.00	0.00	0.00	0.00	0.00	679.34	658.57	56.84	21.11	0.00		0.00	
31		0.00		0.00	0.00		606.33		19.66	0.00		0.00	
Total	0.00	0.00	0.00	0.00	0.00	2707.25	15749.80	5776.78	971.92	191.16	0.00	0.00	25396.91 Tonday
Mean	0.00	0.00	0.00	0.00	0.00	90.24	508.06	192.56	31.35	6.17	0.00	0.00	69.58 Ton/day
Max	0.00	0.00	0.00	0.00	0.00	679.34	819.01	556.22	52.32	19.66	0.00	0.00	819.01 Ton/day
Min	0.00	0.00	0.00	0.00	0.00	0.00	128.86	56.84	19.66	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	32		
R-Square	0.7745		
Remarks	Continued Sediment Station		

$$QS = 0.9258 QW^{1.35420}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.06	24.40	12.91	0.15	84.38	40.22	156.10	134.01	116.37	16.53	10.01	14.69	
2	3.20	22.36	16.53	0.34	57.16	128.06	187.05	380.82	156.10	12.91	10.95	3.79	
3	8.19	20.36	16.53	4.10	156.10	140.03	230.47	253.04	166.26	10.95	3.48	2.01	
4	12.91	9.08	10.95	110.64	93.90	128.06	140.03	187.05	110.64	10.95	3.39	2.01	
5	8.19	10.95	3.70	176.57	49.91	84.38	116.37	219.39	156.10	20.36	3.99	2.45	
6	2.53	20.36	3.20	166.26	176.57	57.16	156.10	128.06	156.10	16.53	18.42	14.69	
7	2.18	10.95	3.20	187.05	187.05	72.38	156.10	93.90	16.53	14.69	16.53		
8	1.50	6.46	18.42	116.37	88.49	166.26	72.38	140.03	156.10	22.36	22.36	8.19	
9	2.73	22.36	24.40	241.68	140.03	76.33	68.49	104.98	84.38	16.53	14.69	16.53	
10	22.36	18.42	26.49	156.10	140.03	230.47	33.33	110.64	156.10	20.36	3.99	18.42	
11	16.53	26.49	22.36	134.01	140.03	208.46	57.16	88.49	80.33	16.53	14.69	11.92	
12	22.36	22.36	18.42	176.57	176.57	134.01	49.91	110.64	11.92	12.91	18.42	10.95	
13	4.86	24.40	4.86	99.40	104.98	93.90	42.59	134.01	12.91	11.92	10.95	14.69	
14	8.19	4.86	11.92	156.10	99.40	116.37	31.11	128.06	16.53	4.86	12.91	18.42	
15	3.39	3.48	5.64	140.03	68.49	99.40	33.33	128.06	14.69	3.90	10.01	11.92	
16	4.86	4.10	5.64	134.01	197.68	197.68	42.59	110.64	7.31	7.31	9.08	6.46	
17	24.40	4.86	22.36	176.57	197.68	380.82	76.33	146.12	18.42	11.92	3.00	2.35	
18	22.36	3.90	20.36	60.87	156.10	208.46	128.06	134.01	16.53	11.92	2.53	1.75	
19	24.40	1.91	12.91	104.98	134.01	219.39	64.65	156.10	10.01	16.53	3.00	2.18	
20	20.36	0.77	12.91	146.12	166.26	208.46	49.91	122.18	9.08	16.53	18.42	7.31	
21	9.08	0.64	12.91	128.06	122.18	99.40	68.49	60.87	10.95	22.36	16.53	11.92	
22	3.90	0.29	7.31	104.98	84.38	219.39	42.59	72.38	14.69	16.53	16.53	12.91	
23	2.91	0.64	6.46	104.98	72.38	208.46	134.01	166.26	20.36	12.91	20.36	9.08	
24	2.18	4.10	3.20	156.10	110.64	380.82	717.39	128.06	18.42	22.36	18.42	2.35	
25	1.75	3.20	1.75	99.40	116.37	219.39	449.51	156.10	14.69	11.92	14.69	1.91	
26	2.08	4.10	0.90	84.38	88.49	241.68	187.05	76.33	10.01	14.69	11.92	2.27	
27	0.98	16.53	1.59	93.90	122.18	515.17	166.26	128.06	10.95	10.01	6.46	12.91	
28	1.75	5.64	2.45	140.03	93.90	567.59	104.98	128.06	11.92	12.91	22.36	12.91	
29	3.90	16.53	2.08	140.03	128.06	515.17	93.90	146.12	14.69	12.91		12.91	
30	10.95	11.92	0.64	110.64	122.18	208.46	84.38	93.90	16.53	7.31		9.08	
31		6.46		156.10	76.33		140.03		18.42	7.31		2.27	
Total	255.04	332.88	313.00	3806.52	3751.91	6165.83	3996.93	4228.57	1711.41	429.56	336.25	277.78	25605.68 Tonday
Mean	8.50	10.74	10.43	122.79	121.03	205.53	128.93	140.95	55.21	13.86	12.01	8.96	70.15 Ton/day
Max	24.40	26.49	26.49	241.68	197.68	567.59	717.39	380.82	166.26	22.36	22.36	18.42	717.39 Ton/day
Min	0.06	0.29	0.64	0.15	49.91	40.22	31.11	60.87	7.31	3.90	2.53	1.75	0.06 Ton/day

WATER YEAR : 2021

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
Drainage 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	2021		
Number of observation	30		
R-Square	0.7626		
Remarks	Continued Sediment Station		

$$QS = 1.9707 QW^{1.42840}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.03	0.06	12.87	0.06	0.73	2.74	153.85	90.74	14.33	0.13	0.07	0.08	
2	0.03	0.55	11.13	0.06	0.73	0.24	150.23	251.90	2.93	0.14	0.07	0.10	
3	0.03	14.33	6.08	0.06	0.73	0.20	142.95	196.08	0.67	0.17	0.07	0.07	
4	0.03	15.46	5.00	0.06	0.73	0.20	172.70	298.05	1.38	0.14	0.07	0.07	
5	0.03	15.46	2.74	0.06	0.73	0.20	37.19	176.48	0.34	0.13	0.07	0.07	
6	0.04	5.80	16.04	0.06	0.73	0.20	24.51	35.98	1.59	0.12	0.07	0.07	
7	0.05	0.06	14.89	0.06	0.73	0.20	17.21	17.21	0.14	0.12	0.08	0.10	
8	0.06	0.06	12.87	0.06	0.73	0.24	14.89	62.53	5.27	0.13	0.12	0.12	
9	0.06	0.06	13.77	0.06	0.73	128.72	8.75	75.19	1.70	0.13	0.12	0.08	
10	0.06	0.06	56.66	0.06	0.73	222.42	3.75	30.08	0.20	0.13	0.11	0.07	
11	0.06	0.06	68.57	0.11	0.73	200.00	3.52	35.98	0.18	0.12	0.07	0.07	
12	0.06	0.06	52.85	0.61	0.73	49.85	3.99	32.40	0.16	0.10	0.07	0.08	
13	0.06	0.06	21.69	0.61	0.73	1.70	4.49	32.40	0.14	0.10	0.07	0.08	
14	0.06	0.06	16.62	0.61	0.73	1.00	3.52	32.40	0.20	0.11	0.07	0.08	
15	0.06	0.06	3.99	0.61	0.82	0.20	3.75	30.08	0.20	0.13	0.07	0.08	
16	0.06	0.06	0.07	0.55	51.34	0.20	5.80	24.51	0.20	0.12	0.07	0.10	
17	0.06	0.06	0.16	0.39	34.77	3.52	8.75	22.38	0.20	0.12	0.07	0.07	
18	0.06	0.06	0.13	0.49	8.75	1097.24	150.23	19.63	0.24	0.14	0.07	0.08	
19	0.06	0.06	0.06	0.73	8.75	277.22	56.66	20.99	0.29	0.13	0.07	0.10	
20	0.06	0.06	0.06	0.73	5.27	51.34	13.32	27.81	0.29	0.13	0.08	0.08	
21	0.06	0.06	0.06	0.73	0.24	56.66	6.72	28.94	0.29	0.17	0.07	0.07	
22	0.06	0.06	0.06	0.73	0.20	180.39	6.72	22.38	0.20	0.16	0.07	0.08	
23	0.06	0.06	0.06	0.73	0.20	246.85	9.11	31.23	0.13	0.13	0.07	0.10	
24	0.06	0.06	0.06	0.73	0.20	80.27	277.22	25.96	0.14	0.10	0.07	0.10	
25	0.06	0.06	0.06	0.73	0.34	108.53	982.69	19.02	0.17	0.06	0.07	0.10	
26	0.06	0.55	0.06	0.73	2.20	192.06	1612.26	19.02	0.17	0.07	0.07	0.08	
27	0.06	23.79	0.06	0.73	1.48	485.37	647.20	30.08	0.18	0.11	0.07	0.07	
28	0.06	25.23	0.06	0.73	0.55	277.22	88.09	23.79	0.18	0.10	0.07	0.06	
29	0.06	25.23	0.06	0.73	0.20	168.83	64.52	19.02	0.20	0.07		0.07	
30	0.06	22.38	0.06	0.73	0.44	157.61	72.69	16.62	0.20	0.07		0.07	
31		13.32		0.73	3.32		77.72		0.17	0.10		0.08	
Total	1.62	163.30	316.85	14.07	129.29	3991.42	4825.00	1748.88	32.68	3.68	2.12	2.53	11231.44 Tonday
Mean	0.05	5.27	10.56	0.45	4.17	133.05	155.65	58.30	1.05	0.12	0.08	0.08	30.77 Ton/day
Max	0.06	25.23	68.57	0.73	51.34	1097.24	1612.26	298.05	14.33	0.17	0.12	0.12	1612.26 Ton/day
Min	0.03	0.06	0.06	0.06	0.20	0.20	3.52	16.62	0.13	0.06	0.07	0.06	0.03 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	26		
R-Square	0.9273		
Remarks	Continued Sediment Station		

$$QS = 0.9613 QW^{1.42100}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.15	3.57	1.25	66.80	63.23	45.26	95.73	194.17	7.97	1.74	3.18	1.98	
2	0.13	2.50	1.49	76.10	114.50	26.43	127.60	139.08	5.36	1.94	2.32	2.95	
3	0.14	4.24	1.22	108.13	89.71	21.68	264.03	123.15	8.83	2.29	1.43	2.95	
4	0.23	2.39	1.13	112.36	79.92	21.68	191.34	83.79	5.56	2.99	1.46	2.50	
5	0.19	2.22	1.13	108.13	89.71	38.37	125.34	48.11	1.61	3.14	1.61	2.11	
6	0.36	1.94	2.04	156.20	151.04	38.37	79.92	33.23	4.56	2.91	2.76	1.40	
7	0.56	2.54	2.72	177.40	148.48	33.23	56.36	24.27	7.74	2.83	4.75	1.13	
8	0.78	4.17	0.42	148.48	114.50	49.73	41.09	1.16	7.97	2.39	4.75	3.66	
9	1.98	2.39	1.19	89.71	83.79	120.97	22.44	4.30	7.66	1.84	4.43	3.92	
10	5.02	1.65	0.65	188.53	78.00	156.20	27.53	2.61	7.21	1.37	3.86	2.72	
11	5.22	0.78	0.49	188.53	194.17	215.09	20.18	4.95	6.55	1.13	3.49	3.10	
12	3.86	1.98	0.23	156.20	99.82	169.32	49.73	5.77	6.34	0.99	3.26	2.87	
13	1.74	2.39	0.20	118.80	93.71	114.50	48.11	6.99	7.29	0.85	3.10	3.30	
14	2.54	2.43	0.25	68.63	16.58	295.35	38.37	5.63	7.29	0.73	3.18	3.62	
15	2.18	2.22	0.51	116.64	24.27	473.66	30.91	5.49	5.70	0.60	3.30	3.53	
16	1.98	1.78	0.28	64.99	114.50	427.21	29.77	5.77	5.98	0.53	3.53	3.41	
17	1.22	1.43	0.53	106.04	174.65	402.48	30.91	6.84	4.95	0.93	3.66	3.26	
18	2.18	0.85	0.70	125.34	148.48	313.24	30.91	6.62	2.99	2.68	3.49	2.76	
19	5.70	0.70	0.53	83.79	85.75	177.40	53.01	7.14	4.62	3.80	3.18	2.22	
20	2.68	0.68	0.26	59.77	46.68	103.95	123.15	7.51	2.87	3.26	2.25	1.81	
21	1.94	0.51	0.28	49.73	78.00	68.63	139.08	7.51	2.95	6.34	1.87	1.31	
22	2.54	0.36	0.22	39.72	66.80	70.48	30.91	3.10	3.22	7.06	3.02	0.99	
23	3.62	0.23	0.23	27.53	58.06	123.15	34.40	6.05	3.14	7.14	3.70	1.31	
24	2.01	0.17	0.42	21.68	72.34	153.61	89.71	5.77	2.76	5.84	4.24	1.94	
25	1.71	0.13	2.72	17.29	158.80	116.64	83.79	4.43	1.98	4.24	4.82	2.80	
26	4.62	0.17	3.53	15.27	120.97	164.03	53.01	4.36	1.31	5.84	4.69	2.87	
27	4.56	0.13	2.68	14.04	85.75	253.92	35.71	5.36	1.07	6.55	3.41	2.65	
28	4.36	0.28	1.04	12.26	79.92	306.06	61.49	3.66	1.34	3.30	2.68	2.95	
29	3.98	0.51	0.85	29.77	59.77	243.93	112.36	7.29	1.43	3.74		2.91	
30	3.62	0.42	34.40	161.41	51.36	151.04	141.42	6.84	1.55	4.43		2.83	
31		1.13		51.36	51.36		215.09		1.46	3.57		2.50	
Total	71.80	46.89	63.59	2760.63	2894.62	4895.61	2483.40	770.95	141.26	96.99	91.42	80.26	14397.42 Tonday
Mean	2.39	1.51	2.12	89.05	93.37	163.19	80.11	25.70	4.56	3.13	3.26	2.59	39.44 Ton/day
Max	5.70	4.24	34.40	188.53	194.17	473.66	264.03	194.17	8.83	7.14	4.82	3.92	473.66 Ton/day
Min	0.13	0.13	0.20	12.26	16.58	21.68	20.18	1.16	1.07	0.53	1.43	0.99	0.13 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	30		
R-Square	0.9155		
Remarks	Continued Sediment Station		

$$QS = 3.2812 QW^{1.23200}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	280.58	973.93	55.98	239.15	206.95	5435.55	15226.96	5482.93	231.02	2221.28	1324.51	995.23	
2	263.86	1168.65	152.86	231.02	199.04	4058.48	12054.44	5388.24	272.20	2160.75	1369.70	1038.09	
3	280.58	995.23	222.94	239.15	191.18	4058.48	11300.32	4966.07	367.89	2100.53	1506.95	1347.07	
4	329.93	827.33	610.04	206.95	160.39	4596.39	9239.93	5059.33	406.60	1921.85	1670.10	1324.51	
5	355.15	610.04	782.90	199.04	145.40	5435.55	7068.72	5625.54	406.60	1553.24	1717.28	1553.24	
6	393.61	554.30	868.76	183.39	102.20	5768.83	5530.39	4277.43	380.71	1576.49	1670.10	2040.64	
7	432.80	446.02	848.00	206.95	75.15	5012.66	4873.15	3284.01	355.15	1530.06	1833.65	1717.28	
8	486.10	393.61	681.08	199.04	138.00	4058.48	4688.30	2654.91	355.15	1438.02	1530.06	2070.55	
9	540.53	367.89	540.53	199.04	116.28	3686.35	4058.48	2528.54	526.82	1415.18	1460.93	1775.29	
10	459.31	342.49	499.61	206.95	102.20	3062.74	3099.42	2622.14	610.04	1460.93	1415.18	1833.65	
11	459.31	513.18	486.10	231.02	152.86	5152.90	2466.49	2160.75	638.28	1257.26	1369.70	1599.79	
12	393.61	513.18	513.18	329.93	222.94	13978.36	2160.75	1717.28	652.48	1392.40	1347.07	1553.24	
13	355.15	419.66	472.67	724.39	255.57	13744.69	3136.17	1438.02	681.08	1257.26	1302.02	1257.26	
14	446.02	367.89	486.10	1081.28	280.58	11075.90	4550.56	1190.69	1038.09	1324.51	1506.95	1168.65	
15	459.31	355.15	499.61	995.23	393.61	8626.88	4413.60	1016.61	1016.61	1369.70	1369.70	1103.00	
16	446.02	280.58	513.18	768.19	568.14	6786.77	4459.16	910.55	1124.81	1438.02	1646.60	952.71	
17	419.66	263.86	472.67	827.33	782.90	6842.98	6284.81	782.90	1124.81	1460.93	2221.28	1016.61	
18	432.80	255.57	459.31	952.71	1168.65	9050.87	14056.42	753.54	1103.00	1553.24	2886.41	952.71	
19	446.02	247.34	419.66	868.76	889.61	11001.28	16033.61	709.89	1016.61	1646.60	2497.48	952.71	
20	432.80	145.40	393.61	695.46	681.08	12054.44	12282.45	709.89	1038.09	1693.66	1775.29	952.71	
21	446.02	116.28	342.49	446.02	554.30	10583.32	11225.42	681.08	910.55	1693.66	1506.95	931.59	
22	432.80	123.44	280.58	292.77	554.30	9939.34	9113.81	666.75	910.55	1646.60	1369.70	973.93	
23	419.66	116.28	305.07	239.15	486.10	14369.44	7869.37	582.05	995.23	1623.17	1324.51	1081.28	
24	406.60	152.86	272.20	160.39	432.80	16033.61	6674.60	472.67	1059.64	1746.24	1190.69	1415.18	
25	406.60	138.00	292.77	130.68	355.15	17303.66	6674.60	419.66	1081.28	1576.49	1103.00	1438.02	
26	393.61	130.68	272.20	130.68	305.07	20712.41	5673.23	380.71	1016.61	1553.24	973.93	1369.70	
27	419.66	109.20	263.86	152.86	305.07	21555.68	4780.56	342.49	1038.09	1483.91	812.47	1438.02	
28	472.67	75.15	255.57	168.00	709.89	28805.84	4142.08	317.45	1460.93	1460.93	812.47	1190.69	
29	638.28	75.15	255.57	160.39	1124.81	26042.75	3645.42	280.58	1279.60	1438.02		1059.64	
30	782.90	45.82	247.34	183.39	2528.54	19252.23	3361.38	255.57	1483.91	1369.70		973.93	
31		39.27		191.18	6451.32		4826.81		2010.82	1392.40		952.71	
Total	12931.95	11163.43	12766.44	11840.49	20640.08	328086.86	214971.41	57678.27	26593.25	48756.27	42514.68	40029.63	827972.76 Ton/day
Mean	431.06	360.11	425.55	381.95	665.81	10936.23	6934.56	1922.61	857.85	1572.78	1518.38	1291.28	2268.42 Ton/day
Max	782.90	1168.65	868.76	1081.28	6451.32	28805.84	16033.61	5625.54	2010.82	2221.28	2886.41	2070.55	28805.84 Ton/day
Min	263.86	39.27	55.98	130.68	75.15	3062.74	2160.75	255.57	231.02	1257.26	812.47	931.59	39.27 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	30		
R-Square	0.7965		
Remarks	Continued Sediment Station		

$$QS = 3.4733 QW^{1.27890}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.26	9.97	1.08	1.18	1.85	2.82	15.01	23.71	2.40	0.74	0.50	0.56	
2	0.26	13.38	0.87	1.39	1.62	2.08	32.02	67.28	1.96	0.74	0.56	0.50	
3	0.28	10.87	0.81	1.39	1.08	1.73	40.92	68.56	2.20	0.68	0.62	0.50	
4	0.33	11.33	1.01	1.39	1.51	3.70	34.64	38.20	3.92	0.74	0.68	0.44	
5	0.33	12.84	1.01	1.85	1.51	3.04	26.93	23.71	1.62	0.68	0.74	0.44	
6	4.67	4.67	0.44	2.61	1.51	2.40	15.01	16.68	1.51	0.56	0.74	0.39	
7	6.44	3.04	0.42	10.41	1.18	3.04	10.41	15.01	1.29	0.94	0.87	0.39	
8	1.51	1.85	0.42	3.04	1.18	16.11	8.64	15.56	1.29	0.94	0.74	0.87	
9	1.08	1.73	2.40	134.55	1.01	8.64	9.08	26.10	1.18	0.74	0.87	0.56	
10	0.81	1.85	7.79	81.75	0.87	114.77	7.79	11.33	1.01	0.74	0.87	0.74	
11	0.62	3.47	3.70	29.45	1.01	77.71	9.08	8.64	0.94	0.74	0.81	0.81	
12	1.51	1.85	4.15	118.30	1.08	20.78	9.08	7.05	1.01	0.74	0.81	0.87	
13	1.96	1.62	2.08	32.89	1.01	10.87	17.24	6.74	1.01	0.74	0.87	0.74	
14	1.29	0.81	2.08	8.64	1.01	22.97	17.24	6.44	0.87	0.74	0.87	0.74	
15	1.39	0.28	5.24	12.31	1.51	32.89	20.06	5.54	0.87	0.81	0.50	0.81	
16	1.18	0.31	7.79	101.42	35.53	50.26	39.10	5.24	1.01	1.62	0.42	1.01	
17	1.39	0.26	18.64	59.75	34.64	113.06	51.22	9.08	0.62	2.82	0.42	0.87	
18	1.96	0.42	8.64	11.33	8.64	71.12	38.20	6.44	0.81	2.40	0.44	0.81	
19	2.61	1.39	2.20	6.44	5.83	52.42	28.60	5.83	0.87	2.08	0.44	0.74	
20	2.40	1.18	1.73	13.91	19.35	17.24	28.60	4.39	0.74	1.85	1.96	0.68	
21	1.85	0.94	1.39	72.41	12.31	13.91	20.06	5.24	0.81	4.39	1.39	0.56	
22	1.01	0.87	1.29	20.06	10.41	107.77	20.78	4.15	0.87	3.92	1.29	0.42	
23	0.68	0.44	1.08	9.52	3.04	75.01	44.61	4.15	0.81	2.82	1.01	0.42	
24	0.68	0.74	1.08	5.54	1.96	38.20	69.84	4.15	0.87	1.85	1.01	0.44	
25	1.73	0.74	1.01	5.24	3.25	26.10	30.30	3.92	0.94	1.18	0.94	0.81	
26	3.92	0.62	1.18	6.13	3.25	104.30	15.56	3.92	0.87	0.94	0.87	0.56	
27	9.52	0.81	1.29	5.54	2.82	116.58	12.84	4.67	0.87	0.81	0.74	0.42	
28	12.31	0.68	1.01	4.95	8.64	114.77	10.41	4.15	0.74	0.74	0.62	0.39	
29	10.41	0.94	1.01	2.40	12.31	43.68	16.68	3.70	0.74	0.44		0.36	
30	7.79	1.96	1.01	2.08	9.52	20.06	18.64	3.25	0.74	0.42		0.36	
31		1.73		1.85	4.67		29.45		0.81	0.62		0.36	
Total	82.18	93.59	83.85	769.72	195.11	1288.03	748.04	412.83	36.20	40.17	22.60	18.57	3790.89 Tonday
Mean	2.74	3.02	2.80	24.83	6.29	42.93	24.13	13.76	1.17	1.30	0.81	0.60	10.39 Ton/day
Max	12.31	13.38	18.64	134.55	35.53	116.58	69.84	68.56	3.92	4.39	1.96	1.01	134.55 Ton/day
Min	0.26	0.26	0.42	1.18	0.87	1.73	7.79	3.25	0.62	0.42	0.42	0.36	0.26 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	28		
R-Square	0.7304		
Remarks	Continued Sediment Station		

$$QS = 1.8557 QW^{1.63230}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.72	1.04	3.40	3.40	3.40	4.80	20.07	531.33	6.38	1.24	1.04	1.42	
2	0.72	1.04	3.40	3.40	3.40	5.20	18.42	580.42	4.80	1.24	1.04	1.24	
3	0.72	1.04	3.40	3.40	3.75	5.57	16.83	157.63	3.40	1.24	1.04	1.42	
4	0.72	1.04	3.40	3.40	13.09	5.57	16.05	48.47	3.40	1.24	1.04	1.24	
5	0.72	1.04	3.40	3.40	9.67	5.57	16.05	44.98	3.40	1.24	1.04	1.24	
6	0.72	1.04	3.40	4.80	12.39	5.57	13.09	38.90	3.40	1.24	1.04	1.24	
7	0.72	1.42	3.40	22.25	7.23	5.20	4.45	20.07	3.40	1.24	2.10	1.24	
8	0.72	19.24	3.40	10.20	6.82	4.80	6.38	18.42	3.40	1.24	2.33	1.04	
9	0.72	13.09	5.20	17.62	5.57	5.57	6.38	16.83	3.40	1.04	2.33	1.04	
10	0.72	12.39	8.17	24.51	4.80	8.17	6.38	16.83	3.40	1.04	2.33	1.04	
11	0.72	12.39	17.62	23.37	4.80	10.20	41.90	16.05	3.40	1.04	1.86	1.04	
12	0.72	10.73	11.27	26.85	5.57	7.23	35.99	13.09	3.40	1.04	1.24	1.04	
13	0.72	5.20	7.23	17.62	5.20	5.20	17.62	52.38	3.40	1.04	1.24	1.04	
14	0.72	3.40	9.67	11.27	4.80	7.23	12.39	41.90	3.40	1.04	1.24	1.04	
15	0.72	3.14	20.07	6.38	3.40	9.16	11.83	20.07	3.40	1.04	1.04	1.04	
16	0.72	2.85	20.07	5.57	3.40	9.67	11.27	12.39	3.40	1.04	1.04	1.04	
17	0.72	3.40	18.42	4.45	3.75	10.20	12.39	12.39	3.40	1.24	1.04	1.04	
18	1.04	2.85	12.39	3.40	6.82	11.83	12.39	12.39	3.40	11.83	1.65	1.04	
19	1.04	2.85	10.73	3.40	7.23	7.23	11.27	12.39	3.40	12.39	21.15	1.04	
20	1.04	2.85	7.23	5.20	7.23	6.38	7.23	11.27	3.40	11.83	11.27	1.04	
21	1.04	3.14	5.20	26.85	7.23	5.99	7.23	9.67	3.14	10.73	7.23	1.04	
22	1.24	3.40	3.40	22.25	7.69	11.27	8.17	9.67	1.42	7.69	6.38	1.04	
23	1.65	3.40	3.40	21.15	6.82	12.39	62.69	9.67	1.42	5.57	3.40	1.04	
24	0.72	3.40	3.40	16.83	6.38	11.83	37.43	9.16	1.42	3.40	3.14	1.04	
25	0.72	3.40	3.40	11.27	5.57	10.20	22.25	7.69	1.24	3.40	2.10	1.04	
26	0.72	3.40	3.40	7.69	5.20	13.09	38.90	9.16	1.24	3.40	1.42	1.04	
27	1.04	3.40	3.40	5.99	5.20	23.37	17.62	9.16	1.24	3.40	1.42	1.04	
28	2.85	3.40	3.40	4.80	5.20	50.41	12.39	7.23	1.24	2.85	1.42	1.04	
29	2.60	3.40	3.40	3.40	5.20	44.98	12.39	7.23	1.24	2.33		1.04	
30	1.04	3.40	3.40	3.40	5.20	20.07	12.39	7.23	1.24	1.04		1.04	
31		3.40		3.40	5.20		21.15		1.24	1.04		1.04	
Total	28.98	139.18	211.07	330.92	187.21	343.95	550.99	1764.07	88.46	100.38	84.61	34.00	3863.82 Tonday
Mean	0.97	4.49	7.04	10.67	6.04	11.46	17.77	58.80	2.85	3.24	3.02	1.10	10.59 Ton/day
Max	2.85	19.24	20.07	26.85	13.09	50.41	62.69	580.42	6.38	12.39	21.15	1.42	580.42 Ton/day
Min	0.72	1.04	3.40	3.40	3.40	4.80	4.45	7.23	1.24	1.04	1.04	1.04	0.72 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	29		
R-Square	0.7241		
Remarks	Continued Sediment Station		

$$QS = 0.8985 QW^{1.35200}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.90	1.55	15.45	2.14	6.05	12.04	75.58	64.89	2.51	1.23	0.85	1.90	
2	35.75	2.39	7.70	11.01	6.05	8.13	96.85	113.59	2.77	1.23	0.61	2.14	
3	23.53	4.44	5.27	15.45	7.70	8.13	111.16	121.11	3.58	1.39	0.92	2.26	
4	2.02	2.14	4.22	6.87	6.05	13.11	94.51	118.50	2.51	1.55	1.78	2.26	
5	1.55	2.02	3.79	4.00	6.46	8.13	59.83	111.16	2.26	1.47	4.89	11.01	
6	1.55	1.67	4.89	2.97	8.13	4.89	41.41	68.32	2.02	1.31	2.26	9.50	
7	1.39	1.90	9.50	4.44	5.66	7.28	34.65	53.41	1.67	3.79	2.39	2.77	
8	7.70	4.00	9.99	18.05	3.79	45.81	20.76	37.99	1.55	7.28	2.51	2.51	
9	39.12	5.66	16.09	50.33	2.77	39.12	13.65	32.46	1.55	2.14	2.51	2.51	
10	15.45	8.13	30.32	81.77	3.58	94.51	9.99	39.12	1.47	1.07	2.26	2.51	
11	2.64	9.01	41.41	56.52	4.89	101.56	9.01	33.55	1.31	1.00	1.78	2.26	
12	2.51	8.57	39.12	56.52	6.05	56.52	15.45	32.46	1.23	1.23	9.01	9.99	
13	1.67	10.50	18.05	34.65	4.66	28.33	12.57	41.41	1.15	0.85	2.26	6.05	
14	1.47	3.79	15.45	18.05	4.66	18.05	9.50	47.31	0.92	1.07	1.67	2.51	
15	2.14	2.26	18.72	12.57	6.05	32.46	8.57	40.26	0.78	4.89	1.39	2.39	
16	41.41	2.02	9.99	18.72	53.41	63.19	13.65	32.46	0.85	1.90	1.39	2.26	
17	12.57	3.17	18.05	41.41	108.74	131.68	56.52	25.42	0.92	2.77	1.47	2.26	
18	2.51	3.17	16.74	19.39	45.81	150.89	50.33	19.39	0.92	4.00	1.39	2.26	
19	2.14	2.97	9.99	14.19	20.76	192.15	28.33	17.39	1.00	3.79	11.01	14.82	
20	1.78	6.46	5.66	16.09	19.39	123.73	16.74	16.74	1.23	9.50	13.65	9.99	
21	1.47	4.89	4.00	39.12	31.39	59.83	16.09	13.11	1.23	6.05	2.51	2.77	
22	1.31	2.97	2.77	28.33	13.65	79.69	13.65	12.04	1.67	4.22	1.55	2.39	
23	1.07	16.09	3.17	20.07	7.70	113.59	83.86	13.65	2.02	2.26	1.31	1.90	
24	1.23	5.27	2.26	18.05	7.70	199.45	527.18	15.45	2.02	1.39	1.23	2.02	
25	2.02	4.22	2.51	14.82	7.70	108.74	292.04	18.05	1.67	1.07	0.92	1.90	
26	1.39	15.45	2.51	13.11	8.57	88.08	177.76	16.74	1.67	0.85	6.05	16.74	
27	1.39	18.05	2.26	10.50	9.01	252.85	101.56	19.39	1.31	0.72	5.27	12.57	
28	1.31	18.72	2.02	12.04	11.52	252.85	81.77	14.82	1.31	0.85	1.47	2.39	
29	1.47	27.35	1.90	11.01	16.74	221.78	68.32	9.01	1.15	5.27		1.78	
30	1.39	20.76	1.78	9.50	29.32	126.36	75.58	4.00	1.15	1.23		1.47	
31		16.74		7.28	17.39		81.77		1.23	1.00		1.23	
Total	214.85	236.33	325.58	668.97	491.35	2642.93	2298.64	1203.20	48.63	78.37	86.31	141.32	8436.48 Ton/day
Mean	7.16	7.62	10.85	21.58	15.85	88.10	74.15	40.11	1.57	2.53	3.08	4.56	23.11 Ton/day
Max	41.41	27.35	41.41	81.77	108.74	252.85	527.18	121.11	3.58	9.50	13.65	16.74	527.18 Ton/day
Min	1.07	1.55	1.78	2.14	2.77	4.89	8.57	4.00	0.78	0.72	0.61	1.23	0.61 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	25		
R-Square	0.9384		
Remarks	Continued Sediment Station		

$$QS = 0.3149 QW^{1.51140}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.18	10.77	1.86	5.02	301.76	233.52	207.96	218.54	9.24	11.16	11.08	10.77	
2	1.07	10.38	1.90	4.96	264.46	284.45	597.76	8.14	9.99	10.85	10.93	10.69	
3	0.57	10.85	1.83	4.55	315.71	58.46	378.57	5.96	10.30	10.77	11.08	10.93	
4	0.48	7.85	1.79	3.12	288.50	161.92	121.02	8.72	8.94	10.61	11.01	10.85	
5	0.67	7.64	1.69	2.56	315.71	233.52	101.62	6.75	10.85	10.93	10.85	10.77	
6	0.71	6.95	1.33	2.52	445.45	126.04	405.36	8.43	9.76	10.93	11.08	10.77	
7	1.15	6.95	0.90	2.68	399.74	128.58	480.82	7.09	9.76	10.61	11.16	10.30	
8	1.62	6.89	0.90	2.92	363.72	48.46	329.87	6.42	10.77	10.77	11.01	10.53	
9	1.66	6.75	1.27	658.13	339.43	383.56	363.72	8.72	10.15	10.69	11.16	11.16	
10	1.59	7.85	0.95	897.93	301.76	280.41	368.65	7.16	10.30	10.93	10.69	10.93	
11	1.66	7.64	1.37	260.52	244.97	284.45	504.90	8.94	10.53	11.24	10.85	10.69	
12	1.97	7.71	1.97	334.64	197.77	116.06	445.45	7.71	11.08	11.08	11.16	10.77	
13	2.04	8.00	7.37	642.38	191.07	72.65	433.87	8.28	9.84	11.01	11.08	10.85	
14	2.11	7.02	9.24	480.82	174.68	177.92	486.80	11.16	9.46	10.85	11.01	11.32	
15	3.04	7.30	9.92	878.34	207.96	45.36	272.39	10.61	10.85	11.08	10.93	10.93	
16	3.54	7.57	9.92	457.14	264.46	74.76	378.57	9.61	10.61	11.01	10.93	11.24	
17	4.37	7.50	10.07	468.93	583.13	174.68	141.53	9.92	11.40	11.32	10.93	11.08	
18	5.09	7.30	9.46	474.86	329.87	111.17	1.57	9.92	10.30	11.16	11.01	11.08	
19	7.02	7.02	10.38	334.64	233.52	20.80	0.41	9.84	10.30	11.40	10.93	10.93	
20	8.64	5.83	9.01	416.68	233.52	13.04	0.18	9.99	9.99	11.24	11.24	10.93	
21	10.15	5.33	8.57	767.88	256.60	10.38	0.90	11.81	10.38	11.01	11.08	10.69	
22	10.93	4.90	7.93	378.57	463.02	12.21	2.00	11.16	10.69	10.93	11.08	10.93	
23	12.21	4.14	7.64	248.82	353.93	373.59	4.26	11.01	10.85	10.93	11.24	11.08	
24	11.64	3.16	7.57	207.96	272.39	144.17	7.78	12.63	9.84	10.69	11.08	11.01	
25	11.56	2.96	7.50	297.16	268.42	126.04	136.30	9.99	10.85	10.77	10.69	10.85	
26	10.53	2.92	7.43	363.72	634.87	28.27	518.84	9.09	11.40	10.77	10.77	10.93	
27	10.38	2.92	6.22	334.64	433.87	187.76	451.28	12.46	11.48	11.01	10.77	10.85	
28	10.85	2.79	5.21	329.87	474.86	439.65	539.99	11.16	11.08	11.08	10.61	10.93	
29	11.89	1.93	5.21	353.93	325.13	292.58	858.89	9.31	11.08	11.24		10.77	
30	11.64	1.97	5.02	329.87	256.60	276.39	463.02	7.93	10.93	11.16		10.46	
31		1.90		280.41	264.46		272.39		10.77	11.08		10.61	
Total	161.96	190.69	161.43	10226.17	10001.34	4920.85	9276.67	488.46	323.77	340.31	307.44	336.63	36735.72 Ton/day
Mean	5.40	6.15	5.38	329.88	322.62	164.03	299.25	16.28	10.44	10.98	10.98	10.86	100.65 Ton/day
Max	12.21	10.85	10.38	897.93	634.87	439.65	858.89	218.54	11.48	11.24	11.32	11.32	897.93 Ton/day
Min	0.48	1.90	0.90	2.52	174.68	10.38	0.18	5.96	8.94	10.61	10.61	10.30	0.18 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	27		
R-Square	0.8728		
Remarks	Continued Sediment Station		

$$QS = 0.3914 QW^{1.40120}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.65	3.47	0.64	4.08	35.00	65.19	1022.13	594.70	49.98	0.64	0.68	0.05	
2	1.65	3.18	0.64	3.47	37.81	288.52	808.48	884.09	37.81	0.64	0.87	0.04	
3	1.65	7.83	0.64	1.65	24.84	78.10	730.56	673.64	37.81	0.64	0.64	0.04	
4	1.65	123.94	0.64	1.37	4.40	33.62	1053.57	618.06	37.81	0.64	0.64	0.04	
5	1.65	32.25	0.64	0.64	4.08	78.10	686.17	528.78	37.81	0.64	0.53	0.03	
6	1.65	16.59	0.64	0.64	4.08	99.06	451.45	476.41	27.10	0.64	0.31	0.02	
7	1.94	9.34	0.64	0.64	2.89	90.35	266.96	310.54	8.32	0.64	0.36	0.02	
8	1.79	17.40	0.64	0.64	1.65	303.15	270.52	252.86	8.32	0.64	0.57	0.02	
9	2.35	7.34	0.64	2.89	1.65	303.15	249.37	212.21	8.32	0.64	0.31	0.02	
10	2.89	7.34	0.64	318.29	1.65	1674.04	167.96	167.96	8.32	0.64	0.31	0.02	
11	3.77	7.34	0.64	466.38	1.65	1939.59	186.34	156.26	7.34	0.64	0.31	0.53	
12	4.08	5.93	0.64	376.49	1.65	2795.23	165.01	139.61	4.08	0.64	0.31	0.53	
13	4.08	3.77	0.64	417.15	1.37	967.77	476.41	139.61	4.08	0.64	0.31	0.31	
14	4.08	3.47	0.46	205.65	0.64	756.28	195.93	139.61	4.08	0.64	0.31	0.31	
15	4.08	3.47	0.11	16.59	0.64	975.48	288.52	139.61	4.08	0.64	0.31	0.29	
16	4.40	3.47	0.99	150.50	0.87	1182.83	314.26	139.61	3.18	0.64	0.31	0.31	
17	7.83	1.94	32.25	225.50	8.32	1424.65	795.33	139.61	1.79	0.64	0.26	0.46	
18	6.86	0.64	18.42	228.86	19.45	1651.85	636.43	136.96	1.94	0.64	0.15	0.34	
19	4.08	0.64	8.32	96.66	116.31	1264.40	528.78	116.31	2.62	0.99	0.11	0.53	
20	3.47	0.64	8.32	58.18	53.22	983.22	496.66	59.91	2.09	3.77	0.14	0.53	
21	2.62	0.64	6.39	108.82	53.22	539.61	368.01	37.81	1.79	2.35	0.39	0.14	
22	2.35	0.64	7.83	136.96	59.91	692.47	436.65	37.81	1.79	4.08	0.31	0.12	
23	3.47	0.64	8.32	49.98	61.66	967.77	736.97	40.68	1.79	2.62	0.31	0.15	
24	3.77	0.64	6.86	51.59	39.24	3129.14	1029.97	58.18	1.79	2.62	0.31	0.76	
25	3.77	0.64	4.08	53.22	70.59	2884.71	1093.26	80.11	1.79	2.09	0.31	0.57	
26	3.18	0.64	4.08	54.86	222.16	2224.47	749.83	113.80	1.79	1.51	0.26	0.36	
27	1.79	0.64	4.08	58.18	150.50	3576.22	624.17	80.11	1.79	0.72	0.10	0.21	
28	2.35	0.64	4.08	37.81	180.03	3269.10	512.65	53.22	1.79	0.87	0.06	0.15	
29	2.62	0.64	4.08	36.40	189.52	2795.23	225.50	53.22	1.24	0.76		0.10	
30	2.62	0.64	4.08	35.00	242.43	1405.18	446.50	53.22	0.64	0.64		0.03	
31		0.64		35.00	142.28		1191.82		0.64	0.64		0.02	
Total	94.14	267.03	131.07	3234.09	1733.71	38438.48	17206.17	6634.51	313.72	35.18	9.79	7.05	68104.94 Tonday
Mean	3.14	8.61	4.37	104.33	55.93	1281.28	555.04	221.15	10.12	1.13	0.35	0.23	186.59 Ton/day
Max	7.83	123.94	32.25	466.38	242.43	3576.22	1191.82	884.09	49.98	4.08	0.87	0.76	3576.22 Ton/day
Min	1.65	0.64	0.11	0.64	0.64	33.62	165.01	37.81	0.64	0.64	0.06	0.02	0.02 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	22		
R-Square	0.7174		
Remarks	Continued Sediment Station		

$$QS = 0.4777 QW^{1.51330}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	20.52	4.50	2.32	3.89	7.23	8.04	44.73	18.99	4.81	2.32	2.32	2.12	
2	96.61	3.60	2.12	18.24	7.63	6.48	81.63	28.51	4.50	1.32	2.12	2.52	
3	5.79	4.81	1.45	2.94	8.46	7.63	63.54	22.10	4.81	1.58	2.32	2.52	
4	1.09	2.12	1.75	2.32	8.46	6.48	50.66	21.31	4.50	2.12	4.81	4.50	
5	2.32	3.37	1.75	2.52	8.88	4.81	29.59	16.82	4.19	2.12	4.81	15.48	
6	3.60	5.46	3.89	2.94	4.19	5.13	19.75	12.92	3.89	2.12	2.72	6.48	
7	5.13	7.63	4.19	5.13	5.13	14.18	14.18	11.11	4.19	12.31	2.94	1.93	
8	27.45	3.37	4.19	7.23	4.50	8.46	10.65	11.11	3.37	8.88	2.94	2.52	
9	39.06	3.37	5.13	9.75	3.89	8.46	9.32	10.20	3.60	4.81	2.72	2.72	
10	5.46	4.81	4.81	11.71	3.60	9.75	7.63	9.75	3.37	4.81	2.52	2.52	
11	1.93	4.19	8.04	11.71	3.89	10.20	8.88	8.88	3.15	4.50	6.13	6.48	
12	1.58	4.81	7.23	9.75	3.89	9.32	11.71	8.04	3.15	2.32	6.13	10.20	
13	1.75	4.81	4.50	11.11	3.37	8.88	11.71	10.65	3.60	1.93	1.93	4.81	
14	1.93	3.60	4.81	7.63	3.60	8.88	8.46	19.75	3.15	4.81	1.93	2.32	
15	23.71	2.94	5.46	6.13	3.37	11.71	8.46	9.75	3.15	4.19	2.32	2.32	
16	26.40	2.32	6.13	8.46	52.21	22.10	10.20	8.46	3.37	1.09	2.52	2.72	
17	3.60	1.75	9.32	10.65	50.66	43.29	16.82	7.23	3.15	3.89	2.12	2.32	
18	1.20	1.58	16.15	7.63	16.82	36.33	17.50	7.63	2.94	3.37	6.13	7.63	
19	2.52	1.75	9.75	7.23	8.46	74.14	12.92	7.23	2.32	5.46	10.20	14.18	
20	2.32	2.12	4.19	12.31	11.11	39.06	14.18	7.23	2.72	6.83	5.79	5.13	
21	2.32	2.12	3.15	11.71	8.88	29.59	13.55	6.48	2.72	5.46	2.94	1.58	
22	1.93	7.63	3.60	7.63	6.83	25.36	15.48	5.79	3.60	4.19	3.15	1.93	
23	1.75	6.83	3.89	12.31	6.48	63.54	74.14	5.79	3.15	3.60	3.60	1.45	
24	1.58	1.58	3.37	10.65	5.79	63.54	85.46	6.48	2.72	3.37	2.52	1.32	
25	2.12	1.93	3.15	11.11	6.48	27.45	79.74	6.48	2.52	3.60	6.83	10.20	
26	1.58	1.93	2.52	7.23	7.23	23.71	49.15	6.13	2.52	3.37	10.65	21.31	
27	2.72	1.93	1.93	7.63	6.83	50.66	30.68	6.48	2.12	2.52	4.50	6.83	
28	5.13	2.32	2.52	8.04	8.88	103.52	32.90	4.81	2.52	6.48	1.75	1.93	
29	4.50	2.52	2.52	6.48	14.18	81.63	21.31	3.60	2.94	4.81		1.75	
30	4.50	2.52	2.72	6.13	11.71	55.37	16.82	4.81	2.52	2.12		3.15	
31		2.32		5.79	9.75		13.55		2.32	1.75		3.60	
Total	302.10	106.54	136.55	253.99	312.39	867.70	885.30	314.52	101.58	122.05	111.36	156.47	3670.55 Tonday
Mean	10.07	3.44	4.55	8.19	10.08	28.92	28.56	10.48	3.28	3.94	3.98	5.05	10.06 Ton/day
Max	96.61	7.63	16.15	18.24	52.21	103.52	85.46	28.51	4.81	12.31	10.65	21.31	103.52 Ton/day
Min	1.09	1.58	1.45	2.32	3.37	4.81	7.63	3.60	2.12	1.09	1.75	1.32	1.09 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	29		
R-Square	0.9452		
Remarks	Continued Sediment Station		

$$QS = 1.8257 QW^{1.54370}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.01	1.45	1.20	0.87	6.17	9.45	147.21	65.23	3.77	1.50	1.24	1.20	
2	0.01	2.42	1.20	0.83	5.32	6.60	67.83	43.51	3.77	2.12	1.24	1.15	
3	0.00	1.71	1.15	0.83	4.92	13.76	215.34	31.52	3.41	1.50	1.24	1.20	
4	0.00	1.39	1.20	0.79	4.52	7.98	97.55	26.30	3.41	1.39	1.20	1.29	
5	0.00	1.20	1.15	0.75	4.14	21.43	55.20	22.58	3.41	1.39	1.20	1.24	
6	0.00	1.20	1.15	0.75	3.77	21.43	31.52	19.13	3.41	1.39	1.29	1.20	
7	0.00	1.29	1.15	0.83	3.07	20.23	30.15	11.80	3.41	1.39	1.24	1.20	
8	0.00	1.24	1.15	0.83	2.74	67.83	26.30	13.76	3.07	1.45	1.24	1.20	
9	0.00	1.15	1.15	0.87	2.42	696.06	23.82	11.80	2.74	1.45	1.29	1.15	
10	0.00	1.10	1.24	0.92	2.12	5711.07	21.43	11.80	2.42	1.39	1.24	1.15	
11	0.02	1.61	1.20	1.10	2.12	2416.20	36.98	13.76	2.42	1.34	1.15	1.24	
12	1.10	2.74	1.20	1.20	2.12	639.74	19.13	14.81	2.42	1.34	1.10	1.15	
13	1.15	2.12	1.24	1.29	2.12	297.17	34.88	10.89	2.42	1.34	1.10	1.15	
14	0.92	1.83	1.24	1.29	2.12	123.72	31.52	9.95	2.12	1.34	1.10	1.05	
15	0.79	1.77	1.24	1.29	1.83	73.14	23.82	8.95	1.83	1.34	1.20	0.75	
16	0.71	1.61	1.24	3.07	2.12	411.76	26.30	8.46	1.77	1.34	1.20	0.75	
17	0.71	1.50	1.29	25.02	2.42	777.68	57.65	6.60	1.77	1.39	1.20	0.87	
18	0.75	1.29	1.24	23.82	3.07	419.96	89.32	9.45	1.71	1.39	1.20	0.83	
19	0.87	1.29	1.20	19.13	2.42	215.34	65.23	7.98	1.71	1.39	1.29	0.87	
20	0.92	1.24	1.20	17.98	2.42	85.36	85.36	7.05	1.71	1.66	1.29	0.87	
21	0.92	1.24	1.10	14.81	2.42	78.58	55.20	7.51	1.71	2.12	1.20	1.20	
22	0.87	1.15	1.05	10.89	2.42	318.96	48.06	7.05	1.71	1.50	1.45	1.10	
23	0.75	1.15	1.05	9.45	2.74	2280.44	110.42	5.74	1.66	2.74	1.24	1.10	
24	0.67	1.10	1.01	6.60	2.74	3995.97	171.97	5.74	1.66	3.07	1.45	1.10	
25	0.67	1.10	1.01	6.17	2.74	1881.30	114.75	6.17	1.66	2.74	1.34	1.05	
26	0.63	1.10	0.96	5.32	3.77	1844.12	60.14	5.74	1.61	1.77	1.29	1.01	
27	0.55	1.29	0.96	4.92	3.77	1391.00	36.98	5.74	1.55	1.77	1.29	1.01	
28	1.55	1.45	0.96	5.74	3.41	2258.60	28.87	5.32	1.66	1.66	1.24	1.01	
29	1.83	1.39	0.96	9.45	3.77	837.90	36.98	4.52	1.61	1.55		1.01	
30	1.50	1.34	0.92	7.98	7.98	364.32	41.29	4.92	1.55	1.45		0.96	
31		1.20		6.17	8.95		16.92		1.45	1.29		0.96	
Total	17.90	44.66	34.01	190.96	106.66	27287.10	1908.12	413.78	70.53	50.50	34.75	33.02	30191.99 Tonday
Mean	0.60	1.44	1.13	6.16	3.44	909.57	61.55	13.79	2.28	1.63	1.24	1.07	82.72 Ton/day
Max	1.83	2.74	1.29	25.02	8.95	5711.07	215.34	65.23	3.77	3.07	1.45	1.29	5711.07 Ton/day
Min	0.00	1.10	0.92	0.75	1.83	6.60	16.92	4.52	1.45	1.29	1.10	0.75	0.00 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	20		
R-Square	0.9266		
Remarks	Continued Sediment Station		

$$QS = 6.3679 QW^{1.80800}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.56	0.18	0.08	3.17	29.62	106.53	569.06	1.88	0.00	0.00	0.00	
2	0.00	1.88	0.18	0.10	2.30	16.98	86.38	79.85	1.69	0.00	0.00	0.00	
3	0.00	0.23	0.18	0.10	2.53	8.59	569.06	46.41	1.69	0.00	0.00	0.00	
4	0.00	0.18	0.23	0.10	2.30	11.10	121.14	46.41	1.50	0.00	0.00	0.00	
5	0.00	0.07	1.00	0.10	2.30	13.90	46.41	27.15	1.00	0.00	0.00	0.00	
6	0.00	0.07	1.16	0.14	1.88	32.18	40.44	16.98	0.64	0.00	0.00	0.00	
7	0.00	0.07	1.16	3.88	1.88	62.28	13.90	9.81	0.56	0.00	0.00	0.00	
8	0.00	0.07	1.33	0.86	1.88	106.53	6.37	7.44	0.56	0.00	0.00	0.00	
9	0.00	0.07	1.88	0.56	1.88	1213.19	5.91	20.32	0.72	0.00	0.00	0.00	
10	0.00	0.07	1.50	0.56	1.88	1644.22	8.59	7.44	0.86	0.00	0.00	0.00	
11	0.00	0.07	0.86	1.50	2.09	2028.76	2.84	5.05	1.00	0.00	0.00	0.00	
12	0.00	0.10	0.41	34.84	2.09	198.93	3.88	5.48	1.33	0.00	0.00	0.00	
13	0.00	0.10	0.41	20.32	1.69	56.66	20.32	4.65	1.33	0.00	0.00	0.00	
14	0.00	0.10	0.56	15.40	1.88	409.26	7.44	4.25	1.33	0.00	0.00	0.00	
15	0.00	0.08	0.56	3.17	3.17	246.22	5.48	3.52	1.33	0.00	0.00	0.00	
16	0.00	0.10	0.56	4.65	8.59	121.14	18.62	3.52	1.33	0.00	0.00	0.00	
17	0.00	0.10	0.41	0.64	16.98	106.53	73.89	3.17	0.00	0.00	0.00	0.00	
18	0.00	0.10	0.41	0.23	27.15	99.73	9.81	3.17	0.00	0.00	0.00	0.00	
19	0.00	0.10	0.35	0.56	11.10	136.58	5.48	3.52	0.00	0.00	0.00	0.00	
20	0.00	0.10	0.35	7.44	11.10	152.85	5.05	3.17	0.00	0.00	0.00	0.00	
21	0.00	0.10	0.35	12.47	7.44	543.60	5.05	3.17	0.00	0.00	0.00	0.00	
22	0.00	0.10	0.29	37.59	8.59	704.11	3.52	2.84	0.00	0.00	0.00	0.00	
23	0.00	0.18	0.23	18.62	6.37	648.55	56.66	2.53	0.00	0.00	0.00	0.00	
24	0.00	0.18	0.23	15.40	12.47	271.54	92.76	2.30	0.00	0.00	0.00	0.00	
25	0.00	0.18	0.23	11.10	222.01	409.26	22.50	2.30	0.00	0.00	0.00	0.00	
26	0.00	0.18	0.23	5.91	222.01	595.04	13.90	2.09	0.00	0.00	0.00	0.00	
27	0.00	0.18	0.23	5.48	121.14	1258.05	6.37	2.30	0.00	0.00	0.00	0.00	
28	0.00	0.18	0.18	4.25	187.82	409.26	8.59	2.09	0.00	0.00	0.00	0.00	
29	0.00	0.18	0.08	4.25	430.21	169.93	5.91	1.88	0.00	0.00		0.00	
30	0.00	0.18	0.08	3.88	169.93	99.73	1971.62	2.09	0.00	0.00		0.00	
31		0.18		3.52	152.85		169.93		0.00	0.00		0.00	
Total	0.00	6.04	15.81	217.70	1648.68	11804.32	3514.35	893.96	18.75	0.00	0.00	0.00	18119.61 Tonday
Mean	0.00	0.19	0.53	7.02	53.18	393.48	113.37	29.80	0.60	0.00	0.00	0.00	49.64 Ton/day
Max	0.00	1.88	1.88	37.59	430.21	2028.76	1971.62	569.06	1.88	0.00	0.00	0.00	2028.76 Ton/day
Min	0.00	0.07	0.08	0.08	1.69	8.59	2.84	1.88	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021

PING RIVER BASIN

Khlung 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 Khlung 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	2021		
Number of observation	16		
R-Square	0.9122		
Remarks	Continued Sediment Station		

$$QS = 3.8714 QW^{1.28000}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	11.56	0.00	0.00	4.12	904.12	582.54	773.50	0.90	0.28	0.00	5.15	
2	0.00	7.98	0.00	0.00	3.19	518.07	990.26	577.35	0.59	0.23	0.00	4.12	
3	0.00	5.15	0.00	0.00	2.27	265.03	946.98	499.34	0.46	0.18	0.00	3.38	
4	0.00	3.87	0.00	0.00	1.59	480.76	467.01	532.28	0.40	0.13	0.00	3.00	
5	0.00	3.38	0.00	0.00	1.01	1615.78	301.01	361.72	0.37	0.11	0.00	2.45	
6	0.00	2.82	0.00	0.00	0.49	1293.82	219.97	228.88	0.34	0.08	0.00	2.10	
7	1.59	2.27	0.00	0.00	0.40	613.88	619.14	149.89	0.31	0.06	0.00	1.76	
8	4.37	1.76	0.00	0.00	0.31	508.68	603.39	119.11	0.26	0.04	0.00	1.47	
9	0.43	8.69	0.00	0.00	0.28	191.03	291.03	162.24	0.20	0.03	0.00	7.98	
10	0.20	9.40	0.00	0.00	0.26	162.24	198.39	117.33	0.15	0.01	0.00	50.17	
11	0.11	6.62	0.00	0.28	0.23	624.41	155.87	97.05	0.11	0.00	0.00	29.83	
12	0.04	4.63	0.00	71.13	0.20	613.88	151.88	85.87	0.06	0.00	0.00	7.98	
13	0.03	3.87	0.00	408.88	0.26	265.03	314.43	68.52	1.01	0.00	0.00	5.96	
14	0.01	3.19	0.00	321.19	2.27	136.14	541.76	57.58	1.01	0.00	0.00	5.15	
15	0.00	3.00	0.00	120.79	7.29	88.91	284.42	45.45	0.59	0.00	1.24	4.63	
16	0.00	2.63	0.00	200.85	15.39	183.74	268.03	38.12	0.46	0.00	191.03	3.63	
17	0.00	1.93	0.00	324.58	5.96	284.42	416.87	31.24	0.43	0.00	2137.81	3.00	
18	0.00	1.35	0.00	134.20	3.87	271.29	567.00	25.04	0.40	0.00	1074.68	2.45	
19	3.00	1.01	0.00	117.33	2.27	1049.64	662.32	22.10	2.10	0.00	556.70	1.93	
20	1.59	0.49	0.00	44.52	1.59	361.72	870.61	19.24	1.12	0.00	284.42	1.47	
21	0.59	0.34	0.00	33.68	12.45	485.46	592.95	16.47	0.79	0.00	164.60	1.24	
22	0.37	0.23	0.00	31.94	11.56	2083.14	518.07	28.45	0.69	0.00	117.33	1.12	
23	0.26	0.13	0.00	27.07	4.37	1951.71	445.07	12.89	0.59	0.00	84.51	1.01	
24	0.18	0.04	0.00	22.10	3.38	1571.40	792.66	7.64	0.49	0.00	63.36	0.90	
25	0.11	0.00	0.00	17.57	3.00	1247.54	476.22	3.87	0.46	0.00	41.75	0.90	
26	0.06	0.00	0.00	13.35	3.63	1483.45	268.03	2.82	0.43	0.00	35.44	0.79	
27	0.04	0.00	0.00	9.82	3.87	3490.28	183.74	2.10	0.43	0.00	27.76	0.79	
28	0.03	0.00	0.00	6.95	4.37	3228.62	145.93	1.76	0.40	0.00	9.40	0.79	
29	0.01	0.00	0.00	4.89	117.33	2302.84	134.20	1.35	0.37	0.00		10.68	
30	9.04	0.00	0.00	4.63	1321.63	1116.94	294.35	1.12	0.34	0.00		5.68	
31		0.00		4.63	864.13		650.89		0.31	0.00		3.19	
Total	22.06	86.34	0.00	1920.38	2402.97	29393.97	13955.02	4090.32	16.57	1.15	4790.03	174.70	56853.51 Tonday
Mean	0.74	2.79	0.00	61.95	77.52	979.80	450.16	136.34	0.53	0.04	171.07	5.64	155.76 Ton/day
Max	9.04	11.56	0.00	408.88	1321.63	3490.28	990.26	773.50	2.10	0.28	2137.81	50.17	3490.28 Ton/day
Min	0.00	0.00	0.00	0.00	0.20	88.91	134.20	1.12	0.06	0.00	0.00	0.79	0.00 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	31		
R-Square	0.8021		
Remarks	Continued Sediment Station		

$$QS = 2.7669 QW^{1.42780}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.66	0.18	0.97	0.10	4.56	12.28	10.83	36.58	0.70	0.67	0.59	0.64	
2	1.66	0.18	0.97	0.09	4.56	8.42	11.31	28.09	0.70	0.67	0.59	0.64	
3	1.63	0.18	0.86	0.09	4.84	7.66	12.28	30.74	0.70	0.67	0.59	0.64	
4	1.63	0.18	0.59	10.41	4.84	8.04	11.31	31.88	0.70	0.67	0.59	0.64	
5	1.63	0.18	0.59	0.04	4.84	8.81	12.78	28.09	0.70	0.67	0.59	0.64	
6	1.66	0.18	0.52	0.05	4.29	8.04	26.37	25.52	0.70	0.67	0.59	0.59	
7	1.70	0.18	0.38	0.86	4.56	8.04	26.37	23.85	0.70	0.67	0.59	0.59	
8	1.70	0.18	0.32	6.00	4.29	8.42	24.68	23.02	0.70	0.67	0.59	0.59	
9	1.66	0.18	1.60	6.00	4.29	8.81	22.21	22.21	0.70	0.67	0.59	0.59	
10	1.66	0.18	1.33	5.13	4.29	8.81	22.21	22.21	0.70	0.67	0.59	0.59	
11	1.66	0.18	1.21	4.02	4.29	9.60	36.58	22.21	0.70	0.67	0.59	0.57	
12	1.66	0.18	1.33	6.00	4.56	9.20	28.09	22.21	0.70	0.67	0.59	0.54	
13	1.66	0.18	1.21	5.71	12.78	13.28	25.52	22.21	0.70	0.67	0.59	0.54	
14	1.66	0.18	1.46	5.41	6.61	15.88	23.02	22.21	0.70	0.67	0.59	0.54	
15	1.66	0.18	2.57	5.71	12.78	16.48	23.85	23.02	0.70	0.67	0.59	0.54	
16	1.66	0.18	1.73	5.71	13.79	15.88	28.09	23.85	0.70	0.67	0.59	0.52	
17	1.73	0.17	1.46	5.71	23.02	15.88	39.00	22.21	0.70	0.67	0.59	0.52	
18	1.63	0.10	1.46	5.71	12.78	10.41	30.74	22.21	0.70	0.67	0.59	0.54	
19	0.94	0.10	1.09	5.71	8.42	9.60	28.97	22.21	0.67	0.70	0.59	0.54	
20	0.52	0.10	0.86	5.41	64.15	10.83	28.09	20.89	0.67	0.70	0.59	0.54	
21	0.22	0.10	0.75	5.41	40.23	28.97	27.23	0.72	0.67	0.72	0.59	0.54	
22	0.20	0.10	0.67	5.13	30.74	10.00	27.23	0.72	0.67	0.72	0.59	0.54	
23	0.20	0.09	0.67	5.13	30.74	9.60	28.09	0.72	0.67	0.70	0.59	0.57	
24	0.20	0.09	0.59	5.13	30.74	9.60	28.97	0.72	0.67	0.70	0.59	0.57	
25	0.18	0.09	0.45	4.56	30.74	10.41	27.23	0.70	0.67	0.64	0.59	0.57	
26	0.18	0.09	0.67	4.56	28.09	10.83	26.37	0.70	0.67	0.59	0.59	0.54	
27	0.18	0.09	0.52	4.56	15.88	16.48	25.52	0.70	0.67	0.59	0.59	0.54	
28	0.18	2.57	0.38	4.56	9.20	17.09	23.85	0.70	0.67	0.57	0.59	0.54	
29	0.18	1.73	0.20	4.56	12.28	11.79	23.02	0.70	0.67	0.57		0.67	
30	0.18	1.09	0.15	4.56	8.81	10.83	22.21	0.70	0.67	0.54		0.54	
31		0.67		4.56	12.28		23.85		0.67	0.59		0.54	
Total	33.27	10.06	27.56	136.59	458.27	349.97	755.87	502.50	21.31	20.39	16.52	17.70	2350.01 Tonday
Mean	1.11	0.32	0.92	4.41	14.78	11.67	24.38	16.75	0.69	0.66	0.59	0.57	6.44 Ton/day
Max	1.73	2.57	2.57	10.41	64.15	28.97	39.00	36.58	0.70	0.72	0.59	0.67	64.15 Ton/day
Min	0.18	0.09	0.15	0.04	4.29	7.66	10.83	0.70	0.67	0.54	0.59	0.52	0.04 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	30		
R-Square	0.7239		
Remarks	Continued Sediment Station		

$$QS = 1.6682 QW^{1.40630}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.63	3.23	6.53	3.23	2.28	3.49	4.86	7.53	3.75	0.51	0.54	0.79	
2	0.56	6.53	4.58	3.03	2.28	3.23	5.75	4.58	3.49	0.51	0.54	0.79	
3	0.46	3.49	4.02	2.84	2.28	3.49	5.45	4.58	3.23	0.51	0.54	0.78	
4	0.46	2.65	3.75	2.84	2.28	3.49	5.15	4.58	0.63	0.49	0.54	0.78	
5	0.46	2.28	3.75	2.84	2.28	4.30	4.86	4.58	0.63	0.49	0.54	0.78	
6	0.46	2.46	4.58	2.84	2.28	4.02	4.58	4.30	0.63	0.49	0.54	0.78	
7	0.46	2.28	4.02	3.23	2.11	4.02	4.58	4.30	0.63	0.49	0.56	0.78	
8	0.46	2.28	4.30	3.23	2.11	4.02	4.86	4.02	0.63	0.48	0.61	0.76	
9	0.46	2.28	9.09	3.75	1.76	4.02	4.58	4.02	0.63	0.46	0.63	0.76	
10	0.46	2.28	5.15	3.49	1.60	4.86	4.30	4.02	0.63	0.46	0.63	0.79	
11	0.53	2.28	4.58	3.75	1.60	4.58	5.45	4.02	0.63	0.46	0.63	0.83	
12	0.53	2.28	4.58	3.75	1.44	4.58	4.58	4.02	0.63	0.46	0.63	0.89	
13	0.59	2.46	4.58	3.03	6.53	4.86	4.58	4.30	0.63	0.46	0.63	0.91	
14	0.59	4.30	4.58	3.75	7.03	5.75	4.58	4.02	0.61	0.46	0.63	0.91	
15	0.56	4.58	6.05	3.03	5.75	7.53	4.30	4.02	0.61	0.46	0.63	0.91	
16	0.56	4.58	4.58	2.65	3.03	4.86	4.30	4.02	0.59	0.46	0.63	0.91	
17	0.56	4.58	4.58	2.65	5.45	3.75	4.58	4.02	0.54	0.46	0.63	0.91	
18	0.70	4.58	4.30	2.84	10.74	4.02	4.58	4.02	0.54	0.53	0.63	0.91	
19	1.09	4.58	4.02	3.23	10.18	4.02	4.30	4.02	0.54	0.56	0.61	0.91	
20	1.01	4.30	4.02	2.84	5.45	4.58	4.02	4.02	0.54	0.70	0.59	0.89	
21	0.78	4.02	4.02	2.84	26.89	4.58	4.02	4.02	0.54	0.78	0.59	0.85	
22	0.63	4.02	4.02	2.84	5.15	4.58	4.58	4.02	0.49	0.76	0.59	0.85	
23	0.59	4.02	3.75	2.84	4.58	4.30	4.58	4.02	0.51	0.67	0.65	0.70	
24	0.56	4.02	3.23	2.65	4.58	4.58	4.58	3.75	0.51	0.59	0.89	0.59	
25	0.56	5.75	3.23	2.65	3.75	4.58	4.58	3.75	0.51	0.59	0.91	0.43	
26	0.93	5.45	3.23	2.65	4.30	4.58	5.15	3.75	0.51	0.58	0.91	0.43	
27	5.75	4.58	4.58	2.46	3.23	4.58	4.58	3.75	0.51	0.56	0.91	0.43	
28	6.05	4.86	3.23	2.28	3.03	5.45	4.58	3.75	0.51	0.56	0.91	0.43	
29	5.75	5.45	3.23	2.28	2.84	4.58	4.30	3.75	0.51	0.54		0.43	
30	3.23	6.05	3.23	2.28	2.84	4.58	4.58	3.75	0.51	0.54		0.43	
31		10.18		2.28	2.65		4.58		0.51	0.54		0.43	
Total	36.42	126.68	131.39	90.89	142.30	133.86	144.35	125.30	26.36	16.61	18.27	22.77	1015.20 Tonday
Mean	1.21	4.09	4.38	2.93	4.59	4.46	4.66	4.18	0.85	0.54	0.65	0.73	2.78 Ton/day
Max	6.05	10.18	9.09	3.75	26.89	7.53	5.75	7.53	3.75	0.78	0.91	0.91	26.89 Ton/day
Min	0.46	2.28	3.23	2.28	1.44	3.23	4.02	3.75	0.49	0.46	0.54	0.43	0.43 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	30		
R-Square	0.8544		
Remarks	Continued Sediment Station		

$$QS = 0.9738 QW^{1.90520}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.76	6.55	2.92	1.75	5.20	16.67	115.41	76.80	13.79	9.31	4.15	2.92	
2	0.76	6.55	1.56	1.75	4.84	12.89	137.69	76.80	12.02	9.31	4.15	3.21	
3	0.64	3.82	1.56	1.75	4.84	42.31	119.39	57.44	11.18	8.72	3.82	3.21	
4	0.76	3.21	1.56	1.75	4.49	23.69	119.39	55.14	12.02	8.15	3.82	3.21	
5	1.75	2.65	1.38	1.56	4.49	25.15	55.14	48.52	12.02	8.15	3.82	3.21	
6	40.33	2.65	1.21	2.38	5.20	31.39	42.31	48.52	11.18	8.15	4.15	3.21	
7	7.60	1.95	1.05	6.55	6.06	103.87	36.50	48.52	11.18	7.60	5.20	3.82	
8	3.82	2.92	3.21	33.05	4.49	107.65	31.39	44.34	11.18	7.07	3.82	19.80	
9	3.21	4.49	20.90	16.67	4.15	327.65	26.65	42.31	11.18	7.07	3.51	5.58	
10	3.21	6.06	6.06	31.39	3.82	382.68	31.39	36.50	11.18	7.07	3.51	4.15	
11	2.65	5.20	3.51	179.98	3.51	626.83	36.50	31.39	11.18	7.07	3.21	3.51	
12	3.82	2.92	2.38	157.85	3.51	168.42	55.14	31.39	11.18	7.07	3.21	3.51	
13	8.15	2.16	2.16	33.05	2.92	79.78	48.52	26.65	10.54	7.07	3.21	3.21	
14	9.31	1.75	3.21	25.15	3.21	55.14	38.39	22.27	10.54	6.55	3.21	3.51	
15	5.58	1.75	4.15	18.73	8.72	147.61	46.41	22.27	9.91	6.55	3.21	7.07	
16	3.51	1.21	4.84	68.17	12.02	474.90	219.01	20.90	9.31	6.06	3.21	6.55	
17	4.49	1.38	7.60	33.05	9.91	179.98	432.30	20.90	9.31	6.06	3.21	3.51	
18	10.54	2.16	4.15	16.67	9.91	119.39	157.85	20.90	9.31	7.60	3.21	3.82	
19	5.20	2.16	3.21	12.02	8.15	71.00	186.23	20.90	9.31	6.55	4.84	3.82	
20	3.51	1.95	2.65	31.39	8.15	123.43	119.39	20.90	9.31	6.06	5.20	3.51	
21	3.21	1.75	2.38	22.27	8.72	96.49	89.37	20.90	9.31	7.07	4.15	3.82	
22	2.92	2.16	2.16	19.80	9.31	294.06	123.43	20.90	9.31	7.07	3.82	3.51	
23	2.65	1.95	2.92	18.73	5.58	585.42	270.20	20.90	9.31	7.07	3.51	4.49	
24	2.65	1.05	2.38	17.68	6.55	2122.81	262.46	23.69	9.31	7.07	3.21	3.51	
25	3.82	1.05	1.95	13.79	29.77	432.30	100.15	19.80	9.31	6.55	3.21	3.21	
26	2.16	1.21	1.75	12.02	62.70	2159.45	73.87	15.68	9.31	6.06	3.21	2.92	
27	4.15	1.38	1.95	12.89	20.90	1617.96	62.70	20.90	9.31	6.06	2.92	2.38	
28	8.15	3.82	1.56	11.18	46.41	508.10	65.41	19.80	9.31	6.06	2.92	2.38	
29	7.60	9.91	1.56	9.31	157.85	219.01	55.14	16.67	9.31	5.58		2.38	
30	23.69	4.49	1.56	7.60	52.89	142.61	225.87	14.72	9.31	4.84		2.38	
31		3.82		5.58	26.65		96.49		9.31	4.84		2.38	
Total	180.60	96.08	99.44	825.51	544.92	11298.64	3480.09	967.32	319.24	215.51	102.62	127.70	18257.67 Tonday
Mean	6.02	3.10	3.31	26.63	17.58	376.62	112.26	32.24	10.30	6.95	3.66	4.12	50.02 Ton/day
Max	40.33	9.91	20.90	179.98	157.85	2159.45	432.30	76.80	13.79	9.31	5.20	19.80	2159.45 Ton/day
Min	0.64	1.05	1.05	1.56	2.92	12.89	26.65	14.72	9.31	4.84	2.92	2.38	0.64 Ton/day

WATER YEAR : 2021

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.		
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	2021		
Number of observation	30		
R-Square	0.8907		
Remarks	Continued Sediment Station		

$$QS = 3.1381 QW^{1.60940}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.85	9.19	0.20	0.20	6.35	22.07	145.14	98.65	33.07	0.34	0.18	0.18	
2	1.69	6.35	0.20	0.18	6.03	14.16	142.78	95.69	30.88	0.34	0.18	0.18	
3	1.85	5.09	0.20	0.20	4.49	36.84	145.14	95.69	30.88	0.34	0.18	0.18	
4	2.19	4.49	0.20	0.20	4.49	37.61	167.54	82.78	30.88	0.34	0.18	0.18	
5	2.89	5.39	0.18	0.18	4.79	15.06	95.69	75.92	30.88	0.34	0.18	0.18	
6	36.07	4.79	0.18	0.24	4.49	26.00	81.39	70.75	29.45	0.34	0.22	0.18	
7	9.96	0.15	0.18	15.52	4.79	181.41	77.27	75.92	24.00	0.32	0.20	0.18	
8	6.03	0.16	0.18	19.38	7.03	154.75	63.98	61.78	24.00	0.27	0.18	0.18	
9	5.39	0.18	0.40	38.39	7.03	243.33	49.92	71.91	24.66	0.27	0.18	0.18	
10	3.93	0.15	0.38	17.90	6.35	362.32	50.79	65.09	26.67	0.27	0.18	0.18	
11	4.49	0.15	0.32	157.19	7.37	579.55	59.76	56.11	23.35	0.29	0.18	0.18	
12	3.93	0.18	0.24	327.02	5.71	214.38	87.00	55.21	18.39	0.27	0.18	0.18	
13	3.14	0.18	0.25	58.84	6.35	113.98	73.23	53.42	17.41	0.18	0.18	0.18	
14	7.03	0.20	0.43	29.45	4.79	84.18	62.88	49.92	13.71	0.18	0.20	0.18	
15	9.58	0.18	0.24	22.71	5.39	112.22	58.84	48.21	0.38	0.18	0.18	0.18	
16	11.57	0.18	0.25	80.01	9.19	309.02	189.94	45.67	0.38	0.18	0.18	0.18	
17	5.39	0.16	0.27	60.69	10.36	239.93	356.85	45.67	0.38	0.20	0.18	0.18	
18	9.19	0.18	0.27	26.67	7.03	178.61	181.41	49.06	0.38	0.22	0.20	0.18	
19	7.72	0.15	0.22	29.45	5.71	92.76	159.64	45.67	0.38	0.24	0.22	0.18	
20	4.49	0.15	0.16	41.57	6.69	91.31	140.43	38.39	0.38	0.29	0.18	0.18	
21	4.49	0.18	0.16	84.18	6.03	170.28	106.98	35.31	0.38	0.29	0.18	0.18	
22	4.49	0.18	0.18	25.32	9.58	170.28	142.78	34.56	0.38	0.25	0.18	0.18	
23	4.79	0.15	0.18	34.56	5.71	565.04	265.74	35.31	0.38	0.20	0.18	0.18	
24	4.49	0.18	0.18	26.67	4.49	1605.12	291.41	45.67	0.34	0.20	0.18	0.18	
25	4.49	0.18	0.18	39.97	13.71	515.38	135.98	53.42	0.34	0.24	0.18	0.18	
26	4.49	0.18	0.18	23.35	78.63	1605.12	112.22	37.61	0.34	0.24	0.18	0.18	
27	4.49	0.18	0.20	15.99	20.92	1470.18	91.31	43.19	0.34	0.20	0.18	0.18	
28	5.39	0.18	0.16	11.57	22.71	418.77	98.65	46.51	0.34	0.18	0.18	0.18	
29	8.45	0.20	0.16	11.57	133.88	236.81	89.86	46.51	0.34	0.18		0.18	
30	26.67	0.18	0.20	10.76	71.91	159.64	189.94	44.84	0.34	0.18		0.18	
31		0.18		11.57	30.16		147.52		0.34	0.18		0.20	
Total	210.62	39.62	6.73	1221.50	522.16	10026.11	4062.01	1704.44	364.37	7.74	5.18	5.60	18176.08 Tonday
Mean	7.02	1.28	0.22	39.40	16.84	334.20	131.03	56.81	11.75	0.25	0.18	0.18	49.80 Ton/day
Max	36.07	9.19	0.43	327.02	133.88	1605.12	356.85	98.65	33.07	0.34	0.22	0.20	1605.12 Ton/day
Min	1.69	0.15	0.16	0.18	4.49	14.16	49.92	34.56	0.34	0.18	0.18	0.18	0.15 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	29		
R-Square	0.7165		
Remarks	Continued Sediment Station		

$$QS = 1.0091 QW^{2.02660}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	38.10	131.34	124.45	56.07	46.22	83.18	971.48	420.02	60.21	14.62	11.91	0.33	
2	38.10	455.02	88.22	78.29	52.07	64.50	1335.26	939.89	46.22	11.91	8.73	1.72	
3	38.10	153.15	49.10	60.21	40.72	60.21	1288.88	736.97	43.42	11.91	10.66	1.72	
4	38.10	111.23	46.22	56.07	56.07	98.77	1103.17	939.89	40.72	14.62	5.46	2.17	
5	40.72	104.91	188.90	56.07	33.13	64.50	590.52	570.07	40.72	14.62	3.51	1.51	
6	281.64	104.91	168.63	46.22	35.57	83.18	403.26	355.07	38.10	11.91	17.61	1.14	
7	199.47	93.42	160.79	60.21	33.13	1288.88	324.66	309.98	35.57	10.66	35.57	0.97	
8	138.42	324.66	104.91	98.77	35.57	683.73	256.70	221.48	35.57	9.67	13.23	1.51	
9	111.23	269.02	295.63	221.48	30.78	491.91	210.33	244.67	38.10	9.67	9.67	1.72	
10	56.07	269.02	473.28	510.90	33.13	1794.58	199.47	232.93	33.13	8.73	5.46	1.32	
11	40.72	111.23	455.02	710.10	33.13	908.82	199.47	199.47	28.51	8.73	4.11	0.82	
12	52.07	98.77	199.47	1137.42	35.57	403.26	188.90	256.70	33.13	7.84	4.76	1.72	
13	49.10	60.21	98.77	188.90	35.57	244.67	178.62	339.69	35.57	7.00	2.17	1.14	
14	56.07	38.10	138.42	188.90	43.42	178.62	160.79	221.48	35.57	6.20	2.17	1.51	
15	88.22	40.72	188.90	83.18	73.54	355.07	178.62	178.62	35.57	6.20	1.94	5.46	
16	153.15	38.10	178.62	632.51	473.28	657.87	339.69	160.79	38.10	16.08	1.72	1.94	
17	88.22	38.10	145.69	256.70	339.69	971.48	908.82	160.79	35.57	38.10	1.94	1.32	
18	78.29	38.10	199.47	244.67	295.63	2687.11	437.12	153.15	33.13	26.33	2.17	1.32	
19	73.54	49.10	138.42	93.42	199.47	2165.48	269.02	153.15	28.51	17.61	7.00	1.14	
20	64.50	40.72	104.91	93.42	455.02	549.98	244.67	111.23	24.45	20.89	30.78	0.74	
21	64.50	35.57	68.95	188.90	309.98	764.34	232.93	98.77	26.33	20.89	4.76	0.74	
22	46.22	30.78	73.54	49.10	188.90	1137.42	256.70	83.18	22.63	17.61	2.68	0.82	
23	43.42	28.51	64.50	46.22	131.34	2296.96	5004.80	78.29	16.08	14.62	2.42	1.94	
24	43.42	33.13	49.10	68.95	98.77	1207.50	2364.17	78.29	17.61	11.91	0.82	7.00	
25	60.21	199.47	49.10	64.50	256.70	1003.61	1036.27	73.54	17.61	14.62	0.74	5.46	
26	49.10	309.98	49.10	56.07	244.67	1914.30	570.07	78.29	17.61	16.08	0.55	1.72	
27	138.42	295.63	68.95	64.50	145.69	2856.43	339.69	73.54	17.61	16.08	0.43	1.14	
28	124.45	256.70	49.10	49.10	131.34	2604.41	403.26	73.54	16.08	14.62	0.12	0.55	
29	88.22	232.93	60.21	33.13	221.48	1630.97	324.66	64.50	16.08	13.23		2.17	
30	104.91	111.23	52.07	43.42	153.15	1172.19	355.07	56.07	16.08	13.23		1.94	
31		168.63		43.42	111.23		309.98		14.62	13.23		1.72	
Total	2486.70	4272.39	4132.44	5580.82	4373.96	30423.93	20987.05	7664.05	938.21	439.42	193.09	56.42	81548.48 Tonday
Mean	82.89	137.82	137.75	180.03	141.10	1014.13	677.00	255.47	30.26	14.17	6.90	1.82	223.42 Ton/day
Max	281.64	455.02	473.28	1137.42	473.28	2856.43	5004.80	939.89	60.21	38.10	35.57	7.00	5004.80 Ton/day
Min	38.10	28.51	46.22	33.13	30.78	60.21	160.79	56.07	14.62	6.20	0.12	0.33	0.12 Ton/day

WATER YEAR : 2021**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	2021					
Number of observation	27					
R-Square	0.7318					
Remarks	Continued Sediment Station					

$$QS = 3.4394 QW^{1.51620}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	14.22	51.25	61.51	19.12	44.35	82.02	928.24	333.76	126.69	26.03	26.03	26.03	
2	14.22	51.25	44.35	26.03	44.35	70.06	824.08	782.02	117.72	26.03	26.03	23.18	
3	14.22	117.72	39.95	26.03	44.35	78.97	852.53	598.98	117.72	23.18	26.03	23.18	
4	14.22	35.70	33.64	24.59	44.35	153.38	928.24	554.84	113.93	20.44	26.03	20.44	
5	18.10	33.64	48.91	19.12	44.35	88.56	439.55	480.41	102.79	20.44	39.95	20.44	
6	46.62	32.07	72.99	20.44	58.75	75.96	333.76	307.87	102.79	18.10	58.75	20.44	
7	95.58	37.81	82.02	26.03	44.35	75.96	262.83	270.17	102.79	18.10	158.93	20.44	
8	61.51	292.59	82.02	29.00	44.35	449.65	227.62	241.23	102.79	17.10	67.17	18.10	
9	39.95	78.97	131.89	188.44	44.35	522.49	188.44	214.28	95.58	14.22	51.25	18.10	
10	30.52	194.80	220.92	324.64	42.13	459.82	153.38	227.62	82.02	14.22	32.07	18.10	
11	26.03	88.56	241.23	324.64	35.70	333.76	188.44	207.72	75.96	14.22	26.03	17.10	
12	26.03	85.11	121.57	1148.49	33.64	895.82	201.22	220.92	70.06	14.22	26.03	14.22	
13	26.03	32.07	67.17	248.36	33.64	576.76	170.21	255.56	70.06	14.22	26.03	14.22	
14	30.52	24.59	58.75	220.92	35.70	315.61	147.91	207.72	70.06	17.10	26.03	14.22	
15	113.93	20.44	92.05	106.46	56.03	175.95	126.69	201.22	70.06	30.52	26.03	16.12	
16	26.03	17.10	78.97	194.80	459.82	164.54	137.16	170.21	70.06	53.62	23.18	27.50	
17	26.03	14.22	147.91	361.62	390.24	270.17	576.76	147.91	51.25	117.72	27.50	20.44	
18	29.00	14.22	92.05	207.72	307.87	399.94	361.62	147.91	44.35	92.05	51.25	21.80	
19	33.64	15.16	61.51	102.79	292.59	610.19	270.17	147.91	44.35	78.97	92.05	26.03	
20	29.00	17.10	39.95	85.11	342.96	1113.61	234.39	147.91	44.35	113.93	70.06	26.03	
21	29.00	14.22	30.52	110.17	361.62	1148.49	255.56	147.91	44.35	95.58	70.06	26.03	
22	26.03	15.16	26.03	214.28	234.39	480.41	1386.99	147.91	39.95	78.97	61.51	27.50	
23	26.03	21.80	26.03	142.50	182.16	565.76	1311.32	147.91	37.81	70.06	32.07	32.07	
24	26.03	29.00	26.03	117.72	110.17	740.71	824.08	147.91	32.07	70.06	29.00	32.07	
25	23.18	64.32	23.18	95.58	147.91	824.08	782.02	147.91	29.00	70.06	26.03	30.52	
26	24.59	92.05	21.80	78.97	207.72	754.39	380.62	131.89	26.03	64.32	26.03	26.03	
27	44.35	147.91	26.03	72.99	147.91	533.20	333.76	142.50	26.03	44.35	26.03	26.03	
28	78.97	158.93	21.80	82.02	137.16	647.35	270.17	126.69	26.03	42.13	26.03	27.50	
29	61.51	188.44	14.22	61.51	110.17	1219.35	270.17	126.69	26.03	35.70		30.52	
30	44.35	106.46	14.22	44.35	175.95	1201.31	361.62	126.69	26.03	30.52		27.50	
31		64.32		44.35	121.57		361.62		26.03	26.03		30.52	
Total	1099.44	2156.98	2049.22	4768.79	4380.60	15028.27	14091.17	7260.18	2014.74	1372.21	1203.19	722.42	56147.21 Tonday
Mean	36.65	69.58	68.31	153.83	141.31	500.94	454.55	242.01	64.99	44.26	42.97	23.30	153.83 Ton/day
Max	113.93	292.59	241.23	1148.49	459.82	1219.35	1386.99	782.02	126.69	117.72	158.93	32.07	1386.99 Ton/day
Min	14.22	14.22	14.22	19.12	33.64	70.06	126.69	126.69	26.03	14.22	23.18	14.22	14.22 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	28		
R-Square	0.7187		
Remarks	Continued Sediment Station		

$$QS = 0.2547 QW^{0.88320}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.07	0.99	0.09	0.88	1.03	1.28	1.35	0.18	0.31	0.20	0.42	0.62	
2	0.08	1.73	0.12	1.10	0.76	1.24	1.31	0.17	0.33	0.22	0.40	0.59	
3	0.19	1.52	0.21	1.10	0.90	0.70	0.21	0.20	0.23	0.23	0.31	0.47	
4	0.45	0.62	0.96	0.63	1.00	0.36	0.21	0.16	0.20	0.28	0.42	0.35	
5	0.42	0.57	0.67	1.03	1.14	0.24	0.23	0.15	0.42	0.38	0.47	0.40	
6	0.08	2.03	0.21	1.71	0.96	0.26	0.20	0.14	0.49	0.47	0.54	0.40	
7	0.09	1.88	0.43	1.45	1.58	0.24	0.19	0.13	0.28	0.52	0.62	0.33	
8	9.56	0.92	0.20	1.90	1.14	0.21	0.19	0.78	0.22	0.57	0.52	0.66	
9	8.72	1.09	0.43	1.76	1.28	0.43	0.25	2.84	0.23	0.52	0.38	2.19	
10	5.19	2.29	0.43	1.17	1.80	0.90	1.54	1.35	0.69	0.49	0.33	3.20	
11	4.01	0.82	0.36	0.88	1.99	0.82	1.14	3.14	2.29	0.52	0.26	2.55	
12	3.01	0.22	0.43	1.62	2.08	0.36	0.40	3.20	3.32	0.52	0.20	0.62	
13	2.84	0.22	0.38	1.17	2.08	0.19	0.36	3.32	3.01	0.47	0.19	0.57	
14	2.29	0.23	0.20	1.17	2.46	0.17	0.21	2.13	1.42	0.40	0.18	0.57	
15	2.50	1.13	0.45	0.79	2.65	2.03	0.20	3.56	0.22	0.45	0.19	0.69	
16	1.58	1.83	0.33	1.17	2.17	2.34	0.19	3.62	0.20	0.45	0.20	0.64	
17	2.84	0.19	0.73	1.90	2.61	2.44	0.21	3.62	0.20	0.47	0.23	0.62	
18	1.52	0.16	0.24	1.40	4.90	2.50	0.20	3.94	0.19	0.52	0.69	0.59	
19	2.34	0.15	0.25	1.03	2.04	2.24	0.17	4.20	0.19	0.71	2.13	0.59	
20	2.34	0.13	0.49	2.95	1.76	2.24	0.16	4.14	0.18	0.99	3.75	0.62	
21	1.52	0.12	0.35	2.89	1.67	2.39	0.16	2.78	0.16	1.35	3.20	0.82	
22	2.61	0.19	0.42	2.22	0.61	2.50	0.17	1.35	0.16	3.56	4.20	2.61	
23	2.39	0.28	0.43	1.24	0.31	3.14	0.29	2.78	0.28	3.69	3.14	3.32	
24	0.99	0.12	0.25	1.36	0.26	3.14	0.42	2.78	0.33	1.73	3.88	2.73	
25	0.52	0.07	0.27	1.00	3.55	6.11	0.27	2.67	0.35	0.40	2.08	4.48	
26	0.59	0.07	0.43	1.14	2.17	9.75	0.21	1.06	0.33	0.42	0.82	5.19	
27	1.73	0.07	0.23	1.31	0.85	4.55	0.20	0.35	0.23	0.52	0.69	4.69	
28	2.24	0.07	0.20	1.03	0.63	2.84	0.19	0.35	0.19	0.57	0.64	4.41	
29	2.67	0.07	0.49	0.76	1.36	2.08	0.17	0.33	0.19	0.54		4.76	
30	2.34	0.08	0.63	1.24	1.80	1.63	0.16	0.33	0.19	0.49		4.62	
31		0.08		0.96	2.08		0.19		0.19	0.40		4.48	
Total	67.72	19.94	11.31	41.96	51.62	59.32	11.35	55.75	17.22	23.05	31.08	59.38	449.70 Tonday
Mean	2.26	0.64	0.38	1.35	1.67	1.98	0.37	1.86	0.56	0.74	1.11	1.92	1.23 Ton/day
Max	9.56	2.29	0.96	2.95	4.90	9.75	1.54	4.20	3.32	3.69	4.20	5.19	9.75 Ton/day
Min	0.07	0.07	0.09	0.63	0.26	0.17	0.16	0.13	0.16	0.20	0.18	0.33	0.07 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	26		
R-Square	0.8734		
Remarks	Continued Sediment Station		

$$QS = 0.1410 QW^{1.96320}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.10	1.03	0.66	0.19	0.96	894.29	1076.18	1876.48	6.89	0.75	1.37	4.01	
2	0.07	1.03	0.55	0.17	0.82	953.08	857.10	1409.60	7.36	0.65	1.37	3.27	
3	0.05	2.99	0.45	0.17	0.92	953.08	719.77	993.30	7.36	0.55	1.23	2.61	
4	0.04	9.11	0.40	0.17	0.96	719.77	660.76	646.83	6.89	0.55	1.37	2.02	
5	0.04	17.22	0.50	0.17	0.92	503.21	478.99	443.77	5.99	0.65	1.37	1.68	
6	0.04	7.44	0.47	0.14	0.82	274.86	324.71	342.23	4.75	0.65	1.23	1.37	
7	0.04	10.01	0.45	11.93	0.96	455.37	251.46	259.15	4.37	0.55	0.98	1.10	
8	0.13	11.93	0.92	32.12	0.99	689.06	200.85	181.79	4.75	0.49	0.55	0.98	
9	0.79	12.95	1.18	43.81	0.96	7944.68	154.96	131.02	4.37	0.44	0.86	0.86	
10	371.33	7.44	0.96	10.01	0.99	17760.07	123.23	104.76	3.51	0.34	0.86	1.68	
11	236.43	3.75	0.96	32.12	1.03	13107.28	119.42	94.39	3.27	0.25	0.86	1.23	
12	23.83	1.46	0.92	10.95	0.99	7767.74	953.08	75.24	2.61	0.29	0.98	0.75	
13	6.67	1.22	0.82	17.22	1.10	2981.81	2461.73	56.63	2.21	1.23	0.49	0.65	
14	2.01	1.72	0.85	18.77	2.32	1486.77	1941.29	49.77	2.02	2.02	0.86	0.55	
15	1.06	1.18	0.79	67.03	5.25	1702.42	1055.16	49.77	2.61	1.68	1.52	0.65	
16	0.92	1.06	0.72	259.15	23.83	9353.20	646.83	38.00	2.61	1.52	1.52	0.65	
17	0.99	0.96	0.99	11.93	73.44	8579.34	2108.03	34.62	3.51	1.37	2.40	0.65	
18	0.96	0.85	0.96	2.64	37.74	4908.80	3825.34	29.85	2.61	1.52	4.75	0.49	
19	0.99	0.79	0.75	1.06	109.78	2734.08	1786.98	25.61	2.02	1.37	7.36	0.55	
20	1.03	0.99	0.72	4.60	282.88	1844.48	913.68	24.38	1.68	1.84	8.36	0.49	
21	0.92	0.89	0.75	3.36	187.41	804.23	579.36	28.34	1.23	1.84	8.36	0.55	
22	0.72	0.79	0.89	7.44	214.74	4415.86	515.53	26.87	1.10	2.21	7.36	0.55	
23	0.66	0.72	0.69	18.77	160.16	18949.42	839.29	23.18	1.10	2.21	26.87	2.21	
24	0.75	0.66	0.52	22.08	67.03	26048.37	993.30	17.63	1.10	1.84	16.61	5.99	
25	0.82	0.58	0.33	25.64	25.64	16608.57	1309.84	13.99	1.23	1.52	16.61	7.36	
26	0.75	0.47	0.29	14.31	23.83	10957.46	857.10	14.79	3.04	1.84	13.99	7.36	
27	0.75	0.63	0.25	6.67	592.56	11648.31	503.21	15.62	1.52	3.04	6.89	6.89	
28	0.92	4.60	0.24	4.60	467.11	7944.68	324.71	17.63	0.55	2.02	5.56	7.85	
29	1.03	0.79	0.20	2.32	351.80	4196.32	266.95	11.71	0.34	1.68		14.79	
30	1.10	0.85	0.17	1.22	579.36	2074.15	243.89	8.36	0.65	1.52		11.71	
31		0.92		1.18	769.89		619.40		0.75	0.98		10.31	
Total	655.94	107.03	19.35	631.94	3987.19	189260.76	27712.13	7045.31	94.00	39.41	142.54	101.81	229797.41 Tonday
Mean	21.86	3.45	0.64	20.39	128.62	6308.69	893.94	234.84	3.03	1.27	5.09	3.28	629.58 Ton/day
Max	371.33	17.22	1.18	259.15	769.89	26048.37	3825.34	1876.48	7.36	3.04	26.87	14.79	26048.37 Ton/day
Min	0.04	0.47	0.17	0.14	0.82	274.86	119.42	8.36	0.34	0.25	0.49	0.49	0.04 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	25		
R-Square	0.7561		
Remarks	Continued Sediment Station		

$$QS = 1.2181 QW^{1.33840}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.71	0.81	1.47	1.84	2.10	3.04	2.25	1.47	1.01	0.27	0.33	0.27	
2	18.91	0.81	1.35	1.84	2.25	2.56	3.20	1.35	1.01	0.27	17.55	2.40	
3	21.36	0.81	1.23	1.97	1.97	2.56	4.42	1.35	1.01	0.27	26.02	47.49	
4	20.86	0.81	1.23	1.97	9.83	2.56	2.40	1.35	1.23	0.27	35.18	54.65	
5	19.37	0.81	1.23	1.84	32.16	4.42	2.10	1.35	1.01	0.27	54.65	50.64	
6	19.86	0.81	1.35	1.84	31.57	7.79	2.10	1.23	1.01	0.27	58.74	47.49	
7	21.87	0.90	1.23	2.10	30.97	5.16	2.88	1.23	1.01	0.27	57.92	46.71	
8	21.36	0.90	1.23	1.97	32.16	3.04	2.71	1.23	1.01	0.27	50.64	46.71	
9	22.38	0.81	1.47	2.25	34.57	3.71	2.40	1.23	1.12	0.20	47.49	46.71	
10	23.40	0.81	1.59	2.10	35.18	4.42	2.40	1.23	1.23	3.37	40.70	46.71	
11	23.92	0.81	1.59	2.71	34.57	3.89	7.27	1.23	1.23	23.92	50.64	45.93	
12	9.53	0.81	1.47	4.06	33.36	3.04	3.54	1.23	1.35	24.44	50.64	41.42	
13	1.01	0.81	1.47	3.20	3.89	2.71	2.40	1.23	1.35	23.92	51.44	1.23	
14	1.01	0.81	1.97	2.71	3.89	3.04	2.10	1.84	1.23	23.92	49.85	0.41	
15	1.01	0.81	2.40	2.56	6.51	3.20	1.97	1.23	1.23	23.92	27.62	0.27	
16	0.81	0.81	2.25	4.06	3.04	2.25	2.25	1.23	1.23	16.66	0.73	0.27	
17	0.90	0.81	2.71	4.24	2.10	4.97	1.97	1.23	1.23	0.64	0.33	0.20	
18	0.81	0.90	2.25	3.20	1.84	2.88	1.71	1.23	1.47	0.33	0.20	0.41	
19	0.73	0.90	1.97	6.27	1.84	2.40	1.59	6.76	1.12	0.20	0.14	0.27	
20	0.81	0.81	1.84	13.34	2.10	2.71	1.84	31.57	1.01	0.14	0.14	0.14	
21	0.81	0.81	1.84	5.54	2.10	3.04	1.71	10.44	0.41	0.14	0.12	0.12	
22	0.73	0.81	1.97	2.88	2.10	3.20	1.71	1.12	0.33	0.12	0.12	0.12	
23	0.73	0.81	1.97	2.56	2.10	3.71	1.97	1.59	0.33	0.10	0.14	0.20	
24	0.73	0.90	2.10	2.56	3.04	3.71	3.37	1.97	0.33	0.10	0.20	0.20	
25	0.81	2.40	1.97	2.40	5.16	2.88	2.40	1.12	0.27	0.10	0.27	0.27	
26	0.90	2.25	1.97	2.40	3.20	5.16	1.97	1.01	0.33	0.14	0.33	0.41	
27	0.81	2.25	1.71	2.40	2.71	4.79	1.84	1.01	0.33	0.20	0.27	0.48	
28	0.81	3.54	1.84	2.25	2.56	4.79	1.71	1.23	0.33	0.20	0.27	0.48	
29	0.81	3.89	1.71	2.25	2.56	3.54	1.71	1.01	0.27	0.20		0.73	
30	0.81	2.10	1.71	2.25	2.71	2.71	1.59	1.12	0.27	0.20		1.12	
31		1.71		2.25	2.40		1.47		0.27	0.27		0.90	
Total	239.57	38.03	52.09	95.81	336.54	107.88	74.95	83.42	26.57	145.59	622.67	485.36	2308.48 Tonday
Mean	7.99	1.23	1.74	3.09	10.86	3.60	2.42	2.78	0.86	4.70	22.24	15.66	6.32 Ton/day
Max	23.92	3.89	2.71	13.34	35.18	7.79	7.27	31.57	1.47	24.44	58.74	54.65	58.74 Ton/day
Min	0.73	0.81	1.23	1.84	1.84	2.25	1.47	1.01	0.27	0.10	0.12	0.12	0.10 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	30		
R-Square	0.7062		
Remarks	Continued Sediment Station		

$$QS = 1.3668 QW^{1.46430}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.31	11.57	2.14	1.17	21.19	48.73	30.04	46.81	3.66	2.14	0.32	0.29	
2	0.31	13.34	1.08	1.17	21.19	37.62	61.51	30.04	3.66	2.01	0.34	0.31	
3	0.32	13.34	0.81	1.17	21.19	24.86	75.63	50.67	3.42	2.01	0.33	0.32	
4	0.31	5.23	0.65	1.17	22.39	23.61	46.81	59.25	3.18	1.87	0.33	0.32	
5	0.31	2.28	2.57	1.08	24.86	23.61	34.12	30.04	3.18	2.01	0.33	0.32	
6	5.23	4.16	2.14	0.99	24.86	32.74	28.71	23.61	3.18	1.61	0.37	0.31	
7	10.87	4.16	1.37	1.08	22.39	44.92	27.41	21.19	3.18	2.01	0.38	0.31	
8	18.11	2.14	1.17	1.08	22.39	32.74	23.61	19.12	2.95	1.87	0.38	0.32	
9	18.11	1.74	3.66	16.15	23.61	44.92	20.14	19.12	2.57	1.74	0.36	0.32	
10	13.34	2.14	30.04	191.19	22.39	70.82	20.14	18.11	2.72	1.87	0.31	0.31	
11	10.87	1.17	6.96	63.80	20.14	59.25	46.81	16.15	2.72	1.61	0.29	0.29	
12	10.18	0.99	2.57	162.03	20.14	39.40	46.81	14.26	2.57	1.37	0.31	0.29	
13	10.87	0.90	1.87	162.03	32.74	31.38	31.38	12.45	2.72	1.61	0.29	0.29	
14	10.87	0.73	13.34	24.86	41.22	124.21	26.12	10.18	2.72	1.61	0.31	0.29	
15	11.57	0.81	54.81	18.11	75.63	139.54	23.61	9.50	2.95	1.61	0.34	0.31	
16	15.19	0.73	23.61	75.63	68.46	70.82	31.38	8.20	2.95	1.74	0.36	0.33	
17	22.39	0.57	44.92	73.21	54.81	139.54	52.63	7.57	2.72	2.01	0.36	0.33	
18	37.62	0.50	6.37	43.06	39.40	81.42	37.62	7.57	2.57	2.01	0.36	0.50	
19	32.74	0.50	2.43	46.81	32.74	44.92	31.38	7.57	2.72	2.28	0.38	0.47	
20	17.12	0.57	2.01	162.03	73.21	31.38	30.04	6.96	2.95	2.57	0.42	0.38	
21	14.26	0.57	1.61	105.85	73.21	35.85	28.71	6.37	2.43	2.72	0.42	0.36	
22	10.87	0.57	1.37	43.06	44.92	39.40	32.74	6.37	2.28	2.95	0.40	0.36	
23	10.18	0.50	1.27	31.38	34.12	52.63	48.73	6.37	2.01	2.28	0.37	0.28	
24	10.18	0.45	1.37	26.12	28.71	57.02	93.38	7.57	2.14	2.01	0.34	0.23	
25	10.87	6.96	1.27	24.86	81.42	37.62	41.22	6.96	2.28	1.87	0.33	0.20	
26	22.39	46.81	1.17	23.61	50.67	70.82	30.04	4.42	2.57	1.74	0.28	0.17	
27	11.57	6.96	1.37	23.61	41.22	59.25	24.86	4.96	2.72	0.19	0.27	0.15	
28	8.20	1.87	1.37	21.19	35.85	63.80	23.61	4.69	2.57	0.31	0.29	0.14	
29	10.87	10.87	1.27	19.12	32.74	43.06	21.19	4.42	2.28	0.32		0.18	
30	14.26	5.79	1.17	22.39	57.02	31.38	22.39	4.16	2.28	0.31		0.25	
31		2.01		23.61	54.81		23.61		2.01	0.31		0.26	
Total	370.29	150.93	217.76	1412.62	1219.64	1637.26	1116.38	474.66	84.86	52.57	9.57	9.19	6755.73 Tonday
Mean	12.34	4.87	7.26	45.57	39.34	54.58	36.01	15.82	2.74	1.70	0.34	0.30	18.51 Ton/day
Max	37.62	46.81	54.81	191.19	81.42	139.54	93.38	59.25	3.66	2.95	0.42	0.50	191.19 Ton/day
Min	0.31	0.45	0.65	0.99	20.14	23.61	20.14	4.16	2.01	0.19	0.27	0.14	0.14 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	13		
R-Square	0.9231		
Remarks	Continued Sediment Station		

$$QS = 0.3524 QW^{1.66570}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	2.98	0.00	0.00	0.00	342.36	1519.54	1330.95	14.10	5.49	0.00	0.00	
2	0.00	0.26	0.00	0.00	0.00	480.84	1029.47	1442.94	14.10	6.97	0.00	0.00	
3	0.00	0.13	0.00	0.00	0.00	442.59	1007.77	1175.83	28.72	5.49	0.00	0.00	
4	0.00	5.49	0.00	0.00	0.00	480.84	699.56	745.81	5.49	5.49	0.00	0.00	
5	0.00	18.21	0.00	0.00	0.00	315.64	577.72	552.84	11.49	5.49	0.00	0.00	
6	0.00	19.30	0.00	0.00	0.00	223.35	405.62	362.97	11.49	5.49	0.00	0.00	
7	0.00	11.49	0.00	0.00	0.00	169.10	342.36	283.47	7.56	5.49	0.00	0.00	
8	0.00	13.14	0.00	0.00	0.00	283.47	234.91	200.93	2.45	5.49	0.00	0.00	
9	0.00	17.14	0.00	0.00	0.00	912.48	179.46	154.01	8.17	5.49	0.00	0.00	
10	0.00	11.49	0.00	0.00	0.00	5677.92	139.50	121.05	13.14	5.49	0.00	0.00	
11	184.74	15.09	0.00	0.00	0.00	7026.62	121.05	95.60	13.14	5.49	0.00	0.00	
12	99.49	9.44	0.00	0.00	0.00	5186.49	158.98	80.67	5.85	4.16	0.00	0.00	
13	30.31	6.97	0.00	0.00	0.00	2906.22	1355.51	60.78	5.49	3.85	0.00	0.00	
14	18.21	4.48	0.00	0.00	0.00	1306.58	1468.30	84.31	4.48	3.85	0.00	0.00	
15	14.10	5.49	0.00	0.00	10.11	902.05	1040.47	48.04	4.16	0.00	0.00	0.00	
16	6.97	4.16	0.00	0.00	16.10	2716.19	628.80	48.04	4.16	0.00	0.00	0.00	
17	4.81	2.45	0.00	0.00	35.26	5983.28	736.44	38.73	3.85	0.00	0.00	0.00	
18	4.48	1.73	0.00	0.00	40.98	4260.31	2338.45	38.73	8.17	0.00	0.00	0.00	
19	3.85	0.77	0.00	0.00	28.72	2665.37	2000.91	33.58	7.56	0.00	0.00	0.00	
20	3.85	0.08	0.00	0.00	66.78	1841.55	1318.82	28.72	4.48	0.00	0.00	0.00	
21	3.85	0.04	0.00	0.00	107.91	812.70	793.35	28.72	4.48	0.00	0.00	0.00	
22	2.45	0.13	0.00	0.00	88.01	975.64	594.56	28.72	6.40	0.00	0.00	0.00	
23	1.31	0.00	0.00	0.00	95.60	6112.49	717.84	28.72	5.49	0.00	0.00	0.00	
24	1.31	0.00	0.00	0.00	66.78	12893.41	1040.47	27.17	5.49	0.00	0.00	0.00	
25	0.13	0.00	0.00	0.00	48.04	10183.22	1164.13	22.73	5.49	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	30.31	9350.17	1007.77	21.56	5.49	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	50.49	8898.10	646.20	21.56	14.10	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	270.99	11389.65	391.19	21.56	8.17	0.00	0.00	0.00	
29	0.13	0.00	0.00	0.00	184.74	6112.49	302.61	21.56	5.49	0.00		0.00	
30	1.96	0.00	0.00	0.00	179.46	2906.22	270.99	18.21	3.85	0.00		0.00	
31		0.00		0.00	362.97		328.89		3.55	0.00		0.00	
Total	381.95	150.46	0.00	0.00	1683.25	113757.34	24561.64	7168.51	246.05	73.73	0.00	0.00	148022.93 Ton/day
Mean	12.73	4.85	0.00	0.00	54.30	3791.91	792.31	238.95	7.94	2.38	0.00	0.00	405.54 Ton/day
Max	184.74	19.30	0.00	0.00	362.97	12893.41	2338.45	1442.94	28.72	6.97	0.00	0.00	12893.41 Ton/day
Min	0.00	0.00	0.00	0.00	0.00	169.10	121.05	18.21	2.45	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	17		
R-Square	0.9287		
Remarks	Continued Sediment Station		

$$QS = 0.3564 QW^{1.68190}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.30	0.00	0.00	11.28	770.34	3670.88	2213.51	21.83	3.93	0.00	0.00	
2	0.00	0.30	0.00	0.00	9.65	863.50	2603.44	2858.78	20.67	4.24	0.00	0.00	
3	0.00	0.21	0.00	0.00	6.72	852.94	2213.51	2392.34	36.51	3.93	0.00	0.00	
4	0.00	0.21	0.00	0.00	7.65	874.12	1699.32	1656.62	13.56	3.93	0.00	0.00	
5	0.00	4.24	0.00	0.00	7.65	662.39	1463.39	1195.21	25.54	3.64	0.00	0.00	
6	0.00	12.02	0.00	0.00	7.65	475.12	1122.67	884.79	16.85	3.64	0.00	0.00	
7	0.00	4.24	0.00	0.00	6.72	350.59	938.92	710.64	11.28	3.93	0.00	0.00	
8	0.00	4.24	0.00	0.00	7.18	534.74	720.45	597.18	5.91	3.64	0.00	0.00	
9	0.00	14.35	0.00	0.00	8.63	1490.25	561.16	442.34	9.13	3.35	0.00	0.00	
10	0.00	8.63	0.00	21.83	7.65	7599.28	442.34	329.11	11.28	3.07	0.00	0.00	
11	4.56	5.91	0.00	18.60	7.18	10542.14	395.18	268.03	10.73	3.35	0.00	0.00	
12	126.32	3.93	0.00	30.83	8.13	9401.02	466.83	236.32	9.65	3.07	0.00	0.00	
13	52.14	2.82	0.00	23.05	8.63	5852.38	2025.76	183.40	9.13	2.82	0.00	0.00	
14	33.62	1.89	0.00	25.54	8.63	2877.39	2840.22	141.03	8.13	2.82	0.00	0.00	
15	26.81	2.11	0.00	59.67	10.73	1815.33	2261.49	121.57	7.65	0.00	0.00	0.00	
16	19.50	2.11	0.00	90.72	16.00	4053.35	1490.25	112.28	7.65	0.00	0.00	0.00	
17	16.00	1.69	0.00	200.44	29.45	9812.79	1558.70	87.69	8.13	0.00	0.00	0.00	
18	11.28	1.69	0.00	36.51	57.11	8091.17	3838.97	78.83	9.13	0.00	0.00	0.00	
19	3.64	1.69	0.00	17.71	44.13	5339.77	4162.31	70.35	8.13	0.00	0.00	0.00	
20	1.12	1.12	0.00	10.73	75.96	3526.31	2952.78	59.67	7.18	0.00	0.00	0.00	
21	1.12	0.96	0.00	12.78	166.99	2213.51	1874.50	52.14	6.72	0.00	0.00	0.00	
22	0.80	1.30	0.00	15.16	126.32	2087.59	1384.53	54.60	5.91	0.00	0.00	0.00	
23	1.12	0.96	0.00	17.71	141.03	8715.94	1742.46	52.14	5.56	0.00	0.00	0.00	
24	0.80	0.80	0.00	29.45	103.29	17705.97	2087.59	44.13	5.21	0.00	0.00	0.00	
25	0.66	0.00	0.00	36.51	64.92	19947.76	2245.45	37.97	5.21	0.00	0.00	0.00	
26	0.53	0.00	0.00	42.57	44.13	16726.84	2165.94	32.19	5.21	0.00	0.00	0.00	
27	0.06	0.00	0.00	35.03	45.74	15566.46	1531.17	32.19	7.65	0.00	0.00	0.00	
28	0.21	0.00	0.00	24.27	418.38	19044.39	1028.83	32.19	7.18	0.00	0.00	0.00	
29	0.30	0.00	0.00	20.67	372.61	11993.06	790.67	33.62	4.56	0.00		0.00	
30	0.30	0.00	0.00	16.85	315.10	6453.31	691.18	26.81	3.64	0.00		0.00	
31		0.00		12.78	543.48		811.21		3.35	0.00		0.00	
Total	300.89	77.72	0.00	799.41	2688.72	196239.75	53782.10	15037.67	318.27	49.36	0.00	0.00	269293.89 Tonday
Mean	10.03	2.51	0.00	25.79	86.73	6541.32	1734.91	501.26	10.27	1.59	0.00	0.00	737.79 Ton/day
Max	126.32	14.35	0.00	200.44	543.48	19947.76	4162.31	2858.78	36.51	4.24	0.00	0.00	19947.76 Ton/day
Min	0.00	0.00	0.00	0.00	6.72	350.59	395.18	26.81	3.35	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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	2021					
Number of observation	28					
R-Square	0.9300					
Remarks	Continued	Sediment Station				

$$QS = 4.9792 QW^{1.44940}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.87	1.82	24.47	0.29	0.71	29.59	134.09	102.52	5.72	1.09	0.71	0.87	
2	0.79	1.82	7.61	0.29	0.79	42.92	342.62	107.91	5.72	1.09	0.71	0.87	
3	0.79	1.82	5.27	0.29	0.55	14.80	420.72	770.09	5.27	1.09	0.71	0.87	
4	1.09	1.82	2.67	0.23	0.41	13.21	125.17	140.95	4.84	1.09	0.71	0.87	
5	2.97	1.82	1.09	0.18	0.41	8.79	97.40	107.91	3.60	1.09	0.71	0.87	
6	5.72	1.82	0.87	0.18	0.55	5.27	71.40	89.87	2.97	1.09	0.87	0.87	
7	5.72	1.57	0.71	13.21	0.48	30.98	38.22	102.52	3.60	0.87	0.87	0.87	
8	6.17	1.57	0.63	2.67	0.48	19.89	25.66	97.40	3.28	0.79	0.87	4.00	
9	6.17	1.57	1.09	116.44	0.48	29.59	22.14	84.96	2.97	0.79	0.48	1.57	
10	6.17	1.57	38.22	264.50	0.41	131.09	17.71	182.97	4.00	0.79	0.15	0.87	
11	6.64	1.57	7.12	55.23	0.55	84.96	1465.24	75.73	3.60	1.09	0.15	0.87	
12	7.12	1.57	3.60	82.53	10.20	55.23	249.55	57.06	2.67	2.09	0.15	0.87	
13	8.79	1.57	2.37	125.17	1.82	23.30	102.52	49.83	2.09	1.82	0.15	0.87	
14	9.49	5.27	9.49	30.98	2.37	1442.17	69.27	41.24	1.82	1.82	0.15	0.79	
15	2.97	4.84	589.67	5.72	5.27	662.35	58.92	36.73	1.82	1.82	0.23	0.63	
16	2.09	4.00	110.73	4.41	5.27	234.63	128.12	33.82	1.57	1.82	1.32	0.63	
17	1.82	3.28	38.22	4.84	2.67	600.81	187.40	29.59	1.57	2.37	1.32	0.63	
18	1.82	1.32	19.89	4.84	1.82	158.57	131.09	28.22	1.82	5.27	1.32	0.63	
19	1.82	1.32	14.80	9.49	4.84	63.00	97.40	25.66	1.82	4.84	2.37	0.63	
20	2.09	1.09	5.72	205.89	1328.53	48.08	137.51	23.30	2.09	10.20	46.34	0.71	
21	5.27	1.09	7.61	58.92	623.26	545.80	110.73	18.79	1.82	8.79	13.21	0.79	
22	2.09	0.87	2.67	13.99	151.45	285.27	119.33	17.71	1.57	12.43	4.84	0.79	
23	2.09	0.87	0.79	5.72	71.40	215.34	1150.90	16.65	1.32	6.64	1.82	5.27	
24	1.82	0.87	0.55	5.72	36.73	134.09	285.27	19.89	1.32	4.84	1.57	10.93	
25	2.09	3.60	0.41	4.84	567.60	140.95	224.92	19.89	1.32	3.28	1.09	4.41	
26	2.09	6.17	0.48	44.62	116.44	513.59	134.09	18.79	1.09	1.32	1.09	2.97	
27	1.82	3.60	0.48	16.65	48.08	239.65	97.40	13.99	1.32	2.09	0.87	1.57	
28	1.82	57.06	0.41	6.17	30.98	979.55	73.56	12.43	1.32	2.09	0.87	2.67	
29	1.82	49.83	0.35	2.37	53.41	451.03	53.41	10.93	1.09	1.82		224.92	
30	1.82	21.01	0.29	1.57	42.92	244.46	58.92	7.12	1.09	1.09		24.47	
31		29.59		1.09	46.34		69.27		1.09	1.09		7.12	
Total	103.84	217.59	898.28	1089.04	3157.22	7448.96	6299.95	2344.47	77.19	88.40	85.65	305.70	22116.29 Tonday
Mean	3.46	7.02	29.94	35.13	101.85	248.30	203.22	78.15	2.49	2.85	3.06	9.86	60.59 Ton/day
Max	9.49	57.06	589.67	264.50	1328.53	1442.17	1465.24	770.09	5.72	12.43	46.34	224.92	1465.24 Ton/day
Min	0.79	0.87	0.29	0.18	0.41	5.27	17.71	7.12	1.09	0.79	0.15	0.63	0.15 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	39		
R-Square	0.8776		
Remarks	Continued Sediment Station		

$$QS = 0.6603 QW^{1.76530}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.27	51.52	128.11	8.35	144.68	269.06	2827.92	3109.36	9.10	9.88	10.68	14.17	
2	0.41	236.82	68.26	7.63	133.53	222.09	3233.51	3150.51	3.91	10.68	11.51	2.41	
3	0.21	244.33	38.46	7.63	133.53	244.33	2409.26	1860.23	4.38	9.88	9.10	0.27	
4	0.33	187.08	30.69	7.63	128.11	505.43	2558.13	1244.42	16.07	8.35	5.38	0.27	
5	1.72	133.53	56.87	8.35	144.68	313.97	2827.92	892.79	15.11	8.35	7.03	0.21	
6	44.78	150.39	8.35	12.37	342.34	236.82	3445.08	373.40	6.46	8.35	9.88	0.07	
7	71.25	62.45	3.47	20.03	304.74	260.45	1380.84	405.63	3.47	7.63	14.17	1.32	
8	18.67	68.26	5.38	29.05	193.88	286.66	1828.60	304.74	3.05	7.63	14.17	168.11	
9	9.88	332.76	18.67	84.42	168.11	3027.77	977.26	207.78	2.66	5.38	12.37	109.31	
10	5.91	113.72	54.16	450.39	168.11	5273.38	593.10	251.95	2.17	4.38	11.51	56.87	
11	8.35	51.52	162.11	548.50	150.39	3317.44	955.83	92.41	2.41	4.87	11.51	30.69	
12	16.07	32.56	118.22	463.89	162.11	2264.27	1612.46	139.06	2.17	5.91	9.88	104.97	
13	17.35	24.36	24.36	122.78	109.31	851.80	5219.04	150.39	1.94	7.63	9.88	439.01	
14	12.37	18.67	29.05	113.72	113.72	533.98	3109.36	71.25	2.17	9.10	10.68	11.51	
15	11.51	14.17	59.63	42.63	2056.04	772.34	2158.09	71.25	1.94	9.88	10.68	7.03	
16	7.63	22.87	1612.46	34.48	6261.85	892.79	913.59	68.26	1.51	9.10	9.88	5.91	
17	9.88	24.36	5493.15	32.56	5660.52	1765.70	644.71	62.45	1.32	9.88	6.46	3.47	
18	16.07	14.17	2056.04	25.88	2372.64	1353.07	533.98	62.45	0.97	10.68	5.38	0.59	
19	29.05	12.37	244.33	18.67	1408.86	1023.54	373.40	56.87	0.57	11.51	3.91	3.66	
20	128.11	9.88	122.78	30.69	1796.85	593.10	342.34	59.63	0.57	14.17	6.46	4.38	
21	109.31	7.63	104.97	88.38	4951.04	548.50	362.92	74.30	0.15	15.11	9.10	5.38	
22	54.16	7.03	38.46	193.88	1860.23	1000.28	463.89	51.52	1.32	15.11	14.17	6.71	
23	38.46	7.63	36.45	222.09	716.42	1408.86	7349.55	44.78	12.37	20.03	17.35	6.84	
24	29.05	9.88	15.11	269.06	450.39	3885.55	43619.28	14.17	2.17	24.36	17.35	7.36	
25	16.07	20.03	9.10	187.08	332.76	2300.15	23567.78	9.88	0.27	25.88	16.07	8.18	
26	16.07	21.43	7.63	156.20	2672.32	1734.43	5164.95	16.07	1.72	30.69	17.35	7.63	
27	9.88	133.53	5.38	342.34	1892.45	1642.77	2446.11	68.26	4.87	25.88	17.35	6.71	
28	20.03	88.38	6.46	313.97	505.43	2558.13	1465.63	38.46	8.35	21.43	15.11	6.09	
29	32.56	84.42	9.10	662.33	352.56	5493.15	1047.03	32.56	6.46	15.11		6.21	
30	24.36	427.75	8.35	214.88	286.66	5776.30	1070.75	27.45	7.63	13.26		6.59	
31		236.82		162.11	295.64		1217.88		8.35	11.51		9.92	
Total	759.77	2850.32	10575.56	4881.97	36269.90	50356.11	125720.19	13012.28	135.61	391.61	314.37	1041.85	246309.54 Tonday
Mean	25.33	91.95	352.52	157.48	1170.00	1678.54	4055.49	433.74	4.37	12.63	11.23	33.61	674.82 Ton/day
Max	128.11	427.75	5493.15	662.33	6261.85	5776.30	43619.28	3150.51	16.07	30.69	17.35	439.01	43619.28 Ton/day
Min	0.21	7.03	3.47	7.63	109.31	222.09	342.34	9.88	0.15	4.38	3.91	0.07	0.07 Ton/day

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	193.83	14.16	204.38	188.60	1194.25	511.36	434.57	43.18	0.00	0.00	0.00	
2	0.00	149.65	80.98	149.65	178.21	1098.32	566.46	495.82	59.52	0.00	0.00	0.00	
3	0.00	105.80	209.69	33.95	136.20	1098.32	681.40	994.60	47.17	0.00	0.00	0.00	
4	0.00	274.79	309.87	55.14	44.31	1069.85	664.67	966.66	63.75	0.00	0.00	0.00	
5	0.00	374.91	281.74	101.58	36.49	1013.32	911.22	698.21	47.17	0.00	0.00	0.00	
6	0.00	397.09	247.31	15.62	24.93	966.66	1174.94	542.71	39.25	0.00	0.00	0.00	
7	0.00	404.53	140.66	0.66	101.58	929.63	1440.33	472.67	35.40	0.00	0.00	0.00	
8	0.00	260.98	66.40	0.00	97.39	892.88	1612.39	389.67	33.24	0.00	0.00	0.00	
9	0.00	131.77	63.55	0.66	101.58	1480.48	1301.45	382.27	33.24	0.00	0.00	0.00	
10	0.00	193.83	57.92	11.31	127.37	9893.23	1174.94	558.52	39.25	0.00	0.00	0.00	
11	0.00	178.21	44.31	28.98	158.74	9497.43	1050.94	374.91	35.40	0.00	0.00	0.00	
12	0.00	163.33	2.57	46.98	131.77	6956.30	892.88	0.00	33.24	0.00	0.00	0.00	
13	0.00	118.65	1.56	122.99	80.98	4758.43	1050.94	255.70	33.24	0.00	0.00	0.00	
14	0.00	66.40	36.49	220.39	118.65	3084.70	1136.51	222.96	22.82	0.00	0.00	0.00	
15	0.00	57.92	72.16	167.94	114.33	2123.76	1281.83	418.78	18.88	0.00	0.00	0.00	
16	0.00	69.27	46.98	60.72	188.60	1746.73	1069.85	380.57	16.96	0.00	0.00	0.00	
17	0.00	55.14	41.67	127.37	574.41	1050.94	1136.51	272.39	16.96	0.00	0.00	0.00	
18	0.00	46.98	39.07	178.21	2058.16	1213.61	1430.32	206.91	26.90	0.00	0.00	0.00	
19	0.00	60.72	267.87	163.33	2222.88	2003.79	775.42	130.84	33.24	0.00	0.00	0.00	
20	0.00	227.07	465.01	149.65	1500.64	1480.48	511.36	59.52	33.24	0.00	0.00	0.00	
21	0.00	145.14	80.98	127.37	994.60	856.41	582.39	96.40	26.90	0.00	0.00	0.00	
22	0.00	14.16	39.07	78.02	1520.84	784.34	723.56	380.57	6.42	0.00	0.00	0.00	
23	0.00	7.29	26.55	63.55	1591.96	2973.55	1704.92	306.33	0.00	0.00	0.00	0.00	
24	0.00	0.00	20.17	75.08	957.37	8727.63	3713.99	68.03	0.00	0.00	0.00	0.00	
25	0.00	0.00	12.72	149.65	698.21	5463.98	7357.73	55.34	0.00	0.00	0.00	0.00	
26	21.74	0.00	7.29	254.13	715.09	2936.67	9014.97	39.25	0.00	0.00	0.00	0.00	
27	93.23	0.00	4.82	254.13	847.33	2069.07	4086.65	9.72	0.00	0.00	0.00	0.00	
28	154.18	0.00	21.74	247.31	1022.70	1430.32	1050.94	22.82	0.00	0.00	0.00	0.00	
29	140.66	0.00	89.11	227.07	1330.99	856.41	472.67	28.98	0.00	0.00		0.00	
30	149.65	0.00	118.65	209.69	1242.76	614.96	412.00	11.46	0.00	0.00		0.00	
31		0.00		193.83	1340.86		427.02		0.00	0.00		0.00	
Total	559.46	3697.46	2911.07	3719.34	20448.53	80266.45	49922.56	9277.18	745.37	0.00	0.00	0.00	171547.42 Tonday
Mean	18.65	119.27	97.04	119.98	659.63	2675.55	1610.41	309.24	24.04	0.00	0.00	0.00	469.99 Ton/day
Max	154.18	404.53	465.01	254.13	2222.88	9893.23	9014.97	994.60	63.75	0.00	0.00	0.00	9893.23 Ton/day
Min	0.00	0.00	1.56	0.00	24.93	614.96	412.00	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	10		
R-Square	0.7682		
Remarks	Continued Sediment Station		

$$QS = 0.0472 QW^{2.09690}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	788.46	748.02	6996.00	12.56	291.18	0.20	0.00	0.00	
2	0.00	0.00	0.00	0.00	514.84	438.00	6331.06	45.54	291.18	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	452.85	284.37	7081.56	245.65	237.03	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	438.00	188.53	3609.38	154.81	171.16	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	514.84	107.97	1594.38	84.56	123.21	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	483.32	120.56	1594.38	19.54	78.22	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.41	498.95	171.81	1411.34	59.48	52.26	0.00	0.00	0.00	
8	0.00	0.00	0.00	1.38	514.84	127.12	1381.97	33.53	41.32	0.00	0.00	0.00	
9	0.00	0.00	0.00	6.64	1501.40	1352.92	467.96	14.99	61.99	0.00	0.00	0.00	
10	0.00	0.00	0.00	40.37	1324.20	47675.26	483.32	57.02	81.11	0.00	0.00	0.00	
11	0.00	0.00	0.00	127.12	633.36	16623.24	263.56	127.50	72.59	0.00	0.00	0.00	
12	0.00	0.00	0.00	1185.39	263.56	7703.67	341.29	49.97	45.54	0.00	0.00	0.00	
13	0.00	0.00	0.00	3083.12	206.06	3443.20	633.36	64.56	27.46	0.00	0.00	0.00	
14	0.00	0.00	0.00	3131.03	120.56	1441.04	1007.44	81.11	15.85	0.00	0.00	0.00	
15	0.00	0.00	0.00	1080.12	42.63	748.02	2067.07	199.06	10.41	0.00	0.00	0.00	
16	0.00	0.00	0.00	851.21	40.37	580.99	1185.39	237.03	19.54	0.00	0.00	0.00	
17	0.00	0.00	0.00	1441.04	1626.02	1657.98	5051.92	184.83	26.04	0.00	0.00	0.00	
18	0.00	0.00	0.00	830.01	5264.51	5481.25	5481.25	150.07	23.32	0.00	0.00	0.00	
19	0.00	0.00	272.48	367.63	2758.57	5777.66	1381.97	106.84	23.32	0.00	0.00	0.00	
20	0.00	0.00	291.18	26.31	872.69	1563.06	633.36	102.94	14.16	0.00	0.00	0.00	
21	0.00	0.00	69.86	5.02	2849.37	1267.71	670.48	263.38	1722.90	0.00	0.00	0.00	
22	0.00	0.00	3.70	5.40	5554.81	1295.79	1054.61	272.48	1441.04	0.00	0.00	0.00	
23	0.00	0.00	0.00	19.88	4507.90	21880.34	3035.60	136.29	1158.59	0.00	0.00	0.00	
24	0.00	0.00	0.00	155.91	1501.40	36298.11	6996.00	191.88	851.21	0.00	0.00	0.00	
25	0.00	0.00	0.00	670.48	483.32	11531.42	19802.95	191.88	514.84	0.00	0.00	0.00	
26	0.00	0.00	0.00	1501.40	1132.12	12330.60	21036.37	75.38	328.50	0.00	0.00	0.00	
27	0.00	0.00	0.00	1789.11	1471.06	12468.67	6996.00	22.02	171.81	0.00	0.00	0.00	
28	0.00	0.00	0.00	1856.64	4442.37	9587.18	2452.84	7.98	50.19	0.00	0.00	0.00	
29	0.00	0.00	0.00	1626.02	2849.37	9255.39	1267.71	14.99	6.64	0.00		0.00	
30	0.00	0.00	0.00	1185.39	1890.89	6659.19	1105.96	127.50	2.02	0.00		0.00	
31		0.00		728.22	1185.39		984.28		0.86	0.00		0.00	
Total	0.00	0.00	637.22	21715.25	46728.03	218809.07	114400.76	3335.37	7955.49	0.20	0.00	0.00	413581.39 Tonday
Mean	0.00	0.00	21.24	700.49	1507.36	7293.64	3690.35	111.18	256.63	0.01	0.00	0.00	1133.10 Ton/day
Max	0.00	0.00	291.18	3131.03	5554.81	47675.26	21036.37	272.48	1722.90	0.20	0.00	0.00	47675.26 Ton/day
Min	0.00	0.00	0.00	0.00	40.37	107.97	263.56	7.98	0.86	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	13		
R-Square	0.6914		
Remarks	Continued Sediment Station		

$$QS = 0.1888 QW^{1.92310}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	52.82	136.66	17.37	460.17	1919.85	5303.75	2057.94	47.73	4.63	7.39	2.40	
2	0.00	61.72	234.19	28.65	332.12	1504.46	6006.54	2783.89	45.28	4.15	6.79	3.15	
3	0.00	104.55	148.28	30.25	234.19	1224.43	4344.49	3931.31	38.30	3.70	6.21	2.89	
4	0.00	104.55	94.77	25.58	166.51	974.59	3260.88	3035.85	27.09	3.70	5.13	2.89	
5	0.00	234.19	68.32	22.67	148.28	822.26	2950.70	2274.02	21.29	3.42	5.13	2.89	
6	0.00	192.45	55.45	21.29	136.66	1045.03	2702.23	1446.25	16.46	3.70	5.13	2.40	
7	0.00	136.66	78.81	24.11	154.21	929.80	3035.85	952.07	22.67	3.70	4.15	1.95	
8	0.00	136.66	86.20	22.67	332.12	929.80	2425.63	556.60	25.58	3.70	4.63	1.95	
9	0.00	125.50	55.45	40.57	332.12	8416.00	1475.35	507.29	19.94	3.42	4.63	1.22	
10	0.00	75.23	42.89	148.28	199.27	41425.86	1446.25	429.99	16.46	3.15	4.15	1.95	
11	0.00	160.35	28.65	243.93	166.51	23572.04	997.36	345.35	14.71	2.89	4.15	2.17	
12	0.00	166.51	25.58	781.02	185.85	11139.82	1278.22	332.12	14.71	1.95	4.15	15.57	
13	0.00	86.20	52.82	781.02	172.87	5428.41	1885.90	192.45	13.87	1.22	4.15	21.29	
14	0.00	50.24	130.98	929.80	148.28	2742.91	2866.71	206.10	12.26	1.37	4.15	16.46	
15	0.00	36.10	94.77	206.10	142.37	1786.38	3399.28	206.10	12.26	2.89	5.13	13.05	
16	0.00	28.65	68.32	263.99	284.81	1819.16	2387.29	142.37	10.03	6.21	4.63	10.75	
17	0.27	22.67	86.20	160.35	4239.23	3170.02	6969.44	136.66	8.01	4.15	4.63	8.01	
18	38.30	17.37	1171.75	154.21	6686.21	5618.00	4186.84	120.05	8.66	5.66	3.70	8.01	
19	30.25	14.71	2503.19	75.23	4450.99	5180.48	2200.63	109.58	8.66	16.46	3.42	7.39	
20	28.65	16.46	460.17	94.77	2702.23	2661.84	1446.25	104.55	8.66	28.65	3.42	7.39	
21	24.11	16.46	243.93	94.77	4239.23	1919.85	1120.18	94.77	9.33	28.65	3.42	5.13	
22	25.58	13.87	130.98	71.73	4777.92	3124.86	1885.90	82.46	8.01	28.65	3.42	5.13	
23	114.80	11.49	104.55	86.20	3399.28	26191.10	3493.21	78.81	6.79	28.65	3.42	5.13	
24	109.58	10.75	71.73	206.10	1563.78	30282.55	12100.59	78.81	5.66	55.45	3.15	3.70	
25	61.72	10.75	58.55	345.35	997.36	14427.43	30963.60	64.98	5.66	8.66	3.15	3.15	
26	42.89	10.03	58.55	475.63	2503.19	11519.55	26826.57	52.82	4.63	6.79	2.89	2.40	
27	31.89	11.49	58.55	444.96	2164.36	8416.00	8497.88	40.57	4.15	12.26	2.89	2.17	
28	25.58	21.29	58.55	372.58	3981.28	7702.14	3399.28	36.10	10.03	7.39	2.89	1.95	
29	19.94	33.97	33.97	429.99	3352.97	5875.64	2128.71	50.24	5.66	6.79		2.17	
30	136.66	78.81	17.37	372.58	3733.63	5058.61	1721.37	55.45	8.66	6.79		2.17	
31		75.23		539.92	2503.19		1689.16		5.66	6.79		4.15	
Total	690.22	2117.73	6460.18	7511.67	54891.19	236828.87	154396.04	20505.55	466.87	305.59	120.10	171.03	484465.04 Tonday
Mean	23.01	68.31	215.34	242.31	1770.68	7894.30	4980.52	683.52	15.06	9.86	4.29	5.52	1327.30 Ton/day
Max	136.66	234.19	2503.19	929.80	6686.21	41425.86	30963.60	3931.31	47.73	55.45	7.39	21.29	41425.86 Ton/day
Min	0.00	10.03	17.37	17.37	136.66	822.26	997.36	36.10	4.15	1.22	2.89	1.22	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	7		
R-Square	0.5625		
Remarks	Continued Sediment Station		

$$QS = 0.3333 QW^{1.69720}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	0.00	625.38	6200.03	2971.68	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	3.67	651.87	6200.03	2848.18	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	58.14	665.29	6033.73	2726.84	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	106.92	672.36	5869.29	2640.15	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	104.33	686.60	5596.10	2537.02	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	89.34	693.76	5323.46	2455.73	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	80.21	708.18	5056.44	2375.53	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	65.73	708.18	4692.15	2296.44	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	50.97	700.96	4334.13	2207.51	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	44.20	573.75	4077.98	2120.03	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	50.97	737.39	3910.80	2034.01	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	49.24	889.15	3726.68	1949.46	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	50.97	1083.55	3606.65	1874.24	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	49.24	1327.02	3429.65	1785.58	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	78.07	1516.78	3284.96	1698.69	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	125.78	1727.46	3173.74	1579.41	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	69.74	1785.58	3072.03	1455.20	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.66	125.78	1859.34	2971.68	1360.93	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	291.44	1889.18	2946.81	1271.28	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	386.48	1934.32	2872.71	1173.93	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	484.02	2051.10	2775.12	1083.55	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	467.03	2137.41	2726.84	986.64	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.66	484.02	2242.91	2660.98	889.15	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.90	518.63	2375.53	2619.39	797.24	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.66	495.45	2640.15	2578.07	700.96	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	1.80	501.14	3097.33	2640.15	586.49	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	1.47	495.45	3726.68	2799.38	484.02	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.28	495.45	4420.93	3021.68	366.18	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.28	524.43	5003.71	3122.71	241.78	0.00	0.00		0.00	
30	0.00	0.00	0.00	0.00	573.75	6033.73	3148.18	117.54	0.00	0.00		0.00	
31		0.00		0.00	599.34		3046.81		0.00	0.00		0.00	
Total	0.00	0.00	0.00	6.71	7519.93	55165.58	117518.36	47615.39	0.00	0.00	0.00	0.00	227825.97 Tonday
Mean	0.00	0.00	0.00	0.22	242.58	1838.85	3790.91	1587.18	0.00	0.00	0.00	0.00	624.18 Ton/day
Max	0.00	0.00	0.00	1.80	599.34	6033.73	6200.03	2971.68	0.00	0.00	0.00	0.00	6200.03 Ton/day
Min	0.00	0.00	0.00	0.00	0.00	573.75	2578.07	117.54	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**YOM RIVER BASIN****Yom River at Ban Bang Rakam , Phitsanulok (Y.16)**

Lat 16 - 45 - 29 N Long 100 - 06 - 56 E

Location : on right bank about 58 meters upstream from the old staff gage.

	Ban Bang Rakam	Amphoe Bang Rakam	Changwat Phitsanulok
Drainage Area	19,536 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1995-Cont'd		
Actual Measurement	1995-Cont'd		
Using Rating Curve Water Year	2021		
Number of observation	10		
R-Square	0.2207		
Remarks	Continued Sediment Station		

$$QS = 42.0017 QW^{0.42940}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	196.89	318.19	511.51	529.43	284.73	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	177.80	323.13	523.64	529.43	262.73	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	131.87	324.96	537.49	528.47	233.23	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	98.62	325.56	547.22	526.54	201.49	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	91.30	327.37	558.57	524.12	180.94	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	86.92	321.29	567.62	521.69	177.16	0.00	0.00	0.00	
7	0.00	0.00	0.00	20.11	81.78	303.02	572.08	518.76	179.07	0.00	0.00	0.00	
8	0.00	0.00	0.00	34.21	79.35	293.85	572.08	515.39	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	43.07	76.17	309.39	568.97	511.51	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	47.78	72.80	354.87	564.93	506.59	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	49.99	70.68	369.75	561.76	500.61	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	53.80	67.70	380.80	561.76	494.11	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	55.33	65.35	383.10	558.57	487.07	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	56.07	62.25	374.36	554.49	478.89	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	79.35	58.93	380.80	549.96	469.31	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	84.69	62.89	389.34	545.39	459.47	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	97.45	132.54	393.24	541.69	449.61	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	102.03	207.24	404.25	537.95	439.48	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	192.28	230.66	411.34	535.60	428.74	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	212.37	248.08	419.85	532.77	418.80	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	215.68	250.72	425.57	529.91	409.17	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	215.68	239.04	429.83	529.91	401.47	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	220.21	205.98	433.60	533.24	393.24	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	221.49	188.21	439.48	530.86	381.37	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	228.69	187.52	447.50	528.47	376.13	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	234.50	192.28	455.34	526.54	370.31	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	222.75	192.28	465.20	524.12	359.48	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	218.29	185.43	476.39	523.64	337.63	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	214.37	197.53	489.60	525.58	311.89	0.00	0.00		0.00	
30	0.00	0.00	0.00	212.37	260.78	501.62	527.51	294.45	0.00	0.00		0.00	
31		0.00		202.14	305.59		528.47		0.00	0.00		0.00	
Total	0.00	0.00	0.00	3534.70	4705.18	11672.59	16812.30	13473.16	1519.35	0.00	0.00	0.00	51717.28 Tonday
Mean	0.00	0.00	0.00	114.02	151.78	389.09	542.33	449.11	49.01	0.00	0.00	0.00	141.69 Ton/day
Max	0.00	0.00	0.00	234.50	305.59	501.62	572.08	529.43	284.73	0.00	0.00	0.00	572.08 Ton/day
Min	0.00	0.00	0.00	0.00	58.93	293.85	511.51	294.45	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	32		
R-Square	0.8790		
Remarks	Continued Sediment Station		

$$QS = 1.2834 QW^{1.71030}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.13	683.41	81.55	57.11	494.99	383.21	1618.03	4415.15	63.63	16.30	13.04	9.48	
2	0.99	346.52	42.59	116.68	373.89	1533.82	3265.55	2104.55	57.11	16.30	9.48	7.93	
3	0.73	193.89	29.48	116.68	346.52	1234.88	3674.53	1411.02	53.96	16.30	6.49	7.93	
4	0.61	222.96	22.38	132.38	616.10	784.23	3632.73	1033.02	53.96	16.30	6.49	7.20	
5	0.73	121.43	50.89	67.00	1197.07	629.28	3345.74	769.48	50.89	16.30	6.49	6.49	
6	1.13	53.96	107.41	73.95	963.36	462.64	1836.68	603.05	47.89	15.18	7.20	5.82	
7	0.99	328.76	137.99	63.63	577.28	642.56	2050.24	505.97	40.27	13.04	7.93	9.48	
8	2.72	373.89	116.68	143.71	383.21	912.45	1273.18	421.42	33.63	12.03	7.93	29.48	
9	33.63	70.44	89.84	895.73	277.82	1390.97	740.32	383.21	33.63	11.15	7.20	19.85	
10	21.10	42.59	208.21	1411.02	215.53	1639.38	603.05	346.52	33.63	10.30	7.20	12.03	
11	14.10	31.53	452.06	862.68	269.67	1769.88	2104.55	311.38	33.63	10.30	6.49	14.10	
12	10.30	23.69	121.43	616.10	245.85	1050.75	4016.02	294.40	31.53	10.30	5.82	13.04	
13	7.93	21.10	107.41	431.20	697.46	616.10	2729.72	277.82	29.48	10.30	5.18	12.03	
14	10.30	22.38	754.84	245.85	2413.98	616.10	1533.82	253.69	27.49	10.30	4.57	7.93	
15	22.38	67.00	4505.96	238.12	4016.02	740.32	929.29	230.49	25.56	10.30	4.57	7.20	
16	19.85	22.38	10588.09	245.85	2695.42	669.49	740.32	208.21	27.49	9.48	5.18	6.49	
17	17.45	16.30	2132.17	269.67	1371.04	799.10	683.41	186.89	23.69	10.30	4.57	5.82	
18	121.43	17.45	895.73	286.06	1215.92	814.09	603.05	167.52	19.85	10.30	4.57	22.38	
19	311.38	14.10	505.97	186.89	799.10	564.58	528.24	161.43	16.30	16.30	5.82	40.27	
20	89.84	12.03	311.38	616.10	3010.54	505.97	411.72	143.71	17.45	21.10	7.20	53.96	
21	53.96	23.69	201.00	564.58	1836.68	1859.17	441.58	137.99	16.30	47.89	12.03	27.49	
22	40.27	19.85	143.71	302.84	1215.92	1471.89	4689.90	132.38	16.30	73.95	17.45	18.64	
23	23.69	23.69	102.90	193.89	799.10	3972.65	48040.22	132.38	16.30	53.96	29.48	13.04	
24	18.64	17.45	81.55	161.43	484.10	2159.46	28946.81	121.43	17.45	40.27	21.10	18.64	
25	16.30	35.79	77.53	294.40	4059.59	1431.19	6202.30	121.43	16.30	29.48	15.18	15.18	
26	15.18	173.71	67.00	1068.61	3228.59	1311.96	2271.02	112.00	16.30	23.69	13.04	15.18	
27	31.53	149.52	53.96	616.10	1159.75	1513.06	1390.97	107.41	17.45	22.38	11.15	16.30	
28	38.00	143.71	44.97	1159.75	799.10	6381.90	1033.02	89.84	17.45	18.64	9.48	15.18	
29	53.96	697.46	70.44	655.97	590.11	2939.26	1086.59	85.65	18.64	16.30		70.44	
30	215.53	215.53	77.53	431.20	462.64	2327.67	929.29	77.53	17.45	16.30		1331.54	
31		132.38		431.20	364.67		3345.74		17.45	14.10		373.89	
Total	1195.78	4318.59	22182.65	12956.38	37181.02	43128.01	134697.63	15346.97	908.46	619.14	262.33	2214.43	275011.39 Tonday
Mean	39.86	139.31	739.42	417.95	1199.39	1437.60	4345.08	511.57	29.31	19.97	9.37	71.43	753.46 Ton/day
Max	311.38	697.46	10588.09	1411.02	4059.59	6381.90	48040.22	4415.15	63.63	73.95	29.48	1331.54	48040.22 Ton/day
Min	0.61	12.03	22.38	57.11	215.53	383.21	411.72	77.53	16.30	9.48	4.57	5.82	0.61 Ton/day

WATER YEAR : 2021

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	2021				
Number of observation	26				
R-Square	0.7460				
Remarks	Continued Sediment Station				

$$QS = 2.3435 QW^{1.79550}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.80	50.02	2.51	1.40	9.42	5.57	73.80	685.88	0.21	1.27	1.08	1.05	
2	0.78	4.29	1.24	1.79	4.91	121.12	111.62	230.53	0.27	1.27	1.02	0.85	
3	0.75	2.78	0.80	1.57	3.65	59.71	371.46	141.64	0.29	1.27	0.96	0.83	
4	0.72	2.02	0.45	1.24	3.35	18.92	116.33	85.23	0.49	1.24	0.94	0.83	
5	0.72	1.08	1.40	1.40	3.35	14.69	66.59	59.71	0.72	1.05	0.88	0.78	
6	0.88	0.68	1.79	35.45	2.51	13.39	40.06	44.92	1.47	0.63	0.83	0.80	
7	0.91	0.56	2.51	3.35	1.57	16.05	188.08	35.45	1.50	0.39	0.80	0.91	
8	0.91	0.80	13.39	3.06	1.79	10.29	66.59	29.01	1.50	11.20	0.75	0.65	
9	0.94	0.56	9.42	42.46	1.79	85.23	42.46	21.99	1.50	56.40	0.70	0.49	
10	0.94	0.45	4.91	17.46	2.02	136.25	37.72	18.92	1.53	44.92	0.63	0.39	
11	0.94	0.36	3.35	5.57	1.57	77.53	443.79	16.05	1.47	14.69	0.58	0.27	
12	0.91	0.36	2.51	3.35	1.40	26.98	381.44	13.39	1.24	1.05	0.60	0.22	
13	0.91	0.27	2.51	6.27	2.02	21.99	147.13	11.20	1.20	1.20	0.65	0.21	
14	0.94	0.22	2.51	2.51	2.26	16.05	81.34	10.29	1.30	1.24	0.68	0.18	
15	0.94	0.68	2.51	5.57	2.26	31.09	63.11	9.42	1.40	1.27	0.68	0.13	
16	0.96	0.68	47.44	7.00	3.96	25.27	47.44	7.77	1.47	1.30	0.65	0.12	
17	59.71	0.27	201.80	2.78	23.61	20.43	47.44	7.00	1.43	1.33	0.60	0.19	
18	98.03	0.22	26.98	2.26	17.46	14.69	44.92	4.91	1.40	1.50	0.54	0.24	
19	26.98	0.25	12.14	1.79	40.06	12.14	29.01	5.57	1.43	1.50	0.54	0.24	
20	16.05	0.68	6.27	1.24	66.59	66.59	21.99	4.29	1.50	1.47	0.91	0.29	
21	16.05	1.57	1.57	0.45	53.17	111.62	53.17	4.29	1.27	1.47	0.91	0.29	
22	10.29	1.24	1.57	0.56	25.27	245.52	568.81	4.29	1.33	1.50	0.80	0.24	
23	8.58	0.45	1.24	0.80	16.05	181.96	2165.73	3.65	1.50	1.43	0.75	0.21	
24	7.00	0.68	1.24	1.08	7.00	70.16	278.14	3.35	1.50	1.24	0.60	0.30	
25	5.57	56.40	1.40	3.06	35.45	98.03	107.01	2.51	1.47	1.14	0.80	0.43	
26	12.14	23.61	0.94	44.92	20.43	77.53	66.59	2.78	1.47	1.08	1.11	0.36	
27	37.72	3.65	0.80	17.46	14.69	130.95	50.02	2.78	1.50	1.27	1.17	0.29	
28	8.58	606.76	0.56	9.42	10.29	1050.79	35.45	2.51	1.47	1.36	1.05	0.27	
29	1.57	47.44	2.51	2.51	5.57	237.97	169.99	2.78	1.33	1.24		0.96	
30	44.92	20.43	7.00	9.42	3.35	141.64	978.92	0.80	1.33	1.20		1.17	
31		9.42		50.02	3.35		1246.37		1.30	1.14		0.78	
Total	367.14	838.88	365.27	287.22	390.17	3140.15	8142.52	1472.91	38.79	160.26	22.21	14.97	15240.49 Tonday
Mean	12.24	27.06	12.18	9.27	12.59	104.67	262.66	49.10	1.25	5.17	0.79	0.48	41.75 Ton/day
Max	98.03	606.76	201.80	50.02	66.59	1050.79	2165.73	685.88	1.53	56.40	1.17	1.17	2165.73 Ton/day
Min	0.72	0.22	0.45	0.45	1.40	5.57	21.99	0.80	0.21	0.39	0.54	0.12	0.12 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	11		
R-Square	0.7555		
Remarks	Continued Sediment Station		

$$QS = 5.8329 QW^{1.16100}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	134.05	0.00	97.49	248.94	856.20	709.94	309.96	46.88	0.00	0.00	0.00	
2	0.00	134.05	11.39	112.35	215.76	715.48	693.36	41.32	58.64	0.00	0.00	0.00	
3	0.00	62.11	72.95	39.55	186.99	709.94	709.94	165.27	70.74	0.00	0.00	0.00	
4	0.00	87.06	139.09	22.67	114.49	704.41	633.05	598.16	61.64	0.00	0.00	0.00	
5	0.00	178.48	136.57	65.69	62.11	649.42	765.59	337.97	46.88	0.00	0.00	0.00	
6	0.00	215.76	121.59	30.18	31.72	616.74	932.27	255.80	29.67	0.00	0.00	0.00	
7	0.00	227.54	101.70	6.65	48.06	573.91	1208.81	129.46	13.80	0.00	0.00	0.00	
8	0.00	209.96	53.27	0.00	65.69	564.45	1418.77	106.96	2.13	0.00	0.00	0.00	
9	0.00	93.30	44.63	0.00	62.11	643.96	1017.93	33.44	0.00	0.00	0.00	0.00	
10	0.00	97.49	42.93	0.00	69.31	5809.98	560.24	20.40	0.00	0.00	0.00	0.00	
11	0.00	99.59	37.97	16.90	87.06	7333.06	474.23	45.44	0.00	0.00	0.00	0.00	
12	0.00	95.39	14.11	21.21	89.13	5641.51	264.51	116.34	0.00	0.00	0.00	0.00	
13	0.00	82.94	0.00	56.78	58.55	4046.25	347.74	148.59	0.00	0.00	0.00	0.00	
14	0.00	46.34	7.77	112.35	67.50	2679.11	411.53	208.63	0.00	0.00	0.00	0.00	
15	0.00	31.72	44.63	124.07	71.12	1630.63	579.16	234.19	0.00	0.00	0.00	0.00	
16	0.00	36.39	39.55	62.11	87.06	1448.99	532.03	264.51	0.00	0.00	0.00	0.00	
17	0.00	34.82	36.39	56.78	198.43	938.15	357.55	247.12	0.00	0.00	0.00	0.00	
18	0.00	27.14	30.18	103.82	974.83	799.25	957.22	282.06	0.00	0.00	0.00	0.00	
19	0.00	28.66	71.12	103.82	1622.50	1486.89	377.28	229.90	0.00	0.00	0.00	0.00	
20	0.00	76.81	261.29	103.82	1145.90	1479.30	86.67	124.07	0.00	0.00	0.00	0.00	
21	0.00	108.07	110.21	103.82	607.18	856.20	64.65	111.63	0.00	0.00	0.00	0.00	
22	0.00	25.64	37.97	91.21	856.20	804.88	475.23	225.62	0.00	0.00	0.00	0.00	
23	0.00	0.69	25.64	85.00	1104.18	1671.37	1000.21	268.88	0.00	7.77	0.00	0.00	
24	0.00	0.00	18.32	76.81	732.13	6371.93	2569.62	95.39	0.00	89.13	0.00	0.00	
25	0.00	14.11	12.74	99.59	441.49	4968.85	5167.56	69.21	0.00	144.15	0.00	0.00	
26	0.00	33.27	4.50	170.01	403.96	3011.25	7352.19	104.63	0.00	126.55	0.00	0.00	
27	0.00	28.66	0.00	239.74	492.23	2094.00	4209.10	134.89	0.00	74.78	0.00	0.00	
28	56.78	39.55	0.00	296.37	588.14	1541.49	1301.38	104.63	0.00	39.55	0.00	0.00	
29	87.06	21.21	48.06	309.96	879.51	1208.81	466.76	91.01	0.00	19.76		0.00	
30	119.11	2.49	58.55	299.76	833.11	776.79	303.15	67.69	0.00	0.00		0.00	
31		0.69		276.85	920.51		306.55		0.00	0.00		0.00	
Total	262.95	2273.98	1583.12	3185.36	13365.90	62633.20	36254.22	5173.17	330.38	501.69	0.00	0.00	125563.97 Tonday
Mean	8.76	73.35	52.77	102.75	431.16	2087.77	1169.49	172.44	10.66	16.18	0.00	0.00	344.01 Ton/day
Max	119.11	227.54	261.29	309.96	1622.50	7333.06	7352.19	598.16	70.74	144.15	0.00	0.00	7352.19 Ton/day
Min	0.00	0.00	0.00	0.00	31.72	564.45	64.65	20.40	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	30		
R-Square	0.8381		
Remarks	Continued Sediment Station		

$$QS = 0.4237 QW^{1.64340}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.06	61.62	112.77	20.51	207.23	444.62	2080.39	783.35	48.44	2.61	3.80	1.69	
2	0.04	112.77	93.05	22.79	173.70	422.57	1891.79	1369.17	40.36	2.85	3.04	1.56	
3	0.04	76.33	59.34	18.34	127.37	352.28	1489.77	1369.17	25.15	2.85	2.55	1.43	
4	0.02	143.34	37.09	12.92	109.38	299.72	1051.81	906.00	17.28	3.10	1.82	1.14	
5	0.02	127.37	27.97	12.92	109.38	372.84	1181.81	644.95	16.25	3.37	2.25	1.05	
6	0.03	89.91	40.36	9.77	109.38	408.11	1115.69	490.03	23.96	3.10	2.40	0.96	
7	0.03	78.90	46.36	12.26	178.35	338.83	1238.31	379.79	29.42	3.10	2.40	0.96	
8	0.02	71.29	23.96	20.51	239.79	452.07	706.15	312.55	21.64	3.10	2.40	0.80	
9	0.01	48.44	16.25	89.91	164.55	4715.38	697.27	268.58	12.92	10.37	2.10	0.53	
10	13.59	106.03	12.26	93.05	135.26	9124.14	521.25	234.23	10.99	44.07	2.55	2.25	
11	15.25	116.19	14.27	379.79	135.26	4893.10	553.23	217.88	10.99	55.20	2.55	11.36	
12	8.61	59.34	35.50	352.28	131.29	2385.47	697.27	187.79	9.18	63.99	2.71	7.40	
13	8.05	33.94	68.82	365.94	116.19	1281.36	843.80	160.04	9.77	65.28	2.71	6.07	
14	10.37	26.55	48.44	147.45	109.38	636.38	1726.48	202.30	8.61	66.59	2.40	4.84	
15	10.99	21.64	33.94	127.37	112.77	529.18	1102.80	131.29	5.68	67.90	2.10	3.80	
16	9.77	12.26	50.55	89.91	1064.47	688.44	1102.80	116.19	4.02	66.59	1.82	3.23	
17	10.99	10.37	239.79	131.29	2843.49	1026.68	1662.03	116.19	6.12	61.42	1.14	3.41	
18	11.62	9.77	1310.38	96.23	2572.49	2459.62	906.00	112.77	5.68	58.90	1.05	3.23	
19	11.62	9.18	644.95	63.99	1167.85	1281.36	569.49	99.46	7.06	60.16	1.33	2.87	
20	10.37	12.92	228.73	59.34	1195.84	793.30	386.80	93.05	6.59	61.42	1.69	1.96	
21	14.27	10.37	96.23	48.44	1824.96	627.86	444.62	84.14	6.12	67.90	1.96	1.56	
22	63.99	8.61	96.23	59.34	1942.53	662.21	773.45	86.81	4.41	70.57	1.56	1.05	
23	50.55	7.06	68.82	135.26	874.68	2553.54	1874.99	84.14	3.37	70.57	1.96	0.53	
24	30.90	7.06	44.33	187.79	452.07	2150.70	7407.53	68.82	4.82	73.27	1.43	0.36	
25	21.64	6.59	33.94	245.39	763.59	2784.53	13010.53	59.34	2.85	24.23	1.56	0.36	
26	17.28	12.26	23.96	228.73	773.45	2348.74	6805.00	35.50	3.37	3.61	2.40	0.53	
27	13.59	16.25	18.34	212.53	1195.84	1726.48	2115.43	30.90	5.24	5.07	2.25	0.40	
28	12.92	21.64	11.62	217.88	1128.64	1874.99	1001.78	52.69	4.41	5.81	1.96	1.24	
29	10.99	52.69	9.77	245.39	715.07	1662.03	744.03	61.62	4.02	5.56		1.69	
30	18.34	48.44	11.62	287.10	602.57	2080.39	644.95	54.87	2.61	4.84		1.69	
31		89.91		239.79	505.55		706.15		2.85	4.41		1.43	
Total	375.97	1509.04	3559.64	4234.21	21782.37	51376.92	57053.40	8813.61	364.18	1041.81	59.89	71.38	150242.42 Tonday
Mean	12.53	48.68	118.65	136.59	702.66	1712.56	1840.43	293.79	11.75	33.61	2.14	2.30	411.62 Ton/day
Max	63.99	143.34	1310.38	379.79	2843.49	9124.14	13010.53	1369.17	48.44	73.27	3.80	11.36	13010.53 Ton/day
Min	0.01	6.59	9.77	9.77	109.38	299.72	386.80	30.90	2.61	2.61	1.05	0.36	0.01 Ton/day

WATER YEAR : 2021**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.				
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	2021					
Number of observation	23					
R-Square	0.7784					
Remarks	Continued Sediment Station					

$$QS = 2.3672 QW^{1.46100}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.67	0.71	0.53	0.71	0.67	7.29	13.01	0.58	0.29	0.39	0.00	
2	0.00	1.41	0.62	0.62	0.49	0.58	5.32	6.28	0.49	0.35	0.37	0.00	
3	0.00	0.86	0.58	0.62	0.45	0.58	5.32	3.83	0.49	0.39	0.31	0.00	
4	0.01	0.67	0.49	0.58	0.41	1.07	2.76	2.26	0.49	0.39	0.31	0.00	
5	0.01	0.58	0.49	0.67	0.39	0.58	1.77	1.90	0.39	0.37	0.33	0.00	
6	0.01	0.62	0.49	0.49	0.39	0.53	1.41	1.52	0.39	0.35	0.28	0.00	
7	0.04	0.71	1.65	0.53	0.39	0.58	1.77	1.29	0.49	0.31	0.24	0.00	
8	0.19	0.58	7.64	1.18	0.39	0.62	1.18	1.29	0.49	0.29	0.24	0.00	
9	0.18	0.58	1.29	9.08	0.37	2.76	1.18	1.18	0.35	0.29	0.19	0.00	
10	0.26	0.49	0.86	3.01	0.37	9.83	1.90	1.07	0.18	0.33	0.11	0.00	
11	0.13	0.49	0.71	1.77	0.37	5.95	15.57	0.96	0.28	0.24	0.11	0.00	
12	0.12	0.45	0.67	0.81	0.39	1.90	14.70	0.81	0.21	0.33	0.11	0.00	
13	0.12	0.41	0.62	0.81	0.39	0.81	8.35	0.81	0.13	0.37	0.11	0.00	
14	0.15	0.58	102.77	0.53	0.39	1.90	3.01	0.71	0.13	0.37	0.11	0.00	
15	0.13	0.58	16.01	0.62	0.49	1.29	1.41	0.81	0.16	0.37	0.11	0.00	
16	0.16	0.49	5.32	0.62	0.76	0.96	1.65	0.81	0.19	0.21	0.11	0.00	
17	0.28	0.53	3.01	0.49	0.96	0.81	2.76	0.81	0.15	0.26	0.12	0.00	
18	0.45	0.49	1.65	0.37	0.71	0.96	1.41	0.81	0.16	0.39	0.12	0.00	
19	0.67	0.96	0.81	0.31	5.95	0.96	1.07	0.76	0.15	0.45	0.00	0.00	
20	0.39	4.41	0.67	0.33	6.61	1.65	1.07	0.76	0.23	0.45	0.00	0.00	
21	0.39	1.07	0.58	0.39	3.55	3.28	1.41	0.71	0.21	0.58	0.00	0.00	
22	0.35	0.49	0.45	0.39	1.07	14.70	3.83	0.67	0.13	0.53	0.00	0.00	
23	0.24	0.58	0.33	0.45	0.71	6.61	15.13	0.62	0.13	0.49	0.00	0.00	
24	0.19	0.76	0.24	0.45	3.28	3.01	5.63	0.67	0.29	0.45	0.00	0.00	
25	0.19	2.76	0.13	0.81	4.11	2.51	3.01	0.62	0.35	0.45	0.00	0.00	
26	0.28	3.83	0.12	1.29	1.29	1.52	1.77	0.62	0.33	0.45	0.00	0.00	
27	0.31	1.41	0.58	0.86	0.76	0.81	1.29	0.62	0.37	0.41	0.00	0.00	
28	0.49	5.95	0.39	0.62	0.86	30.33	1.90	0.62	0.45	0.41	0.00	0.00	
29	0.28	21.59	0.71	0.49	0.53	8.35	2.51	0.58	0.37	0.41		0.00	
30	0.53	3.01	0.58	0.49	0.45	10.99	2.51	0.58	0.31	0.39		0.00	
31		1.07		0.67	0.41		11.38		0.29	0.39		0.00	
Total	6.55	59.08	151.17	30.88	38.40	117.10	131.27	47.99	9.36	11.76	3.67	0.00	607.23 Tonday
Mean	0.22	1.91	5.04	1.00	1.24	3.90	4.23	1.60	0.30	0.38	0.13	0.00	1.66 Ton/day
Max	0.67	21.59	102.77	9.08	6.61	30.33	15.57	13.01	0.58	0.58	0.39	0.00	102.77 Ton/day
Min	0.00	0.41	0.12	0.31	0.37	0.53	1.07	0.58	0.13	0.21	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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.				
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	2021					
Number of observation	34					
R-Square	0.8861					
Remarks	Continued	Sediment Station				

$$QS = 0.1848 QW^{1.91240}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.68	131.46	23.96	216.91	4763.42	1486.52	954.22	368.73	66.46	15.92	8.38	7.55	
2	2.35	155.10	17.41	201.52	5460.61	1110.19	1517.63	547.08	66.46	15.92	6.76	6.76	
3	2.04	131.46	9.25	216.91	15594.44	1192.38	1425.22	667.09	69.72	15.92	6.76	6.76	
4	2.35	131.46	7.55	167.61	15468.80	1580.77	1710.73	444.98	69.72	14.50	6.76	5.31	
5	4.65	73.05	10.17	112.68	9658.43	1517.63	1425.22	325.45	63.27	14.50	6.02	4.65	
6	112.68	29.54	38.54	103.81	5129.60	1914.83	1004.96	249.29	40.97	13.15	7.55	4.65	
7	1395.03	23.96	31.68	368.73	3231.69	2633.12	769.50	224.80	36.18	13.15	9.25	4.21	
8	547.08	17.41	14.50	500.51	2203.99	2355.82	631.64	187.26	33.89	13.15	9.25	6.76	
9	161.30	17.41	46.04	2633.12	1580.77	1710.73	530.86	180.59	33.89	11.12	8.38	11.12	
10	117.25	18.95	76.46	1645.14	1192.38	2203.99	444.98	201.52	36.18	11.12	6.02	10.17	
11	43.47	17.41	194.04	835.81	1083.41	1645.14	631.64	167.61	36.18	10.17	3.03	7.55	
12	29.54	11.12	155.10	472.35	1395.03	1164.67	1030.80	149.01	40.97	9.25	4.65	5.31	
13	22.23	13.15	121.90	315.03	1083.41	1486.52	137.19	29.54	9.25	6.02	4.65		
14	22.23	11.12	11118.64	224.80	979.43	1220.40	747.98	143.04	25.76	9.25	6.02	4.21	
15	10.17	12.11	63666.08	180.59	881.47	1743.99	614.27	143.04	23.96	8.38	5.31	4.21	
16	12.11	10.17	16355.25	726.74	4602.87	3742.83	514.88	131.46	23.96	8.38	4.21	8.38	
17	20.56	9.25	4392.88	580.21	5327.02	2355.82	444.98	149.01	23.96	10.17	4.65	31.68	
18	31.68	10.17	2317.41	379.95	3011.21	1743.99	368.73	137.19	23.96	14.50	4.65	63.27	
19	143.04	7.55	1248.74	304.78	2512.48	1306.33	325.45	126.63	23.96	29.54	5.31	51.39	
20	112.68	7.55	614.27	791.31	3888.43	1164.67	284.75	99.51	22.23	33.89	12.11	43.47	
21	43.47	10.17	379.95	2512.48	2166.79	1335.59	257.72	91.16	20.56	43.47	187.26	25.76	
22	25.76	6.02	266.29	2433.55	1365.16	1612.80	249.29	79.94	20.56	48.68	95.29	15.92	
23	15.92	6.02	216.91	1277.38	1056.95	1580.77	472.35	76.46	20.56	38.54	38.54	15.92	
24	12.11	5.31	180.59	881.47	1277.38	1220.40	705.80	73.05	20.56	27.62	22.23	15.92	
25	11.12	5.31	126.63	2394.54	3647.23	929.32	418.38	69.72	20.56	20.56	17.41	20.56	
26	10.17	13.15	99.51	3367.54	2394.54	1030.80	325.45	66.46	20.56	15.92	14.50	22.23	
27	11.12	20.56	99.51	14850.94	1777.55	1645.14	274.98	76.46	20.56	15.92	12.11	15.92	
28	12.11	18.95	108.20	6733.67	1306.33	2166.79	224.80	69.72	20.56	13.15	9.25	11.12	
29	91.16	23.96	274.98	3742.83	1004.96	1743.99	209.15	63.27	18.95	12.11		51.39	
30	126.63	103.81	346.77	6585.94	791.31	1248.74	224.80	63.27	17.41	10.17		294.68	
31		38.54		9308.72	726.74		294.68		17.41	9.25		117.25	
Total	3154.69	1091.20	102559.21	65067.57	106563.83	49391.57	20522.36	5509.99	1009.47	536.62	527.68	898.73	356832.92 Tonday
Mean	105.16	35.20	3418.64	2098.95	3437.54	1646.39	662.01	183.67	32.56	17.31	18.85	28.99	977.62 Ton/day
Max	1395.03	155.10	63666.08	14850.94	15594.44	3742.83	1710.73	667.09	69.72	48.68	187.26	294.68	63666.08 Ton/day
Min	2.04	5.31	7.55	103.81	726.74	929.32	209.15	63.27	17.41	8.38	3.03	4.21	2.04 Ton/day

WATER YEAR : 2021

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
Drainge 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	2021					
Number of observation	22					
R-Square	0.1924					
Remarks	Continued Sediment Station					

$$QS = 32.7029 QW^{0.55050}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	574.66	550.86	512.05	832.46	389.35	364.35	347.56	345.10	342.62	349.99	349.99	357.23	
2	574.66	432.40	531.74	827.97	417.49	392.11	340.15	347.56	345.10	369.60	359.62	366.71	
3	582.42	494.67	553.54	884.67	411.93	394.85	319.70	342.62	347.56	406.30	372.47	345.10	
4	587.54	534.51	471.34	834.77	409.12	389.35	330.06	342.62	342.62	394.85	352.42	362.01	
5	600.70	491.72	500.52	771.73	523.38	383.79	354.84	340.15	335.12	400.61	366.71	380.99	
6	613.96	488.76	517.74	731.07	587.54	369.60	347.56	335.12	340.15	386.58	364.35	359.62	
7	611.32	488.76	503.42	698.57	587.54	357.23	332.61	330.06	335.12	337.65	375.33	369.60	
8	616.58	500.52	579.84	632.13	572.06	345.10	322.32	327.49	337.65	337.65	375.33	340.15	
9	613.96	479.95	595.33	603.37	479.95	409.12	319.70	324.93	337.65	345.10	366.71	359.62	
10	600.70	482.80	598.02	619.19	468.44	509.19	311.76	322.32	332.61	342.62	357.23	383.79	
11	540.00	491.72	584.99	598.02	456.68	545.45	309.09	319.70	330.06	392.11	366.71	477.10	
12	526.18	500.52	526.18	587.54	523.38	637.25	319.70	317.09	335.12	392.11	357.23	474.22	
13	523.38	465.52	500.52	542.73	497.60	417.49	332.61	314.43	378.17	394.85	372.47	485.79	
14	528.97	485.79	517.74	534.51	512.05	378.17	340.15	314.43	372.47	394.85	372.47	471.34	
15	542.73	477.10	520.57	526.18	514.90	392.11	345.10	314.43	383.79	375.33	359.62	465.52	
16	542.73	528.97	553.54	542.73	542.73	579.84	352.42	314.43	378.17	349.99	352.42	482.80	
17	556.22	590.09	659.86	542.73	523.38	447.70	435.49	311.76	357.23	366.71	369.60	465.52	
18	520.57	606.03	634.69	497.60	520.57	441.63	444.67	309.09	314.43	400.61	359.62	471.34	
19	540.00	579.84	647.38	471.34	517.74	432.40	392.11	309.09	327.49	392.11	375.33	450.71	
20	534.51	595.33	637.25	453.70	450.71	392.11	383.79	314.43	330.06	392.11	364.35	420.25	
21	523.38	624.40	600.70	432.40	465.52	380.99	362.01	324.93	340.15	389.35	372.47	441.63	
22	488.76	598.02	561.54	435.49	456.68	375.33	386.58	335.12	357.23	397.74	372.47	438.57	
23	491.72	579.84	556.22	471.34	453.70	375.33	465.52	392.11	383.79	359.62	372.47	426.15	
24	488.76	577.26	587.54	465.52	394.85	389.35	528.97	378.17	392.11	349.99	366.71	441.63	
25	482.80	537.26	582.42	474.22	450.71	453.70	432.40	359.62	372.47	375.33	366.71	438.57	
26	485.79	520.57	626.98	577.26	474.22	392.11	380.99	354.84	397.74	359.62	366.71	438.57	
27	488.76	517.74	753.57	520.57	465.52	372.47	357.23	342.62	383.79	354.84	366.71	438.57	
28	494.67	523.38	801.38	435.49	414.72	364.35	352.42	347.56	357.23	364.35	364.35	429.28	
29	506.31	512.05	859.76	429.28	406.30	364.35	352.42	345.10	352.42	369.60		438.57	
30	479.95	528.97	808.09	380.99	420.25	406.30	352.42	345.10	352.42	364.35		441.63	
31		514.90		392.11	394.85		349.99		347.56	369.60		438.57	
Total	16262.69	16300.25	17884.46	17747.68	14703.86	12453.12	11302.34	10022.02	10940.10	11576.12	10238.58	13101.15	162532.37 Tonday
Mean	542.09	525.81	596.15	572.51	474.32	415.10	364.59	334.07	352.91	373.42	365.66	422.62	445.29 Ton/day
Max	616.58	624.40	859.76	884.67	587.54	637.25	528.97	392.11	397.74	406.30	375.33	485.79	884.67 Ton/day
Min	479.95	432.40	471.34	380.99	389.35	345.10	309.09	309.09	314.43	337.65	349.99	340.15	309.09 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	25		
R-Square	0.5858		
Remarks	Continued Sediment Station		

$$QS = 0.2952 QW^{1.44580}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	312.76	280.86	318.52	974.94	312.76	450.69	1191.69	868.34	184.25	176.48	170.89	176.48	
2	338.90	344.80	330.13	1085.26	260.30	500.19	1213.85	863.58	184.25	180.35	172.63	169.17	
3	321.39	347.78	365.71	1014.63	232.39	420.21	1332.18	821.16	180.35	174.55	174.55	170.89	
4	365.71	275.68	327.19	1147.77	270.52	375.03	1453.85	696.06	182.30	167.45	180.35	176.48	
5	413.66	309.88	333.03	1241.71	255.41	304.53	1477.40	666.78	178.41	164.02	184.25	157.23	
6	423.50	291.32	312.76	1075.08	236.94	230.13	1366.61	625.63	178.41	170.89	190.15	192.13	
7	621.56	227.87	344.80	926.01	350.73	188.17	1121.12	585.30	178.41	170.89	184.25	165.73	
8	532.83	212.26	378.20	887.43	413.66	167.45	935.73	511.00	182.30	192.13	184.25	172.63	
9	573.58	257.75	394.20	751.94	416.93	262.83	751.94	341.86	184.25	216.68	192.13	172.63	
10	633.79	273.08	447.22	609.40	341.86	844.65	633.79	283.45	184.25	196.10	184.25	174.55	
11	625.63	255.41	482.33	547.54	318.52	1602.89	554.94	296.59	182.30	192.13	184.25	170.89	
12	514.62	246.12	485.88	666.78	227.87	1933.24	629.71	286.07	180.35	180.35	182.30	169.17	
13	410.40	248.44	423.50	662.63	283.45	1657.64	802.52	234.66	176.48	186.21	174.55	162.31	
14	371.86	192.13	353.72	585.30	291.32	1153.23	858.84	223.37	172.63	178.41	169.17	162.31	
15	368.70	190.15	341.86	457.67	368.70	742.85	1070.00	198.10	170.89	162.31	172.63	184.25	
16	407.14	293.93	390.98	384.58	426.79	670.94	811.82	182.30	170.89	162.31	198.10	188.17	
17	475.24	333.03	461.17	387.78	381.39	960.18	858.84	176.48	178.41	165.73	194.11	210.22	
18	514.62	356.69	589.29	407.14	410.40	1180.67	1303.70	165.73	186.21	180.35	178.41	234.66	
19	500.19	397.42	601.33	324.31	371.86	1100.58	1506.99	152.20	180.35	178.41	178.41	275.68	
20	482.33	362.68	577.33	324.31	420.21	999.69	1453.85	167.45	176.48	180.35	192.13	384.58	
21	468.19	371.86	573.58	309.88	353.72	830.53	1292.36	165.73	174.55	188.17	210.22	378.20	
22	368.70	464.67	507.39	257.75	304.53	821.16	1126.27	202.11	164.02	221.14	202.11	390.98	
23	315.62	454.18	454.18	347.78	324.31	654.35	1343.63	218.91	164.02	198.10	234.66	390.98	
24	267.94	420.21	416.93	426.79	301.89	882.65	1743.91	194.11	167.45	172.63	216.68	362.68	
25	280.86	378.20	436.85	436.85	230.13	1286.70	1958.94	198.10	170.89	172.63	218.91	270.52	
26	243.82	507.39	433.41	482.33	216.68	1512.93	1812.63	210.22	169.17	174.55	216.68	236.94	
27	283.45	420.21	489.45	734.27	255.41	1436.27	1518.88	200.10	180.35	178.41	202.11	223.37	
28	270.52	344.80	662.63	761.06	384.58	1298.03	1418.76	186.21	190.15	169.17	188.17	216.68	
29	304.53	307.22	892.23	493.02	464.67	1258.53	1343.63	194.11	182.30	170.89		218.91	
30	296.59	347.78	877.87	335.98	543.85	1213.85	1258.53	186.21	174.55	184.25		225.62	
31		338.90		301.89	511.00		1034.66		178.41	172.63		260.30	
Total	12308.63	10052.70	14003.67	19349.81	10482.78	26940.79	37181.57	10301.92	5508.03	5578.67	5331.30	7045.34	164085.21 Ton/day
Mean	410.29	324.28	466.79	624.19	338.15	898.03	1199.41	343.40	177.68	179.96	190.40	227.27	449.55 Ton/day
Max	633.79	507.39	892.23	1241.71	543.85	1933.24	1958.94	868.34	190.15	221.14	234.66	390.98	1958.94 Ton/day
Min	243.82	190.15	312.76	257.75	216.68	167.45	554.94	152.20	164.02	162.31	169.17	157.23	152.20 Ton/day

WATER YEAR : 2021

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 Phittaya 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	2021		
Number of observation	21		
R-Square	0.6761		
Remarks	Continued Sediment Station		

$$QS = 6.0007 QW^{0.95160}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	565.08	574.32	626.55	1117.40	696.86	963.46	3166.16	2718.07	589.71	454.10	432.44	444.83	
2	583.55	562.00	605.07	1199.06	666.33	935.03	3183.34	2700.91	577.40	451.02	429.32	423.11	
3	611.21	644.93	611.21	1257.57	635.74	959.93	3217.70	2709.49	568.16	454.10	426.24	407.60	
4	608.14	666.33	629.61	1241.99	623.48	1019.30	3273.46	2666.63	562.00	447.91	426.24	515.75	
5	654.10	611.21	608.14	1341.92	644.93	1041.98	3303.50	2576.93	555.83	429.32	432.44	565.08	
6	693.81	614.28	605.07	1374.51	629.61	1030.64	3312.08	2496.11	546.58	423.11	444.83	620.41	
7	739.48	592.78	598.93	1261.44	644.93	895.90	3230.55	2411.58	509.61	432.44	444.83	429.32	
8	853.09	518.85	623.48	1163.93	757.70	804.06	3105.98	2322.63	521.90	466.46	432.44	407.60	
9	822.75	503.45	654.10	1136.52	819.64	878.05	2959.57	2150.74	491.14	497.30	435.52	410.68	
10	856.63	546.58	675.50	1015.52	804.06	1265.35	2773.85	1963.26	491.14	488.08	447.91	410.68	
11	906.56	565.08	730.35	885.18	724.27	2083.03	2636.72	1819.05	484.97	466.46	441.71	410.68	
12	888.77	528.04	760.74	856.63	647.99	2619.62	2611.07	1766.83	481.91	457.21	438.64	410.68	
13	791.60	503.45	766.81	938.61	562.00	2778.20	2765.20	1702.45	481.91	444.83	435.52	407.60	
14	706.00	494.24	718.18	945.72	592.78	2718.07	2856.00	1557.14	472.64	451.02	426.24	398.79	
15	666.33	466.46	657.16	863.78	623.48	2436.95	2907.81	1451.76	466.46	441.71	413.81	401.65	
16	657.16	441.71	651.05	785.36	699.91	2229.55	2925.06	1378.59	463.39	416.90	423.11	426.24	
17	699.91	549.66	699.91	763.77	751.63	2263.26	2890.54	1280.92	463.39	413.81	463.39	438.64	
18	760.74	592.78	769.84	772.87	739.48	2432.70	2959.57	1202.99	472.64	420.03	451.02	466.46	
19	791.60	626.55	870.92	785.36	739.48	2513.04	3088.77	1167.81	481.91	438.64	432.44	497.30	
20	782.24	657.16	874.51	727.31	733.40	2508.75	3136.05	1091.03	469.57	435.52	438.64	562.00	
21	766.81	638.80	863.78	715.14	745.55	2470.76	3105.98	967.03	460.28	441.71	457.21	666.33	
22	733.40	651.05	835.19	669.39	681.60	2496.11	3006.95	867.37	454.10	460.28	475.74	678.55	
23	660.22	724.27	785.36	635.74	635.74	2424.24	2972.48	845.94	441.71	497.30	475.74	690.76	
24	592.78	727.31	736.44	724.27	641.86	2398.86	3075.84	791.60	444.83	475.74	500.40	687.71	
25	543.49	702.95	699.91	828.97	592.78	2615.34	3179.03	641.86	447.91	438.64	488.08	654.10	
26	543.49	681.60	702.95	924.38	515.75	2907.81	3204.80	641.86	447.91	429.32	488.08	562.00	
27	512.70	751.63	709.05	1098.57	503.45	3080.16	3123.18	657.16	447.91	432.44	484.97	512.70	
28	537.31	709.05	763.77	1301.13	595.85	3105.98	3006.95	635.74	447.91	429.32	488.08	488.08	
29	534.22	644.93	927.92	1265.35	760.74	3110.26	2899.17	614.28	451.02	423.11		478.81	
30	565.08	605.07	1075.95	989.02	867.37	3148.97	2830.08	608.14	451.02	426.24		481.91	
31		629.61		782.24	967.03		2786.85		454.10	441.71		497.30	
Total	20628.25	18726.13	21837.45	30368.65	21245.42	62135.36	93494.29	46405.90	15100.96	13825.78	12575.03	15453.35	371796.57 Ton/day
Mean	687.61	604.07	727.92	979.63	685.34	2071.18	3015.94	1546.86	487.13	445.99	449.11	498.50	1018.62 Ton/day
Max	906.56	751.63	1075.95	1374.51	967.03	3148.97	3312.08	2718.07	589.71	497.30	500.40	690.76	3312.08 Ton/day
Min	512.70	441.71	598.93	635.74	503.45	804.06	2611.07	608.14	441.71	413.81	413.81	398.79	398.79 Ton/day

WATER YEAR : 2021

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	2021				
Number of observation	21				
R-Square	0.6337				
Remarks	Continued Sediment Station				

$$QS = 3.0343 QW^{1.08460}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	358.98	572.68	551.61	1041.39	786.78	1022.98	4599.88	4176.56	633.49	351.01	319.33	367.01	
2	358.98	605.98	542.58	1108.23	682.71	1067.26	4640.38	4076.72	609.02	348.35	311.44	348.35	
3	375.25	587.75	518.70	1199.56	633.49	1157.33	4660.74	4138.70	581.75	343.06	314.08	321.94	
4	386.23	645.73	536.56	1222.67	602.95	1253.60	4715.01	4138.70	560.60	337.78	311.44	308.98	
5	372.52	605.98	548.60	1242.02	596.84	1338.79	4728.55	4076.72	515.75	335.12	314.08	306.58	
6	337.78	557.59	533.61	1343.02	599.87	1372.64	4721.78	3979.38	483.12	321.94	316.68	308.98	
7	324.59	551.61	527.65	1330.33	581.75	1321.86	4715.01	3864.63	489.03	311.44	329.85	306.58	
8	321.94	512.75	518.70	1226.56	621.22	1176.50	4599.88	3743.84	468.52	321.94	324.59	324.59	
9	327.24	454.01	533.61	1141.96	729.42	1138.14	4421.04	3535.13	442.44	356.31	314.08	306.58	
10	351.01	439.58	554.57	1082.13	786.78	1338.79	4247.22	3259.43	436.67	389.02	316.68	306.58	
11	343.06	477.21	609.02	989.91	754.85	1908.42	4112.41	2924.12	442.44	372.52	324.59	304.12	
12	319.33	486.10	664.15	893.02	679.59	2862.14	4068.01	2625.63	477.21	369.79	327.24	308.98	
13	304.12	454.01	701.25	886.25	587.75	3399.25	4093.35	2417.42	428.05	369.79	329.85	301.72	
14	343.06	439.58	710.57	931.33	521.70	3492.85	4157.31	2147.55	416.63	367.01	329.85	299.27	
15	351.01	419.39	661.09	916.73	539.57	3522.46	4182.98	1936.40	402.78	343.06	324.59	287.14	
16	337.78	351.01	615.14	842.52	587.75	3307.39	4099.65	1775.50	389.02	329.85	321.94	291.98	
17	324.59	372.52	618.18	780.33	664.15	3172.62	4157.31	1592.93	378.03	308.98	340.44	319.33	
18	327.24	468.52	664.15	770.75	707.50	3226.32	4247.22	1448.46	383.50	314.08	372.52	327.24	
19	364.29	512.75	748.47	773.94	710.57	3364.38	4363.04	1330.91	405.58	308.98	353.68	364.29	
20	364.29	551.61	826.10	777.14	698.19	3446.00	4466.19	1233.81	386.23	321.94	348.35	397.29	
21	358.98	569.66	816.27	713.69	710.57	3534.28	4512.19	1117.78	375.25	321.94	358.98	483.12	
22	345.73	560.60	829.41	695.07	707.50	3660.66	4485.55	993.06	367.01	332.51	383.50	569.66	
23	332.51	584.72	783.53	636.54	645.73	3648.35	4433.93	904.56	356.31	356.31	394.50	596.84	
24	324.59	645.73	726.25	633.49	605.98	3642.23	4446.83	884.10	345.73	386.23	402.78	621.22	
25	314.08	654.93	673.42	729.42	605.98	3803.28	4485.55	833.70	343.06	367.01	411.08	615.14	
26	337.78	642.68	639.58	839.26	554.57	4157.31	4518.94	737.35	345.73	329.85	402.78	566.64	
27	380.76	636.54	642.68	960.59	483.12	4427.48	4498.75	679.24	364.29	321.94	397.29	474.33	
28	391.76	664.15	654.93	1168.80	471.40	4579.60	4421.04	663.05	348.35	321.94	389.02	419.39	
29	380.76	627.35	751.66	1326.09	587.75	4586.36	4324.40	619.48	361.61	316.68		394.50	
30	337.78	554.57	924.03	1245.86	764.42	4586.36	4247.22	594.90	361.61	301.72		391.76	
31		527.65		989.91	906.56		4195.82		358.98	308.98		391.76	
Total	10398.02	16734.94	19626.07	30438.51	20117.01	84515.63	136567.18	66449.76	13257.79	10487.08	9685.23	11931.89	430209.11 Ton/day
Mean	346.60	539.84	654.20	981.89	648.94	2817.19	4405.39	2214.99	427.67	338.29	345.90	384.90	1178.66 Ton/day
Max	391.76	664.15	924.03	1343.02	906.56	4586.36	4728.55	4176.56	633.49	389.02	411.08	621.22	4728.55 Ton/day
Min	304.12	351.01	518.70	633.49	471.40	1022.98	4068.01	594.90	343.06	301.72	311.44	287.14	287.14 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	9		
R-Square	0.1034		
Remarks	Continued Sediment Station		

$$QS = 19321.6714 QW^{-0.68990}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	577.18	734.32	608.53	331.32	1029.94	1161.98	1880.43	1771.71	1594.14	1395.39	2078.72	1292.82	
2	538.50	712.51	644.34	319.71	1074.92	1143.15	1634.38	1824.09	1556.25	1245.32	1161.98	2156.93	
3	560.97	618.27	741.99	297.29	989.21	1424.27	2156.93	1634.38	1367.90	1395.39	1268.44	1245.32	
4	520.96	623.29	705.57	309.84	719.59	1107.75	1424.27	1677.19	2903.41	989.21	1245.32	1015.88	
5	507.89	741.99	749.81	358.04	557.08	1223.05	1395.39	2234.63	1634.38	1424.27	2078.72	1454.66	
6	564.92	712.51	719.59	439.29	581.42	1454.66	1722.86	4058.59	1677.19	2156.93	1594.14	1268.44	
7	531.30	698.82	549.52	486.83	557.08	1268.44	1424.27	1941.24	1634.38	1771.71	1316.71	2515.91	
8	534.88	757.88	517.60	531.30	841.59	1201.88	1941.24	2319.56	2156.93	1556.25	1454.66	1594.14	
9	495.59	719.59	517.60	524.34	712.51	871.40	2412.85	1824.09	2758.70	2234.63	2078.72	1143.15	
10	623.29	712.51	534.88	504.73	814.16	749.81	3258.07	1771.71	2078.72	952.30	1292.82	719.59	
11	719.59	734.32	623.29	531.30	655.53	511.07	1771.71	2319.56	1824.09	1161.98	2078.72	805.50	
12	741.99	772.97	741.99	545.82	673.27	1029.94	1594.14	2234.63	1771.71	1341.71	1223.05	851.25	
13	685.75	780.80	679.42	577.18	655.53	2234.63	1245.32	2319.56	2156.93	1074.92	1367.90	939.62	
14	698.82	788.83	661.33	628.41	623.29	1059.44	1880.43	2319.56	1143.15	1556.25	1454.66	952.30	
15	673.27	655.53	618.27	613.35	772.97	564.92	1520.49	2078.72	1341.71	1722.86	2007.10	797.06	
16	603.79	534.88	444.06	618.27	726.88	871.40	1594.14	2515.91	1824.09	1486.68	1367.90	851.25	
17	673.27	560.97	453.98	765.34	788.83	1029.94	1634.38	2758.70	2234.63	1181.45	2078.72	892.77	
18	719.59	534.88	469.94	757.88	780.80	915.46	1594.14	3068.25	1677.19	1454.66	1201.88	1044.38	
19	560.97	531.30	486.83	757.88	915.46	1395.39	1722.86	1824.09	1941.24	1074.92	1634.38	1074.92	
20	628.41	557.08	478.45	1002.38	757.88	927.35	1722.86	1520.49	1245.32	1245.32	2234.63	952.30	
21	726.88	564.92	531.30	1029.94	915.46	1454.66	2156.93	1824.09	1268.44	989.21	2007.10	927.35	
22	679.42	542.19	594.59	881.93	952.30	1677.19	3068.25	1880.43	952.30	1161.98	1722.86	1292.82	
23	749.81	549.52	538.50	892.77	1015.88	1091.09	1341.71	1824.09	952.30	2234.63	1486.68	1029.94	
24	805.50	633.60	531.30	881.93	881.93	1029.94	1454.66	2007.10	1634.38	1341.71	1268.44	1044.38	
25	757.88	633.60	507.89	734.32	788.83	1223.05	1941.24	1395.39	952.30	1556.25	1424.27	989.21	
26	685.75	712.51	418.78	608.53	757.88	1594.14	2007.10	2319.56	1201.88	1486.68	1677.19	1107.75	
27	741.99	719.59	337.88	915.46	903.94	1367.90	1824.09	1556.25	2007.10	1341.71	1771.71	1268.44	
28	661.33	705.57	305.18	1074.92	1044.38	861.18	2319.56	2319.56	1880.43	1181.45	1677.19	1044.38	
29	823.06	618.27	314.68	1074.92	1074.92	1059.44	1556.25	1941.24	1722.86	1316.71		976.55	
30	841.59	749.81	326.28	1143.15	1245.32	1556.25	2412.85	1824.09	1771.71	1722.86		1268.44	
31		649.89		1059.44	1125.17		2007.10		2234.63	1316.71		1044.38	
Total	19634.14	20562.72	16353.37	21197.81	25933.95	35060.77	57620.90	62908.46	53100.39	44072.05	45254.61	35561.83	437261.00 Tonday
Mean	654.47	663.31	545.11	683.80	836.58	1168.69	1858.74	2096.95	1712.92	1421.68	1616.24	1147.16	1197.98 Ton/day
Max	841.59	788.83	749.81	1143.15	1245.32	2234.63	3258.07	4058.59	2903.41	2234.63	2234.63	2515.91	4058.59 Ton/day
Min	495.59	531.30	305.18	297.29	557.08	511.07	1245.32	1395.39	952.30	952.30	1161.98	719.59	297.29 Ton/day

WATER YEAR : 2021**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	2021					
Number of observation	24					
R-Square	0.8930					
Remarks	Continued Sediment Station					

$$QS = 1.2821 QW^{1.63440}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.47	696.96	35.13	11.41	256.12	541.02	3484.32	946.73	44.00	16.82	9.38	8.62	
2	3.47	197.17	26.91	18.09	233.59	1503.97	2617.06	613.74	42.85	16.25	9.11	6.58	
3	3.72	136.86	21.29	11.41	151.00	2349.74	2481.21	724.47	40.58	15.92	8.89	7.10	
4	3.60	185.76	17.80	10.12	178.30	2514.52	1695.31	473.58	38.36	15.64	8.41	6.74	
5	3.85	141.52	15.31	8.62	498.78	3956.13	1272.46	473.58	36.19	15.31	8.62	6.74	
6	93.53	58.81	13.59	8.41	260.72	3295.54	1209.01	356.65	34.60	14.76	8.62	6.58	
7	63.03	35.66	12.21	9.11	304.60	1718.57	981.25	309.52	33.03	14.44	8.62	6.23	
8	27.39	28.78	11.12	15.31	193.34	1401.19	857.84	287.10	32.08	13.86	8.41	19.39	
9	23.39	22.17	12.21	103.70	128.12	6197.86	628.53	240.26	31.57	13.59	8.02	28.29	
10	26.03	18.74	11.66	106.02	90.23	5458.40	551.13	208.84	30.63	13.33	7.64	24.70	
11	18.38	17.16	23.84	70.02	70.91	4306.93	1001.19	187.65	30.13	13.02	7.64	15.31	
12	25.16	20.92	16.82	55.79	57.25	5509.50	1952.75	169.15	29.70	12.76	7.47	11.12	
13	15.92	15.04	17.80	40.58	169.15	2944.71	1858.18	151.00	28.78	12.46	7.47	9.11	
14	66.49	17.45	20.12	41.15	78.22	2972.22	1219.80	136.86	28.29	11.96	7.31	8.89	
15	16.53	30.63	58.81	55.79	93.53	2744.59	981.25	126.62	27.81	11.66	7.64	8.89	
16	19.39	51.51	101.41	524.48	94.64	2808.61	1401.19	115.36	26.91	11.12	10.36	8.23	
17	40.58	27.81	75.44	380.98	174.62	4271.24	5381.28	106.02	26.03	11.12	11.96	7.47	
18	183.89	28.29	52.92	272.36	106.02	3785.10	3069.10	103.70	25.16	10.88	11.66	7.47	
19	201.03	71.81	37.27	197.17	73.62	3224.33	2274.34	103.70	24.30	10.64	12.76	16.82	
20	98.00	34.07	31.57	146.23	116.80	3557.70	1891.88	93.53	23.84	10.12	13.59	9.61	
21	84.83	35.13	26.50	151.00	101.41	3853.35	1332.49	89.14	23.39	9.84	14.17	33.55	
22	54.35	46.68	20.49	119.59	68.25	4042.75	1113.61	81.97	23.00	10.64	33.55	25.56	
23	31.57	70.02	16.82	440.57	59.65	2317.31	1026.33	77.29	21.73	11.12	22.55	15.92	
24	29.20	50.81	14.44	720.55	55.79	5064.60	813.27	71.81	21.73	12.46	16.25	15.31	
25	27.39	294.50	12.46	1782.80	66.49	13411.55	665.84	66.49	21.29	12.76	13.59	11.96	
26	19.03	214.78	11.66	1970.44	107.18	11091.80	567.99	62.18	20.49	13.33	11.96	10.88	
27	24.70	101.41	10.88	1510.48	123.76	11682.53	495.60	57.25	19.69	12.21	10.64	10.12	
28	56.52	51.51	10.36	830.78	206.88	7438.55	449.29	53.63	19.03	11.96	10.36	9.61	
29	81.97	129.50	10.12	406.14	296.93	5638.88	440.57	50.11	18.09	11.41		12.46	
30	57.25	72.71	9.61	240.26	292.09	3801.88	782.97	46.68	17.80	10.36		38.36	
31		45.33		214.78	602.97		1103.20		17.16	9.84		28.78	
Total	1403.66	2949.50	756.57	10474.14	5310.96	133405.07	45600.24	6584.61	858.24	391.59	316.65	436.40	208487.63 Tonday
Mean	46.79	95.15	25.22	337.88	171.32	4446.84	1470.98	219.49	27.69	12.63	11.31	14.08	571.20 Ton/day
Max	201.03	696.96	101.41	1970.44	602.97	13411.55	5381.28	946.73	44.00	16.82	33.55	38.36	13411.55 Ton/day
Min	3.47	15.04	9.61	8.41	55.79	541.02	440.57	46.68	17.16	9.84	7.31	6.23	3.47 Ton/day

WATER YEAR : 2021

NAN RIVER BASIN

Nam Khwae Noi 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
Drainage Area	1,663 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	2021		
Number of observation	12		
R-Square	0.9198		
Remarks	Continued Sediment Station		

$$QS = 2.8444 QW^{1.39780}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	57.57	21.85	19.89	377.68	463.14	714.53	222.48	13.52	10.99	0.00	0.00	
2	0.00	88.96	10.18	42.92	287.01	613.04	664.83	278.76	12.66	11.82	0.00	0.00	
3	0.00	84.54	5.78	23.86	200.67	724.51	630.54	159.03	11.82	10.18	0.00	0.00	
4	0.00	67.44	3.84	11.82	244.65	968.75	542.53	97.76	12.66	8.62	0.00	0.00	
5	0.00	38.18	2.19	7.92	358.48	2689.39	405.61	73.99	11.82	7.18	0.00	0.00	
6	5.78	33.52	0.48	5.11	250.03	2786.29	312.90	61.83	10.99	8.62	0.00	0.00	
7	3.25	16.19	1.69	5.11	149.00	1258.49	235.93	55.62	10.99	8.62	0.00	0.00	
8	31.22	10.99	2.73	15.28	132.24	922.47	197.60	51.13	11.82	7.18	0.00	0.00	
9	44.83	13.52	16.19	151.22	114.80	975.86	160.28	47.90	11.82	5.78	0.00	0.00	
10	30.12	8.62	17.04	274.67	74.49	2404.67	135.09	43.18	11.82	6.47	0.00	0.00	
11	19.89	7.18	26.90	181.71	55.99	1753.06	143.51	40.95	10.99	7.92	0.00	0.00	
12	30.12	4.46	49.96	120.07	47.20	1148.25	326.77	39.01	10.99	7.92	0.00	0.00	
13	23.86	2.73	61.35	77.93	45.52	1094.23	538.81	35.05	9.39	6.47	0.00	0.00	
14	25.93	3.25	50.32	70.69	48.17	955.40	473.17	33.52	10.99	5.11	0.00	0.00	
15	26.90	4.46	127.52	72.88	53.32	916.09	284.94	31.22	10.99	5.11	0.00	0.00	
16	18.93	5.11	192.04	115.71	73.38	792.33	225.65	27.96	10.99	5.11	0.00	0.00	
17	10.99	3.25	167.72	151.22	97.00	735.70	505.69	26.90	10.18	3.84	0.00	0.48	
18	31.22	6.47	140.37	135.09	109.93	694.49	679.52	25.93	8.62	2.73	2.19	4.46	
19	77.93	5.11	110.72	145.70	104.35	625.74	558.90	24.89	7.92	4.46	0.48	5.11	
20	73.99	3.84	68.03	115.71	79.16	635.36	440.44	24.89	9.39	7.92	0.18	4.46	
21	60.59	3.84	36.61	94.30	62.69	645.20	301.60	23.86	8.62	8.62	3.84	6.47	
22	41.89	3.84	15.28	102.69	57.57	596.23	209.94	21.85	9.39	13.52	17.98	9.39	
23	11.82	5.11	10.18	219.33	48.17	579.56	176.67	19.89	9.39	17.98	10.99	13.52	
24	7.92	10.99	9.39	563.01	35.87	600.42	151.22	18.93	9.39	17.04	1.69	16.19	
25	5.78	6.47	9.39	752.56	49.24	645.20	121.92	17.98	9.39	7.92	0.00	15.28	
26	2.73	17.04	7.18	962.07	213.06	955.40	97.76	17.04	10.18	0.82	0.00	11.82	
27	8.62	8.62	5.78	1498.18	274.67	1067.50	83.29	16.19	11.82	0.00	0.00	9.39	
28	17.04	10.18	7.18	1040.96	149.00	1019.05	72.88	16.19	13.52	0.00	0.00	6.47	
29	32.00	20.86	10.18	857.60	130.34	948.95	66.36	16.19	10.99	0.00		7.92	
30	53.68	32.72	10.18	699.44	165.19	809.55	72.28	14.39	10.18	0.00		15.28	
31		40.28		531.40	383.28		99.07		10.18	0.00		30.12	
Total	697.03	625.34	1198.25	9066.05	4472.15	31024.32	9630.23	1584.51	333.42	207.95	37.35	156.36	59032.96 Tonday
Mean	23.23	20.17	39.94	292.45	144.26	1034.14	310.65	52.82	10.76	6.71	1.33	5.04	161.73 Ton/day
Max	77.93	88.96	192.04	1498.18	383.28	2786.29	714.53	278.76	13.52	17.98	17.98	30.12	2786.29 Ton/day
Min	0.00	2.73	0.48	5.11	35.87	463.14	66.36	14.39	7.92	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021

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
Drainage Area	972 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	2021		
Number of observation	14		
R-Square	0.8049		
Remarks	Continued Sediment Station		

$$QS = 0.9902 QW^{1.51530}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	198.12	277.39	286.62	65.49	11.35	4.97	0.00	3.03	
2	0.00	0.00	0.00	0.00	156.98	272.82	298.77	67.88	11.35	4.97	0.00	2.68	
3	0.00	0.00	0.00	0.00	134.94	284.25	321.33	50.54	10.80	4.56	0.00	2.35	
4	0.00	0.00	0.00	0.00	143.33	326.49	293.77	42.60	10.26	4.16	0.00	2.35	
5	0.00	0.00	0.00	0.00	88.26	438.58	241.72	39.72	9.74	4.56	0.00	2.35	
6	0.00	0.00	0.00	6.27	43.57	531.74	182.69	44.55	9.19	4.56	0.00	2.35	
7	0.00	0.00	0.00	10.80	31.56	477.76	155.30	41.63	9.19	4.16	0.00	2.35	
8	0.00	0.00	0.00	31.56	25.99	374.05	151.80	38.77	9.19	4.16	0.00	4.97	
9	0.00	0.00	39.72	33.32	20.13	410.06	151.80	36.04	8.68	4.16	0.00	5.82	
10	0.00	0.00	44.55	19.43	15.49	585.56	113.54	33.32	8.68	4.16	3.78	3.38	
11	0.00	0.00	49.51	15.49	13.07	648.85	107.72	34.22	8.68	4.16	3.38	3.03	
12	0.00	0.00	22.26	12.50	11.90	692.08	202.04	34.22	8.18	3.78	3.03	2.68	
13	0.00	0.00	11.35	9.19	11.35	634.61	321.33	31.56	8.18	3.38	3.03	2.35	
14	0.00	0.00	28.35	13.07	12.50	538.37	306.23	25.99	8.18	3.38	2.35	2.35	
15	0.00	0.00	71.58	25.27	34.22	483.90	226.79	23.75	8.18	3.38	4.56	2.04	
16	0.00	0.00	63.07	24.50	69.08	459.35	200.12	23.00	7.70	3.03	5.82	2.68	
17	0.00	0.00	29.15	80.44	46.48	483.90	385.05	22.26	7.22	3.03	4.16	2.04	
18	0.00	0.00	14.25	45.54	32.44	505.88	347.18	20.85	7.22	3.03	3.78	2.04	
19	0.00	0.00	0.00	25.27	23.00	561.80	263.84	20.13	6.72	2.68	3.78	5.82	
20	0.00	0.00	0.00	34.22	18.73	613.39	198.12	20.13	6.72	0.00	14.25	4.16	
21	0.00	0.00	0.00	45.54	16.73	599.42	153.55	20.13	6.72	0.00	48.50	3.78	
22	0.00	0.00	0.00	92.30	14.25	538.37	164.01	19.43	6.72	0.00	25.99	4.16	
23	0.00	0.00	0.00	175.13	11.90	531.74	178.90	18.73	7.22	0.00	10.26	6.72	
24	0.00	0.00	0.00	206.08	9.19	499.51	139.92	18.73	6.72	0.00	7.70	4.97	
25	0.00	0.00	0.00	200.12	59.60	568.42	110.61	17.40	6.72	0.00	6.72	10.26	
26	0.00	0.00	0.00	339.29	138.31	592.41	90.97	16.73	6.27	0.00	6.27	6.27	
27	0.00	0.00	0.00	456.21	119.46	515.42	76.59	16.11	6.72	0.00	6.27	4.56	
28	0.00	0.00	0.00	357.92	85.65	459.35	65.49	14.84	5.82	0.00	5.82	3.38	
29	0.00	0.00	0.00	259.35	72.80	412.86	58.39	13.07	5.82	0.00		3.78	
30	0.00	0.00	0.00	239.58	182.69	347.18	55.00	11.90	5.39	0.00		4.16	
31		0.00		208.12	266.05		51.63		5.39	0.00		3.38	
Total	0.00	0.00	373.79	2966.51	2107.77	14665.51	5900.82	883.72	244.92	74.27	169.45	116.24	27503.00 Tonday
Mean	0.00	0.00	12.46	95.69	67.99	488.85	190.35	29.46	7.90	2.40	6.05	3.75	75.35 Ton/day
Max	0.00	0.00	71.58	456.21	266.05	692.08	385.05	67.88	11.35	4.97	48.50	10.26	692.08 Ton/day
Min	0.00	0.00	0.00	0.00	9.19	272.82	51.63	11.90	5.39	0.00	0.00	2.04	0.00 Ton/day

WATER YEAR : 2021

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
Drainage Area	316 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	2021		
Number of observation	19		
R-Square	0.8534		
Remarks	Continued Sediment Station		

$$QS = 14.0087 QW^{1.91960}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.02	0.11	11.69	0.11	150.10	2100.58	1373.54	135.38	4.92	4.92	1.22	3.70	
2	0.02	0.11	7.66	0.09	108.15	1897.95	1400.27	121.40	4.92	4.92	1.22	3.70	
3	0.02	0.09	4.92	0.09	99.03	2942.37	624.60	114.68	4.92	4.92	1.22	3.70	
4	0.02	0.09	2.41	0.09	60.35	3005.41	486.86	101.80	5.77	4.45	1.67	4.14	
5	0.02	0.09	1.39	0.09	36.63	1742.96	330.55	92.95	7.06	4.45	3.02	4.45	
6	0.02	0.06	1.22	0.06	43.76	1667.83	300.66	80.71	8.27	4.45	3.70	4.92	
7	0.02	0.06	24.22	0.06	32.89	2184.38	257.84	73.41	7.66	4.45	3.70	4.92	
8	0.02	0.06	150.10	23.18	31.29	1781.11	257.84	64.19	7.66	4.45	4.14	4.92	
9	0.02	0.06	48.51	71.05	21.17	1481.95	257.84	51.98	7.66	4.14	4.14	4.45	
10	0.02	0.04	23.18	14.83	13.21	1243.59	257.84	47.06	7.06	4.14	4.14	4.45	
11	0.02	0.04	13.21	20.20	11.69	1144.09	354.17	41.01	7.06	4.14	3.70	4.14	
12	0.02	0.04	5.77	20.20	14.01	1594.29	285.66	34.12	8.27	4.14	3.70	4.14	
13	0.03	0.04	3.70	14.01	13.21	1347.06	278.86	28.97	7.66	4.14	3.42	4.14	
14	0.04	0.04	1.67	16.53	14.83	1168.59	278.86	24.22	7.66	3.70	3.42	4.14	
15	0.04	0.06	0.98	9.57	237.61	1008.56	278.86	21.17	7.66	3.70	3.42	4.14	
16	0.03	0.06	0.47	19.25	78.24	1193.34	525.84	16.53	7.06	3.70	4.45	4.14	
17	0.03	0.06	0.28	0.01	42.37	1373.54	668.43	15.67	7.06	3.42	24.22	4.45	
18	0.06	0.04	0.24	4.14	11.69	1294.83	272.13	14.01	7.06	3.42	15.67	4.45	
19	0.11	0.04	0.20	0.00	10.96	1243.59	223.21	13.21	7.66	3.42	19.25	4.45	
20	0.09	0.04	0.20	2.41	7.66	1294.83	278.86	12.44	7.66	3.02	14.01	5.77	
21	0.06	0.04	0.14	0.83	6.68	1119.84	278.86	11.69	7.66	2.77	14.83	18.32	
22	0.04	0.03	0.11	0.47	4.14	1119.84	278.86	10.25	7.06	2.41	11.69	23.18	
23	0.04	0.03	0.09	0.20	3.02	1029.53	272.13	8.91	7.06	2.19	9.57	21.17	
24	0.17	0.06	0.09	0.00	4.45	946.91	272.13	7.66	6.68	2.19	8.27	19.25	
25	0.09	0.42	0.06	0.00	10.96	926.77	272.13	7.06	6.13	1.87	6.13	18.32	
26	0.09	0.42	0.06	1168.59	24.22	1347.06	272.13	6.13	6.13	1.67	4.14	17.41	
27	0.06	5.25	0.09	99.03	48.51	1481.95	264.39	6.13	5.77	1.39	4.14	17.41	
28	0.04	34.12	0.09	394.38	71.05	1269.09	264.39	5.77	5.77	1.39	3.70	16.53	
29	0.32	30.12	0.09	214.19	66.44	1144.09	257.84	5.25	5.25	1.22		16.53	
30	0.37	19.25	0.06	125.21	51683.60	829.20	252.44	5.25	5.25	1.22		17.41	
31		15.67		128.30	1072.08		248.16		4.92	1.22		17.41	
Total	1.95	106.64	302.90	2347.17	54034.00	43925.13	11926.18	1179.01	208.39	101.63	185.90	290.25	114609.15 Tonday
Mean	0.07	3.44	10.10	75.72	1743.03	1464.17	384.72	39.30	6.72	3.28	6.64	9.36	314.00 Ton/day
Max	0.37	34.12	150.10	1168.59	51683.60	3005.41	1400.27	135.38	8.27	4.92	24.22	23.18	51683.60 Ton/day
Min	0.02	0.03	0.06	0.00	3.02	829.20	223.21	5.25	4.92	1.22	1.22	3.70	0.00 Ton/day

WATER YEAR : 2021

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
Drainage 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	2021		
Number of observation	16		
R-Square	0.9697		
Remarks	Continued Sediment Station		

$$QS = 3.8221 QW^{1.53320}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	10.89	0.00	8.31	34.13	26.66	239.46	159.28	2.41	0.25	1.84	0.00	
2	0.00	9.49	0.00	6.61	17.13	66.61	114.43	68.36	2.21	0.21	1.93	0.00	
3	0.00	7.63	0.00	3.48	12.18	379.06	135.50	16.44	2.12	0.13	2.56	0.00	
4	0.00	5.99	0.00	2.26	120.41	591.45	63.31	11.32	2.07	0.08	1.97	0.00	
5	0.00	4.86	0.00	1.79	32.51	1537.32	38.35	9.01	1.93	0.13	1.97	0.00	
6	0.00	0.00	0.00	4.86	13.71	591.45	39.40	7.78	1.44	0.10	1.97	1.20	
7	0.00	0.00	0.00	1.32	9.17	221.43	31.04	6.97	1.40	0.10	2.21	2.26	
8	0.00	0.00	0.00	28.76	24.17	199.00	38.35	6.33	1.24	0.15	2.12	2.98	
9	0.00	0.00	0.00	151.42	9.65	2451.61	21.34	5.78	1.16	0.54	1.97	2.66	
10	0.00	0.00	0.00	55.26	6.47	809.97	15.01	5.32	1.05	0.54	0.00	1.84	
11	0.00	0.00	0.00	16.05	5.45	267.69	61.61	4.99	0.57	0.54	0.00	1.53	
12	0.00	0.00	0.00	7.34	4.74	571.27	531.65	4.74	0.83	0.54	0.00	1.28	
13	0.00	0.00	0.00	4.99	5.18	159.28	451.42	4.55	0.73	0.51	0.00	0.94	
14	0.00	0.00	0.00	33.13	4.99	405.16	72.55	4.36	0.70	0.48	0.00	1.01	
15	0.00	0.00	0.00	15.29	5.12	159.28	38.88	4.12	0.60	0.51	0.00	1.12	
16	0.00	0.00	0.00	29.24	4.55	112.90	48.30	3.94	0.57	0.48	0.00	0.97	
17	0.00	0.00	0.00	60.07	4.24	167.94	674.57	3.71	0.54	0.83	0.00	0.87	
18	0.00	0.00	0.00	66.61	3.82	75.35	178.76	3.65	0.51	2.71	0.00	0.87	
19	0.00	0.00	0.00	38.88	3.36	187.53	80.87	3.65	0.46	2.98	0.00	0.83	
20	0.00	0.00	0.00	22.85	4.99	386.91	49.86	3.53	0.43	3.14	0.00	0.73	
21	0.00	0.00	0.00	19.35	4.06	87.39	35.64	3.36	0.38	3.03	0.00	0.83	
22	0.00	0.00	0.00	24.17	19.35	85.48	32.51	3.20	0.38	3.03	0.00	0.94	
23	0.00	0.00	0.00	985.89	3.71	114.43	29.72	3.14	0.35	4.24	0.00	1.70	
24	0.00	0.00	0.00	798.67	2.82	208.81	19.76	3.03	0.35	3.71	0.00	1.44	
25	0.00	0.00	0.00	949.75	7.12	667.50	16.05	2.87	0.35	3.20	0.00	1.24	
26	0.00	0.00	0.00	1179.08	456.67	768.82	12.62	2.82	0.32	2.66	0.00	1.05	
27	0.00	0.00	0.00	717.54	52.90	598.23	11.06	2.71	0.32	2.36	0.00	0.90	
28	0.00	0.00	0.00	178.76	21.66	973.79	10.23	2.66	0.32	2.12	0.00	0.83	
29	7.78	0.00	0.00	67.40	42.48	430.64	9.17	2.66	0.32	1.93		0.83	
30	16.44	0.00	0.00	36.15	42.48	142.45	8.62	2.56	0.30	1.79		0.80	
31		0.00		24.17	132.07		8.16		0.30	1.57		0.83	
Total	24.22	38.86	0.00	5539.45	1111.29	13445.41	3118.20	366.84	26.66	44.59	18.54	32.48	23766.54 Ton/day
Mean	0.81	1.25	0.00	178.69	35.85	448.18	100.59	12.23	0.86	1.44	0.66	1.05	65.11 Ton/day
Max	16.44	10.89	0.00	1179.08	456.67	2451.61	674.57	159.28	2.41	4.24	2.56	2.98	2451.61 Ton/day
Min	0.00	0.00	0.00	1.32	2.82	26.66	8.16	2.56	0.30	0.08	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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	2021					
Number of observation	34					
R-Square	0.8946					
Remarks	Continued Sediment Station					

$$QS = 0.3096 QW^{1.87380}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.27	119.97	37.53	259.27	2896.43	1133.09	866.19	371.79	91.65	34.44	25.19	17.49	
2	6.27	91.65	28.63	231.88	4684.84	792.55	1178.77	671.06	86.45	34.44	25.19	13.50	
3	3.58	91.65	23.54	181.40	19373.93	1110.56	1002.37	721.97	86.45	34.44	25.19	13.50	
4	3.97	81.39	20.41	181.40	11626.81	1521.95	1201.92	472.42	86.45	34.44	18.93	13.50	
5	8.08	58.64	54.82	139.13	6525.10	1320.85	982.35	371.79	86.45	34.44	17.49	13.50	
6	44.08	51.11	91.65	166.73	3269.92	2022.62	756.88	308.08	86.45	31.47	17.49	13.50	
7	671.06	51.11	37.53	1133.09	2022.62	2425.12	671.06	240.85	76.47	31.47	21.95	16.11	
8	360.79	28.63	37.53	513.96	1444.98	1708.77	528.79	249.98	71.70	28.63	23.54	20.41	
9	181.40	34.44	62.58	3269.92	1066.15	1600.78	446.21	231.88	67.06	28.63	20.41	17.49	
10	67.06	34.44	152.64	1272.65	942.88	1764.00	433.37	223.06	67.06	28.63	17.49	16.11	
11	62.58	31.47	197.58	671.06	810.68	1044.26	605.88	214.41	62.58	26.88	16.11	13.50	
12	40.74	28.63	159.61	383.76	1110.56	923.42	962.52	205.92	62.58	26.88	14.78	13.50	
13	37.53	23.54	139.13	298.00	704.81	847.50	756.88	205.92	54.82	23.54	14.78	13.50	
14	44.08	21.95	20070.00	205.92	739.33	1110.56	621.88	214.41	54.82	23.54	14.78	13.50	
15	31.47	20.41	56494.19	278.32	828.99	1820.04	485.79	197.58	58.64	21.95	13.50	13.50	
16	21.95	25.19	8111.47	1044.26	5821.05	3153.08	446.21	181.40	62.58	21.95	13.50	18.93	
17	18.93	25.19	2861.47	605.88	2792.15	1654.37	420.71	166.73	58.64	26.88	12.32	40.74	
18	21.95	18.93	1394.70	420.71	1496.09	1272.65	395.90	159.61	58.64	31.47	12.32	108.11	
19	62.58	14.78	810.68	459.23	1791.92	1002.37	339.24	145.81	58.64	31.47	13.50	145.81	
20	81.39	17.49	621.88	810.68	2826.71	942.88	298.00	139.13	51.11	62.58	102.48	62.58	
21	51.11	17.49	543.82	3191.81	1736.28	1110.56	223.06	145.81	47.53	71.70	268.72	47.53	
22	44.08	16.11	433.37	1708.77	923.42	1044.26	205.92	145.81	44.08	91.65	102.48	34.44	
23	34.44	13.50	288.09	962.52	671.06	1002.37	318.31	139.13	44.08	81.39	76.47	37.53	
24	34.44	13.50	278.32	942.88	1574.30	866.19	485.79	113.88	40.74	54.82	51.11	47.53	
25	28.63	12.32	278.32	2082.32	2457.49	739.33	371.79	108.11	40.74	47.53	34.44	34.44	
26	26.88	25.19	166.73	4783.37	1419.74	847.50	349.94	108.11	40.74	34.44	28.63	26.88	
27	20.41	34.44	119.97	11286.17	1002.37	1088.25	288.09	102.48	40.74	28.63	26.88	25.19	
28	25.19	37.53	181.40	3926.39	847.50	1681.47	268.72	97.00	40.74	28.63	23.54	21.95	
29	67.06	173.99	472.42	2689.67	638.08	1066.15	240.85	97.00	37.53	26.88		159.61	
30	81.39	231.88	420.71	6227.19	528.79	866.19	259.27	97.00	37.53	26.88		76.47	
31		62.58		4186.95	721.97		298.00		37.53	26.88		34.44	
Total	2189.39	1509.14	94590.72	54515.29	85296.95	39483.69	16710.66	6848.13	1841.22	1137.60	1053.21	1144.79	306320.79 Tonday
Mean	72.98	48.68	3153.02	1758.56	2751.51	1316.12	539.05	228.27	59.39	36.70	37.61	36.93	839.24 Ton/day
Max	671.06	231.88	56494.19	11286.17	19373.93	3153.08	1201.92	721.97	91.65	91.65	268.72	159.61	56494.19 Ton/day
Min	3.58	12.32	20.41	139.13	528.79	739.33	205.92	97.00	37.53	21.95	12.32	13.50	3.58 Ton/day

WATER YEAR : 2021**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	2021				
Number of observation	32				
R-Square	0.8185				
Remarks	Continued Sediment Station				

$$QS = 0.4902 QW^{1.83900}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.77	7.17	2.45	7.79	69.84	33.22	27.88	27.88	6.57	4.04	2.74	1.95	
2	0.77	4.40	1.95	10.53	396.76	26.19	27.88	21.93	5.99	4.04	2.74	1.95	
3	1.11	3.70	1.95	9.11	1404.78	33.22	23.23	12.82	5.99	3.70	2.74	1.72	
4	3.05	3.05	1.95	7.79	609.07	59.32	24.55	18.26	5.99	3.70	2.74	1.72	
5	5.17	2.74	3.05	9.11	221.22	52.06	21.93	17.10	5.57	3.70	2.74	1.72	
6	17.10	2.20	3.36	11.27	87.94	43.05	21.93	14.89	5.57	3.70	2.45	1.72	
7	21.93	1.72	1.95	18.26	78.65	78.65	20.67	12.82	5.17	3.36	2.45	1.50	
8	9.81	1.72	3.36	20.67	67.01	38.98	17.10	12.03	5.17	3.36	2.45	1.95	
9	3.70	2.74	5.57	61.83	47.46	43.05	15.98	12.03	4.78	3.05	2.20	1.72	
10	2.74	2.74	49.73	35.09	31.39	40.99	14.89	11.27	4.78	3.05	2.20	1.72	
11	2.20	2.20	14.89	24.55	37.01	31.39	19.45	11.27	4.78	3.05	1.95	1.72	
12	5.17	2.45	8.44	17.10	56.85	23.23	24.55	10.53	4.40	3.05	1.95	1.72	
13	7.79	1.95	9.11	11.27	38.98	24.55	20.67	11.27	4.40	3.05	1.95	1.72	
14	4.04	1.50	1195.50	9.11	29.61	31.39	18.26	8.44	4.40	3.05	1.95	1.30	
15	2.74	1.50	547.74	11.27	115.54	67.01	15.98	8.44	4.40	2.74	1.72	2.45	
16	2.20	1.72	108.24	29.61	481.22	40.99	15.98	8.44	4.78	3.05	1.72	2.74	
17	2.45	1.50	72.72	15.98	147.63	37.01	14.89	7.79	4.40	3.70	1.95	2.20	
18	10.53	1.50	45.23	14.89	138.98	38.98	12.03	8.44	4.40	4.78	1.72	3.05	
19	11.27	1.72	10.53	156.53	91.14	24.55	11.27	9.11	4.40	4.04	2.20	2.45	
20	5.17	2.20	11.27	81.70	179.79	21.93	11.27	8.44	4.40	5.57	7.79	1.95	
21	4.04	1.95	9.81	175.02	134.74	21.93	12.03	8.44	4.40	5.99	4.40	1.50	
22	3.70	1.72	8.44	64.40	78.65	27.88	17.10	8.44	4.40	7.17	3.05	2.20	
23	2.74	1.72	6.57	38.98	56.85	45.23	56.85	8.44	4.04	5.57	3.05	1.95	
24	2.74	1.50	5.99	33.22	45.23	23.23	29.61	7.79	4.04	4.78	2.45	3.70	
25	2.74	2.45	5.57	38.98	170.31	19.45	19.45	7.79	4.04	4.04	2.20	3.70	
26	1.95	4.04	5.17	662.43	101.16	26.19	17.10	7.79	4.04	4.04	2.20	2.74	
27	1.95	2.74	6.57	232.18	64.40	31.39	13.84	7.17	4.04	3.70	1.95	2.45	
28	2.74	2.74	12.82	67.01	47.46	72.72	13.84	6.57	4.40	3.70	1.95	4.40	
29	3.05	3.05	10.53	38.98	43.05	40.99	12.82	6.57	4.40	3.70		33.22	
30	5.17	3.05	8.44	87.94	33.22	26.19	18.26	6.57	4.40	3.36		8.44	
31		2.45		59.32	31.39		29.61		4.04	3.05		4.40	
Total	150.53	77.83	2178.90	2061.92	5137.33	1124.96	620.90	328.77	146.58	120.88	71.60	107.67	12127.87 Tonday
Mean	5.02	2.51	72.63	66.51	165.72	37.50	20.03	10.96	4.73	3.90	2.56	3.47	33.23 Ton/day
Max	21.93	7.17	1195.50	662.43	1404.78	78.65	56.85	27.88	6.57	7.17	7.79	33.22	1404.78 Ton/day
Min	0.77	1.50	1.95	7.79	29.61	19.45	11.27	6.57	4.04	2.74	1.72	1.30	0.77 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	13		
R-Square	0.6031		
Remarks	Continued Sediment Station		

QS = 13.9689 QW^{1.24950}

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	23.76	0.99	0.42	9.91	220.24	73.09	59.98	1.31	0.00	0.00	0.04	
2	0.00	6.17	0.69	0.33	7.69	73.09	167.45	16.09	1.20	0.00	0.00	0.04	
3	0.00	8.31	0.33	0.33	11.23	409.74	66.83	11.23	0.99	0.00	0.00	0.04	
4	0.00	1.87	0.11	0.25	306.74	1228.32	51.25	9.91	0.79	0.00	0.00	0.04	
5	0.00	1.41	0.00	0.00	28.11	1017.58	32.38	8.95	0.79	0.00	0.00	0.00	
6	0.00	0.99	0.00	0.11	16.09	231.80	24.93	8.00	0.79	0.00	0.00	0.00	
7	15.02	0.60	0.00	0.00	12.25	85.93	33.63	7.38	0.60	0.00	0.00	0.00	
8	7.69	0.50	0.17	25.92	44.77	131.06	19.57	6.77	0.60	0.00	0.00	0.00	
9	0.79	0.42	4.73	13.97	9.91	1391.66	15.74	5.88	0.60	0.00	0.00	0.00	
10	0.25	0.25	1.31	2.35	5.88	850.78	14.32	5.01	0.42	0.00	0.00	0.00	
11	0.17	0.17	1.41	1.41	4.31	581.10	20.70	4.45	0.42	0.00	0.00	0.00	
12	0.04	0.89	1.53	1.99	3.63	259.33	38.69	4.17	0.42	0.00	0.00	0.00	
13	0.04	0.42	1.31	8.95	5.58	124.00	34.88	3.90	0.50	0.00	0.00	0.00	
14	0.00	0.11	9.59	2.47	3.50	465.99	20.70	3.63	0.50	0.00	0.25	0.99	
15	0.00	0.00	13.62	36.78	6.47	94.03	13.97	3.50	0.50	0.00	0.25	0.60	
16	0.00	0.00	5.58	38.69	4.03	87.44	22.80	3.36	0.33	0.00	0.33	0.33	
17	0.00	0.69	82.68	9.59	3.23	100.72	138.19	3.10	0.25	0.00	0.33	0.42	
18	35.51	0.42	4.03	28.11	2.72	50.12	51.25	2.97	0.25	0.00	0.33	0.00	
19	1.31	0.25	1.53	5.01	1.99	56.50	34.25	2.85	0.25	0.00	0.25	0.00	
20	0.33	0.25	1.20	5.29	1.87	44.77	25.92	2.72	0.50	0.00	0.42	0.00	
21	0.25	0.04	0.79	4.17	1.75	161.45	21.65	2.11	0.42	0.00	0.50	0.00	
22	0.11	0.04	0.42	7.69	1.64	57.66	18.09	1.87	0.42	0.00	0.42	1.41	
23	0.04	1.41	0.00	478.68	1.53	65.16	15.74	1.87	0.33	0.00	0.50	1.20	
24	0.00	0.50	0.00	440.81	0.99	77.73	14.67	1.75	0.25	0.00	0.33	1.20	
25	0.00	0.50	0.00	391.32	0.99	573.02	13.27	1.75	0.17	0.00	0.17	1.09	
26	0.00	0.79	0.00	1648.04	2.60	525.07	12.59	1.75	0.11	0.25	0.11	0.89	
27	0.00	0.25	0.00	403.59	3.36	422.12	10.24	1.53	0.04	0.00	0.04	0.60	
28	0.11	0.60	4.31	146.52	2.23	243.48	7.69	1.41	0.00	0.00	0.04	0.42	
29	0.60	0.42	1.31	31.77	1.75	185.70	9.59	1.31	0.00	0.00		0.25	
30	0.89	0.99	1.09	16.45	56.50	92.50	13.27	1.20	0.00	0.00		0.17	
31		0.99		146.52	149.59		8.95		0.00	0.00		0.11	
Total	63.15	54.01	138.73	3897.53	712.84	9908.09	1046.29	190.40	13.75	0.25	4.27	9.84	16039.15 Tonday
Mean	2.10	1.74	4.62	125.73	22.99	330.27	33.75	6.35	0.44	0.01	0.15	0.32	43.94 Ton/day
Max	35.51	23.76	82.68	1648.04	306.74	1391.66	167.45	59.98	1.31	0.25	0.50	1.41	1648.04 Ton/day
Min	0.00	0.00	0.00	0.00	0.99	44.77	7.69	1.20	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021

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.		
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	2021		
Number of observation	31		
R-Square	0.8833		
Remarks	Continued Sediment Station		

$$QS = 1.6460 QW^{1.37570}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1024.43	1182.40	1008.72	2386.49	2605.70	4036.52	24375.90	22604.16	4055.62	954.25	702.01	885.45	
2	993.07	1298.52	1024.43	2620.95	2177.49	4560.57	24594.45	22604.16	3604.25	985.27	752.19	832.92	
3	969.73	1329.42	977.49	2883.89	1948.76	5040.68	24682.02	22732.56	3311.59	969.73	744.96	803.31	
4	1097.29	1340.70	977.49	3073.56	1715.05	5600.31	24813.53	22646.94	2946.75	938.84	687.84	773.99	
5	1220.77	1397.52	1050.77	3105.49	1548.19	6205.67	24813.53	22518.68	2560.09	908.22	687.84	759.44	
6	1329.42	1201.54	1041.53	3365.95	1420.42	6658.58	24725.83	22220.17	2190.40	840.37	781.29	759.44	
7	1454.97	1116.05	1050.77	3622.76	1329.42	6755.03	24594.45	21668.71	1874.08	803.31	795.95	818.08	
8	1654.92	1041.53	1016.57	3475.38	1249.77	6252.93	24288.63	21163.04	1849.36	795.95	832.92	862.83	
9	1948.76	931.16	1024.43	3105.49	1536.45	5738.49	23896.98	20452.30	1886.47	825.49	803.31	862.83	
10	1986.40	832.92	1060.03	2852.60	1775.76	6324.01	23248.12	19627.63	1751.41	908.22	744.96	847.84	
11	1986.40	847.84	1144.36	2636.23	1787.97	8178.64	22646.94	18528.20	1571.74	961.98	781.29	825.49	
12	2062.26	931.16	1269.21	2373.28	1642.97	12024.23	22305.35	17409.31	1466.53	908.22	832.92	795.95	
13	2113.26	877.89	1420.42	2203.33	1431.91	15659.50	22220.17	16418.81	1478.12	840.37	810.68	781.29	
14	1998.99	818.08	1513.05	2281.34	1144.36	17040.62	22475.97	15194.41	1489.74	818.08	803.31	766.70	
15	1654.92	788.61	1478.12	2373.28	1087.94	16967.14	22646.94	14066.12	1408.96	810.68	832.92	716.25	
16	1431.91	673.76	1352.01	2242.24	1144.36	16237.13	22732.56	13098.68	1278.96	818.08	840.37	702.01	
17	1308.33	611.39	1249.77	2049.56	1318.16	15551.83	22818.27	12150.39	1182.40	766.70	870.35	659.76	
18	1329.42	759.44	1329.42	1898.88	1524.74	15623.59	23032.92	11320.41	1078.61	730.57	1024.43	744.96	
19	1536.45	908.22	1501.38	1898.88	1595.39	16346.07	23766.82	10598.52	1016.57	716.25	1163.33	788.61	
20	1787.97	985.27	1763.57	1948.76	1678.90	16967.14	24157.89	9948.37	977.49	759.44	1097.29	862.83	
21	1824.74	1060.03	1849.36	1800.20	1911.32	17483.31	24375.90	9223.42	977.49	825.49	1024.43	954.25	
22	1715.05	1060.03	1849.36	1654.92	2177.49	18041.01	24245.03	8429.61	946.53	847.84	1041.53	1024.43	
23	1763.57	1060.03	1837.04	1536.45	2216.28	18227.97	24027.34	7655.71	915.85	855.33	1041.53	1363.35	
24	1443.43	1191.96	1654.92	1374.71	2100.48	18678.81	23983.87	7267.54	877.89	900.61	1000.89	1478.12	
25	1153.83	1308.33	1536.45	1536.45	2024.23	19398.75	24027.34	6876.13	862.83	969.73	1016.57	1607.25	
26	1000.89	1308.33	1352.01	2087.72	1886.47	20995.21	24114.35	6158.50	840.37	908.22	1008.72	1559.95	
27	1008.72	1230.42	1308.33	2575.27	1619.13	22433.28	24027.34	5554.45	832.92	818.08	961.98	1397.52	
28	1050.77	1308.33	1363.35	3275.49	1489.74	23334.35	23723.48	5304.09	832.92	803.31	915.85	1191.96	
29	1125.46	1318.16	1536.45	4093.88	1702.98	23940.42	23377.50	4859.11	877.89	803.31		1024.43	
30	1144.36	1163.33	1923.78	4209.26	2281.34	24201.45	22946.99	4462.21	931.16	781.29		923.50	
31		1008.72		3475.38	2994.13		22689.74		908.22	709.12		915.85	
Total	44120.49	32891.09	40464.59	80018.07	54067.30	414503.24	734376.15	422762.34	48783.21	26282.35	24601.66	29290.59	1952161.08 Tonday
Mean	1470.68	1061.00	1348.82	2581.23	1744.11	13816.77	23689.55	14092.08	1573.65	847.82	878.63	944.86	5348.39 Ton/day
Max	2113.26	1397.52	1923.78	4209.26	2994.13	24201.45	24813.53	22732.56	4055.62	985.27	1163.33	1607.25	24813.53 Ton/day
Min	969.73	611.39	977.49	1374.71	1087.94	4036.52	22220.17	4462.21	832.92	709.12	687.84	659.76	611.39 Ton/day

WATER YEAR : 2021**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
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	2021					
Number of observation	7					
R-Square	0.7399					
Remarks	Continued Sediment Station					

$$QS = 4.6663 QW^{1.38470}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	184.24	14.52	8.18	51.33	443.34	198.93	215.62	12.44	5.80	21.96	21.96	
2	0.00	132.38	14.52	8.18	37.22	215.62	810.24	215.62	44.54	6.22	21.96	21.96	
3	0.00	102.34	14.52	6.93	16.60	854.15	346.74	176.93	56.68	6.93	21.96	21.96	
4	0.00	56.68	14.52	3.37	18.84	215.62	215.62	142.13	47.84	6.93	20.38	19.61	
5	0.00	40.25	8.18	1.22	82.65	69.60	123.14	142.13	19.61	7.73	20.38	18.84	
6	0.00	35.39	8.18	0.00	41.19	69.60	44.54	191.46	11.10	8.18	26.24	18.08	
7	0.00	30.72	14.52	14.52	40.25	44.54	202.61	102.34	11.10	9.18	34.38	17.34	
8	0.00	21.96	21.96	123.14	44.54	16.60	176.93	102.34	8.18	11.10	42.86	16.60	
9	0.00	14.52	30.72	44.54	34.38	2526.79	129.28	73.32	8.18	11.76	35.39	15.96	
10	0.00	14.52	21.96	33.48	31.60	4524.45	44.54	73.32	8.18	12.44	25.30	14.52	
11	0.00	14.52	21.96	75.27	29.74	2421.20	132.38	56.68	7.36	13.82	21.96	13.12	
12	0.00	14.52	14.52	18.84	30.72	890.91	1219.06	54.88	8.18	14.52	21.96	12.44	
13	0.00	14.52	14.52	9.81	24.48	263.84	1805.03	47.84	8.18	15.23	21.96	11.10	
14	0.00	14.52	37.22	8.18	30.72	361.15	627.36	37.22	8.18	15.96	21.17	10.45	
15	0.00	14.52	99.45	8.18	32.48	666.78	368.31	13.82	8.18	16.60	21.17	9.81	
16	0.00	14.52	75.27	14.52	42.86	443.34	278.83	19.61	8.56	17.34	21.96	9.18	
17	0.00	14.52	56.68	46.24	39.19	768.58	2438.47	21.96	8.56	18.08	22.75	8.56	
18	0.00	14.52	40.25	34.38	32.48	443.34	588.87	21.96	8.56	18.84	23.56	8.56	
19	0.00	14.52	30.72	21.96	30.72	263.84	273.81	29.74	8.56	19.61	24.48	9.81	
20	0.00	14.52	21.96	21.17	27.92	758.19	249.09	34.38	8.18	20.38	25.30	13.12	
21	3.08	14.52	21.96	20.38	26.24	420.61	142.13	40.25	8.18	21.17	26.24	16.60	
22	6.22	14.52	30.72	39.19	26.24	339.49	854.15	39.19	8.18	21.96	26.24	22.75	
23	8.56	14.52	21.96	114.10	21.96	1333.31	3820.41	30.72	7.73	21.96	27.07	33.48	
24	12.44	14.52	14.52	53.10	19.61	1275.83	1773.32	30.72	7.36	23.56	27.92	30.72	
25	15.23	14.52	14.52	54.88	27.92	1135.27	443.34	27.92	6.93	25.30	28.88	25.30	
26	22.75	8.18	8.18	2580.04	155.83	532.66	318.20	21.96	6.57	25.30	28.88	21.96	
27	28.88	8.18	8.18	283.87	129.28	390.45	202.61	21.96	6.57	26.24	29.74	20.38	
28	34.38	8.18	8.18	126.20	93.76	1465.65	176.93	12.44	6.22	26.24	29.74	18.08	
29	39.19	11.10	8.18	65.80	598.30	428.07	249.09	8.18	6.22	25.30		19.61	
30	46.24	14.52	8.18	42.86	676.81	234.58	166.37	8.18	5.80	24.48		24.48	
31		21.96		65.80	368.31		176.93		5.80	23.56		33.48	
Total	216.97	922.92	720.73	3948.33	2864.17	23817.40	18597.26	2014.82	385.91	521.72	721.79	559.82	55291.84 Tonday
Mean	7.23	29.77	24.02	127.37	92.39	793.91	599.91	67.16	12.45	16.83	25.78	18.06	151.48 Ton/day
Max	46.24	184.24	99.45	2580.04	676.81	4524.45	3820.41	215.62	56.68	26.24	42.86	33.48	4524.45 Ton/day
Min	0.00	8.18	8.18	0.00	16.60	16.60	44.54	8.18	5.80	5.80	20.38	8.56	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	14		
R-Square	0.7006		
Remarks	Continued Sediment Station		

$$QS = 1.4466 QW^{1.19050}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.24	2.38	1.57	0.99	17.53	20.60	58.12	53.15	4.37	0.95	1.66	0.71	
2	0.24	2.47	1.31	1.50	12.02	31.47	46.63	42.60	4.14	0.88	1.66	0.71	
3	0.24	2.21	1.13	1.82	11.03	84.77	37.45	31.47	4.02	0.88	1.73	0.71	
4	0.24	2.14	0.99	2.38	95.31	115.77	33.43	29.06	3.80	0.88	1.82	0.71	
5	0.24	1.89	0.88	1.82	91.25	300.98	25.75	22.48	3.68	0.88	1.98	0.65	
6	0.24	1.66	0.82	1.50	79.28	70.06	22.16	20.29	3.58	0.88	1.89	0.59	
7	0.35	1.38	0.88	2.64	72.34	49.58	20.92	18.12	3.36	0.88	1.57	0.53	
8	0.88	1.31	0.95	2.82	66.49	38.49	17.84	16.43	3.07	0.88	1.50	0.65	
9	1.24	1.38	0.99	2.82	12.53	80.82	17.84	15.10	2.99	0.88	1.50	1.06	
10	1.31	1.24	0.88	2.38	7.33	95.31	15.37	13.80	2.89	0.88	1.45	1.13	
11	1.45	1.13	0.88	2.14	6.56	251.15	80.04	12.28	2.82	0.88	1.45	0.95	
12	1.73	0.99	1.45	2.14	7.33	91.25	37.97	11.42	2.72	0.88	1.98	0.88	
13	2.47	0.88	1.57	2.64	6.93	54.35	31.47	10.63	2.64	1.24	1.66	0.71	
14	2.38	0.76	1.73	3.24	9.08	41.07	34.91	9.85	2.55	1.50	1.57	0.59	
15	1.73	0.76	2.31	5.41	37.97	34.91	55.58	9.45	2.47	1.50	1.82	0.59	
16	1.98	0.71	2.38	10.44	21.84	42.10	122.67	9.85	2.47	1.50	2.14	0.49	
17	2.38	0.88	2.82	5.93	14.60	120.64	104.84	8.88	2.38	1.50	2.14	0.43	
18	1.89	0.95	4.02	4.14	10.44	53.15	72.34	7.99	2.31	1.57	2.21	0.49	
19	2.31	0.95	2.55	10.44	8.69	46.63	70.83	7.72	2.21	1.50	2.47	0.49	
20	3.16	1.06	1.82	8.12	8.12	49.58	51.96	7.33	2.14	1.57	2.38	0.59	
21	2.47	1.24	1.45	6.82	7.85	46.63	41.07	6.93	2.05	1.73	2.21	1.06	
22	1.98	1.73	1.24	9.45	7.47	37.97	36.43	6.69	1.66	1.89	1.98	1.24	
23	1.73	1.31	1.13	11.03	6.30	60.02	33.91	6.56	1.31	1.98	1.57	1.66	
24	1.73	1.45	1.06	20.92	5.54	124.67	26.68	6.17	1.24	2.05	1.31	1.31	
25	1.45	2.64	1.06	45.46	9.08	239.05	22.78	5.80	1.24	1.89	1.13	1.19	
26	1.50	1.38	1.19	28.12	17.22	352.37	20.29	5.54	1.19	1.73	0.99	0.95	
27	1.73	1.98	1.06	33.43	19.66	157.89	18.43	5.31	1.13	1.50	0.88	0.82	
28	2.55	2.05	0.95	16.43	19.66	92.06	16.69	5.08	1.13	1.50	0.76	0.65	
29	3.24	2.55	0.88	12.28	19.66	75.41	33.43	4.82	1.06	1.45		0.82	
30	2.89	2.89	0.82	20.60	19.97	57.47	69.29	4.59	1.06	1.45		1.13	
31		2.14		21.53	26.22		50.77		0.99	1.57		1.45	
Total	47.97	48.49	42.77	301.38	755.30	2916.22	1327.89	415.39	74.67	41.25	47.41	25.94	6044.68 Tonday
Mean	1.60	1.56	1.43	9.72	24.36	97.21	42.84	13.85	2.41	1.33	1.69	0.84	16.56 Ton/day
Max	3.24	2.89	4.02	45.46	95.31	352.37	122.67	53.15	4.37	2.05	2.47	1.66	352.37 Ton/day
Min	0.24	0.71	0.82	0.99	5.54	20.60	15.37	4.59	0.99	0.88	0.76	0.43	0.24 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	33		
R-Square	0.8639		
Remarks	Continued Sediment Station		

$$QS = 0.2366 QW^{1.83150}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	9.48	39.72	15.64	705.52	1987.81	705.52	791.28	533.01	56.61	31.70	17.49	14.75	
2	8.35	43.16	13.89	283.93	1758.29	435.12	1415.61	271.06	56.61	30.35	17.49	13.89	
3	8.91	36.41	15.64	163.40	2899.68	504.81	884.21	258.47	54.54	30.35	16.55	13.89	
4	15.64	27.74	13.05	150.98	3681.01	486.95	791.28	211.78	52.51	30.35	15.64	13.89	
5	43.16	21.67	10.67	117.28	3049.17	426.74	638.27	167.64	50.51	29.03	16.55	13.89	
6	58.71	20.54	11.44	97.64	2011.46	513.85	504.81	131.27	48.55	26.47	18.45	13.89	
7	117.28	21.67	20.54	325.52	1358.85	435.12	543.15	131.27	46.72	26.47	19.43	13.89	
8	83.16	17.49	20.54	252.27	939.40	595.13	426.74	131.27	46.72	26.47	18.45	21.67	
9	65.22	16.55	38.05	283.93	682.76	830.53	347.28	127.71	44.92	25.23	17.49	29.03	
10	39.72	14.75	211.78	167.64	385.96	1592.21	418.44	113.89	44.92	25.23	16.55	20.54	
11	26.47	14.75	139.00	176.71	418.44	1253.81	533.01	113.89	43.16	25.23	14.75	17.49	
12	39.72	8.91	142.95	176.71	533.01	752.90	765.60	110.55	41.42	25.23	13.89	15.64	
13	25.23	7.29	222.33	246.15	418.44	728.62	1492.94	107.26	41.42	25.23	13.89	14.75	
14	20.54	8.91	11272.15	181.54	574.08	830.53	605.79	104.01	41.42	24.01	14.75	13.05	
15	19.43	12.23	16934.20	181.54	752.90	953.44	495.84	104.01	41.42	24.01	14.75	13.05	
16	17.49	10.67	6043.40	347.28	1848.56	1377.65	443.58	97.64	41.42	22.83	13.89	14.75	
17	13.05	7.81	1253.81	271.06	3140.50	1073.06	418.44	94.66	39.72	22.83	13.89	16.55	
18	44.92	10.67	513.85	186.43	1632.73	804.27	347.28	85.97	39.72	25.23	13.89	24.01	
19	72.33	14.75	159.21	124.19	939.40	584.56	297.51	113.89	38.05	30.35	14.75	36.41	
20	38.05	15.64	171.93	142.95	728.62	543.15	271.06	91.72	36.41	33.24	36.41	38.05	
21	21.67	13.05	150.98	486.95	522.96	504.81	252.27	85.97	34.81	33.24	277.46	17.49	
22	15.64	11.44	117.28	682.76	486.95	638.27	264.73	83.16	34.81	34.81	63.01	14.75	
23	13.05	12.23	94.66	522.96	410.21	967.57	347.28	74.97	33.24	33.24	30.35	15.64	
24	12.23	10.06	77.66	469.38	370.17	705.52	222.33	69.73	31.70	30.35	24.01	54.54	
25	13.05	13.89	69.73	2724.81	574.08	682.76	217.03	69.73	31.70	25.23	19.43	50.51	
26	24.01	25.23	60.84	3615.40	362.39	694.10	201.47	67.46	31.70	20.54	18.45	27.74	
27	17.49	30.35	83.16	7447.57	402.05	3079.48	211.78	65.22	31.70	20.54	17.49	18.45	
28	21.67	21.67	74.97	3171.21	325.52	1492.94	206.59	63.01	31.70	20.54	15.64	14.75	
29	31.70	34.81	107.26	1871.45	297.51	1153.64	171.93	63.01	31.70	19.43		21.67	
30	46.72	26.47	495.84	1758.29	290.68	911.61	191.38	58.71	30.35	18.45		163.40	
31		17.49		3813.83	277.46		385.96		30.35	18.45		135.11	
Total	984.09	588.02	38556.45	31147.28	34061.05	26258.67	15104.87	3801.94	1260.53	814.66	804.79	907.13	154289.48 Tonday
Mean	32.80	18.97	1285.22	1004.75	1098.74	875.29	487.25	126.73	40.66	26.28	28.74	29.26	422.71 Ton/day
Max	117.28	43.16	16934.20	7447.57	3681.01	3079.48	1492.94	533.01	56.61	34.81	277.46	163.40	16934.20 Ton/day
Min	8.35	7.29	10.67	97.64	277.46	426.74	171.93	58.71	30.35	18.45	13.89	13.05	7.29 Ton/day

WATER YEAR : 2021

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
Drainage 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	2021		
Number of observation	24		
R-Square	0.8675		
Remarks	Continued Sediment Station		

$$QS = 1.5584 QW^{1.47690}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.68	202.83	76.32	66.90	1790.70	1833.42	3739.00	695.07	63.82	17.44	7.32	9.91	
2	0.98	257.76	57.88	60.79	1463.02	2007.52	3896.59	807.56	60.79	17.44	6.54	7.74	
3	4.02	243.51	32.62	76.32	1098.31	2141.39	3291.31	807.56	57.88	16.10	6.54	6.94	
4	13.53	222.64	20.21	66.90	833.67	2775.60	3041.20	611.79	52.07	14.79	6.54	6.14	
5	29.36	172.36	14.79	41.12	647.11	3350.09	2498.24	446.76	49.30	13.53	6.54	5.78	
6	46.52	116.57	12.25	29.36	707.32	3864.39	2029.63	348.49	46.52	12.25	9.91	5.78	
7	69.94	79.58	20.21	43.79	611.79	4595.44	1613.13	309.62	43.79	11.06	20.21	5.40	
8	73.11	63.82	34.29	160.71	446.76	4907.90	1371.64	287.02	41.12	11.06	23.12	5.40	
9	73.11	49.30	132.57	215.82	356.44	5601.51	1224.50	257.76	38.56	9.91	17.44	11.06	
10	73.11	52.07	184.38	294.49	317.27	5601.51	940.95	229.53	38.56	9.91	12.25	12.25	
11	69.94	38.56	222.64	391.70	243.51	5601.51	756.65	209.07	35.99	8.80	8.80	8.80	
12	69.94	29.36	172.36	365.12	196.54	5677.10	1192.54	202.83	35.99	8.80	7.32	6.94	
13	66.90	24.62	149.23	309.62	184.38	5714.85	1833.42	190.43	34.29	8.80	6.94	6.94	
14	63.82	21.65	190.43	272.26	178.39	5714.85	2186.63	166.50	32.62	8.80	6.54	6.14	
15	63.82	18.81	309.62	324.99	196.54	5119.97	2074.11	149.23	30.98	7.74	6.94	5.78	
16	66.90	17.44	475.09	588.66	324.99	4768.35	1963.51	138.02	30.98	7.32	11.06	5.40	
17	76.32	17.44	543.27	731.85	332.76	4458.84	2425.26	127.20	29.36	7.32	16.10	6.14	
18	149.23	16.10	437.35	577.28	324.99	4158.19	2376.75	121.89	27.77	7.32	13.53	6.14	
19	209.07	18.81	365.12	446.76	324.99	3961.55	2257.48	121.89	27.77	7.32	13.53	6.94	
20	222.64	20.21	287.02	365.12	309.62	4026.85	1985.48	121.89	26.15	6.94	24.62	14.79	
21	184.38	17.44	209.07	513.66	279.61	3617.76	1613.13	116.57	24.62	7.32	96.33	12.25	
22	121.89	16.10	132.57	533.39	229.53	3262.18	1689.94	106.34	24.62	8.80	121.89	9.91	
23	89.52	14.79	79.58	846.83	190.43	3095.04	1594.11	101.25	24.62	14.79	86.14	17.44	
24	73.11	13.53	57.88	1322.00	172.36	3408.94	1305.58	96.33	24.62	21.65	66.90	20.21	
25	66.90	20.21	43.79	1575.16	257.76	3557.77	1160.85	89.52	23.12	23.12	35.99	26.15	
26	63.82	21.65	35.99	2775.60	659.08	3769.44	927.34	86.14	21.65	23.12	24.62	38.56	
27	57.88	34.29	30.98	2571.92	886.70	3831.99	647.11	82.79	21.65	20.21	18.81	23.12	
28	54.95	41.12	32.62	2749.32	954.63	3739.00	494.18	76.32	21.65	16.10	14.79	17.44	
29	92.86	35.99	29.36	2646.54	900.12	3864.39	437.35	73.11	21.65	13.53		17.44	
30	121.89	73.11	38.56	2281.18	1052.15	3864.39	400.78	69.94	20.21	11.06		60.79	
31		92.86		1963.51	1481.53		409.79		18.81	8.80		111.42	
Total	2370.14	2064.53	4428.05	25208.67	17953.00	121891.73	53378.18	7248.42	1051.53	381.15	697.26	505.14	237177.80 Tonday
Mean	79.00	66.60	147.60	813.18	579.13	4063.06	1721.88	241.61	33.92	12.30	24.90	16.29	649.80 Ton/day
Max	222.64	257.76	543.27	2775.60	1790.70	5714.85	3896.59	807.56	63.82	23.12	121.89	111.42	5714.85 Ton/day
Min	0.68	13.53	12.25	29.36	172.36	1833.42	400.78	69.94	18.81	6.94	6.54	5.40	0.68 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	8		
R-Square	0.8786		
Remarks	Continued Sediment Station		

$$QS = 1.2868 QW^{1.64100}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.91	19.19	6.41	8.63	15.74	94.94	584.50	75.73	5.27	2.45	0.79	2.45	
2	0.79	87.03	5.52	6.69	13.83	124.51	855.64	48.93	5.83	2.24	0.79	1.69	
3	0.65	120.13	4.73	5.27	10.82	58.25	562.09	34.05	5.52	2.05	0.79	1.53	
4	1.69	39.36	4.25	3.98	10.24	79.50	406.76	25.83	5.01	1.69	0.91	1.69	
5	1.69	17.11	4.25	3.50	10.24	48.93	337.27	21.36	4.73	1.35	1.20	1.86	
6	3.07	22.83	3.98	3.28	9.13	72.13	230.39	19.19	4.73	1.35	1.86	2.24	
7	39.36	14.47	24.28	3.07	7.59	280.72	204.25	17.82	4.73	1.35	3.50	2.45	
8	15.08	12.57	14.47	3.50	7.30	155.88	115.81	15.74	4.48	1.53	2.84	10.82	
9	8.11	10.24	7.59	79.50	7.30	1245.30	115.81	14.47	4.25	1.86	2.05	65.05	
10	8.63	9.13	7.30	98.94	6.69	5084.31	107.25	13.19	3.98	1.86	2.05	10.24	
11	9.68	7.59	6.97	68.50	6.10	5727.56	65.05	12.57	3.98	1.69	1.86	5.83	
12	10.24	6.97	6.69	328.95	5.52	1590.15	155.88	11.41	3.75	1.35	1.86	4.73	
13	9.68	6.41	6.69	129.08	5.27	540.02	155.88	10.82	3.50	1.53	1.53	3.98	
14	13.83	5.83	50.95	52.92	5.27	1003.35	91.01	10.24	3.50	1.35	1.35	3.98	
15	17.11	5.52	362.73	24.28	5.27	3666.11	65.05	10.24	3.50	1.20	1.06	3.50	
16	19.92	5.27	91.01	22.83	4.73	2359.05	58.25	9.68	3.28	1.06	0.91	3.07	
17	17.82	5.01	35.81	48.93	6.69	2012.43	75.73	9.13	3.28	1.06	0.91	3.28	
18	133.58	4.48	17.82	29.04	6.97	2676.94	98.94	8.63	3.07	0.91	0.91	8.63	
19	150.14	4.25	11.41	19.92	6.69	1510.87	72.13	8.11	3.07	0.91	0.91	6.41	
20	30.62	3.98	8.63	14.47	6.41	2777.89	44.97	7.30	2.64	1.06	1.53	5.52	
21	15.74	3.50	6.69	15.08	6.10	1194.01	37.53	7.30	2.64	1.20	4.73	4.48	
22	10.82	3.50	5.52	15.74	5.52	1194.01	55.01	6.97	2.64	1.20	6.97	5.27	
23	8.11	3.50	4.48	37.53	5.52	2311.54	107.25	6.69	2.64	1.20	8.63	9.13	
24	6.97	3.50	3.50	87.03	5.27	2382.94	161.69	6.41	2.64	1.35	6.10	5.27	
25	6.10	3.50	3.07	972.79	94.94	1452.21	55.01	6.41	2.64	1.35	4.48	4.25	
26	5.83	3.75	3.07	584.50	204.25	957.65	35.81	6.10	2.24	1.20	3.28	3.75	
27	9.68	5.01	2.84	198.02	167.45	2079.72	25.83	5.83	2.64	0.91	2.84	3.50	
28	12.57	6.10	3.50	91.01	52.92	2777.89	19.92	5.52	2.45	0.79	2.84	3.07	
29	10.24	10.24	17.82	44.97	30.62	1925.03	19.92	5.27	2.05	0.65		2.84	
30	11.96	10.24	16.42	27.42	24.28	884.18	22.83	5.52	2.45	0.91		8.63	
31		9.13		19.92	35.81		48.93		2.45	0.65		12.57	
Total	590.62	469.34	748.40	3049.29	790.48	48268.02	4992.39	446.46	109.58	41.26	69.48	211.71	59787.03 Ton/day
Mean	19.69	15.14	24.95	98.36	25.50	1608.93	161.04	14.88	3.53	1.33	2.48	6.83	163.80 Ton/day
Max	150.14	120.13	362.73	972.79	204.25	5727.56	855.64	75.73	5.83	2.45	8.63	65.05	5727.56 Ton/day
Min	0.65	3.50	2.84	3.07	4.73	48.93	19.92	5.27	2.05	0.65	0.79	1.53	0.65 Ton/day

WATER YEAR : 2021

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
Drainage 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	2021		
Number of observation	30		
R-Square	0.9300		
Remarks	Continued Sediment Station		

$$QS = 1.0300 QW^{1.43000}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1363.03	2188.18	1038.41	2417.24	3170.17	11696.50	79843.45	65601.45	6624.00	4203.89	2679.64	2213.29	
2	1286.95	2600.07	1052.58	2733.08	2547.42	11491.99	79165.83	65036.42	5913.87	4547.12	2679.64	2289.14	
3	1256.88	2786.84	1052.58	2974.22	2213.29	11560.04	78940.35	64472.87	5596.35	4508.58	2733.08	2417.24	
4	1347.71	2600.07	1153.37	3236.32	1966.11	13087.14	79165.83	63163.66	5108.21	4279.46	3006.62	2733.08	
5	1519.07	2391.46	1550.88	3269.54	1681.44	14832.13	76764.94	63723.76	4624.48	3942.61	3336.30	2733.08	
6	1704.65	1990.43	1869.74	3403.46	1534.95	17164.75	74624.96	61492.31	3905.70	3369.83	3369.83	3236.32	
7	1917.75	1774.84	1990.43	3722.71	1424.83	17604.74	73383.67	58396.17	3170.17	3269.54	3403.46	3650.26	
8	2138.22	1534.95	1941.88	3722.71	1332.44	15950.79	72165.52	55262.94	2759.92	3137.25	3437.19	3578.24	
9	2443.12	1378.40	1704.65	3471.03	1456.04	14206.94	71155.11	52419.70	2786.84	3104.44	2941.93	3759.10	
10	2679.64	1227.04	1566.86	3203.19	1681.44	14129.37	68548.18	50286.88	2941.93	3137.25	2813.84	3614.20	
11	2653.03	1167.99	1566.86	3006.62	1845.88	15385.75	65790.12	47156.73	3006.62	3203.19	2759.92	3403.46	
12	2600.07	1363.03	1681.44	2759.92	1822.11	28918.31	63536.89	43296.94	2786.84	2786.84	2877.67	3203.19	
13	2573.71	1332.44	1893.70	2600.07	1658.33	42032.57	63536.89	39862.29	2845.70	3039.12	2813.84	2974.22	
14	2443.12	1167.99	1990.43	3236.32	1440.41	43720.89	65601.45	36003.34	3006.62	2877.67	2877.67	2521.22	
15	2314.59	1066.81	2039.34	3832.19	1363.03	41474.26	66365.33	32440.68	3471.03	2909.75	3071.73	2365.75	
16	2039.34	996.24	2014.84	3686.43	1487.45	37918.05	65601.45	29496.88	3269.54	2845.70	2909.75	2138.22	
17	1822.11	866.26	1845.88	3203.19	1845.88	35371.77	66760.63	26889.39	3336.30	2909.75	3336.30	1990.43	
18	1774.84	844.03	1845.88	3039.12	2469.07	37148.59	74199.16	24887.14	3104.44	2941.93	4780.39	2039.34	
19	2014.84	945.43	1917.75	3203.19	2974.22	41474.26	82641.48	22657.73	3006.62	3104.44	4898.33	2188.18	
20	2213.29	1024.29	2113.37	3104.44	2786.84	45000.16	80985.39	20683.41	2845.70	3203.19	4741.26	2213.29	
21	2314.59	1109.83	2238.49	2733.08	2600.07	46146.55	80069.70	19034.94	2653.03	3336.30	3979.62	2365.75	
22	2263.77	1138.80	2188.18	2263.77	2759.92	45285.94	78057.63	17516.48	2521.22	3336.30	3614.20	2600.07	
23	2113.37	1138.80	2163.15	1966.11	2813.84	48779.86	75692.68	15704.83	2495.11	3236.32	3403.46	2909.75	
24	1893.70	1212.19	2014.84	1658.33	2653.03	54609.97	73587.28	14051.92	2547.42	3471.03	3137.25	3542.39	
25	1635.32	1347.71	1869.74	1612.40	2495.11	57566.61	72570.89	12525.26	2573.71	3578.24	2974.22	4166.25	
26	1456.04	1409.31	1635.32	2014.84	2365.75	64660.55	71558.76	10613.74	2600.07	3302.87	2733.08	4431.81	
27	1456.04	1363.03	1519.07	2521.22	2113.37	68947.34	69547.38	9581.63	2495.11	3137.25	2495.11	4053.97	
28	1471.72	1363.03	1635.32	3137.25	1869.74	75478.77	67354.90	8872.51	2600.07	2974.22	2188.18	3650.26	
29	1681.44	1393.83	1658.33	3942.61	2443.12	81457.53	65790.12	8123.11	3039.12	2909.75		2974.22	
30	1893.70	1317.22	1941.88	4317.40	3650.26	80749.63	63910.79	7326.00	3203.19	2845.70		2706.32	
31		1124.29		4016.74	7530.43		63723.76		3542.39	2733.08		2495.11	
Total	58285.65	45164.83	52695.19	94008.74	71995.99	1133851.75	2230640.52	1046581.11	104381.32	102182.61	89993.51	91157.15	5120938.37 Ton/day
Mean	1942.85	1456.93	1756.51	3032.54	2322.45	37795.06	71956.15	34886.04	3367.14	3296.21	3214.05	2940.55	14029.97 Ton/day
Max	2679.64	2786.84	2238.49	4317.40	7530.43	81457.53	82641.48	65601.45	6624.00	4547.12	4898.33	4431.81	82641.48 Ton/day
Min	1256.88	844.03	1038.41	1612.40	1332.44	11491.99	63536.89	7326.00	2495.11	2733.08	2188.18	1990.43	844.03 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	28		
R-Square	0.9641		
Remarks	Continued Sediment Station		

$$QS = 2.9046 QW^{1.20820}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	443.56	467.04	350.25	443.56	575.13	350.25	38647.02	32484.42	1623.47	520.60	520.60	455.27	
2	443.56	449.41	364.72	544.72	575.13	649.25	38906.74	32300.83	1491.85	508.61	526.61	431.90	
3	426.09	426.09	359.89	710.34	538.67	1257.58	39166.76	32239.67	1181.07	490.72	532.64	420.29	
4	461.15	455.27	350.25	748.99	508.61	3262.36	39231.81	31995.23	1076.16	496.67	526.61	414.51	
5	437.72	478.85	299.23	764.55	502.63	4569.61	39101.73	31263.86	1006.54	502.63	526.61	420.29	
6	461.15	461.15	269.47	741.23	437.72	5596.04	38776.85	30899.27	898.95	526.61	532.64	408.74	
7	455.27	455.27	277.92	532.64	389.07	6565.72	37999.05	30232.78	795.83	538.67	514.60	403.81	
8	420.29	437.72	290.67	443.56	389.07	7060.23	37030.65	28763.45	702.65	550.78	502.63	389.07	
9	426.09	437.72	290.67	461.15	364.72	7137.63	36515.94	27256.02	624.37	544.72	484.78	408.74	
10	403.81	431.90	299.23	484.78	359.89	6320.82	36130.73	26123.81	532.64	538.67	508.61	437.72	
11	461.15	426.09	286.41	449.41	364.72	6296.42	35632.43	25195.77	526.61	526.61	490.72	449.41	
12	478.85	393.97	277.92	520.60	364.72	8571.35	34453.80	23518.64	526.61	526.61	514.60	443.56	
13	478.85	379.30	282.16	764.55	374.43	12153.83	33343.56	21595.82	490.72	532.64	502.63	431.90	
14	484.78	369.57	290.67	819.44	384.18	14919.54	32790.81	19683.62	467.04	532.64	496.67	426.09	
15	478.85	364.72	282.16	819.44	355.06	16325.81	33712.94	17869.22	478.85	526.61	496.67	408.74	
16	472.94	384.18	286.41	835.23	335.87	15928.10	35259.49	16370.10	472.94	526.61	484.78	398.89	
17	562.94	374.43	350.25	624.37	331.10	15225.28	35943.73	14454.95	461.15	526.61	508.61	393.97	
18	605.83	359.89	364.72	496.67	335.87	15094.12	36580.21	12707.54	520.60	526.61	508.61	408.74	
19	599.67	369.57	379.30	472.94	355.06	16060.48	37869.68	11446.40	556.85	526.61	508.61	398.89	
20	599.67	364.72	379.30	514.60	340.65	16947.79	39101.73	10264.70	526.61	532.64	490.72	359.89	
21	532.64	374.43	369.57	514.60	321.60	18058.77	39361.97	8916.69	514.60	538.67	478.85	374.43	
22	502.63	369.57	364.72	508.61	331.10	19731.78	39361.97	7974.33	532.64	526.61	490.72	374.43	
23	496.67	316.87	364.72	526.61	316.87	22110.49	39427.07	7192.91	544.72	526.61	502.63	369.57	
24	431.90	282.16	389.07	514.60	299.23	25577.20	39361.97	6150.35	556.85	508.61	508.61	369.57	
25	420.29	273.69	379.30	520.60	294.95	27718.35	38841.79	5334.19	544.72	502.63	496.67	379.30	
26	431.90	290.67	389.07	514.60	312.15	31446.43	38128.49	4352.17	526.61	502.63	478.85	389.07	
27	420.29	326.35	403.81	514.60	335.87	34083.02	37223.98	3413.65	514.60	520.60	472.94	379.30	
28	449.41	384.18	426.09	514.60	331.10	35508.04	35943.73	2871.04	478.85	532.64	467.04	379.30	
29	467.04	359.89	437.72	467.04	312.15	37352.97	34887.23	2310.07	467.04	526.61		374.43	
30	455.27	331.10	437.72	478.85	321.60	38193.24	33836.23	1954.57	490.72	514.60		364.72	
31		345.44		562.94	340.65		33036.28		514.60	508.61		359.89	
Total	14210.26	11941.21	10293.39	17830.42	11699.57	470072.50	1145606.37	527136.07	20647.46	16211.69	14075.26	12424.43	2272148.63 Ton/day
Mean	473.68	385.20	343.11	575.17	377.41	15669.08	36955.04	17571.20	666.05	522.96	502.69	400.79	6225.06 Ton/day
Max	605.83	478.85	437.72	835.23	575.13	38193.24	39427.07	32484.42	1623.47	550.78	532.64	455.27	39427.07 Ton/day
Min	403.81	273.69	269.47	443.56	294.95	350.25	32790.81	1954.57	461.15	490.72	467.04	359.89	269.47 Ton/day

WATER YEAR : 2021

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 Kaeo.

	Ban Bang Kaeo	Amphoe Mueang	Changwat Ang Thong
Drainge 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	2021		
Number of observation	26		
R-Square	0.9837		
Remarks	Continued Sediment Station		

$$QS = 0.8261 QW^{1.40450}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	707.65	973.23	604.49	377.42	404.08	676.21	47573.52	40204.05	1873.34	1011.69	826.35	804.38	
2	760.95	893.28	544.90	395.14	377.42	782.58	47884.59	39724.41	1983.79	950.19	859.63	718.22	
3	686.65	1038.77	458.95	431.27	422.15	984.81	48404.34	39724.41	1841.20	882.02	893.28	645.19	
4	750.20	938.73	377.42	496.62	440.44	1605.38	48404.34	39538.19	1589.99	893.28	826.35	665.83	
5	782.58	848.50	292.47	614.59	431.27	2810.06	48196.25	38726.44	1544.09	848.50	927.30	676.21	
6	915.92	760.95	325.70	655.49	413.09	3756.82	48092.30	38187.98	1513.70	793.46	927.30	614.59	
7	655.49	707.65	284.32	506.18	404.08	4607.55	47366.47	37656.80	1423.60	793.46	750.20	624.75	
8	525.43	614.59	308.95	404.08	368.65	5528.24	46232.34	36106.40	1438.50	793.46	645.19	554.71	
9	515.78	645.19	404.08	468.29	325.70	5868.51	45617.07	34321.57	1291.48	676.21	686.65	718.22	
10	525.43	604.49	368.65	604.49	395.14	5629.71	45310.32	32729.40	1066.06	574.47	826.35	739.50	
11	614.59	655.49	308.95	665.83	525.43	5160.80	44698.63	31570.29	1107.37	554.71	771.74	760.95	
12	665.83	525.43	377.42	686.65	604.49	6557.00	43018.31	29449.96	984.81	707.65	750.20	728.84	
13	793.46	676.21	477.68	645.19	564.56	9858.53	41555.81	26899.64	782.58	826.35	697.13	750.20	
14	718.22	564.56	574.47	804.38	554.71	13373.59	40492.63	24309.24	771.74	760.95	728.84	739.50	
15	782.58	718.22	506.18	655.49	594.44	15852.40	41168.28	21761.23	804.38	739.50	760.95	624.75	
16	815.34	728.84	468.29	665.83	655.49	16099.27	43116.32	19769.00	782.58	750.20	750.20	554.71	
17	848.50	697.13	458.95	574.47	515.78	15300.97	44297.51	17439.71	826.35	739.50	739.50	525.43	
18	815.34	655.49	359.93	377.42	554.71	14696.86	45106.16	15118.41	927.30	697.13	815.34	544.90	
19	793.46	554.71	325.70	395.14	574.47	15667.96	46437.95	13544.14	973.23	707.65	848.50	554.71	
20	826.35	440.44	334.16	515.78	525.43	16789.86	47988.41	12098.04	782.58	782.58	804.38	535.14	
21	771.74	386.25	334.16	676.21	554.71	18228.83	48508.48	10484.34	739.50	837.40	804.38	718.22	
22	686.65	300.68	325.70	760.95	496.62	20449.74	48612.69	9145.47	893.28	815.34	771.74	697.13	
23	574.47	262.12	468.29	634.95	431.27	23308.71	48716.96	8105.43	938.73	771.74	815.34	665.83	
24	496.62	262.12	422.15	655.49	404.08	28007.21	48716.96	7004.96	998.22	614.59	826.35	718.22	
25	431.27	325.70	468.29	604.49	496.62	31077.22	48196.25	5937.26	848.50	525.43	984.81	739.50	
26	458.95	334.16	584.43	515.78	525.43	35764.43	47366.47	4963.48	826.35	594.44	984.81	771.74	
27	506.18	449.67	655.49	525.43	645.19	39724.41	46437.95	3979.12	728.84	697.13	961.69	697.13	
28	655.49	686.65	634.95	477.68	750.20	42236.49	44902.26	3217.58	564.56	782.58	882.02	604.49	
29	750.20	634.95	515.78	404.08	665.83	44698.63	43509.03	2644.93	574.47	760.95		506.18	
30	826.35	859.63	368.65	395.14	655.49	46643.83	42236.49	2190.94	793.46	718.22		506.18	
31		728.84		377.42	707.65		41168.28		984.81	728.84		477.68	
Total	20657.67	19472.67	12939.55	16967.37	15984.62	491746.61	1419333.37	646552.82	33199.39	23329.62	22866.52	20183.03	2743233.24 Ton/day
Mean	688.59	628.15	431.32	547.33	515.63	16391.55	45784.95	21551.76	1070.95	752.57	816.66	651.07	7515.71 Ton/day
Max	915.92	1038.77	655.49	804.38	750.20	46643.83	48716.96	40204.05	1983.79	1011.69	984.81	804.38	48716.96 Ton/day
Min	431.27	262.12	284.32	377.42	325.70	676.21	40492.63	2190.94	564.56	525.43	645.19	477.68	262.12 Ton/day

WATER YEAR : 2021**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	2021					
Number of observation	34					
R-Square	0.9694					
Remarks	Continued Sediment Station					

$$QS = 1.8391 QW^{1.27620}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	471.92	399.90	399.90	625.50	678.68	439.11	42451.75	33223.46	1326.34	480.20	480.20	399.90	
2	471.92	399.90	399.90	824.88	547.54	871.80	42529.81	33223.46	1013.96	480.20	480.20	399.90	
3	471.92	412.88	399.90	914.05	513.63	2663.12	42529.81	33154.95	852.96	480.20	480.20	399.90	
4	471.92	471.92	348.88	914.05	488.51	4544.54	42607.90	32744.51	806.27	480.20	480.20	399.90	
5	471.92	471.92	317.79	914.05	439.11	5739.39	42451.75	31926.98	732.78	480.20	480.20	399.90	
6	471.92	471.92	317.79	643.12	432.52	6765.90	41595.16	31655.46	643.12	480.20	480.20	399.90	
7	471.92	471.92	317.79	513.63	425.95	7576.80	40378.07	30507.17	496.86	480.20	480.20	399.90	
8	471.92	471.92	317.79	513.63	399.90	7838.83	39334.50	28619.14	425.95	480.20	480.20	399.90	
9	471.92	471.92	317.79	513.63	399.90	7411.69	38740.85	26960.01	399.90	480.20	480.20	399.90	
10	471.92	439.11	317.79	513.63	399.90	6237.72	38370.81	25873.42	399.90	480.20	480.20	399.90	
11	471.92	399.90	317.79	778.53	399.90	7605.82	37338.81	24558.68	399.90	480.20	480.20	399.90	
12	471.92	399.90	317.79	914.05	399.90	10988.08	35656.76	22423.45	399.90	480.20	480.20	399.90	
13	471.92	399.90	317.79	914.05	399.90	15122.95	34496.64	20364.83	399.90	480.20	480.20	399.90	
14	471.92	412.88	317.79	914.05	367.84	17518.68	34207.91	18316.60	399.90	480.20	480.20	399.90	
15	471.92	399.90	317.79	914.05	317.79	17940.15	36239.92	16636.12	399.90	480.20	480.20	387.00	
16	471.92	399.90	406.38	643.12	317.79	16913.75	37854.05	15080.69	399.90	480.20	480.20	361.49	
17	678.68	399.90	432.52	513.63	317.79	16144.79	38370.81	13116.38	439.11	480.20	480.20	361.49	
18	678.68	399.90	432.52	513.63	374.20	16728.55	39260.19	11562.37	480.20	480.20	480.20	342.61	
19	634.29	399.90	432.52	513.63	374.20	17658.93	41207.06	10555.08	480.20	480.20	480.20	317.79	
20	471.92	399.90	432.52	513.63	317.79	18694.73	42373.72	9371.83	480.20	480.20	480.20	317.79	
21	471.92	399.90	432.52	513.63	317.79	20008.00	42529.81	8102.77	480.20	480.20	480.20	317.79	
22	471.92	348.88	432.52	513.63	317.79	21969.85	42451.75	7303.18	480.20	480.20	480.20	317.79	
23	471.92	317.79	432.52	513.63	317.79	25513.38	42529.81	6500.65	480.20	480.20	480.20	317.79	
24	471.92	317.79	471.92	513.63	317.79	28168.72	42217.76	5323.92	480.20	480.20	439.11	317.79	
25	471.92	317.79	471.92	513.63	317.79	31519.90	40902.06	4588.38	480.20	480.20	399.90	317.79	
26	471.92	399.90	471.92	513.63	317.79	36239.92	39930.10	3499.44	480.20	480.20	399.90	317.79	
27	471.92	399.90	480.20	513.63	281.33	37559.44	38592.74	2779.55	480.20	480.20	399.90	330.15	
28	425.95	399.90	513.63	513.63	234.28	40378.07	37045.08	2384.96	480.20	480.20	399.90	348.88	
29	399.90	399.90	513.63	513.63	234.28	42373.72	35802.36	1836.09	480.20	480.20		317.79	
30	412.88	399.90	513.63	616.72	234.28	42529.81	34713.53	1446.45	480.20	480.20		317.79	
31		399.90		678.68	234.28		33635.18		480.20	480.20		317.79	
Total	14556.46	12596.84	11915.14	19940.61	11437.93	531666.14	1218346.46	513639.98	16659.35	14886.20	13083.31	11225.91	2389954.33 Tonday
Mean	485.22	406.35	397.17	643.25	368.97	17722.20	39301.50	17121.33	537.40	480.20	467.26	362.13	6547.82 Ton/day
Max	678.68	471.92	513.63	914.05	678.68	42529.81	42607.90	33223.46	1326.34	480.20	480.20	399.90	42607.90 Ton/day
Min	399.90	317.79	317.79	513.63	234.28	439.11	33635.18	1446.45	399.90	480.20	399.90	317.79	234.28 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	19		
R-Square	0.9434		
Remarks	Continued Sediment Station		

$$QS = 0.2692 QW^{1.57200}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1385.23	1481.25	1325.02	859.67	907.99	1310.12	25365.93	16681.14	2520.46	2109.16	1770.60	1400.44	
2	1481.25	1516.39	1178.80	847.74	895.82	1385.23	26019.15	16470.53	3033.14	1980.22	1623.58	1251.13	
3	1400.44	1551.82	1137.04	800.63	944.85	1400.44	26583.85	16540.62	2907.96	1903.01	1659.90	1280.50	
4	1733.41	1463.79	1058.61	957.26	957.26	1623.58	26867.86	16400.54	2567.79	1922.21	1569.65	1265.79	
5	1770.60	1339.98	824.06	1097.57	883.71	2426.77	26867.86	16126.32	2639.39	1826.92	1826.92	1222.01	
6	1999.70	1339.98	835.87	1084.53	871.66	2663.41	20294.13	16059.18	2544.09	1733.41	1714.93	1164.52	
7	1770.60	1164.52	982.25	883.71	944.85	2907.96	20458.10	15992.14	2496.92	1623.58	1400.44	1110.67	
8	1385.23	1207.54	994.83	895.82	789.01	3376.67	20130.64	15528.05	2615.44	1605.53	1280.50	1123.83	
9	1370.09	1222.01	1045.74	1084.53	812.32	3684.56	19880.06	14956.09	2311.48	1463.79	1385.23	1280.50	
10	1339.98	1207.54	871.66	1007.47	895.82	3656.17	19880.06	14258.83	2109.16	1123.83	1678.17	1295.28	
11	1415.70	1295.28	720.58	1150.31	982.25	3627.85	19755.20	13608.60	2175.85	1400.44	1605.53	1310.12	
12	1516.39	1280.50	789.01	1164.52	1032.93	3914.56	19012.05	12615.97	1941.48	1587.55	1446.41	1251.13	
13	1431.03	1222.01	994.83	1207.54	1123.83	5003.09	17755.89	11552.34	1659.90	1696.51	1370.09	1295.28	
14	1431.03	1355.00	1032.93	1251.13	1137.04	5961.56	16610.83	10543.05	1696.51	1551.82	1534.07	1280.50	
15	1431.03	1032.93	907.99	1045.74	1207.54	7132.37	16681.14	9619.54	1696.51	1516.39	1481.25	1084.53	
16	1463.79	1236.54	907.99	1137.04	1325.02	7493.76	17314.03	9134.56	1678.17	1551.82	1587.55	1020.17	
17	1463.79	1207.54	847.74	1058.61	1110.67	7177.19	18155.82	8533.46	1826.92	1516.39	1400.44	994.83	
18	1463.79	1222.01	777.45	932.50	1178.80	6954.13	18889.21	8008.36	1980.22	1659.90	1446.41	1020.17	
19	1569.65	1137.04	687.22	969.72	1137.04	7177.19	19755.20	7675.11	1960.82	1534.07	1463.79	982.25	
20	1733.41	1032.93	765.95	1137.04	1058.61	7539.39	20787.48	7229.03	1605.53	1623.58	1339.98	1007.47	
21	1733.41	994.83	847.74	1325.02	1150.31	8235.81	21619.27	6792.75	1696.51	1696.51	1370.09	1236.54	
22	1789.31	969.72	824.06	1310.12	1032.93	9365.45	22306.25	6310.36	1883.88	1659.90	1339.98	1150.31	
23	1659.90	920.21	982.25	1236.54	932.50	10507.34	22829.88	6215.12	1960.82	1623.58	1385.23	1164.52	
24	1415.70	944.85	754.51	1178.80	969.72	12531.32	22829.88	5753.22	1960.82	1415.70	1446.41	1236.54	
25	1339.98	994.83	800.63	1164.52	1071.54	14121.72	22567.51	5143.02	1789.31	1193.14	1714.93	1295.28	
26	1097.57	1032.93	1058.61	1020.17	1097.57	16437.85	21787.05	4524.51	1770.60	1325.02	1714.93	1325.02	
27	1123.83	1058.61	1123.83	1123.83	1295.28	18889.21	21118.77	4002.11	1569.65	1587.55	1659.90	1207.54	
28	1137.04	1207.54	1071.54	1007.47	1400.44	20706.23	19880.06	3431.92	1385.23	1696.51	1569.65	1058.61	
29	1251.13	1280.50	1007.47	932.50	1310.12	22368.85	18783.79	2982.84	1431.03	1678.17		957.26	
30	1415.70	1415.70	907.99	932.50	1355.00	24260.25	17844.75	2687.51	1808.08	1481.25		932.50	
31		1310.12		932.50	1325.02		17226.14		2109.16	1516.39		920.21	
Total	44519.71	37646.44	28064.20	32737.05	33137.45	243840.03	645857.84	305376.82	63332.83	49803.85	42786.56	36125.45	1563228.23 Ton/day
Mean	1483.99	1214.40	935.47	1056.03	1068.95	8128.00	20834.12	10179.23	2042.99	1606.58	1528.09	1165.34	4282.82 Ton/day
Max	1999.70	1551.82	1325.02	1325.02	1400.44	24260.25	26867.86	16681.14	3033.14	2109.16	1826.92	1400.44	26867.86 Ton/day
Min	1097.57	920.21	687.22	800.63	789.01	1310.12	16610.83	2687.51	1385.23	1123.83	1280.50	920.21	687.22 Ton/day

WATER YEAR : 2021

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.		
Method of sampling	Depth Integrating		
Instrument Used	US.D-49		
Period of Available Records	1969-Cont'd		
Actual Measurement	1969-Cont'd		
Using Rating Curve Water Year	2021		
Number of observation	10		
R-Square	0.8921		
Remarks	Continued Sediment Station		

$$QS = 2.0380 QW^{1.63470}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	85.60	665.39	133.59	53.72	173.50	3933.22	3419.17	813.05	102.09	35.46	16.54	14.21	
2	73.98	462.02	110.75	49.06	163.14	1103.02	3629.96	542.53	102.09	35.46	16.54	14.21	
3	71.31	2626.02	97.86	47.01	153.04	1240.44	3377.60	828.44	97.86	33.66	17.76	13.09	
4	81.65	451.12	89.61	51.37	163.14	3758.77	3377.60	1027.33	93.70	33.66	17.76	12.01	
5	168.29	350.28	81.65	49.06	173.50	1122.26	3377.60	637.25	93.70	31.90	17.76	14.21	
6	309.48	302.95	71.31	51.37	158.06	555.70	3419.17	495.31	89.61	31.90	25.76	13.09	
7	168.29	357.69	68.68	56.11	153.04	782.60	3502.90	419.05	89.61	30.18	21.62	21.62	
8	153.04	283.68	68.68	53.72	143.19	637.25	3377.60	542.53	85.60	30.18	19.01	43.02	
9	148.08	240.67	66.09	58.55	138.36	451.12	3377.60	595.93	81.65	28.67	16.54	85.60	
10	115.19	211.65	66.09	1748.45	128.89	462.02	3377.60	429.64	77.78	28.67	16.54	37.30	
11	93.70	194.94	66.09	828.44	119.69	679.64	3377.60	380.25	77.78	28.67	16.54	25.76	
12	89.61	189.49	66.09	971.95	115.19	637.25	3377.60	350.28	77.78	27.20	16.54	21.62	
13	106.39	163.14	66.09	316.07	119.69	419.05	5702.63	322.71	77.78	27.20	17.76	19.01	
14	89.61	143.19	66.09	283.68	128.89	517.99	3377.60	309.48	73.98	25.76	16.54	16.54	
15	81.65	133.59	66.09	302.95	133.59	637.25	3587.41	290.05	73.98	25.76	106.39	15.36	
16	77.78	124.26	77.78	506.60	128.89	971.95	3587.41	223.08	77.78	25.76	63.54	14.21	
17	73.98	110.75	93.70	462.02	128.89	955.56	6370.46	178.77	51.37	24.35	128.89	16.54	
18	73.98	119.69	93.70	296.47	115.19	623.36	5196.27	178.77	49.06	24.35	51.37	14.21	
19	97.86	138.36	89.61	240.67	106.39	637.25	5077.75	173.50	47.01	24.35	45.00	39.17	
20	89.61	124.26	73.98	217.34	115.19	1064.91	3758.77	163.14	47.01	22.96	115.19	33.66	
21	110.75	106.39	68.68	211.65	110.75	3587.41	3377.60	153.04	43.02	25.76	43.02	21.62	
22	119.69	102.09	63.54	206.02	124.26	11941.49	3460.93	143.19	39.17	24.35	28.67	20.30	
23	110.75	97.86	61.02	217.34	143.19	5572.53	3587.41	138.36	41.08	24.35	22.96	19.01	
24	97.86	89.61	56.11	211.65	133.59	6507.45	3545.05	143.19	39.17	25.76	21.62	24.35	
25	85.60	89.61	53.72	194.94	173.50	4304.26	3377.60	133.59	39.17	24.35	19.01	158.06	
26	77.78	93.70	51.37	194.94	173.50	31180.52	3377.60	124.26	37.30	24.35	19.01	35.46	
27	258.77	81.65	53.72	228.89	258.77	17606.64	2440.60	119.69	39.17	21.62	16.54	22.96	
28	939.29	89.61	53.72	240.67	2155.03	6854.86	609.59	115.19	37.30	21.62	15.36	25.76	
29	2588.51	158.06	53.72	252.68	1673.39	4110.72	542.53	110.75	37.30	20.30		217.34	
30	3254.08	148.08	53.72	223.08	679.64	3377.60	651.26	106.39	35.46	20.30		66.09	
31		148.08		194.94	1027.33		875.29		35.46	19.01		39.17	
Total	9892.16	8597.88	2182.85	9021.41	9412.41	116234.09	103495.76	10188.74	1990.82	827.87	949.78	1134.56	273928.33 Tonday
Mean	329.74	277.35	72.76	291.01	303.63	3874.47	3338.57	339.62	64.22	26.71	33.92	36.60	750.49 Ton/day
Max	3254.08	2626.02	133.59	1748.45	2155.03	31180.52	6370.46	1027.33	102.09	35.46	128.89	217.34	31180.52 Ton/day
Min	71.31	81.65	51.37	47.01	106.39	419.05	542.53	106.39	35.46	19.01	15.36	12.01	12.01 Ton/day

WATER YEAR : 2021**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.		
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	2021		
Number of observation	4		
R-Square	0.9980		
Remarks	Continued Sediment Station		

$$QS = 2.7042 QW^{1.18560}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	0.00	84.33	2356.87	367.57	0.00	0.00	0.00	0.00	
2	0.00	4.90	0.00	0.00	0.00	190.57	1750.56	388.41	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	577.33	1488.86	232.42	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	482.13	1318.25	232.42	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	346.91	939.93	346.91	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	610.14	750.24	197.45	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	310.21	790.79	124.03	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	124.03	1063.90	77.78	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	61.79	1167.59	87.64	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	84.33	837.64	74.53	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	190.57	357.21	43.68	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	170.15	163.42	8.97	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.00	94.31	757.98	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.00	68.11	947.30	15.66	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.00	58.66	1488.86	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.00	176.91	1645.09	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.00	521.35	1575.35	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	20.41	0.00	577.33	1437.34	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	77.78	0.00	190.57	1514.73	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	90.96	0.00	77.78	1523.37	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	49.44	0.00	270.22	1310.65	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.00	852.13	888.55	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	1115.56	830.40	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.00	1445.91	801.56	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	1785.94	757.98	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	2398.56	398.90	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	2954.32	294.11	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.00	3660.46	104.45	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	3714.05	163.42	0.00	0.00	0.00		0.00	
30	0.00	0.00	0.00	0.00	104.45	3182.85	388.41	0.00	0.00	0.00		0.00	
31		0.00		0.00	183.72		430.62		0.00	0.00		0.00	
Total	0.00	4.90	0.00	238.59	288.17	26377.51	30244.33	2197.47	0.00	0.00	0.00	0.00	59350.97 Tonday
Mean	0.00	0.16	0.00	7.70	9.30	879.25	975.62	73.25	0.00	0.00	0.00	0.00	162.61 Ton/day
Max	0.00	4.90	0.00	90.96	183.72	3714.05	2356.87	388.41	0.00	0.00	0.00	0.00	3714.05 Ton/day
Min	0.00	0.00	0.00	0.00	0.00	58.66	104.45	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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.				
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	2021					
Number of observation	12					
R-Square	0.9561					
Remarks	Continued Sediment Station					

$$QS = 7.4876 QW^{1.17530}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.70	2.70	2.70	2.70	0.33	942.57	9193.65	1564.75	0.00	0.00	0.00	0.00	
2	2.70	2.70	2.70	2.70	0.33	793.83	7440.91	1494.70	0.00	0.00	0.00	0.00	
3	2.70	2.70	2.70	2.70	0.33	1647.06	5724.37	1242.17	0.00	0.00	0.00	0.00	
4	2.70	2.70	2.70	2.70	0.33	1759.76	5113.51	1047.67	0.00	0.00	0.00	0.00	
5	2.70	2.70	2.70	2.70	0.00	1425.15	3839.96	1174.54	0.00	0.00	0.00	0.00	
6	2.70	2.70	2.70	2.70	0.00	1529.67	3094.99	1109.72	0.00	0.00	0.00	0.00	
7	2.70	2.70	2.70	2.70	0.00	1494.70	2719.25	812.21	0.00	0.00	0.00	0.00	
8	2.70	2.70	2.70	2.70	0.00	951.99	3260.98	749.56	0.00	0.00	0.00	0.00	
9	2.70	2.70	2.70	2.70	0.00	718.86	3839.96	711.22	0.00	0.00	0.00	0.00	
10	2.70	2.70	2.70	2.70	0.00	490.06	3409.60	466.51	0.00	0.00	0.00	0.00	
11	2.70	2.70	2.70	2.70	0.00	839.90	2639.92	379.79	0.00	0.00	0.00	0.00	
12	2.70	2.70	2.70	2.70	0.00	980.33	2592.49	238.38	0.00	0.00	0.00	0.00	
13	2.70	2.70	2.70	2.70	0.00	867.72	2687.47	120.06	0.00	0.00	0.00	0.00	
14	2.70	2.70	2.70	2.70	0.00	620.49	3670.90	114.75	0.00	0.00	0.00	0.00	
15	2.70	2.70	2.70	2.70	0.00	507.84	4869.80	128.08	0.00	0.00	0.00	0.00	
16	2.70	2.70	2.70	2.70	0.00	703.59	5639.18	63.92	0.00	0.00	0.00	0.00	
17	2.70	2.70	2.70	2.70	0.00	1529.67	5667.56	33.30	0.00	0.00	0.00	0.00	
18	2.70	2.70	2.70	2.70	0.00	1787.60	5358.96	51.04	0.00	0.00	0.00	0.00	
19	2.70	2.70	2.70	2.70	0.00	1425.15	5276.96	13.39	0.00	0.00	0.00	0.00	
20	2.70	2.70	2.70	2.70	0.00	858.43	5812.12	11.12	0.00	0.00	0.00	0.00	
21	2.70	2.70	2.70	38.64	0.00	914.39	5276.96	12.25	0.00	0.00	0.00	0.00	
22	2.70	2.70	2.70	138.90	0.00	2140.96	4274.25	11.12	0.00	0.00	0.00	0.00	
23	2.70	2.70	2.70	107.12	0.00	3298.05	3586.79	3.24	0.00	0.00	0.00	0.00	
24	2.70	2.70	2.70	25.53	0.00	4204.03	3279.51	0.00	0.00	0.00	0.00	0.00	
25	2.70	2.70	2.70	0.33	0.00	5195.14	2930.31	0.00	0.00	0.00	0.00	0.00	
26	2.70	2.70	2.70	0.33	0.00	7190.27	2624.10	0.00	0.00	0.00	0.00	0.00	
27	2.70	2.70	2.70	0.33	0.00	9479.06	2576.71	0.00	0.00	0.00	0.00	0.00	
28	2.70	2.70	2.70	0.33	0.00	10384.30	1899.64	0.00	0.00	0.00	0.00	0.00	
29	2.70	2.70	2.70	0.33	0.00	9971.30	1078.63	0.00	0.00	0.00		0.00	
30	2.70	2.70	2.70	0.33	4.35	9683.71	1506.35	0.00	0.00	0.00		0.00	
31		2.70		0.33	605.55		1658.87		0.00	0.00		0.00	
Total	81.00	83.70	81.00	366.50	611.22	84335.58	122544.66	11553.49	0.00	0.00	0.00	0.00	219657.15 Tonday
Mean	2.70	2.70	2.70	11.82	19.72	2811.19	3953.05	385.12	0.00	0.00	0.00	0.00	601.80 Ton/day
Max	2.70	2.70	2.70	138.90	605.55	10384.30	9193.65	1564.75	0.00	0.00	0.00	0.00	10384.30 Ton/day
Min	2.70	2.70	2.70	0.33	0.00	490.06	1078.63	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021

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.		
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	2021		
Number of observation	13		
R-Square	0.8856		
Remarks	Continued Sediment Station		

$$QS = 8.0954 QW^{1.18650}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	55.43	0.00	0.00	0.00	31.82	99.71	340.01	15.62	19.85	0.00	21.30	
2	0.00	27.23	0.00	0.00	0.00	58.30	305.21	205.68	0.35	19.85	0.00	0.00	
3	0.00	21.30	0.00	0.00	0.00	33.38	285.43	259.39	25.73	19.85	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	31.82	375.73	416.26	21.30	28.75	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	38.72	399.54	382.93	11.56	104.00	0.00	0.00	
6	0.00	0.00	298.60	0.00	0.00	28.75	637.80	347.11	5.30	125.85	0.00	0.00	
7	0.00	0.00	399.54	0.00	0.00	27.23	1173.45	298.60	0.00	153.80	0.00	0.00	
8	24.24	0.00	433.09	0.00	0.00	21.30	733.51	292.00	0.00	163.62	0.00	0.00	
9	1.79	0.00	512.81	0.00	0.00	17.01	657.69	305.21	0.00	168.56	0.00	0.00	
10	0.00	0.00	531.30	71.21	0.00	12.89	744.44	240.62	0.00	178.51	0.00	0.00	
11	0.00	0.00	522.04	407.89	0.00	46.96	824.67	285.43	0.00	183.52	1.27	0.00	
12	0.00	0.00	503.60	38.72	0.00	27.23	766.39	228.88	0.00	178.51	46.96	0.00	
13	0.00	0.00	441.54	21.30	0.00	19.85	1840.82	183.52	0.00	178.51	71.21	0.00	
14	0.00	0.00	424.66	6.49	21.30	8.97	848.16	139.27	0.00	178.51	99.71	0.00	
15	0.00	0.00	399.54	46.96	24.24	6.49	1214.51	104.00	0.00	183.52	95.45	0.00	
16	0.00	0.00	382.93	64.50	0.00	6.49	1510.00	78.02	0.00	188.55	74.60	0.00	
17	0.00	0.00	361.37	246.53	0.00	3.47	2950.19	49.75	3.47	88.41	64.50	0.00	
18	0.00	0.00	340.01	240.62	0.00	1.79	4892.26	27.23	10.25	0.00	58.30	0.00	
19	0.00	0.00	194.24	81.46	0.00	74.60	3306.63	21.30	19.85	0.00	33.38	0.00	
20	0.00	0.00	0.00	49.75	0.00	71.21	1840.82	22.76	19.85	0.00	21.30	0.00	
21	0.00	0.00	0.00	38.72	0.00	325.88	1395.99	22.76	3.47	0.00	1.27	0.00	
22	0.00	0.00	0.00	31.82	19.85	272.37	1065.06	24.24	2.33	0.00	46.96	0.00	
23	0.00	0.00	0.00	28.75	0.00	424.66	985.71	25.73	8.97	0.00	71.21	0.00	
24	0.00	0.00	0.00	25.73	0.00	848.16	668.44	24.24	18.43	0.00	99.71	0.00	
25	0.00	0.00	0.00	24.24	0.00	234.74	173.52	24.24	25.73	0.00	95.45	0.00	
26	0.00	0.00	0.00	22.76	0.00	1626.49	188.55	24.24	27.23	0.00	74.60	0.00	
27	0.00	22.76	0.00	21.30	25.73	531.30	228.88	22.76	27.23	0.00	64.50	0.00	
28	0.00	0.00	0.00	17.01	44.18	173.52	332.93	15.62	24.24	0.00	58.30	0.00	
29	30.28	71.21	0.00	7.71	74.60	91.92	325.88	6.49	25.73	0.00		0.00	
30	64.50	81.46	0.00	0.00	55.43	64.50	340.01	24.24	21.30	0.00		0.00	
31		7.71		0.00	36.03		332.93		19.85	0.00		0.00	
Total	120.81	287.10	5745.27	1493.47	301.36	5161.82	31444.86	4442.53	337.79	2162.17	1078.68	21.30	52597.16 Ton/day
Mean	4.03	9.26	191.51	48.18	9.72	172.06	1014.35	148.08	10.90	69.75	38.52	0.69	144.10 Ton/day
Max	64.50	81.46	531.30	407.89	74.60	1626.49	4892.26	416.26	27.23	188.55	99.71	21.30	4892.26 Ton/day
Min	0.00	0.00	0.00	0.00	0.00	1.79	99.71	6.49	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	17		
R-Square	0.7863		
Remarks	Continued Sediment Station		

$$QS = 10.6994 QW^{1.65430}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	21.39	10.00	24.25	54.65	3769.51	2563.78	344.80	33.68	0.00	0.00	46.80	
2	0.00	34.80	4.10	40.62	37.09	1816.43	2068.39	769.81	30.40	0.00	0.00	68.80	
3	0.00	64.42	2.35	17.79	43.05	1011.55	1577.58	389.94	28.29	0.00	0.00	79.45	
4	0.00	43.05	5.11	6.21	34.80	661.63	1524.37	257.51	26.24	0.00	0.00	43.05	
5	0.00	54.65	8.66	3.63	272.63	1595.48	998.74	206.76	28.29	0.00	0.00	10.70	
6	0.00	25.24	2.75	3.18	76.34	3577.08	515.04	172.04	37.09	0.00	0.00	6.80	
7	0.00	38.25	2.75	3.18	38.25	5452.60	430.36	157.42	34.80	0.16	1.97	6.21	
8	0.00	14.47	68.80	10.70	23.28	2732.85	531.53	161.03	22.33	1.62	0.05	6.80	
9	125.99	18.67	444.19	262.51	16.10	5411.00	451.16	128.82	19.56	3.18	0.00	16.10	
10	65.87	150.31	812.53	617.01	10.00	22100.32	679.82	112.22	18.67	4.10	0.00	153.85	
11	46.80	56.01	314.59	277.74	5.11	22100.32	812.53	106.89	17.79	4.10	0.00	61.57	
12	39.43	8.66	812.53	161.03	2.35	20164.16	2396.00	104.26	17.79	2.75	0.00	29.34	
13	84.20	4.60	202.77	157.42	1.01	17704.18	3545.40	96.54	16.10	1.62	0.00	24.25	
14	48.07	2.75	58.76	71.78	1.62	10134.03	5494.32	91.52	12.91	0.52	0.00	23.28	
15	25.24	1.62	748.80	376.82	12.15	9422.86	2209.37	87.42	11.42	0.52	0.00	34.80	
16	24.25	0.75	738.38	237.89	10.70	6189.86	1722.99	84.20	10.70	0.16	0.52	28.29	
17	37.09	0.32	183.33	451.16	172.04	5832.65	10585.13	89.05	10.70	0.05	10.70	29.34	
18	48.07	5.11	383.36	164.67	61.57	8393.64	7185.31	79.45	10.00	0.52	24.25	31.48	
19	62.99	7.40	164.67	54.65	16.94	4802.23	2563.78	79.45	4.10	0.52	30.40	44.29	
20	79.45	54.65	50.67	81.02	6.21	6690.41	1386.03	76.34	4.60	0.16	17.79	43.05	
21	85.80	617.01	19.56	131.67	3.18	11667.64	867.20	71.78	4.10	0.05	17.79	35.94	
22	67.33	32.57	8.02	146.80	28.29	6636.29	2009.10	68.80	4.10	0.00	38.25	26.24	
23	26.24	3.63	5.65	228.31	12.15	6374.93	3900.01	67.33	3.63	0.16	15.27	33.68	
24	20.47	0.52	11.42	1854.34	1.97	8216.49	1320.01	67.33	2.75	5.65	10.70	43.05	
25	16.10	0.00	12.15	3801.97	3.18	8692.19	728.02	64.42	2.75	13.68	8.02	37.09	
26	16.94	29.34	5.11	6799.18	24.25	15429.08	506.87	60.16	1.30	4.10	6.21	48.07	
27	13.68	54.65	7.40	6636.29	76.34	16758.52	423.52	56.01	0.00	1.30	8.66	44.29	
28	12.15	61.57	13.68	2459.53	120.40	12955.28	351.12	54.65	0.00	0.00	26.24	34.80	
29	46.80	370.33	16.10	490.69	134.55	7522.95	288.09	53.31	0.00	0.00		33.68	
30	23.28	137.45	12.91	206.76	233.08	4166.23	326.13	50.67	0.00	0.00		65.87	
31		26.24		101.66	1854.34		293.31		0.00	0.00		539.85	
Total	1016.24	1940.43	5131.10	25880.46	3387.62	257982.39	60255.01	4209.93	414.09	44.92	216.82	1730.81	362209.82 Tonday
Mean	33.87	62.59	171.04	834.85	109.28	8599.41	1943.71	140.33	13.36	1.45	7.74	55.83	992.36 Ton/day
Max	125.99	617.01	812.53	6799.18	1854.34	22100.32	10585.13	769.81	37.09	13.68	38.25	539.85	22100.32 Ton/day
Min	0.00	0.00	2.35	3.18	1.01	661.63	288.09	50.67	0.00	0.00	0.00	6.21	0.00 Ton/day

WATER YEAR : 2021

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
Drainage 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	2021					
Number of observation	14					
R-Square	0.7898					
Remarks	Continued Sediment Station					

$$QS = 2.9053 QW^{1.65730}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	59.44	11.80	0.00	87.06	1503.15	14012.35	1418.03	25.40	0.00	0.00	0.00	
2	0.00	94.98	4.78	0.00	53.81	1646.97	13427.37	1731.13	2.81	0.00	0.00	0.00	
3	0.00	79.77	2.81	0.00	30.24	1294.07	12078.02	1680.43	0.00	0.00	0.00	0.00	
4	0.00	108.80	0.58	0.00	35.79	1135.88	8897.29	1376.21	0.00	0.00	0.00	0.00	
5	0.00	94.98	0.00	0.00	48.41	1200.80	5838.86	1123.06	0.00	0.00	0.00	0.00	
6	0.00	59.44	0.00	0.00	105.97	1418.03	3522.29	536.18	0.00	0.00	0.00	0.00	
7	0.00	46.66	0.00	0.00	59.44	2047.69	2047.69	304.16	0.00	0.00	0.00	0.00	
8	0.00	38.70	0.00	0.00	19.97	2486.45	1517.53	233.23	0.00	0.00	0.00	0.00	
9	0.00	25.40	0.00	0.00	7.21	1993.47	1294.07	190.52	0.00	0.00	0.00	0.00	
10	0.00	18.95	2.81	0.00	2.13	3235.05	1148.75	131.97	0.00	0.00	0.00	0.00	
11	0.00	26.55	105.97	34.36	0.77	6029.84	1187.70	108.80	0.00	0.00	0.00	0.00	
12	0.00	73.42	41.70	103.18	0.13	8026.12	1630.34	113.29	0.00	0.00	0.00	0.00	
13	0.00	44.94	97.69	89.67	0.00	8792.96	2444.54	100.42	0.00	0.00	0.00	0.00	
14	0.00	34.36	63.32	69.31	0.00	9426.25	3442.99	94.98	0.00	0.00	0.00	0.00	
15	0.00	44.94	40.19	27.72	0.00	9679.63	4391.75	87.06	0.00	0.00	0.00	0.00	
16	0.00	50.19	173.38	69.31	0.00	10064.68	4391.75	81.93	0.00	0.00	0.00	0.00	
17	0.00	40.19	173.38	89.67	0.77	11053.17	6904.90	77.63	0.00	0.00	0.00	0.00	
18	0.00	55.67	81.93	146.72	35.79	11390.78	9319.49	81.93	0.00	0.00	0.00	0.00	
19	0.00	41.70	69.31	73.42	25.40	11255.25	11053.17	71.35	0.00	0.00	0.00	0.00	
20	40.19	32.96	35.79	30.24	9.39	10852.54	11595.27	59.44	0.00	0.00	0.00	0.00	
21	57.54	26.55	6.66	28.91	4.37	10064.68	10653.37	59.44	0.00	0.00	0.00	0.00	
22	57.54	67.29	0.25	23.17	0.77	9679.63	8076.37	61.37	0.00	0.00	0.00	0.00	
23	50.19	31.59	0.00	40.19	0.00	10064.68	6999.73	61.37	0.00	0.00	0.00	0.00	
24	43.24	17.26	0.00	67.29	1.01	10455.67	6952.25	57.54	0.00	0.00	0.00	0.00	
25	30.24	13.71	0.00	1148.75	0.40	11120.37	6119.73	51.99	0.00	0.00	0.00	0.00	
26	25.40	13.09	0.00	1697.27	0.00	12568.55	4166.64	41.70	0.00	0.00	0.00	0.00	
27	23.17	13.71	0.00	2142.63	0.00	14160.14	2382.21	37.23	0.00	0.00	0.00	0.00	
28	21.01	11.80	0.00	2181.08	57.54	14832.77	1646.97	34.36	0.00	0.00	0.00	0.00	
29	22.08	7.21	0.00	1488.83	223.72	14457.56	1307.63	27.72	0.00	0.00		0.00	
30	24.27	24.27	0.00	879.13	821.89	14308.54	1334.89	25.40	0.00	0.00		0.00	
31		44.94		645.48	949.82		1446.19		0.00	0.00		0.00	
Total	394.87	1343.46	912.35	11076.33	2581.80	236245.37	171232.10	10059.87	28.21	0.00	0.00	0.00	433874.36 Tonday
Mean	13.16	43.34	30.41	357.30	83.28	7874.85	5523.62	335.33	0.91	0.00	0.00	0.00	1188.70 Ton/day
Max	57.54	108.80	173.38	2181.08	949.82	14832.77	14012.35	1731.13	25.40	0.00	0.00	0.00	14832.77 Ton/day
Min	0.00	7.21	0.00	0.00	0.00	1135.88	1148.75	25.40	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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	2021				
Number of observation	20				
R-Square	0.9594				
Remarks	Continued Sediment Station				

$$QS = 5.1580 QW^{1.07190}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	8.19	11.31	12.65	7.51	4.33	3.79	14.60	38.99	4.06	9.57	7.51	13.30	
2	34.20	11.31	12.65	8.88	4.33	3.79	15.91	26.23	4.06	9.57	7.51	13.30	
3	34.20	11.31	12.65	8.88	5.16	3.79	15.91	18.55	4.33	9.57	7.51	13.30	
4	34.20	11.31	13.30	8.88	9.22	3.79	17.22	18.55	4.33	9.57	7.51	13.30	
5	34.20	11.31	13.30	8.19	9.22	3.79	19.88	9.22	4.06	9.57	7.51	13.30	
6	35.20	11.66	12.65	6.83	9.22	3.79	20.54	4.61	4.06	9.57	7.51	13.30	
7	34.20	11.66	12.65	6.50	8.88	3.79	20.54	35.20	4.06	9.57	7.51	13.30	
8	34.20	12.01	12.65	6.50	8.88	3.79	20.54	122.48	3.79	9.57	7.51	13.30	
9	34.20	12.01	12.65	6.83	8.54	3.52	19.88	85.63	3.79	9.57	7.51	13.30	
10	34.20	12.65	23.90	6.50	5.49	3.52	19.88	4.61	3.79	9.57	7.51	13.30	
11	34.20	13.30	35.20	6.16	4.61	3.25	19.88	4.33	3.79	9.57	7.51	13.30	
12	34.20	13.95	35.20	5.82	4.33	3.25	19.88	4.33	3.79	9.22	7.51	13.30	
13	34.20	14.60	23.90	6.16	6.83	3.25	19.88	4.33	4.33	9.22	7.51	14.60	
14	35.20	13.95	12.65	6.83	8.88	3.25	19.88	4.33	5.82	9.22	7.51	15.25	
15	34.20	12.65	12.65	5.82	8.88	3.25	21.21	4.33	6.50	9.22	7.51	16.57	
16	34.20	12.65	12.65	5.49	8.88	3.25	21.88	8.88	6.50	9.22	7.51	18.55	
17	34.20	12.65	12.65	5.49	8.88	3.25	92.32	13.95	6.50	9.22	7.51	19.21	
18	34.20	12.65	12.65	4.88	8.54	3.25	110.21	4.06	6.50	9.57	9.22	19.21	
19	29.20	12.65	12.65	4.33	8.54	3.25	26.23	15.91	6.50	8.54	11.31	19.21	
20	24.57	12.65	15.91	4.33	7.85	3.25	4.88	4.61	6.50	7.51	11.31	19.21	
21	24.57	13.30	23.22	4.33	4.33	3.25	4.61	4.33	6.50	7.85	11.66	19.21	
22	23.90	12.65	21.21	4.33	4.33	3.25	5.16	19.21	6.50	7.51	13.95	19.21	
23	23.90	21.88	26.23	4.33	9.22	3.25	20.54	4.61	6.50	7.51	13.30	19.21	
24	23.90	38.99	58.26	4.33	10.26	4.61	15.25	4.33	6.50	7.51	13.30	19.21	
25	23.90	24.57	44.08	4.33	8.54	4.33	4.61	4.06	6.50	7.51	13.30	19.21	
26	23.90	12.01	23.22	4.33	8.54	4.06	4.61	17.22	6.50	7.51	13.30	18.55	
27	23.90	12.01	23.22	4.33	7.51	16.57	4.61	4.33	7.17	7.51	13.30	18.55	
28	23.90	12.01	15.91	4.33	4.33	143.10	6.83	4.33	8.54	7.85	13.30	18.55	
29	25.25	12.01	7.85	4.33	4.33	221.71	21.88	9.92	8.88	7.51		18.55	
30	17.22	12.65	7.51	4.33	4.33	69.06	14.60	4.33	9.57	7.51		18.55	
31		12.65		4.33	4.33		17.89		9.57	7.51		18.55	
Total	879.70	432.97	575.87	178.44	219.54	543.05	661.74	509.80	179.79	269.50	264.92	508.76	5224.08 Tonday
Mean	29.32	13.97	19.20	5.76	7.08	18.10	21.35	16.99	5.80	8.69	9.46	16.41	14.31 Ton/day
Max	35.20	38.99	58.26	8.88	10.26	221.71	110.21	122.48	9.57	9.57	13.95	19.21	221.71 Ton/day
Min	8.19	11.31	7.51	4.33	4.33	3.25	4.61	4.06	3.79	7.51	7.51	13.30	3.25 Ton/day

WATER YEAR : 2021

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.		
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	2021		
Number of observation	20		
R-Square	0.9472		
Remarks	Continued Sediment Station		

$$QS = 3.8671 QW^{1.14770}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	186.31	107.63	297.25	128.71	49.62	69.29	12132.14	3204.69	155.10	419.91	386.34	330.07	
2	186.31	82.57	284.25	140.63	40.25	71.49	12931.46	3236.33	155.10	432.59	398.89	320.18	
3	186.31	67.11	281.01	140.63	36.32	73.69	13062.20	3173.09	167.29	424.14	386.34	313.60	
4	186.31	57.84	277.78	140.63	50.98	60.62	12931.46	3334.86	152.67	307.05	313.60	411.49	
5	192.46	53.71	268.11	140.63	52.34	60.62	12206.21	3863.03	152.67	271.33	365.54	336.68	
6	198.63	52.34	261.68	287.49	126.35	62.77	11025.39	4159.81	152.67	258.48	271.33	349.02	
7	204.84	50.98	258.48	300.51	152.67	48.27	9875.51	4234.44	152.67	258.48	201.73	336.68	
8	192.46	53.71	248.90	229.88	152.67	42.91	8665.21	4371.70	152.67	274.55	229.88	333.37	
9	189.38	59.23	248.90	116.94	147.84	48.27	7393.90	4409.24	155.10	271.33	271.33	330.07	
10	189.38	80.34	242.54	60.62	135.84	56.46	6128.90	3645.12	155.10	313.60	271.33	271.33	
11	189.38	60.62	248.90	69.29	131.08	62.77	4761.49	2184.25	195.54	333.37	369.69	261.68	
12	189.38	55.08	284.25	52.34	131.08	64.94	2558.28	1102.70	214.18	333.37	445.32	261.68	
13	183.24	128.71	303.78	52.34	131.08	44.24	585.37	648.80	233.04	340.79	453.84	320.18	
14	157.53	150.25	316.89	48.27	143.03	33.73	1648.11	492.39	248.90	287.49	470.92	330.07	
15	162.40	147.84	349.02	119.28	128.71	35.02	2595.17	353.14	255.28	255.28	462.37	320.18	
16	164.84	198.63	307.05	121.63	164.84	42.91	3645.12	316.89	264.89	220.45	436.83	307.05	
17	155.10	284.25	236.20	71.49	169.74	31.16	4850.09	300.51	271.33	258.48	432.59	320.18	
18	155.10	293.99	183.24	50.98	164.84	23.63	5999.17	297.25	274.55	316.89	428.36	320.18	
19	162.40	293.99	164.84	53.71	164.84	21.18	6432.97	252.09	290.74	326.77	378.00	326.77	
20	172.20	290.74	155.10	48.27	164.84	22.40	6360.40	242.54	297.25	258.48	357.27	398.89	
21	155.10	287.49	147.84	40.25	164.84	41.58	6244.51	220.45	303.78	264.89	340.79	428.36	
22	150.25	284.25	167.29	32.44	133.46	49.62	6258.98	220.45	378.00	274.55	336.68	419.91	
23	135.84	287.49	214.18	42.91	107.63	44.24	6389.42	242.54	394.70	277.78	281.01	436.83	
24	128.71	349.02	217.31	48.27	109.95	80.34	6462.03	217.31	382.17	281.01	268.11	458.10	
25	128.71	361.40	207.95	50.98	96.13	69.29	6360.40	207.95	271.33	277.78	271.33	445.32	
26	133.46	349.02	189.38	50.98	91.58	297.25	5769.43	214.18	290.74	274.55	373.84	428.36	
27	138.23	390.52	147.84	49.62	91.58	843.72	5015.19	186.31	293.99	287.49	419.91	428.36	
28	123.99	394.70	128.71	46.92	98.42	2632.13	4346.71	152.67	297.25	313.60	326.77	424.14	
29	119.28	386.34	109.95	46.92	84.81	5740.79	3801.56	150.25	293.99	386.34		297.25	
30	135.84	378.00	103.01	42.91	82.57	9962.05	3334.86	167.29	274.55	407.28		271.33	
31		361.40		41.58	78.11		3173.09		394.70	394.70		274.55	
Total	4953.37	6399.19	6851.63	2868.05	3578.04	20737.38	202944.73	45802.27	7671.94	9602.80	9949.94	10811.86	332171.20 Tonday
Mean	165.11	206.43	228.39	92.52	115.42	691.25	6546.60	1526.74	247.48	309.77	355.36	348.77	910.06 Ton/day
Max	204.84	394.70	349.02	300.51	169.74	9962.05	13062.20	4409.24	394.70	432.59	470.92	458.10	13062.20 Ton/day
Min	119.28	50.98	103.01	32.44	36.32	21.18	585.37	150.25	152.67	220.45	201.73	261.68	21.18 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	31		
R-Square	0.9746		
Remarks	Continued Sediment Station		

$$QS = 5.2981 QW^{1.01220}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	189.40	59.40	212.93	47.27	18.94	24.94	6847.13	1832.58	108.13	346.12	338.45	258.06	
2	186.26	42.43	211.36	54.55	20.14	23.74	6808.31	1836.49	108.13	348.04	332.70	242.78	
3	189.40	45.45	206.65	53.94	23.14	23.74	6653.06	1848.23	106.57	296.31	313.54	325.04	
4	189.40	32.77	205.08	48.48	24.34	23.74	6375.41	2010.14	108.13	221.79	277.18	319.29	
5	189.40	30.96	198.81	89.46	24.34	23.74	5728.13	2465.01	106.57	223.70	290.57	292.48	
6	192.53	30.96	198.81	267.62	46.67	23.74	5178.56	2509.71	106.57	231.33	198.81	282.92	
7	140.88	27.95	192.53	209.79	89.46	23.74	4614.45	2524.61	108.13	237.06	147.13	259.97	
8	112.80	23.14	190.97	290.57	81.70	23.74	4145.53	2559.39	106.57	258.06	219.88	244.69	
9	112.80	23.74	190.97	84.80	78.59	14.75	3528.04	2440.17	106.57	261.89	223.70	205.08	
10	194.10	28.55	189.40	29.15	78.59	11.77	2952.14	1634.31	137.76	305.88	240.87	190.97	
11	120.59	28.55	195.67	27.95	70.84	11.77	2154.68	1005.06	167.47	305.88	363.38	181.56	
12	125.27	27.95	211.36	20.74	61.56	11.77	738.18	580.63	173.73	303.97	355.71	212.93	
13	129.95	43.03	227.51	17.74	70.84	11.77	570.64	430.16	198.81	281.00	355.71	244.69	
14	129.95	56.97	258.06	16.54	126.83	11.77	1495.55	338.45	206.65	225.61	357.63	256.15	
15	194.10	70.84	254.24	16.54	153.38	11.77	1742.61	281.00	208.22	227.51	348.04	238.96	
16	154.95	111.24	231.33	16.54	151.82	11.77	2198.50	252.33	221.79	229.42	336.54	256.15	
17	148.69	181.56	187.83	17.14	145.57	11.77	2698.55	214.50	219.88	281.00	334.62	256.15	
18	139.32	221.79	162.77	17.14	128.39	11.77	3213.40	208.22	231.33	298.23	305.88	258.06	
19	144.01	203.51	153.38	17.14	119.03	11.77	3302.40	170.60	238.96	302.05	275.27	298.23	
20	194.10	203.51	153.38	17.14	119.03	11.77	3263.46	165.90	244.69	263.80	277.18	355.71	
21	142.44	212.93	151.82	17.14	119.03	11.77	3235.65	165.90	284.83	229.42	279.09	355.71	
22	94.12	211.36	139.32	16.54	100.34	11.77	3241.21	165.90	332.70	219.88	246.60	346.12	
23	70.84	214.50	154.95	19.54	44.24	11.77	3307.97	164.34	332.70	217.98	209.79	355.71	
24	69.29	227.51	129.95	20.74	32.77	11.77	3313.53	159.64	284.83	219.88	209.79	355.71	
25	72.39	227.51	115.92	20.74	28.55	11.77	3185.59	162.77	235.15	219.88	240.87	353.79	
26	73.94	282.92	108.13	20.74	28.55	11.77	2837.81	142.44	235.15	223.70	344.20	353.79	
27	77.04	298.23	101.90	20.14	28.55	513.94	2534.55	101.90	237.06	254.24	305.88	353.79	
28	78.59	302.05	66.20	20.74	28.55	2514.67	2277.41	106.57	237.06	281.00	254.24	313.54	
29	78.59	294.40	47.27	20.74	28.55	4372.59	2075.83	101.90	219.88	328.87		209.79	
30	78.59	292.48	46.67	20.74	28.55	6633.66	1840.41	108.13	261.89	330.79		208.22	
31		244.69		20.74	28.55		1824.75		334.62	336.54		208.22	
Total	4013.73	4302.88	5095.17	1578.78	2129.43	14440.82	103883.44	26686.98	6210.53	8310.83	7983.25	8594.26	193230.10 Tonday
Mean	133.79	138.80	169.84	50.93	68.69	481.36	3351.08	889.57	200.34	268.09	285.12	277.23	529.40 Ton/day
Max	194.10	302.05	258.06	290.57	153.38	6633.66	6847.13	2559.39	334.62	348.04	363.38	355.71	6847.13 Ton/day
Min	69.29	23.14	46.67	16.54	18.94	11.77	570.64	101.90	106.57	217.98	147.13	181.56	11.77 Ton/day

WATER YEAR : 2021**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	2021					
Number of observation	18					
R-Square	0.2442					
Remarks	Continued Sediment Station					

$$QS = 72.3298 QW^{0.95240}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	76.46	153.26	80.57	106.42	153.26	531.59	779.70	554.02	179.70	126.60	97.62	94.90	
2	76.46	91.50	79.20	89.46	129.95	486.60	739.27	384.57	176.40	126.60	98.97	93.54	
3	76.46	153.26	82.63	86.73	123.25	492.24	659.94	331.15	173.11	126.60	99.65	93.54	
4	78.52	90.82	79.20	82.63	486.60	537.20	581.98	315.81	173.11	123.25	129.95	93.54	
5	80.57	98.97	78.52	81.26	186.27	2178.68	503.50	300.43	169.81	119.89	106.42	93.54	
6	79.20	87.41	78.52	79.20	156.58	862.68	469.68	286.94	166.51	119.89	103.04	92.86	
7	311.97	82.63	176.40	86.73	133.29	937.98	531.59	280.51	166.51	119.89	99.65	93.54	
8	103.04	87.41	514.74	361.72	123.25	762.56	447.06	270.84	166.51	116.53	98.97	153.26	
9	86.73	267.62	238.50	222.25	106.42	10084.13	615.45	264.39	163.20	116.53	98.97	103.04	
10	84.68	92.86	267.62	182.99	97.62	7253.76	643.27	261.16	163.20	113.17	97.62	96.94	
11	83.31	81.26	248.22	103.04	97.62	2731.51	970.08	254.70	159.89	109.80	97.62	94.90	
12	84.68	82.63	169.81	92.86	96.94	2598.05	1280.62	251.46	159.89	106.42	99.65	94.90	
13	83.31	80.57	123.25	149.94	98.97	988.82	1455.48	248.22	153.26	106.42	98.97	93.54	
14	84.68	79.20	626.59	293.37	173.11	1572.64	756.44	241.74	153.26	103.04	98.97	93.54	
15	83.31	79.20	342.63	189.56	116.53	937.98	587.57	238.50	149.94	99.65	99.65	93.54	
16	84.68	78.52	196.12	514.74	395.97	906.44	1476.81	235.25	149.94	103.04	113.17	93.54	
17	88.78	79.20	350.27	169.81	163.20	1970.73	1109.36	232.01	146.62	99.65	163.20	119.89	
18	98.97	84.68	192.84	156.58	126.60	1090.12	750.92	228.75	146.62	99.65	119.89	98.97	
19	153.26	86.73	139.96	133.29	119.89	1928.66	609.88	225.50	143.30	99.65	109.80	95.58	
20	153.26	146.62	103.04	350.27	133.29	1886.55	537.20	222.25	139.96	98.97	153.26	94.90	
21	87.41	89.46	95.58	192.84	182.99	1163.99	486.60	215.73	143.30	99.65	143.30	93.54	
22	88.78	84.68	91.50	218.99	106.42	1362.83	1026.87	209.20	139.96	109.80	116.53	96.94	
23	84.68	81.26	88.78	1090.12	96.94	1551.37	559.61	205.93	139.96	139.96	99.65	103.04	
24	85.36	81.26	86.73	1466.15	94.90	1434.12	475.32	199.39	136.63	113.17	98.97	97.62	
25	82.63	109.80	84.68	1077.49	143.30	3235.47	435.74	196.12	136.63	106.42	96.94	97.62	
26	83.31	94.90	83.31	1774.01	225.50	1914.63	407.35	196.12	133.29	99.65	96.94	94.90	
27	163.20	82.63	96.94	497.87	290.16	1498.13	395.97	192.84	133.29	99.65	95.58	93.54	
28	84.68	81.26	90.82	319.65	182.99	1127.99	395.97	189.56	133.29	98.97	95.58	91.50	
29	83.31	94.90	87.41	238.50	176.40	912.51	395.97	186.27	133.29	98.97		113.17	
30	88.78	86.73	182.99	199.39	1195.14	768.07	369.35	186.27	129.95	97.62		334.98	
31		81.26		166.51	919.18		338.81		129.95	96.94		143.30	
Total	2984.47	3052.49	5157.37	10774.37	6832.53	55708.03	20793.36	7605.63	4690.28	3396.04	3028.53	3342.15	127365.25 Ton/day
Mean	99.48	98.47	171.91	347.56	220.40	1856.93	670.75	253.52	151.30	109.55	108.16	107.81	348.95 Ton/day
Max	311.97	267.62	626.59	1774.01	1195.14	10084.13	1476.81	554.02	179.70	139.96	163.20	334.98	10084.13 Ton/day
Min	76.46	78.52	78.52	79.20	94.90	486.60	338.81	186.27	129.95	96.94	95.58	91.50	76.46 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	8		
R-Square	0.9263		
Remarks	Continued Sediment Station		

$$QS = 12.5030 QW^{0.86340}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	434.79	666.52	1761.46	1598.78	43.61	0.00	0.00	0.00	
2	0.00	71.37	0.00	0.00	347.04	828.20	1719.98	1583.23	36.88	0.00	0.00	0.00	
3	0.00	50.18	0.00	0.00	217.27	893.96	1692.30	1557.10	28.53	0.00	0.00	0.00	
4	0.00	35.51	0.00	0.00	134.76	949.07	1669.19	1510.50	22.16	0.00	0.00	0.00	
5	0.00	32.75	0.00	0.00	94.75	1015.32	1646.02	1402.99	19.77	0.00	0.00	0.00	
6	0.00	44.93	0.00	0.00	68.58	1050.11	1625.90	1248.91	17.95	0.00	0.00	0.00	
7	0.00	43.61	0.00	0.00	56.61	1040.47	1602.63	1096.23	16.72	0.00	0.00	0.00	
8	0.00	35.51	0.00	0.00	52.77	990.07	1579.32	952.99	16.10	0.00	0.00	0.00	
9	0.00	25.66	0.00	0.00	55.33	947.11	1553.78	788.28	14.84	0.00	0.00	0.00	
10	0.00	20.97	0.00	0.00	54.05	949.07	1527.17	636.49	14.21	0.00	0.00	0.00	
11	0.00	19.17	0.00	0.00	35.51	1044.33	1494.10	552.69	13.58	0.00	0.00	0.00	
12	0.00	19.17	0.00	0.00	20.97	1243.08	1436.18	465.66	12.93	0.00	0.00	0.00	
13	0.00	16.72	0.00	0.00	16.72	1410.66	1319.41	378.47	10.98	0.00	0.00	0.00	
14	0.00	14.84	0.00	0.00	14.21	1475.85	1168.62	299.55	9.42	0.00	0.00	0.00	
15	0.00	12.93	0.00	0.00	13.58	1436.18	1084.73	261.93	8.96	0.00	0.00	0.00	
16	0.00	11.63	0.00	0.00	11.63	1392.76	1157.24	223.44	8.50	0.00	0.00	0.00	
17	0.00	10.31	0.00	0.00	9.42	1378.30	1337.58	188.93	8.04	0.00	0.00	0.00	
18	0.00	9.42	0.00	0.00	100.36	1364.75	1571.53	162.64	7.11	0.00	0.00	0.00	
19	0.00	7.58	0.00	0.00	103.15	1335.31	1641.38	151.35	6.15	0.00	0.00	0.00	
20	0.00	7.11	0.00	0.00	68.58	1301.21	1594.87	132.98	5.67	0.00	0.00	0.00	
21	0.00	5.67	0.00	0.00	60.42	1279.86	1543.81	122.44	4.67	0.00	0.00	0.00	
22	0.00	3.12	0.00	0.00	98.96	1348.91	1494.10	111.75	3.65	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	74.15	1513.83	1460.61	94.75	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	43.61	1629.80	1436.18	76.91	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	27.10	1733.79	1431.08	71.37	0.00	0.00	0.00	8.50	
26	0.00	0.00	0.00	0.00	19.77	2293.96	1436.18	69.98	0.00	0.00	0.00	14.21	
27	0.00	0.00	0.00	0.00	17.95	2184.69	1448.40	62.93	0.00	0.00	0.00	16.72	
28	0.00	0.00	0.00	0.00	25.66	1994.82	1457.56	54.05	0.00	0.00	0.00	19.17	
29	0.00	0.00	0.00	0.00	118.89	1877.81	1460.61	44.93	0.00	0.00		16.10	
30	0.00	0.00	0.00	0.00	217.27	1811.09	1527.17	43.61	0.00	0.00		35.51	
31		0.00		370.66	432.82		1587.10		0.00	0.00		54.05	
Total	0.00	498.16	0.00	370.66	3046.68	40380.89	46466.19	15945.86	330.43	0.00	0.00	164.26	107203.13 Tonday
Mean	0.00	16.07	0.00	11.96	98.28	1346.03	1498.91	531.53	10.66	0.00	0.00	5.30	293.71 Ton/day
Max	0.00	71.37	0.00	370.66	434.79	2293.96	1761.46	1598.78	43.61	0.00	0.00	54.05	2293.96 Ton/day
Min	0.00	0.00	0.00	0.00	9.42	666.52	1084.73	43.61	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	26		
R-Square	0.8980		
Remarks	Continued Sediment Station		

$$QS = 37.4350 QW^{0.78230}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	975.94	975.94	975.94	965.29	584.15	670.76	6864.89	4069.57	1891.91	1612.88	1292.60	940.30	
2	975.94	975.94	975.94	943.88	623.06	860.53	6393.31	4199.26	1887.58	1599.92	1277.71	929.54	
3	975.94	975.94	975.94	915.13	571.02	1176.58	6019.81	4199.26	1883.25	1582.59	1262.77	915.13	
4	975.94	975.94	975.94	878.83	486.91	1288.88	5687.86	4115.09	1874.58	1573.90	1247.79	900.66	
5	975.94	975.94	975.94	842.11	415.71	1325.92	5346.88	4004.29	1870.25	1566.03	1228.99	886.12	
6	975.94	975.94	975.94	808.68	244.32	1458.69	4996.13	3800.80	1865.91	1558.15	1221.44	871.52	
7	975.94	975.94	975.94	778.63	244.32	1634.42	4674.81	3435.38	1861.56	1546.31	1217.67	856.85	
8	975.94	975.94	975.94	748.26	244.32	1732.52	4404.50	2997.20	1857.22	1538.41	1206.32	860.53	
9	975.94	975.94	975.94	717.54	244.32	1673.00	4147.52	2620.75	1852.87	1526.52	1198.73	849.49	
10	975.94	975.94	975.94	686.45	244.32	1546.31	3918.98	2348.64	1848.52	1514.61	1187.33	842.11	
11	975.94	975.94	975.94	661.30	244.32	1569.97	3730.67	2161.96	1839.80	1502.68	1172.98	831.01	
12	975.94	975.94	975.94	648.62	244.32	1643.02	3577.45	2061.09	1835.44	1486.72	1158.59	823.58	
13	975.94	975.94	975.94	632.68	244.32	1887.58	3484.74	1986.42	1826.71	1474.73	1147.76	814.65	
14	975.94	975.94	975.94	616.62	244.32	2179.37	3336.05	1982.15	1817.97	1462.70	1129.64	805.69	
15	975.94	975.94	975.94	610.16	244.32	2431.54	3214.89	1973.60	1809.22	1454.67	1118.73	793.69	
16	975.94	975.94	975.94	606.93	244.32	2562.39	3291.65	1969.33	1800.45	1446.63	1104.14	784.67	
17	975.94	975.94	975.94	603.69	244.32	2630.45	4043.49	1960.77	1791.68	1434.54	1093.16	775.61	
18	975.94	975.94	975.94	600.45	244.32	2630.45	4702.91	1952.20	1778.89	1418.37	1078.48	778.63	
19	975.94	975.94	975.94	597.20	244.32	2577.02	4878.71	1947.91	1770.48	1402.16	1071.12	787.68	
20	975.94	975.94	975.94	593.94	244.32	2528.18	4786.93	1947.91	1762.07	1394.03	1060.04	766.52	
21	975.94	975.94	975.94	590.68	244.32	2459.36	4695.89	1943.62	1749.42	1398.10	1034.08	754.36	
22	975.94	975.94	975.94	587.42	244.32	2567.27	4569.00	1939.32	1736.75	1398.10	1022.90	736.02	
23	975.94	975.94	975.94	584.15	244.32	3045.35	4469.64	1935.03	1724.05	1394.03	1011.69	723.72	
24	975.94	975.94	975.94	580.87	244.32	3385.82	4276.55	1930.73	1711.33	1385.89	1000.67	714.45	
25	975.94	975.94	975.94	577.59	244.32	4095.60	3945.28	1926.42	1702.83	1373.66	990.09	708.26	
26	975.94	975.94	975.94	574.31	244.32	5825.18	3671.95	1917.81	1694.32	1366.34	975.94	692.70	
27	975.94	975.94	975.94	571.02	244.32	10010.64	3529.94	1913.50	1681.54	1359.02	958.17	677.05	
28	975.94	975.94	975.94	571.02	244.32	9634.70	3457.34	1909.19	1668.72	1348.01	951.03	661.30	
29	975.94	975.94	975.94	571.02	244.32	8409.44	3451.85	1904.87	1660.17	1336.98		651.80	
30	975.94	975.94	975.94	567.72	277.09	7518.45	3789.14	1900.55	1647.31	1322.23		1030.36	
31		975.94		567.72	442.45		3925.56		1630.12	1311.14		805.69	
Total	29278.20	30254.14	29278.20	20799.91	9264.07	92959.39	135284.32	74954.62	55332.92	45090.05	31420.56	24969.69	578886.07 Tonday
Mean	975.94	975.94	975.94	670.96	298.84	3098.65	4364.01	2498.49	1784.93	1454.52	1122.16	805.47	1585.99 Ton/day
Max	975.94	975.94	975.94	965.29	623.06	10010.64	6864.89	4199.26	1891.91	1612.88	1292.60	1030.36	10010.64 Ton/day
Min	975.94	975.94	975.94	567.72	244.32	670.76	3214.89	1900.55	1630.12	1311.14	951.03	651.80	244.32 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	15		
R-Square	0.9330		
Remarks	Continued Sediment Station		

$$QS = 5.0543 QW^{1.66980}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.15	354.99	26.38	0.57	18.86	1358.99	975.79	1232.51	60.91	18.86	6.38	27.54	
2	0.15	132.75	20.90	0.37	18.86	1316.28	1358.99	795.64	60.91	18.86	7.04	26.38	
3	0.05	63.45	15.02	0.29	15.95	5926.57	2669.86	780.93	53.54	16.89	5.14	24.13	
4	0.15	35.80	11.55	0.47	15.02	1358.99	1032.90	527.73	48.84	15.02	4.56	23.03	
5	0.68	26.38	8.45	0.88	15.02	855.59	639.93	418.90	44.31	15.02	5.75	19.87	
6	0.68	20.90	5.75	2.46	15.02	507.20	1380.55	346.20	44.31	13.24	7.04	18.86	
7	2.15	18.86	5.14	0.57	14.12	517.42	6210.89	287.23	46.55	11.55	7.04	19.87	
8	0.88	15.02	4.01	1.86	12.38	311.96	1358.99	447.58	42.12	11.55	7.04	25.24	
9	0.21	76.76	4.01	55.95	9.18	381.86	694.98	400.21	39.97	12.38	6.38	44.31	
10	0.09	28.71	3.13	46.55	7.73	1617.17	639.93	287.23	35.80	11.55	5.75	26.38	
11	0.05	19.87	2.46	1191.46	6.38	2741.20	428.38	247.85	28.71	9.18	6.38	23.03	
12	0.09	12.38	2.15	271.20	6.38	920.00	477.02	229.24	33.79	9.95	55.95	19.87	
13	0.09	9.95	2.46	694.98	11.55	447.58	795.64	207.83	31.83	9.18	60.91	18.86	
14	1.86	11.55	2.46	129.33	12.38	263.32	653.52	192.33	29.91	8.45	76.76	15.95	
15	0.37	9.18	2.46	112.74	10.73	437.94	2529.46	177.32	29.91	8.45	1806.59	15.95	
16	0.37	6.38	2.79	409.51	8.45	303.63	3012.12	162.79	29.91	8.45	437.94	14.12	
17	0.37	5.14	3.48	1490.37	7.73	447.58	19200.75	158.07	28.71	9.95	139.71	12.38	
18	0.47	4.56	3.13	1253.25	7.04	182.27	21717.74	148.78	27.54	8.45	187.27	17.86	
19	15.95	4.56	2.79	247.85	11.55	192.33	10341.02	136.22	25.24	7.73	346.20	63.45	
20	55.95	4.56	3.13	129.33	53.54	4525.81	4372.12	125.94	25.24	7.73	122.58	35.80	
21	24.13	5.14	3.48	88.14	14.12	1643.72	2426.16	119.27	23.03	9.18	85.24	37.86	
22	14.12	6.38	2.46	60.91	12.38	7947.51	1697.32	112.74	23.03	11.55	55.95	28.71	
23	9.95	5.14	1.59	55.95	20.90	24150.23	1316.28	109.53	23.03	13.24	53.54	53.54	
24	6.38	3.48	1.09	42.12	26.38	11814.09	994.68	103.23	20.90	11.55	48.84	103.23	
25	3.48	5.14	1.09	39.97	24.13	14725.41	723.18	103.23	20.90	9.95	44.31	153.39	
26	3.13	9.18	0.88	37.86	144.22	12280.10	569.77	97.08	20.90	9.18	39.97	68.65	
27	53.54	10.73	0.88	33.79	2358.25	10546.63	477.02	94.06	21.96	8.45	31.83	37.86	
28	437.94	55.95	0.68	27.54	1071.68	3972.77	428.38	88.14	20.90	8.45	29.91	33.79	
29	139.71	66.03	0.68	24.13	372.81	2358.25	723.18	74.02	19.87	7.04		51.17	
30	497.06	103.23	0.88	23.03	182.27	1424.07	517.42	63.45	18.86	7.04		497.06	
31		44.31		20.90	5539.52		639.93		18.86	6.38		122.58	
Total	1270.20	1176.46	145.36	6494.33	10044.53	115476.47	91003.90	8275.28	1000.29	334.45	3692.00	1680.72	240593.99 Ton/day
Mean	42.34	37.95	4.85	209.49	324.02	3849.22	2935.61	275.84	32.27	10.79	131.86	54.22	659.16 Ton/day
Max	497.06	354.99	26.38	1490.37	5539.52	24150.23	21717.74	1232.51	60.91	18.86	1806.59	497.06	24150.23 Ton/day
Min	0.05	3.48	0.68	0.29	6.38	182.27	428.38	63.45	18.86	6.38	4.56	12.38	0.05 Ton/day

WATER YEAR : 2021

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
Drainge 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	2021		
Number of observation	35		
R-Square	0.9797		
Remarks	Continued Sediment Station		

$$QS = 2.9505 QW^{1.41680}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	131.69	48.37	40.93	26.03	66.35	2433.74	730.40	111.72	28.45	12.05	32.18	
2	0.00	223.38	44.61	22.54	24.85	74.86	1343.14	814.68	126.61	26.03	10.20	32.18	
3	0.00	286.17	40.93	26.03	22.54	124.09	980.00	864.04	126.61	24.85	10.20	33.45	
4	0.00	191.26	36.04	17.06	21.41	217.43	833.09	845.43	102.11	20.29	10.20	34.74	
5	0.00	129.14	32.18	11.11	21.41	343.95	920.58	864.04	74.86	22.54	10.20	33.45	
6	0.00	99.74	28.45	34.74	22.54	369.65	1821.77	1000.83	72.71	22.54	8.44	33.45	
7	0.00	106.88	26.03	29.67	22.54	211.53	2689.19	748.23	68.45	19.19	8.44	33.45	
8	0.00	202.77	24.85	24.85	20.29	131.69	2689.19	601.60	66.35	21.41	10.20	37.36	
9	0.00	274.20	24.85	14.99	18.12	147.28	2409.66	575.79	62.21	24.85	11.11	39.13	
10	4.51	535.20	26.03	16.01	16.01	226.37	1617.71	456.71	56.16	22.54	11.11	37.36	
11	20.29	1223.31	27.23	27.23	13.99	282.16	1049.91	404.92	54.18	22.54	13.01	36.04	
12	14.99	952.44	28.45	29.67	14.99	365.33	839.26	339.72	54.18	20.29	34.74	32.18	
13	12.05	520.21	28.45	42.76	10.20	391.47	790.33	335.50	50.28	20.29	28.45	30.92	
14	12.05	226.37	27.23	46.48	8.44	266.30	796.40	274.20	50.28	19.19	32.18	28.45	
15	13.01	142.03	27.23	50.28	7.60	177.16	839.26	254.59	48.37	19.19	29.67	28.45	
16	37.36	102.11	28.45	66.35	7.60	157.96	778.23	232.39	46.48	17.06	26.03	28.45	
17	46.48	92.75	28.45	60.17	5.24	174.38	1078.26	217.43	42.76	16.01	23.69	28.45	
18	33.45	99.74	29.67	74.86	3.82	211.53	2509.43	199.88	39.13	17.06	27.23	36.04	
19	22.54	97.40	28.45	66.35	3.82	220.40	8410.51	177.16	36.04	17.06	24.85	50.28	
20	13.99	88.17	27.23	58.16	2.54	278.17	15551.31	166.11	36.04	17.06	48.37	52.22	
21	10.20	77.04	27.23	58.16	1.43	560.47	9610.68	155.27	34.74	16.01	50.28	62.21	
22	13.01	62.21	26.03	56.16	2.54	772.20	5154.71	139.42	33.45	14.99	44.61	62.21	
23	24.85	52.22	27.23	54.18	1.96	1884.36	2964.76	142.03	32.18	17.06	37.36	62.21	
24	19.19	46.48	27.23	50.28	1.96	3256.29	2172.81	139.42	32.18	17.06	33.45	58.16	
25	20.29	40.93	26.03	48.37	0.95	3371.81	3061.04	129.14	30.92	17.06	32.18	68.45	
26	14.99	37.36	26.03	48.37	1.43	3012.79	2885.22	119.10	29.67	16.01	30.92	85.91	
27	17.06	33.45	26.03	44.61	5.24	2661.30	1597.70	109.29	29.67	13.99	30.92	72.71	
28	12.05	52.22	26.03	37.36	9.31	3190.82	1114.02	104.49	29.67	13.99	30.92	60.17	
29	16.01	56.16	22.54	40.93	40.93	3505.28	907.93	102.11	27.23	13.99		54.18	
30	155.27	70.57	22.54	33.45	64.27	3371.81	766.19	95.06	30.92	13.01		58.16	
31		64.27		27.23	66.35		748.23		28.45	13.01		74.86	
Total	533.64	6317.87	870.10	1259.34	490.35	30025.19	81364.26	11338.98	1664.61	584.62	681.01	1417.46	136547.43 Tonday
Mean	17.79	203.80	29.00	40.62	15.82	1000.84	2624.65	377.97	53.70	18.86	24.32	45.72	374.10 Ton/day
Max	155.27	1223.31	48.37	74.86	66.35	3505.28	15551.31	1000.83	126.61	28.45	50.28	85.91	15551.31 Ton/day
Min	0.00	33.45	22.54	11.11	0.95	66.35	748.23	95.06	27.23	13.01	8.44	28.45	0.00 Ton/day

WATER YEAR : 2021**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.		
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	2021		
Number of observation	33		
R-Square	0.9083		
Remarks	Continued Sediment Station		

$$QS = 0.4714 QW^{1.98310}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.64	41.90	12.59	1.29	36.55	97.74	228.41	287.05	87.86	9.55	2.07	2.46	
2	0.91	41.90	17.91	1.15	25.36	228.41	167.02	295.19	78.63	9.55	2.07	2.25	
3	2.46	56.37	16.96	1.29	21.23	346.38	177.48	337.56	69.80	9.55	2.68	2.07	
4	2.25	43.83	19.89	1.29	22.54	182.82	265.90	253.09	64.23	8.19	2.68	2.07	
5	3.38	25.36	12.59	1.29	25.36	107.99	177.48	210.73	47.71	6.94	3.14	1.90	
6	3.14	18.89	6.94	1.43	31.48	94.34	931.76	199.33	43.83	5.78	3.89	2.07	
7	8.86	38.27	5.24	1.58	28.34	75.59	984.39	240.60	38.27	5.24	3.14	2.07	
8	8.86	36.55	4.16	1.58	22.54	142.26	966.69	204.99	36.55	4.73	2.90	3.63	
9	11.02	58.90	4.44	1.58	16.96	234.47	766.70	5142.79	33.16	4.73	2.46	6.94	
10	13.41	97.74	6.35	1.58	13.41	142.26	666.09	5928.80	31.48	4.44	2.07	7.55	
11	8.86	123.88	9.55	4.16	10.27	104.56	423.65	2168.14	29.93	4.16	2.07	3.38	
12	5.78	104.56	10.27	16.96	8.19	107.99	295.19	1176.47	26.86	3.89	5.24	2.46	
13	4.16	84.77	11.02	14.26	6.94	87.86	295.19	520.92	26.86	5.78	4.16	2.07	
14	4.73	161.91	6.94	9.55	6.35	75.59	204.99	393.44	25.36	4.16	5.24	1.90	
15	7.55	58.90	6.94	8.19	7.55	58.90	156.88	355.30	22.54	3.63	6.94	1.74	
16	12.59	45.70	10.27	29.93	6.94	47.71	132.91	287.05	19.89	3.63	11.02	1.58	
17	29.93	84.77	16.03	21.23	13.41	47.71	216.54	498.55	16.96	3.38	8.19	3.38	
18	18.89	49.66	13.41	13.41	11.02	36.55	487.39	337.56	16.96	3.14	34.79	2.68	
19	18.89	40.11	25.36	12.59	8.19	111.61	476.37	346.38	16.03	2.90	132.91	4.16	
20	12.59	56.37	16.03	29.93	6.35	487.39	328.86	259.46	14.26	2.90	38.27	5.24	
21	33.16	43.83	8.19	49.66	5.78	2768.37	234.47	210.73	14.26	3.89	16.96	4.44	
22	56.37	47.71	4.44	43.83	17.91	2654.94	295.19	177.48	12.59	7.55	10.27	4.44	
23	51.76	22.54	3.14	34.79	22.54	1217.47	5268.36	167.02	11.79	4.44	7.55	5.78	
24	28.34	16.03	3.38	33.16	12.59	782.49	4077.76	240.60	11.79	3.63	5.78	45.70	
25	15.13	13.41	2.90	34.79	9.55	567.46	2440.33	216.54	11.02	3.38	4.44	26.86	
26	12.59	12.59	2.46	56.37	6.35	498.55	1432.91	177.48	11.02	2.90	3.63	41.90	
27	15.13	12.59	2.25	64.23	8.19	691.89	880.57	147.06	11.79	2.68	3.14	28.34	
28	75.59	17.91	2.07	97.74	5.78	465.75	615.63	111.61	11.02	2.46	2.68	25.36	
29	51.76	16.03	1.74	111.61	6.94	328.86	476.37	97.74	11.02	2.68		26.86	
30	40.11	14.26	1.58	75.59	7.55	272.43	364.34	87.86	11.02	2.07		23.96	
31		10.27		49.66	53.79		374.00		10.27	2.07		15.13	
Total	558.84	1497.51	265.04	825.70	485.95	13066.34	24809.82	21077.52	874.76	144.02	330.38	310.37	64246.25 Tonday
Mean	18.63	48.31	8.83	26.64	15.68	435.54	800.32	702.58	28.22	4.65	11.80	10.01	176.02 Ton/day
Max	75.59	161.91	25.36	111.61	53.79	2768.37	5268.36	5928.80	87.86	9.55	132.91	45.70	5928.80 Ton/day
Min	0.64	10.27	1.58	1.15	5.78	36.55	132.91	87.86	10.27	2.07	2.07	1.58	0.64 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	26		
R-Square	0.9517		
Remarks	Continued Sediment Station		

$$QS = 2.7770 QW^{1.74940}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.07	20.33	21.71	2.78	6.53	37.68	208.94	128.19	41.31	4.28	2.78	4.28	
2	5.58	12.20	13.99	2.78	6.53	45.41	229.77	138.65	37.68	4.28	2.78	4.28	
3	1.96	54.45	18.98	2.78	6.05	35.92	229.77	172.11	37.68	3.88	2.78	3.88	
4	1.72	16.40	17.67	3.13	6.05	20.33	138.65	133.25	27.65	3.88	2.78	3.88	
5	1.72	10.94	10.34	2.78	6.53	24.60	82.72	122.97	13.99	3.88	3.13	3.88	
6	1.96	12.84	7.54	2.78	6.53	18.98	365.41	143.88	12.20	3.88	3.13	3.88	
7	1.96	16.40	6.53	3.13	6.05	21.71	183.95	149.46	10.94	3.49	2.78	3.88	
8	2.22	15.18	6.05	3.13	5.13	82.72	149.46	85.66	10.34	3.13	2.78	4.69	
9	1.96	16.40	6.53	3.13	4.69	113.04	133.25	8528.90	9.75	3.13	2.78	4.28	
10	2.49	34.19	7.54	4.28	4.28	69.30	98.94	3245.59	9.75	3.13	2.78	3.88	
11	2.22	27.65	7.03	7.54	5.13	59.23	82.72	1066.98	9.75	3.13	2.49	3.88	
12	1.72	20.33	6.53	7.03	5.58	54.45	98.94	548.87	9.17	2.78	2.78	3.49	
13	1.72	15.18	5.58	5.58	5.13	52.04	80.04	177.84	8.61	3.13	2.78	3.49	
14	4.69	215.79	4.28	5.58	5.13	52.04	59.23	177.84	8.61	2.78	2.78	3.49	
15	6.05	41.31	4.69	7.03	5.13	43.19	49.84	183.95	8.07	2.78	3.49	3.13	
16	3.13	26.11	7.03	9.75	5.13	41.31	52.04	166.18	7.54	2.49	4.69	5.13	
17	3.49	29.23	6.05	8.07	6.05	35.92	103.48	183.95	7.03	2.49	4.28	3.13	
18	3.13	27.65	7.54	7.54	9.17	41.31	143.88	172.11	7.03	2.49	39.48	2.78	
19	3.88	37.68	29.23	7.54	7.54	94.28	113.04	177.84	6.53	2.49	37.68	4.28	
20	7.03	56.73	8.61	8.07	6.05	258.86	80.04	122.97	6.05	2.78	10.34	3.88	
21	10.34	32.50	6.53	9.75	4.69	1381.70	66.62	98.94	6.05	4.28	8.07	5.13	
22	17.67	30.84	5.13	9.75	4.69	824.14	289.42	82.72	6.05	3.13	7.03	9.75	
23	21.71	26.11	4.69	8.61	4.69	548.87	1187.91	85.66	6.05	2.78	6.53	39.48	
24	8.07	24.60	4.69	8.61	4.69	464.85	561.56	118.08	5.58	2.78	6.05	34.19	
25	6.53	20.33	4.69	9.17	4.28	419.25	430.57	108.33	5.58	2.49	5.13	27.65	
26	5.58	21.71	4.28	8.61	4.28	512.00	365.41	91.44	5.58	2.22	5.13	13.99	
27	4.69	23.14	4.28	8.61	4.28	476.24	297.29	74.59	5.58	2.22	4.69	13.99	
28	9.17	30.84	3.88	8.61	4.28	375.68	258.86	56.73	5.13	2.22	4.28	12.84	
29	7.54	23.14	3.88	9.17	5.58	289.42	229.77	52.04	4.69	2.22		12.20	
30	6.05	21.71	3.13	8.07	7.54	266.36	172.11	47.52	4.69	1.96		11.56	
31		20.33		7.03	13.99		149.46		4.69	1.96		8.61	
Total	157.05	982.24	248.63	200.42	181.40	6760.83	6693.09	16643.24	349.35	92.56	186.20	266.88	32761.89 Tonday
Mean	5.24	31.69	8.29	6.47	5.85	225.36	215.91	554.77	11.27	2.99	6.65	8.61	89.76 Ton/day
Max	21.71	215.79	29.23	9.75	13.99	1381.70	1187.91	8528.90	41.31	4.28	39.48	8528.90	Ton/day
Min	1.07	10.94	3.13	2.78	4.28	18.98	49.84	47.52	4.69	1.96	2.49	2.78	1.07 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	21		
R-Square	0.9346		
Remarks	Continued Sediment Station		

$$QS = 0.7348 QW^{1.60320}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.56	22.71	5.08	11.30	1192.12	326.21	180.77	118.33	29.37	13.34	7.36	5.81	
2	1.44	14.77	5.08	11.97	1162.60	509.98	188.30	112.02	27.97	13.34	6.97	5.81	
3	1.56	12.65	4.07	11.30	1348.20	633.56	166.04	108.91	27.97	14.77	6.97	5.81	
4	1.80	14.05	4.74	9.39	1760.09	543.53	148.31	94.39	26.64	15.51	6.57	5.45	
5	3.13	17.79	4.39	9.39	1685.64	445.33	144.85	87.25	26.64	15.51	6.57	5.45	
6	3.44	17.02	4.07	8.19	3493.35	319.23	192.12	82.60	25.29	15.51	7.79	6.97	
7	5.08	9.39	4.07	7.79	2394.36	255.85	199.83	78.06	24.01	14.77	7.36	8.78	
8	16.26	6.97	4.74	8.19	1221.91	234.88	173.35	87.25	24.01	11.30	7.36	8.78	
9	7.79	10.01	6.97	10.65	779.57	224.64	141.43	78.06	22.71	11.30	6.57	6.97	
10	4.39	9.39	10.65	13.34	577.88	199.83	134.67	69.26	21.02	11.30	6.57	7.36	
11	6.19	6.19	65.01	26.64	445.33	209.62	112.02	67.12	19.38	11.30	6.19	6.97	
12	5.08	5.08	80.32	25.29	347.48	224.64	105.84	60.86	17.79	10.65	6.19	6.19	
13	3.44	4.07	33.64	33.64	283.00	177.04	177.04	58.82	20.20	10.65	6.19	6.19	
14	7.36	4.07	47.79	19.38	255.85	158.86	124.77	58.82	22.71	10.01	6.19	5.45	
15	11.30	3.44	347.48	17.79	224.64	151.80	283.00	52.88	22.71	9.39	6.19	5.45	
16	5.45	3.44	406.62	17.02	250.54	255.85	326.21	52.88	21.86	8.78	6.19	5.08	
17	4.74	3.74	188.30	16.26	199.83	180.77	1893.56	47.79	21.86	8.78	6.97	5.08	
18	5.45	3.74	141.43	30.76	169.68	180.77	856.77	47.79	21.02	8.78	9.39	5.81	
19	4.39	5.45	65.01	717.35	155.31	453.23	453.23	46.10	21.02	8.78	11.97	6.57	
20	3.74	4.74	41.28	2488.71	131.34	272.01	299.78	44.49	20.20	8.78	10.65	7.36	
21	2.85	4.39	27.97	1331.32	169.68	754.45	234.88	42.85	20.20	8.19	21.86	10.01	
22	2.56	3.74	21.86	1206.98	144.85	1382.41	204.70	42.85	19.38	8.19	10.65	11.97	
23	2.30	5.08	18.58	1779.06	121.54	950.26	856.77	41.28	19.38	8.19	8.78	10.65	
24	2.30	4.39	17.79	1575.93	121.54	535.07	509.98	39.69	18.58	8.19	6.97	14.05	
25	2.56	4.39	16.26	2706.03	112.02	376.61	326.21	38.16	18.58	8.19	6.19	10.65	
26	2.04	4.39	14.77	2854.77	121.54	414.25	250.54	36.61	18.58	8.19	6.19	7.36	
27	3.44	4.39	12.65	3268.27	115.16	406.62	199.83	33.64	18.58	7.79	6.19	6.57	
28	5.81	6.19	11.30	7991.06	99.79	319.23	173.35	33.64	17.79	7.79	6.19	6.19	
29	11.97	7.79	11.30	4835.49	96.82	245.28	155.31	30.76	17.79	7.79		5.81	
30	47.79	7.79	10.65	2632.92	99.79	204.70	141.43	30.76	14.77	7.36		5.81	
31		6.57		2010.95	219.59		131.34		14.05	7.36		5.08	
Total	187.21	237.82	1633.87	35687.13	19501.04	11546.51	9486.23	1823.92	662.06	319.78	219.23	221.49	81526.29 Tonday
Mean	6.24	7.67	54.46	1151.20	629.07	384.88	306.01	60.80	21.36	10.32	7.83	7.14	223.36 Ton/day
Max	47.79	22.71	406.62	7991.06	3493.35	1382.41	1893.56	118.33	29.37	15.51	21.86	14.05	7991.06 Ton/day
Min	1.44	3.44	4.07	7.79	96.82	151.80	105.84	30.76	14.05	7.36	6.19	5.08	1.44 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	28		
R-Square	0.9576		
Remarks	Continued Sediment Station		

$$QS = 4.1712 QW^{1.58080}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	3.35	4.85	0.44	258.32	544.62	411.21	211.95	13.17	6.70	2.99	1.31	
2	0.00	8.77	3.53	0.28	181.01	384.82	333.99	211.95	13.17	6.32	2.99	1.31	
3	0.00	5.56	2.99	0.21	162.15	568.50	276.57	420.15	12.58	5.94	2.82	1.18	
4	0.00	3.85	2.48	0.15	181.01	282.75	429.16	190.05	12.58	5.94	2.99	1.18	
5	0.00	19.70	2.16	0.09	133.79	181.01	359.07	123.80	12.09	5.94	2.99	1.18	
6	0.00	11.51	1.86	0.28	103.60	105.54	1193.00	93.49	11.51	5.94	2.99	1.18	
7	0.00	7.10	1.57	0.15	81.98	69.55	2139.31	78.27	11.03	5.56	2.99	1.18	
8	7.10	5.20	1.44	0.15	56.68	61.39	1283.78	130.51	11.03	5.20	2.99	2.48	
9	2.99	4.85	1.31	0.21	39.11	63.00	813.53	80.22	10.56	4.85	2.82	2.99	
10	2.01	3.53	1.31	0.35	31.05	258.32	521.11	67.89	10.10	4.85	2.01	2.99	
11	1.44	3.53	1.57	7.92	28.20	117.22	376.16	56.68	10.10	4.85	0.83	2.82	
12	29.14	2.82	1.57	10.10	32.02	83.96	376.16	49.14	10.10	4.51	5.94	2.65	
13	8.34	2.32	1.44	25.46	25.46	55.14	667.74	44.81	9.65	4.51	3.17	2.65	
14	5.56	1.86	1.31	12.58	23.07	38.07	456.61	41.23	9.65	4.51	2.65	2.32	
15	3.85	2.01	1.72	13.68	17.87	59.81	420.15	37.03	9.21	4.51	2.32	2.16	
16	2.82	2.32	2.32	22.33	15.99	200.89	438.24	33.99	8.77	4.51	2.01	2.01	
17	3.53	21.72	2.65	41.23	15.46	91.63	1803.73	29.14	8.77	4.51	2.01	2.01	
18	2.32	6.70	2.48	21.00	14.82	173.43	1421.67	25.46	8.34	4.51	2.01	3.85	
19	2.01	3.53	2.16	36.01	10.10	2379.04	845.80	23.69	8.34	4.17	2.48	4.85	
20	3.35	3.85	1.72	258.32	7.51	996.62	521.11	21.00	8.34	3.85	2.82	4.51	
21	2.48	4.17	1.44	95.56	5.94	20490.39	342.28	20.41	8.34	3.53	2.48	4.17	
22	1.86	2.82	1.18	55.14	32.02	8448.28	301.60	20.41	8.34	3.85	2.32	4.17	
23	1.57	2.16	1.06	40.17	17.20	3292.27	1564.65	21.72	7.92	3.85	2.01	4.51	
24	1.31	1.72	0.94	61.39	13.17	1712.61	2218.18	19.12	7.92	3.53	1.86	4.85	
25	1.06	1.57	0.83	376.16	11.51	1048.89	1031.35	17.87	7.51	3.53	1.72	5.56	
26	1.06	1.31	0.72	781.73	11.03	1048.89	592.76	16.65	7.10	3.53	1.57	6.32	
27	0.94	1.18	0.72	1109.81	39.11	1214.14	376.16	15.99	7.10	3.35	1.57	5.56	
28	0.83	12.09	0.62	1682.63	59.81	1506.86	246.41	15.46	6.70	3.35	1.44	5.94	
29	1.06	21.72	0.53	1652.84	39.11	911.71	181.01	14.30	6.70	3.17		7.92	
30	4.51	12.58	0.53	878.53	38.07	605.03	137.35	13.68	6.32	3.17		5.94	
31		7.92		521.11	532.82		301.60		6.32	2.99		5.20	
Total	91.14	193.32	51.01	7706.01	2218.99	46994.38	22381.45	2146.06	289.36	139.53	69.79	106.95	82387.99 Tonday
Mean	3.04	6.24	1.70	248.58	71.58	1566.48	721.98	71.54	9.33	4.50	2.49	3.45	225.72 Ton/day
Max	29.14	21.72	4.85	1682.63	532.82	20490.39	2218.18	420.15	13.17	6.70	5.94	7.92	20490.39 Ton/day
Min	0.00	1.18	0.53	0.09	5.94	38.07	137.35	13.68	6.32	2.99	0.83	1.18	0.00 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	24		
R-Square	0.8433		
Remarks	Continued Sediment Station		

$$QS = 0.0072 QW^{2.27150}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	286.96	728.01	418.83	475.56	2309.91	3016.47	2713.39	2280.37	624.75	557.51	590.14	1419.87	
2	317.33	688.26	374.62	515.62	1519.59	4315.74	2399.80	2107.60	624.75	590.14	869.65	1519.59	
3	286.96	557.51	341.23	446.69	1160.63	4607.08	2617.05	1862.64	601.24	601.24	1108.86	1788.16	
4	349.41	391.98	294.39	495.36	1581.24	3809.11	3134.77	1602.10	612.47	579.15	1009.27	1969.42	
5	325.19	349.41	240.11	568.27	3215.06	2617.05	2648.95	1323.93	612.47	624.75	993.18	2280.37	
6	446.69	286.96	234.58	557.51	3633.63	2051.70	5545.58	1178.19	612.47	465.82	1025.51	1836.46	
7	485.40	245.71	234.58	601.24	5169.03	1836.46	7828.96	1195.88	612.47	409.77	1058.41	2024.07	
8	557.51	245.71	437.29	662.44	5711.51	1499.34	5012.18	1323.93	637.18	456.20	1041.89	1969.42	
9	495.36	286.96	383.24	601.24	4557.78	1400.38	3462.76	1602.10	601.24	428.01	1143.23	1889.02	
10	383.24	272.41	349.41	568.27	3255.63	1647.54	2369.63	2713.39	688.26	437.29	1178.19	2107.60	
11	374.62	325.19	357.71	782.98	2750.30	1624.73	1969.42	3055.62	769.03	418.83	1108.86	2251.05	
12	341.23	374.62	333.15	797.07	2553.90	1740.57	1602.10	1647.54	782.98	590.14	1231.73	2713.39	
13	341.23	400.82	475.56	755.22	2193.04	1717.05	2135.87	1249.87	649.74	568.27	1195.88	2862.69	
14	391.98	374.62	437.29	701.37	2135.87	1647.54	2824.94	1009.27	649.74	525.92	1041.89	2648.95	
15	374.62	366.11	428.01	688.26	1969.42	1342.82	2713.39	930.27	662.44	525.92	1108.86	2135.87	
16	391.98	357.71	536.34	701.37	2309.91	1419.87	2460.80	884.59	755.22	557.51	1143.23	3016.47	
17	374.62	383.24	728.01	797.07	1996.64	1479.25	3055.62	1058.41	755.22	515.62	1025.51	3462.76	
18	349.41	333.15	755.22	728.01	1788.16	1479.25	7209.27	1249.87	714.62	505.44	1381.04	3016.47	
19	366.11	333.15	714.62	688.26	1624.73	1602.10	8662.63	1213.73	637.18	637.18	1647.54	3095.06	
20	325.19	294.39	624.75	977.24	1439.51	2939.02	4756.75	1091.90	688.26	624.75	1693.70	3547.62	
21	309.57	286.96	437.29	3590.48	1381.04	4460.08	3215.06	1125.97	624.75	624.75	1647.54	3337.62	
22	272.41	294.39	428.01	2339.66	1717.05	14037.90	3134.77	1091.90	579.15	601.24	1539.99	2713.39	
23	265.29	272.41	495.36	1764.27	1581.24	13924.20	3505.04	1286.60	579.15	637.18	1539.99	3633.63	
24	229.12	251.38	409.77	1836.46	1419.87	8351.06	7344.51	1009.27	637.18	637.18	1693.70	3720.79	
25	240.11	428.01	446.69	1996.64	1602.10	4315.74	7142.18	945.78	688.26	590.14	1400.38	3590.48	
26	245.71	391.98	418.83	2939.02	2051.70	3215.06	4268.22	930.27	495.36	637.18	1459.31	4174.05	
27	286.96	428.01	437.29	4081.07	2024.07	4315.74	2430.19	811.30	590.14	579.15	1479.25	3853.71	
28	325.19	485.40	374.62	5221.92	2221.94	4756.75	1812.22	769.03	579.15	601.24	1400.38	3055.62	
29	301.93	446.69	366.11	8662.63	2251.05	4174.05	1499.34	741.55	612.47	590.14		2648.95	
30	557.51	446.69	437.29	8428.36	2164.35	3255.63	1479.25	662.44	590.14	601.24		3633.63	
31		465.82		4220.99	2460.80		2079.55		601.24	601.24		3337.62	
Total	10598.84	11793.66	12950.20	58190.55	73750.70	108599.28	113034.19	39955.31	19868.72	17320.14	34757.11	85253.80	586072.50 Ton/day
Mean	353.29	380.44	431.67	1877.11	2379.05	3619.98	3646.26	1331.84	640.93	558.71	1241.33	2750.12	1605.68 Ton/day
Max	557.51	728.01	755.22	8662.63	5711.51	14037.90	8662.63	3055.62	782.98	637.18	1693.70	4174.05	14037.90 Ton/day
Min	229.12	245.71	234.58	446.69	1160.63	1342.82	1479.25	662.44	495.36	409.77	590.14	1419.87	229.12 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	17		
R-Square	0.8905		
Remarks	Continued Sediment Station		

$$QS = 3.8198 QW^{1.26200}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.73	6.26	1.20	2.17	20.53	95.35	17.56	12.76	4.21	2.05	0.98	0.87	
2	0.80	2.44	1.09	2.17	17.56	54.36	18.30	12.14	4.21	2.05	0.98	0.87	
3	0.80	1.43	1.67	2.44	18.30	36.96	13.38	11.53	3.82	2.05	0.98	0.77	
4	1.20	1.09	2.17	1.92	20.53	26.78	13.38	12.14	3.82	2.05	0.98	0.77	
5	2.44	1.43	1.92	1.67	24.92	21.28	12.14	10.93	3.82	1.84	0.98	0.77	
6	1.67	1.20	1.92	1.67	24.92	18.30	33.74	9.74	3.82	1.84	0.98	1.20	
7	2.70	1.20	2.97	2.17	25.85	16.12	22.18	9.16	3.53	1.84	0.98	2.05	
8	5.42	1.67	4.61	1.92	21.28	14.71	16.84	10.33	3.53	1.59	0.98	3.82	
9	2.17	1.92	3.82	2.97	16.84	14.01	15.41	9.16	3.53	1.84	0.87	1.47	
10	2.17	1.09	3.82	5.01	14.71	14.01	14.01	8.59	3.53	1.84	0.77	1.20	
11	1.43	1.02	5.84	7.57	12.76	16.84	12.76	8.02	3.25	1.47	0.77	1.09	
12	1.67	1.02	5.42	5.01	10.93	14.01	34.81	7.57	3.25	1.47	0.77	1.47	
13	1.92	0.91	3.82	5.01	9.74	11.53	28.68	7.57	3.25	1.47	0.87	2.30	
14	4.21	0.73	5.01	3.53	9.16	10.93	22.18	7.13	3.25	1.47	0.87	2.79	
15	1.92	0.73	10.33	3.25	8.02	10.33	35.88	6.70	3.25	1.47	0.87	3.02	
16	1.43	0.53	8.02	3.53	8.02	12.14	26.78	6.70	2.97	1.47	0.98	3.02	
17	1.20	0.63	7.13	5.84	7.13	12.14	40.23	6.26	2.97	1.47	1.47	1.47	
18	1.43	0.53	5.84	7.57	6.26	10.93	29.63	6.26	2.97	1.36	4.06	1.84	
19	1.67	0.63	5.01	28.68	5.84	11.53	24.92	5.84	3.53	1.36	3.53	1.20	
20	1.09	0.63	3.82	19.78	5.42	15.41	22.18	5.84	3.30	1.36	2.79	1.59	
21	0.91	0.53	3.25	14.01	6.26	22.18	20.53	5.42	3.30	1.36	2.05	2.05	
22	0.73	0.47	2.70	14.71	5.42	21.28	19.78	5.42	3.30	1.59	1.47	2.52	
23	0.73	0.47	2.97	30.59	5.01	17.56	34.81	5.42	3.30	1.36	1.20	3.30	
24	0.63	0.47	3.25	17.56	4.61	15.41	43.88	5.01	3.02	1.36	1.20	3.53	
25	0.63	0.47	2.97	35.88	5.42	16.84	23.09	4.61	3.02	1.20	1.09	1.59	
26	0.63	0.63	2.70	38.04	5.84	29.63	19.78	4.21	2.79	1.09	0.98	1.36	
27	0.63	0.80	2.44	43.88	7.13	21.28	18.30	4.21	2.52	1.09	0.98	1.20	
28	0.63	1.02	2.44	43.88	6.26	18.30	16.84	4.21	2.52	1.09	0.87	1.09	
29	2.17	1.09	2.97	29.63	6.70	15.41	16.12	3.82	2.30	1.09		1.09	
30	5.01	1.09	2.44	30.59	7.57	14.01	14.71	3.82	2.30	1.09		1.09	
31		1.20		26.78	19.78		14.01		2.05	1.09		0.98	
Total	50.77	35.33	113.56	439.43	368.72	629.57	696.84	220.52	100.23	46.77	36.30	53.38	2791.42 Tonday
Mean	1.69	1.14	3.79	14.18	11.89	20.99	22.48	7.35	3.23	1.51	1.30	1.72	7.65 Ton/day
Max	5.42	6.26	10.33	43.88	25.85	95.35	43.88	12.76	4.21	2.05	4.06	3.82	95.35 Ton/day
Min	0.63	0.47	1.09	1.67	4.61	10.33	12.14	3.82	2.05	1.09	0.77	0.77	0.47 Ton/day

WATER YEAR : 2021

MAE KLONG RIVER BASIN

Huai Ong Thi at Ban Ong Thi , Kanchanaburi (K.39)

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.		
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	2021		
Number of observation	22		
R-Square	0.9466		
Remarks	Continued Sediment Station		

$$QS = 3.9333 QW^{1.45390}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.68	2.01	0.96	2.34	14.73	6.96	26.25	6.08	2.34	1.23	1.04	0.85	
2	0.78	1.44	0.85	2.34	9.24	5.25	22.22	8.29	2.34	1.23	1.04	0.78	
3	0.68	1.23	0.85	1.44	22.22	6.08	14.73	5.63	2.01	1.23	1.04	0.78	
4	1.04	1.23	0.78	1.23	30.60	6.96	15.87	5.25	2.01	1.23	1.04	0.78	
5	1.35	1.15	0.78	1.23	23.51	6.08	11.33	4.46	2.01	1.23	1.15	0.78	
6	1.04	1.23	0.85	1.23	23.51	4.46	12.46	4.05	2.01	1.23	1.15	0.78	
7	1.15	1.15	0.96	1.74	15.87	5.63	11.33	4.05	2.01	1.23	1.15	0.96	
8	1.23	1.15	1.04	1.35	10.31	6.48	8.80	4.05	2.01	1.15	1.04	1.04	
9	1.04	1.35	1.04	4.05	8.80	5.25	10.31	3.71	2.01	1.23	1.04	0.96	
10	1.15	1.15	1.23	3.32	7.86	5.63	8.29	3.71	1.74	1.15	1.04	0.96	
11	1.44	1.35	1.74	3.71	7.86	8.80	7.86	3.71	2.01	1.15	1.04	0.96	
12	1.74	1.15	1.44	3.00	6.96	6.48	12.46	3.32	1.74	1.15	1.04	0.85	
13	1.15	1.04	1.23	2.34	9.24	5.63	9.24	3.00	1.74	1.15	1.04	0.85	
14	4.82	0.85	2.01	1.74	7.86	5.25	8.80	3.00	1.74	1.15	1.35	0.85	
15	1.44	0.85	4.82	3.32	6.48	5.25	11.33	2.64	1.74	1.15	1.04	0.85	
16	1.23	0.85	4.82	3.00	6.08	5.63	18.31	2.64	1.74	1.15	1.15	0.85	
17	1.15	0.85	4.46	2.01	5.25	4.46	163.07	2.64	1.74	1.15	1.04	0.96	
18	1.04	0.85	3.00	3.00	4.46	7.86	27.71	2.34	1.44	1.15	1.15	1.15	
19	1.44	0.85	2.01	51.94	4.05	10.31	14.73	3.00	1.44	1.15	1.35	1.04	
20	1.35	0.78	1.44	12.46	3.71	7.37	9.24	3.32	1.44	1.15	1.23	1.04	
21	1.15	0.78	1.35	7.86	4.05	15.87	8.29	3.32	1.44	1.15	1.15	1.04	
22	1.04	0.85	1.35	6.08	3.71	39.06	26.25	3.32	1.44	1.15	1.04	1.04	
23	0.96	0.96	1.35	7.86	3.32	27.71	20.86	3.00	1.44	1.15	0.96	1.04	
24	0.96	0.96	1.35	10.31	3.00	14.73	17.12	3.00	1.35	1.15	0.96	1.04	
25	1.04	0.96	1.35	20.86	4.05	22.22	9.24	3.00	1.35	1.04	0.96	1.04	
26	0.96	0.96	1.44	30.60	10.31	43.23	7.86	3.00	1.35	1.04	0.85	0.96	
27	1.04	0.85	2.34	65.91	8.80	23.51	7.37	2.64	1.35	1.04	0.85	0.96	
28	1.74	0.85	2.64	58.86	5.63	15.87	6.96	2.34	1.35	1.04	0.85	0.96	
29	10.31	0.96	1.74	27.71	4.46	12.46	6.96	2.34	1.35	1.04		0.85	
30	4.46	1.15	1.35	20.86	6.08	10.31	6.08	2.34	1.23	1.04		0.85	
31		1.04		15.87	8.80		6.08		1.35	1.04		0.85	
Total	50.60	32.83	52.57	379.57	290.81	350.79	547.41	107.19	52.26	35.52	29.78	28.70	1958.03 Tonday
Mean	1.69	1.06	1.75	12.24	9.38	11.69	17.66	3.57	1.69	1.15	1.06	0.93	5.36 Ton/day
Max	10.31	2.01	4.82	65.91	30.60	43.23	163.07	8.29	2.34	1.23	1.35	1.15	163.07 Ton/day
Min	0.68	0.78	0.78	1.23	3.00	4.46	6.08	2.34	1.23	1.04	0.85	0.78	0.68 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	26		
R-Square	0.9392		
Remarks	Continued Sediment Station		

$$QS = 2.1840 QW^{1.38740}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.05	3.73	0.47	2.03	34.18	11.35	20.94	16.05	1.74	0.91	0.53	0.47	
2	0.05	2.12	0.41	4.97	23.25	8.35	43.09	15.26	1.74	0.83	0.53	0.39	
3	0.05	1.47	0.39	2.31	40.05	10.64	57.78	8.89	1.69	0.81	0.53	0.34	
4	0.07	1.08	0.34	1.69	47.18	15.68	40.05	8.09	1.60	0.81	0.53	0.32	
5	0.14	0.91	0.32	1.41	42.33	15.26	24.43	6.81	1.60	0.81	0.53	0.34	
6	0.39	0.81	0.34	1.28	36.35	9.70	25.63	5.83	1.55	0.81	0.51	0.34	
7	0.32	0.77	0.53	1.28	27.45	9.98	17.71	5.13	1.55	0.77	0.51	0.37	
8	0.32	0.95	1.41	1.20	18.15	13.67	13.26	5.36	1.55	0.74	0.51	0.39	
9	0.27	2.59	1.20	1.20	14.43	8.62	12.12	4.49	1.47	0.74	0.47	0.41	
10	0.53	0.95	1.28	1.89	13.67	7.32	12.52	4.19	1.47	0.74	0.47	0.39	
11	0.83	0.70	3.87	5.13	10.64	11.01	9.98	3.87	1.41	0.74	0.45	0.34	
12	3.28	0.66	3.87	4.01	9.16	9.16	9.43	3.73	1.47	0.70	0.45	0.32	
13	0.77	0.59	2.03	3.41	12.52	7.06	16.47	3.59	1.41	0.70	0.45	0.28	
14	12.12	0.53	2.46	3.01	10.26	7.83	11.35	3.41	1.41	0.70	0.70	0.28	
15	6.07	0.47	8.89	3.73	9.16	5.59	19.25	3.14	1.33	0.68	0.66	0.27	
16	1.28	0.45	11.74	9.98	8.09	5.83	24.43	3.14	1.33	0.68	0.68	0.27	
17	0.83	0.41	10.64	5.13	6.32	7.57	161.94	2.85	1.28	0.68	0.68	0.27	
18	0.70	0.39	6.32	12.12	5.13	6.07	53.29	2.72	1.28	0.66	1.03	0.28	
19	0.66	0.34	3.14	86.26	4.49	12.12	30.64	2.59	1.15	0.66	3.41	0.28	
20	0.70	0.32	1.97	53.29	3.87	8.89	20.94	2.46	1.15	0.61	1.15	0.27	
21	0.59	0.27	1.89	22.67	9.70	26.23	16.05	2.46	1.15	0.66	0.95	0.32	
22	0.51	0.25	3.14	15.68	5.59	65.63	22.09	2.31	1.15	0.68	0.74	0.45	
23	0.47	0.34	6.07	25.63	3.87	51.52	27.45	2.18	1.08	0.70	0.68	0.51	
24	0.41	0.41	2.72	20.37	3.59	29.31	32.04	2.12	1.08	0.66	0.66	0.39	
25	0.37	0.41	3.28	38.56	4.34	24.43	14.84	2.03	1.08	0.61	0.59	0.34	
26	0.37	0.51	2.59	59.60	7.06	82.65	11.74	1.89	1.08	0.55	0.55	0.28	
27	0.34	0.47	2.46	97.45	23.84	54.18	9.70	1.89	1.03	0.59	0.51	0.25	
28	0.55	0.41	9.16	99.99	14.84	34.18	8.62	1.83	0.95	0.59	0.47	0.22	
29	6.32	0.68	3.59	80.31	9.43	22.67	8.09	1.74	0.95	0.59		0.19	
30	17.33	0.55	2.18	52.41	9.70	16.90	9.16	1.83	0.91	0.53		0.14	
31		0.51		48.04	15.26		41.56		0.91	0.53		0.14	
Total	56.69	25.05	98.70	766.04	483.90	599.40	826.59	131.88	40.55	21.47	19.93	9.85	3080.05 Tonday
Mean	1.89	0.81	3.29	24.71	15.61	19.98	26.66	4.40	1.31	0.69	0.71	0.32	8.44 Ton/day
Max	17.33	3.73	11.74	99.99	47.18	82.65	161.94	16.05	1.74	0.91	3.41	0.51	161.94 Ton/day
Min	0.05	0.25	0.32	1.20	3.59	5.59	8.09	1.74	0.91	0.53	0.45	0.14	0.05 Ton/day

WATER YEAR : 2021

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	2021				
Number of observation	21				
R-Square	0.4652				
Remarks	Continued Sediment Station				

$$QS = 0.0003 QW^{2.79200}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	125.66	194.11	96.56	160.13	69.58	1882.95	453.44	154.87	112.50	154.87	592.05	1409.64	
2	165.51	47.99	79.04	176.57	60.88	1162.27	565.06	108.30	112.50	171.01	855.21	1316.08	
3	96.56	43.38	112.50	188.14	253.14	526.07	538.86	112.50	100.34	212.67	488.93	1688.46	
4	121.16	47.99	50.41	267.68	692.91	408.76	538.86	125.66	116.76	219.12	331.06	2122.20	
5	165.51	31.17	79.04	165.51	677.86	339.62	165.51	79.04	112.50	96.56	513.47	1040.05	
6	108.30	52.91	75.80	282.69	982.12	592.05	212.67	176.57	125.66	82.36	526.07	1688.46	
7	139.77	58.14	298.29	314.37	1079.87	149.75	206.35	139.77	154.87	96.56	723.65	1557.64	
8	92.88	58.14	121.16	232.34	1100.00	339.62	160.13	154.87	121.16	96.56	787.61	944.67	
9	96.56	58.14	125.66	200.14	820.96	322.65	139.77	85.78	182.30	82.36	526.07	2030.25	
10	75.80	58.14	116.76	267.68	755.25	513.47	139.77	79.04	206.35	188.14	633.98	1742.51	
11	92.88	63.70	100.34	239.16	771.27	314.37	149.75	82.36	171.01	149.75	771.27	3346.72	
12	89.28	52.91	144.71	339.62	708.17	526.07	306.29	72.64	182.30	176.57	565.06	1854.30	
13	82.36	45.65	130.27	165.51	739.34	565.06	677.86	72.64	176.57	160.13	453.44	1661.75	
14	116.76	52.91	139.77	171.01	677.86	290.42	578.45	89.28	206.35	160.13	1059.84	2251.93	
15	100.34	82.36	130.27	188.14	982.12	282.69	348.25	72.64	171.01	219.12	441.99	2708.50	
16	82.36	69.58	200.14	200.14	855.21	253.14	419.65	232.34	339.62	125.66	513.47	3137.80	
17	89.28	69.58	171.01	149.75	578.45	322.65	1825.94	139.77	82.36	160.13	1020.50	2030.25	
18	82.36	89.28	267.68	176.57	513.47	219.12	982.12	130.27	182.30	267.68	787.61	2352.60	
19	82.36	72.64	79.04	260.34	551.86	648.40	331.06	188.14	171.01	206.35	755.25	3097.21	
20	82.36	66.60	144.71	663.02	633.98	398.12	290.42	182.30	212.67	239.16	890.35	2122.20	
21	75.80	96.56	160.13	246.11	926.29	723.65	298.29	121.16	154.87	253.14	837.97	3016.79	
22	79.04	58.14	134.95	165.51	648.40	755.25	176.57	154.87	182.30	260.34	1020.50	2671.34	
23	39.62	79.04	188.14	239.16	739.34	501.14	144.71	116.76	322.65	154.87	1020.50	2976.95	
24	72.64	212.67	171.01	225.64	771.27	260.34	154.87	112.50	72.64	282.69	926.29	2598.23	
25	75.80	116.76	188.14	331.06	1362.34	212.67	100.34	130.27	212.67	200.14	963.27	3790.56	
26	79.04	139.77	165.51	551.86	1001.19	419.65	79.04	104.21	154.87	194.11	1040.05	2821.49	
27	75.80	134.95	130.27	804.17	1141.27	465.08	72.64	116.76	165.51	232.34	677.86	1457.97	
28	79.04	100.34	139.77	755.25	1040.05	476.91	66.60	112.50	176.57	225.64	1162.27	2671.34	
29	149.75	104.21	194.11	633.98	1001.19	526.07	125.66	92.88	194.11	219.12		3016.79	
30	182.30	121.16	225.64	116.76	1270.98	501.14	108.30	100.34	165.51	194.11		2318.66	
31		116.76		100.34	855.21		139.77		182.30	212.67		2783.58	
Total	2996.88	2595.68	4360.83	8978.35	24261.83	14899.15	10497.00	3641.03	5224.14	5694.06	20885.59	70226.92	174261.46 Tonday
Mean	99.90	83.73	145.36	289.62	782.64	496.64	338.61	121.37	168.52	183.68	745.91	2265.38	477.43 Ton/day
Max	182.30	212.67	298.29	804.17	1362.34	1882.95	1825.94	232.34	339.62	282.69	1162.27	3790.56	3790.56 Ton/day
Min	39.62	31.17	50.41	100.34	60.88	149.75	66.60	72.64	72.64	82.36	331.06	944.67	31.17 Ton/day

WATER YEAR : 2021**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	2021	
Number of observation	26	
R-Square	0.9210	
Remarks	Continued Sediment Station	

$$QS = 4.3073 QW^{1.70910}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.43	23.22	1.80	2.94	45.85	119.83	47.63	56.96	7.29	4.31	2.34	0.72	
2	0.43	3.95	1.32	2.94	14.32	93.13	36.29	45.85	7.29	3.95	2.06	0.72	
3	0.43	2.63	1.19	2.63	18.96	44.10	174.44	34.70	7.29	3.95	2.06	0.72	
4	1.32	2.06	1.55	2.34	30.44	42.56	212.97	30.44	7.29	3.95	2.06	0.61	
5	0.94	1.55	1.32	2.06	21.05	53.14	74.48	27.84	7.29	3.95	2.06	0.61	
6	0.72	1.55	1.32	2.06	16.06	31.78	212.97	24.27	6.74	3.95	1.80	0.61	
7	1.32	1.32	1.80	2.34	6.74	27.84	93.13	23.22	6.74	3.95	1.80	0.72	
8	3.26	1.32	2.06	2.94	2.94	39.37	42.56	23.22	6.74	3.60	1.80	1.32	
9	2.94	4.76	2.06	3.26	1.55	24.27	39.37	21.05	6.74	3.60	1.80	1.19	
10	2.34	2.34	2.06	3.95	1.32	18.96	30.44	19.92	6.22	3.60	1.55	0.94	
11	2.34	1.80	4.76	7.29	0.82	25.49	23.22	19.92	6.22	3.60	1.32	0.72	
12	2.63	1.55	5.72	7.84	0.52	23.22	21.05	19.92	5.72	3.60	1.19	0.61	
13	2.34	2.34	3.60	9.62	0.43	16.96	27.84	18.96	5.72	3.60	1.19	0.61	
14	4.76	2.34	4.31	5.23	0.61	16.96	26.58	18.96	5.72	3.26	1.19	0.61	
15	1.80	2.06	19.92	5.23	0.43	15.18	40.86	18.96	5.72	3.26	1.19	0.52	
16	1.32	1.80	17.88	34.70	0.43	15.18	51.28	17.88	5.72	3.26	1.32	0.52	
17	1.32	1.80	11.10	15.18	0.28	16.96	865.49	17.88	5.72	3.26	1.55	0.43	
18	1.55	1.80	7.84	16.96	0.19	16.06	178.91	16.96	5.23	3.26	1.80	0.52	
19	1.80	1.32	5.23	253.43	0.11	36.29	89.99	13.49	5.23	3.26	2.63	0.52	
20	1.19	1.06	3.95	291.68	0.06	33.32	62.88	10.35	5.23	3.26	2.34	0.61	
21	1.06	1.06	3.60	60.88	0.28	157.04	49.44	11.10	4.76	3.60	2.34	0.72	
22	1.06	1.06	3.26	84.35	0.35	149.26	53.14	10.35	4.76	3.95	1.80	0.72	
23	1.06	1.06	3.26	389.40	0.08	123.36	84.35	9.62	4.76	3.95	1.80	0.94	
24	1.06	1.19	3.26	123.36	0.04	44.10	183.42	9.62	4.76	3.60	1.55	0.94	
25	0.94	1.06	2.94	332.12	0.15	39.37	67.42	9.01	5.23	3.26	1.55	0.82	
26	0.94	1.80	3.26	405.28	0.72	259.45	49.44	8.42	5.23	3.26	1.19	0.61	
27	0.94	1.80	2.94	477.60	69.75	170.02	40.86	8.42	5.23	2.63	1.06	0.52	
28	0.94	2.34	6.74	116.34	34.70	79.35	36.29	7.84	4.76	2.63	0.82	0.52	
29	5.23	2.63	4.76	58.90	22.05	53.14	33.32	7.29	4.76	2.34		0.43	
30	7.84	2.06	3.60	26.58	23.22	40.86	33.32	7.29	4.31	2.34		0.43	
31		1.80		36.29	84.35		81.83		4.31	2.34		0.43	
Total	56.25	80.43	138.41	2785.72	398.80	1826.55	3065.21	569.71	178.73	106.33	47.16	20.91	9274.21 Tonday
Mean	1.88	2.59	4.61	89.86	12.86	60.88	98.88	18.99	5.77	3.43	1.68	0.67	25.41 Ton/day
Max	7.84	23.22	19.92	477.60	84.35	259.45	865.49	56.96	7.29	4.31	2.63	1.32	865.49 Ton/day
Min	0.43	1.06	1.19	2.06	0.04	15.18	21.05	7.29	4.31	2.34	0.82	0.43	0.04 Ton/day

WATER YEAR : 2021

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	2021				
Number of observation	30				
R-Square	0.9347				
Remarks	Continued Sediment Station				

$$QS = 0.8278 QW^{1.81040}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.72	47.83	29.22	10.74	65.68	58.64	402.33	599.74	151.94	13.95	2.40	4.35	
2	1.72	47.83	29.22	8.59	53.88	100.93	314.44	492.97	142.80	13.12	2.40	3.74	
3	1.52	52.34	30.41	5.69	44.92	226.10	449.38	591.20	128.12	13.12	2.40	3.45	
4	1.94	55.45	29.22	4.67	40.71	280.42	617.00	492.97	116.90	11.51	2.65	2.90	
5	2.90	42.10	29.22	4.67	39.35	177.57	395.67	389.29	100.93	10.74	2.65	2.65	
6	3.17	31.63	23.58	5.34	39.35	133.91	1248.78	334.62	86.02	10.00	2.90	2.16	
7	3.74	26.90	18.48	7.27	40.71	122.45	3520.05	345.03	74.42	9.28	3.45	2.16	
8	5.00	35.39	14.81	8.59	39.35	106.14	1864.45	319.37	69.99	8.59	2.90	2.90	
9	5.69	34.12	13.12	10.00	35.39	187.63	1620.47	1040.61	61.91	7.91	2.65	3.74	
10	7.27	53.88	12.30	11.51	30.41	226.10	1134.58	11283.21	58.64	7.27	2.40	5.00	
11	8.59	103.52	14.81	13.95	29.22	164.53	828.66	3974.07	55.45	6.65	2.16	4.35	
12	6.65	103.52	18.48	19.46	24.66	142.80	599.74	1838.42	52.34	5.69	2.16	2.90	
13	5.34	95.84	18.48	26.90	22.51	139.81	652.16	927.59	47.83	5.69	4.35	2.16	
14	4.35	239.19	18.48	24.66	22.51	119.66	516.78	599.74	44.92	7.27	4.67	1.72	
15	4.35	180.89	15.70	22.51	23.58	108.78	376.43	500.85	42.10	5.69	5.69	1.52	
16	6.05	86.02	15.70	24.66	21.47	90.87	309.53	435.67	38.01	5.34	11.51	1.33	
17	7.91	88.43	18.48	65.68	22.51	86.02	402.33	435.67	35.39	5.00	12.30	1.15	
18	14.81	108.78	23.58	46.36	30.41	83.64	905.14	1025.30	31.63	4.67	22.51	2.16	
19	13.95	76.68	22.51	34.12	26.90	76.68	939.09	652.16	29.22	4.67	139.81	1.72	
20	18.48	74.42	30.41	34.12	22.51	187.63	765.39	524.83	26.90	4.04	128.12	2.65	
21	12.30	83.64	23.58	47.83	20.46	1166.70	557.57	395.67	24.66	4.04	50.82	3.45	
22	22.51	83.64	18.48	60.26	20.46	3881.30	477.38	324.57	22.51	5.34	32.86	3.74	
23	34.12	65.68	14.81	53.88	26.90	1917.00	2078.55	304.45	20.46	5.69	23.58	7.27	
24	35.39	49.31	12.30	49.31	26.90	1150.59	6040.35	319.37	19.46	5.00	15.70	23.58	
25	26.90	42.10	11.51	46.36	21.47	817.80	4115.07	324.57	18.48	4.35	12.30	30.41	
26	19.46	36.69	10.74	50.82	20.46	839.26	2245.93	275.56	18.48	4.04	8.59	26.90	
27	16.60	36.69	11.51	65.68	20.46	1333.34	1350.55	234.66	17.53	3.45	6.05	26.90	
28	28.05	39.35	10.74	81.29	19.46	965.09	905.14	197.95	17.53	3.45	5.34	30.41	
29	57.03	39.35	10.74	111.46	19.46	688.19	715.78	174.27	16.60	3.45		25.77	
30	50.82	38.01	10.74	116.90	20.46	500.85	608.34	158.18	14.81	3.17		24.66	
31		32.86		88.43	21.47		608.34		13.95	2.16		21.47	
Total	428.33	2132.08	561.36	1161.71	913.99	16080.43	37565.40	29512.56	1599.93	204.34	515.32	279.27	90954.72 Tonday
Mean	14.28	68.78	18.71	37.47	29.48	536.01	1211.79	983.75	51.61	6.59	18.40	9.01	249.19 Ton/day
Max	57.03	239.19	30.41	116.90	65.68	3881.30	6040.35	11283.21	151.94	13.95	139.81	30.41	11283.21 Ton/day
Min	1.52	26.90	10.74	4.67	19.46	58.64	309.53	158.18	13.95	2.16	2.16	1.15	1.15 Ton/day

WATER YEAR : 2021

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	2021					
Number of observation	33					
R-Square	0.8218					
Remarks	Continued	Sediment Station				

$$QS = 3.1467 QW^{1.20590}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	14.75	24.05	22.98	82.43	51.78	851.53	379.43	113.81	24.05	18.78	18.78	19.82	
2	14.75	22.98	25.12	51.78	44.52	1286.13	658.19	130.82	24.05	18.78	19.82	19.82	
3	14.75	26.21	24.05	27.30	48.13	1496.54	477.74	108.23	25.12	17.76	19.82	19.82	
4	15.74	30.63	24.05	26.21	44.52	796.55	311.74	78.47	25.12	17.76	19.82	19.82	
5	15.74	27.30	22.98	16.74	37.47	500.20	318.40	51.78	24.05	17.76	19.82	18.78	
6	15.74	70.66	24.05	90.45	30.63	358.89	470.60	59.21	24.05	16.74	19.82	19.82	
7	15.74	246.48	25.12	130.82	26.21	259.32	1032.29	94.51	24.05	17.76	19.82	19.82	
8	15.74	278.78	25.12	113.81	20.86	796.55	752.83	148.22	24.05	16.74	19.82	19.82	
9	15.74	160.02	26.21	59.21	15.74	1258.64	428.11	492.09	24.05	16.74	19.82	20.86	
10	15.74	94.51	22.98	37.47	17.76	1243.88	365.72	352.09	22.98	16.74	19.82	21.92	
11	15.74	98.59	20.86	70.66	48.13	1518.31	259.32	130.82	21.92	16.74	19.82	24.05	
12	15.74	196.29	18.78	86.43	17.76	1145.55	160.02	86.43	21.92	16.74	20.86	20.86	
13	16.74	136.58	17.76	214.88	19.82	393.24	171.97	74.55	20.86	16.74	20.86	20.86	
14	16.74	66.80	20.86	265.78	34.02	252.88	214.88	62.99	20.86	16.74	20.86	21.92	
15	17.76	48.13	55.47	265.78	21.92	272.27	516.47	55.47	20.86	16.74	22.98	20.86	
16	17.76	55.47	34.02	393.24	25.12	1208.15	683.78	51.78	20.86	16.74	24.05	19.82	
17	17.76	44.52	86.43	227.43	48.13	831.82	1727.72	44.52	20.86	16.74	25.12	21.92	
18	20.86	44.52	142.38	165.98	44.52	1755.61	1993.97	48.13	20.86	16.74	44.52	21.92	
19	20.86	136.58	66.80	108.23	24.05	1973.44	1811.62	48.13	19.82	16.74	40.97	22.98	
20	21.92	214.88	44.52	62.99	25.12	3643.72	666.70	66.80	19.82	16.74	25.12	26.21	
21	20.86	51.78	34.02	30.63	44.52	2778.52	358.89	55.47	19.82	17.76	22.98	48.13	
22	20.86	37.47	26.21	25.12	62.99	1022.09	184.06	44.52	18.78	16.74	21.92	40.97	
23	18.78	25.12	26.21	24.05	62.99	675.23	190.16	40.97	18.78	17.76	20.86	66.80	
24	18.78	17.76	25.12	40.97	59.21	524.64	178.00	40.97	18.78	17.76	20.86	70.66	
25	22.98	14.75	24.05	761.54	82.43	735.46	178.00	22.98	18.78	17.76	20.86	27.30	
26	21.92	13.76	24.05	557.54	372.56	1367.07	102.71	15.74	18.78	17.76	21.92	25.12	
27	22.98	14.75	24.05	196.29	735.46	1011.92	70.66	17.76	18.78	18.78	20.86	26.21	
28	24.05	214.88	22.98	86.43	779.01	1229.15	94.51	24.05	18.78	18.78	19.82	24.05	
29	22.98	142.38	142.38	74.55	582.43	735.46	318.40	26.21	18.78	16.74		22.98	
30	24.05	30.63	196.29	102.71	407.12	435.14	221.14	25.12	18.78	16.74		22.98	
31		25.12		70.66	822.98		130.82		18.78	16.74		37.47	
Total	554.55	2612.38	1295.90	4468.11	4657.91	32357.90	15428.85	2612.64	657.83	536.28	632.40	834.37	66649.12 Tonday
Mean	18.49	84.27	43.20	144.13	150.26	1078.60	497.70	87.09	21.22	17.30	22.59	26.92	182.60 Ton/day
Max	24.05	278.78	196.29	761.54	822.98	3643.72	1993.97	492.09	25.12	18.78	44.52	70.66	3643.72 Ton/day
Min	14.75	13.76	17.76	16.74	15.74	252.88	70.66	15.74	18.78	16.74	18.78	18.78	13.76 Ton/day

WATER YEAR : 2021**PPRACHIN BURI RIVER BASIN****Khlong Phra Prong at Ban Kaeng , Sa Kao (Kgt.12)**

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	1,474 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	2021		
Number of observation	33		
R-Square	0.8351		
Remarks	Continued Sediment Station		

$$QS = 14.3300 QW^{0.60660}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	9.75	19.06	41.62	8.59	54.34	115.06	206.80	124.92	36.87	27.34	30.64	23.44	
2	9.41	21.15	38.96	7.58	53.97	103.89	170.00	119.06	35.92	26.76	31.43	23.12	
3	9.41	23.12	32.72	6.90	53.97	101.96	179.78	115.06	35.68	26.47	32.21	23.12	
4	10.30	25.58	22.80	6.18	53.60	107.93	189.23	111.87	34.96	26.47	32.97	22.80	
5	11.03	27.62	13.71	5.88	52.86	130.59	185.78	107.70	33.22	26.18	33.22	22.80	
6	11.84	28.19	12.33	5.88	53.60	133.68	185.29	100.98	31.95	26.18	32.46	22.48	
7	12.80	27.62	10.30	5.40	52.86	120.71	206.34	92.41	30.64	26.18	31.17	22.48	
8	14.33	25.58	8.83	5.88	54.88	121.69	230.84	84.40	29.29	25.58	29.84	22.48	
9	16.41	22.48	7.97	3.10	60.18	146.37	252.28	78.19	31.17	25.58	29.02	23.12	
10	17.19	22.48	8.22	6.62	60.69	187.43	263.94	75.86	32.97	25.58	28.74	24.98	
11	16.80	24.68	13.89	10.83	55.97	216.36	264.40	74.07	33.22	25.58	28.19	27.05	
12	16.01	26.76	22.80	14.76	51.35	227.96	253.69	70.88	32.97	25.28	29.56	28.74	
13	14.76	25.88	27.05	24.37	47.06	239.06	247.99	67.60	32.72	25.28	32.46	30.11	
14	14.76	21.49	29.02	34.96	43.76	243.24	249.90	64.20	32.21	24.98	34.96	30.64	
15	14.76	15.18	30.11	43.34	48.65	229.91	261.17	60.18	31.69	24.98	37.81	29.84	
16	15.18	11.84	30.37	45.84	53.60	207.88	274.83	57.04	31.43	24.68	35.44	29.02	
17	14.33	10.83	30.11	45.43	61.71	185.45	295.39	54.88	31.17	24.06	33.97	28.74	
18	14.16	8.83	32.46	44.19	64.20	163.36	313.01	53.60	30.90	23.75	35.20	30.11	
19	14.16	7.97	40.30	42.06	65.19	150.19	338.69	52.48	30.90	24.06	35.20	29.29	
20	13.44	8.22	46.25	37.81	67.12	158.74	358.00	51.35	30.90	24.06	32.72	29.56	
21	12.52	8.22	43.76	34.22	69.02	187.43	359.73	50.59	30.64	24.06	30.37	29.56	
22	12.80	7.58	37.11	31.17	66.16	229.91	347.99	49.82	30.64	24.37	28.46	29.84	
23	13.89	7.58	30.11	26.76	60.69	262.16	331.48	49.04	30.37	26.47	27.34	30.37	
24	16.80	8.59	22.15	26.76	56.51	264.93	313.01	48.65	29.84	28.19	27.34	31.95	
25	19.77	9.18	15.60	54.34	54.34	246.00	291.96	47.46	29.56	29.02	27.34	34.47	
26	21.82	8.59	12.33	73.62	55.97	224.70	267.60	46.65	29.56	29.56	26.76	36.87	
27	20.12	7.31	10.30	81.05	65.19	217.55	233.34	45.43	29.02	29.84	25.58	40.75	
28	19.42	10.30	8.83	71.80	97.76	215.76	191.18	44.19	28.46	30.11	24.37	43.76	
29	18.69	22.80	7.97	64.20	138.13	208.49	153.29	42.06	28.19	30.37		42.49	
30	17.95	32.46	7.97	60.69	149.81	193.92	136.82	38.96	27.90	30.64		38.96	
31		37.34		56.51	132.45		133.78		27.62	30.64		36.64	
Total	444.61	564.51	695.95	986.72	2055.59	5542.31	7687.53	2079.58	972.58	822.30	864.77	919.58	23636.03 Tonday
Mean	14.82	18.21	23.20	31.83	66.31	184.74	247.98	69.32	31.37	26.53	30.88	29.66	64.76 Ton/day
Max	21.82	37.34	46.25	81.05	149.81	264.93	359.73	124.92	36.87	30.64	37.81	43.76	359.73 Ton/day
Min	9.41	7.31	7.97	3.10	43.76	101.96	133.78	38.96	27.62	23.75	24.37	22.48	3.10 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	16		
R-Square	0.7070		
Remarks	Continued Sediment Station		

$$QS = 14.8150 QW^{0.75360}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	17.00	95.16	91.49	201.83	211.73	941.54	985.73	529.92	105.91	76.29	91.49	91.49	
2	21.11	136.80	81.46	151.13	193.21	917.02	893.74	464.79	103.55	72.34	93.95	90.26	
3	23.07	138.42	74.98	119.71	183.00	908.31	873.21	440.89	101.18	71.00	97.58	90.26	
4	27.75	124.19	64.20	95.16	180.05	918.46	856.96	417.49	99.99	68.31	96.38	89.02	
5	30.44	111.73	47.55	82.74	168.07	931.47	787.14	386.95	98.79	66.95	93.95	89.02	
6	33.05	104.73	46.79	65.58	169.58	899.58	759.57	336.07	96.38	66.95	93.95	87.78	
7	30.44	163.51	48.32	74.98	157.36	810.33	842.71	307.50	98.79	82.74	92.72	89.02	
8	28.66	245.95	51.32	154.26	141.63	747.05	912.67	326.16	99.99	86.52	91.49	90.26	
9	35.59	264.44	49.07	149.56	141.63	842.71	935.79	356.98	96.38	86.52	90.26	91.49	
10	38.08	220.10	58.59	140.03	138.42	967.28	908.31	418.80	93.95	86.52	89.02	90.26	
11	33.05	174.09	65.58	109.41	128.62	1037.64	867.31	446.03	93.95	86.52	89.02	92.72	
12	36.43	155.81	66.95	117.45	141.63	1076.36	814.40	326.16	91.49	85.27	91.49	98.79	
13	35.59	204.67	66.95	141.63	124.19	1087.35	807.61	265.75	89.02	85.27	96.38	97.58	
14	34.75	207.51	66.95	194.66	102.37	1068.11	856.96	237.89	87.78	86.52	98.79	96.38	
15	33.05	151.13	64.20	245.95	114.03	999.85	942.97	211.73	87.78	85.27	105.91	95.16	
16	37.26	104.73	91.49	270.94	133.55	934.35	1079.11	190.31	93.95	86.52	107.08	93.95	
17	41.32	96.38	141.63	316.16	147.99	942.97	1202.16	177.08	86.52	85.27	105.91	92.72	
18	39.71	92.72	224.25	303.14	169.58	954.44	1310.00	172.59	86.52	85.27	107.08	93.95	
19	39.71	89.02	229.73	253.93	181.52	968.70	1321.33	166.56	87.78	85.27	117.45	101.18	
20	46.79	102.37	194.66	211.73	166.56	972.97	1304.33	160.45	87.78	85.27	124.19	101.18	
21	49.07	217.32	149.56	160.45	172.59	999.85	1300.06	166.56	97.58	84.00	112.88	104.73	
22	47.55	211.73	117.45	125.30	190.31	1045.98	1301.48	160.45	112.88	85.27	104.73	114.03	
23	46.02	118.58	101.18	102.37	197.54	1084.60	1281.54	144.82	98.79	87.78	98.79	112.88	
24	45.25	87.78	89.02	118.58	181.52	1107.84	1232.66	135.18	89.02	89.02	96.38	114.03	
25	42.11	52.80	80.18	197.54	249.95	1099.65	1168.59	130.27	86.52	90.26	96.38	140.03	
26	46.79	36.43	62.82	479.19	440.89	1072.24	1088.72	121.96	91.49	90.26	95.16	124.19	
27	64.20	31.32	60.01	610.32	677.66	1066.73	982.90	104.73	91.49	90.26	95.16	110.57	
28	66.95	24.98	58.59	486.34	944.41	1073.61	855.48	99.99	87.78	90.26	92.72	112.88	
29	80.18	77.59	48.32	336.07	1070.86	1074.99	735.87	103.55	85.27	95.16		110.57	
30	78.89	227.00	89.02	253.93	1034.86	1055.68	679.10	108.25	80.18	93.95		107.08	
31		118.58		225.62	971.55		617.76		76.29	91.49		103.55	
Total	1229.86	4187.57	2682.31	6495.69	9226.86	29607.66	30506.17	7615.86	2884.77	2608.30	2766.29	3117.01	102928.35 Tonday
Mean	41.00	135.08	89.41	209.54	297.64	986.92	984.07	253.86	93.06	84.14	98.80	100.55	282.00 Ton/day
Max	80.18	264.44	229.73	610.32	1070.86	1107.84	1321.33	529.92	112.88	95.16	124.19	140.03	1321.33 Ton/day
Min	17.00	24.98	46.79	65.58	102.37	747.05	617.76	99.99	76.29	66.95	89.02	87.78	17.00 Ton/day

WATER YEAR : 2021

PRACHIN BURI RIVER BASIN

Khlong Yang at Ban Thung Faek , Prachin Buri (Kgt.14)

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	2021		
Number of observation	27		
R-Square	0.9086		
Remarks	Continued Sediment Station		

$$QS = 6.6379 QW^{1.27240}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.14	70.44	2.07	2.34	76.09	616.38	129.05	76.09	4.45	2.82	1.87	1.62	
2	1.08	13.04	2.07	1.81	30.32	331.12	96.55	70.44	4.37	2.75	2.00	1.62	
3	1.02	5.48	2.00	1.62	18.10	616.38	111.78	84.73	4.37	2.75	2.13	2.20	
4	1.02	10.19	2.00	1.50	9.27	285.04	99.56	31.50	4.06	2.75	2.07	2.07	
5	1.14	7.49	1.87	1.37	10.19	240.50	59.43	30.32	4.06	2.68	1.94	1.81	
6	1.25	6.64	1.94	1.37	31.50	153.42	43.73	29.16	4.06	2.75	1.87	1.68	
7	1.25	19.16	2.00	1.50	25.73	129.05	62.15	108.69	3.91	2.61	1.81	1.68	
8	1.25	6.30	1.94	2.68	13.04	3132.25	35.08	73.25	3.99	2.47	1.81	1.68	
9	1.20	5.64	2.07	25.73	7.49	1384.81	64.89	32.68	3.84	2.47	1.81	1.37	
10	1.20	4.45	2.27	24.60	9.27	1214.93	35.08	24.60	3.91	2.40	1.81	1.50	
11	1.68	3.69	2.27	22.39	5.48	1002.78	28.01	22.39	3.84	2.40	1.81	1.62	
12	2.20	3.25	2.13	6.64	19.16	270.01	28.01	19.16	3.76	2.34	1.87	1.43	
13	2.40	2.89	2.61	4.68	26.86	148.48	81.83	19.16	3.61	2.27	1.94	1.50	
14	2.34	2.68	2.75	4.06	30.32	124.29	99.56	17.06	3.69	2.34	1.94	1.20	
15	4.14	2.47	2.40	3.76	885.63	133.85	1240.75	17.06	3.61	2.27	2.34	1.14	
16	2.47	2.40	2.13	3.69	1491.65	194.18	554.69	14.02	3.84	2.27	2.20	1.81	
17	1.94	2.47	2.07	4.37	173.55	111.78	226.02	11.12	3.76	2.20	2.20	2.68	
18	1.75	2.47	2.07	4.60	76.09	99.56	292.62	5.97	3.25	2.20	2.20	2.27	
19	1.56	2.96	1.94	4.22	56.75	129.05	173.55	5.81	3.10	2.13	2.20	3.17	
20	1.56	3.69	1.87	3.91	38.73	114.88	102.59	5.64	3.10	2.13	2.13	2.68	
21	1.56	2.82	1.94	4.60	23.49	233.24	102.59	5.00	3.10	2.07	2.00	2.75	
22	1.56	2.47	1.94	12.07	16.03	153.42	99.56	5.16	3.03	2.13	1.87	2.68	
23	1.68	2.34	1.94	15.02	12.07	194.18	96.55	5.00	3.03	2.20	1.81	3.69	
24	2.54	2.96	2.13	22.39	12.07	402.88	76.09	5.00	3.03	2.13	1.87	4.92	
25	2.75	2.75	2.13	427.44	194.18	1125.48	48.85	5.48	3.03	2.13	1.75	4.37	
26	2.68	2.40	2.00	511.49	973.20	3435.05	36.29	4.53	3.17	2.07	1.68	3.10	
27	2.07	2.20	2.89	153.42	3154.36	1424.67	31.50	4.45	3.17	2.07	1.62	2.54	
28	1.87	2.13	3.17	78.95	1227.82	904.94	30.32	4.45	3.03	2.00	1.62	2.20	
29	5.32	2.20	2.40	56.75	346.81	419.22	36.29	4.37	2.96	1.94		2.13	
30	54.08	2.27	2.61	78.95	163.42	178.66	35.08	4.37	2.96	1.94		1.94	
31		2.20		124.29	133.85		102.59		2.89	1.87		1.75	
Total	109.70	204.54	65.62	1612.21	9292.52	18904.48	4260.64	746.66	109.98	71.55	54.17	68.80	35500.87 Tonday
Mean	3.66	6.60	2.19	52.01	299.76	630.15	137.44	24.89	3.55	2.31	1.93	2.22	97.26 Ton/day
Max	54.08	70.44	3.17	511.49	3154.36	3435.05	1240.75	108.69	4.45	2.82	2.34	4.92	3435.05 Ton/day
Min	1.02	2.13	1.87	1.37	5.48	99.56	28.01	4.37	2.89	1.87	1.62	1.14	1.02 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	42		
R-Square	0.8725		
Remarks	Continued Sediment Station		

$$QS = 8.7577 QW^{0.99750}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	14.87	43.18	26.64	259.21	115.73	1076.83	680.02	264.40	36.65	25.77	27.07	29.25	
2	12.69	74.91	31.43	122.67	95.76	1116.10	682.18	248.81	34.47	25.77	27.94	28.81	
3	13.56	67.96	32.73	86.21	87.07	1224.83	977.99	248.81	32.73	25.33	28.38	28.81	
4	14.43	54.05	31.86	41.00	80.13	1300.32	773.33	200.72	32.30	24.89	28.81	28.38	
5	15.30	48.83	30.99	25.77	73.17	1194.63	537.40	139.59	32.30	24.46	28.81	28.38	
6	14.43	48.83	30.56	29.25	61.01	851.06	688.66	120.93	31.86	24.02	28.81	27.94	
7	13.56	126.14	30.99	202.02	47.09	571.99	946.91	146.10	31.86	23.59	29.25	28.38	
8	13.12	355.75	30.99	187.72	37.09	527.03	1131.20	231.92	31.86	23.59	29.25	28.38	
9	13.56	298.61	34.04	168.21	29.25	990.94	1011.66	293.42	31.43	23.15	29.25	28.81	
10	15.30	209.82	37.09	76.65	27.07	1212.75	710.26	645.46	31.43	23.15	29.25	29.25	
11	20.10	140.89	30.12	73.17	42.74	1288.24	589.27	399.02	30.99	23.15	29.25	29.25	
12	21.41	134.38	27.07	117.46	104.44	1363.73	457.84	192.92	30.12	23.59	29.69	29.69	
13	20.97	92.29	24.02	161.71	36.65	1333.53	421.51	139.59	29.69	23.59	30.12	29.69	
14	21.84	94.89	19.66	298.61	48.83	858.84	447.46	121.80	28.81	23.15	33.17	29.69	
15	24.02	94.89	25.77	359.21	77.52	525.30	636.81	103.57	27.51	23.15	35.34	28.81	
16	25.33	90.55	87.07	399.02	35.34	623.85	1042.74	90.55	27.51	22.72	37.09	28.38	
17	23.59	87.94	71.44	494.17	27.94	1058.71	1273.15	80.99	27.94	22.72	39.70	30.12	
18	25.77	107.91	76.65	326.32	33.60	1104.02	1463.35	74.91	28.38	22.72	43.18	34.47	
19	31.43	156.50	82.73	246.21	45.35	1285.22	1572.01	74.91	27.94	22.72	52.31	37.52	
20	33.17	207.22	75.78	155.20	49.70	1378.82	1635.38	87.07	27.94	22.72	54.05	39.26	
21	29.25	317.66	64.48	94.02	53.18	1484.48	1508.62	96.63	27.94	22.72	43.18	41.00	
22	27.07	161.71	37.52	53.18	110.52	1653.49	1055.68	86.21	27.51	22.72	35.78	49.70	
23	26.64	43.61	35.78	31.86	116.59	1677.63	788.88	74.04	27.51	22.72	31.86	73.17	
24	27.07	30.56	34.91	39.70	108.78	1433.16	682.18	63.61	27.07	22.72	30.56	118.33	
25	39.26	24.89	34.47	221.52	163.01	1076.83	591.44	45.35	27.07	23.15	30.56	94.89	
26	43.18	21.84	34.91	814.79	303.81	1091.94	463.03	31.86	27.07	24.02	29.69	37.09	
27	34.04	17.49	36.22	703.78	786.29	1270.13	309.00	26.20	26.64	24.89	29.69	32.73	
28	32.30	14.87	37.52	397.29	1119.12	1291.26	226.72	30.56	26.64	25.77	29.69	32.30	
29	34.04	59.27	43.61	209.82	1230.87	1270.13	341.90	34.04	26.20	25.77		31.86	
30	34.91	128.74	267.00	133.08	1082.87	1034.97	494.17	37.52	26.20	26.64		31.43	
31		37.09		170.81	936.55		371.33		26.20	26.64		31.43	
Total	716.21	3393.27	1464.05	6699.64	7167.07	34170.76	24512.08	4431.51	909.77	741.71	931.73	1177.20	86315.00 Tonday
Mean	23.87	109.46	48.80	216.12	231.20	1139.03	790.71	147.72	29.35	23.93	33.28	37.97	236.48 Ton/day
Max	43.18	355.75	267.00	814.79	1230.87	1677.63	1635.38	645.46	36.65	26.64	54.05	118.33	1677.63 Ton/day
Min	12.69	14.87	19.66	25.77	27.07	525.30	226.72	26.20	26.20	22.72	27.07	27.94	12.69 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	15		
R-Square	0.7959		
Remarks	Continued Sediment Station		

$$QS = 0.4622 QW^{1.90910}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.06	37.28	12.22	17.04	27.01	121.00	54.68	77.53	14.99	5.73	1.73	3.74	
2	1.98	25.05	11.52	14.99	27.01	147.50	52.23	54.68	14.99	4.21	1.73	3.74	
3	1.90	21.08	10.81	14.99	23.07	68.59	95.13	49.76	14.99	3.97	1.73	3.82	
4	1.90	19.07	10.81	14.30	21.08	42.31	147.50	44.81	17.04	3.74	1.65	3.82	
5	1.82	19.07	10.10	13.61	23.07	112.44	52.23	42.31	17.04	3.58	1.73	3.74	
6	1.90	28.96	9.39	13.61	32.82	112.44	54.68	39.80	17.04	3.43	1.65	3.66	
7	1.98	23.07	9.39	14.30	44.81	59.55	68.59	57.12	17.04	3.19	1.56	3.66	
8	2.06	21.08	8.67	27.01	42.31	112.44	57.12	68.59	14.99	2.95	1.56	4.13	
9	1.98	25.05	11.52	129.51	34.74	147.50	59.55	44.81	14.99	2.71	1.48	4.21	
10	1.98	23.07	12.22	44.81	28.96	156.42	52.23	34.74	14.99	2.55	1.48	4.59	
11	1.90	19.07	12.22	30.89	27.01	152.52	44.81	32.82	14.99	2.39	1.56	5.35	
12	1.90	14.99	12.22	27.01	28.96	117.01	42.31	30.89	14.30	2.23	1.48	5.73	
13	1.82	14.99	12.22	23.07	27.01	108.42	59.55	27.01	14.99	1.98	1.56	6.47	
14	1.90	14.30	12.92	23.07	42.31	96.29	54.68	27.01	14.30	1.73	1.73	6.47	
15	1.90	13.61	12.92	21.08	129.51	83.43	57.12	25.05	14.30	1.48	2.15	6.47	
16	1.82	13.61	12.92	44.81	59.55	62.58	190.30	25.05	14.30	1.39	2.23	6.10	
17	1.90	13.61	12.22	42.31	44.81	49.76	182.09	25.05	14.30	1.39	2.31	6.10	
18	1.90	13.61	12.22	39.80	39.80	25.05	129.51	23.07	14.30	1.39	2.31	6.10	
19	2.06	12.92	12.22	34.74	32.82	30.89	42.31	21.08	14.30	1.48	2.39	6.47	
20	2.06	12.92	17.04	30.89	30.89	32.82	42.31	21.08	14.30	1.48	2.47	6.47	
21	2.06	12.92	21.08	25.05	28.96	32.82	86.37	21.08	14.30	1.48	3.03	6.84	
22	1.98	12.92	17.04	25.05	27.01	32.82	86.37	21.08	13.61	1.56	3.58	7.21	
23	1.90	12.22	14.99	25.05	23.07	30.89	86.37	21.08	13.61	1.65	3.66	7.94	
24	1.90	12.22	14.30	25.05	25.05	54.68	57.12	21.08	12.92	1.73	3.66	7.94	
25	1.82	11.52	14.30	32.82	37.28	68.59	54.68	19.07	12.22	1.73	3.66	7.94	
26	1.73	11.52	14.30	44.81	34.74	137.97	49.76	17.04	11.52	1.82	3.74	7.94	
27	2.06	11.52	14.30	34.74	39.80	68.59	44.81	17.04	10.81	1.82	3.74	7.94	
28	2.55	12.22	14.30	30.89	42.31	57.12	39.80	17.04	9.39	1.82	3.74	7.58	
29	2.71	12.92	14.30	28.96	59.55	68.59	37.28	17.04	8.67	1.82		7.58	
30	47.29	12.92	17.04	27.01	57.12	54.68	37.28	17.04	7.94	1.82		7.21	
31		12.22		25.05	77.53		103.82		7.58	1.73		6.84	
Total	104.72	521.53	391.72	946.32	1219.97	2445.71	2222.59	960.85	425.05	71.98	65.30	183.80	9559.54 Tonday
Mean	3.49	16.82	13.06	30.53	39.35	81.52	71.70	32.03	13.71	2.32	2.33	5.93	26.19 Ton/day
Max	47.29	37.28	21.08	129.51	129.51	156.42	190.30	77.53	17.04	5.73	3.74	7.94	190.30 Ton/day
Min	1.73	11.52	8.67	13.61	21.08	25.05	37.28	17.04	7.58	1.39	1.48	3.66	1.39 Ton/day

WATER YEAR : 2021**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	2021					
Number of observation	20					
R-Square	0.7385					
Remarks	Continued Sediment Station					

$$QS = 1.5174 QW^{1.40800}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.65	2.69	2.20	5.51	134.74	156.38	51.37	14.63	3.20	2.08	1.74	1.11	
2	0.65	2.56	2.20	79.93	81.95	118.58	32.95	14.63	3.20	2.08	1.63	1.11	
3	0.65	2.44	2.08	60.48	217.48	103.03	123.14	14.22	3.07	2.08	1.63	1.01	
4	0.83	2.44	2.08	13.41	107.41	71.96	77.91	11.06	3.07	2.08	1.63	1.01	
5	0.74	5.51	2.08	9.21	212.99	132.40	46.11	13.41	3.07	1.96	1.63	1.01	
6	0.74	4.03	2.08	10.69	307.68	81.95	25.41	13.01	2.94	1.96	1.52	1.01	
7	0.83	5.51	2.08	10.69	297.76	64.24	47.85	11.45	2.94	1.96	1.52	1.01	
8	0.83	5.21	2.08	173.84	120.85	278.23	22.56	13.81	2.94	1.96	1.52	1.01	
9	0.83	4.90	2.44	541.60	84.00	123.14	31.40	10.69	2.81	1.96	1.52	0.92	
10	1.31	2.69	5.83	79.93	75.91	212.99	25.41	9.94	2.81	1.96	1.52	0.92	
11	1.52	2.32	7.13	49.60	137.10	139.47	28.36	8.50	2.81	1.96	1.52	0.92	
12	1.52	2.32	7.13	54.96	137.10	96.56	58.62	8.50	2.69	1.96	1.41	0.92	
13	1.41	2.32	6.79	49.60	86.06	73.93	94.43	8.15	2.69	1.85	1.41	0.92	
14	1.52	2.32	6.47	39.37	231.11	51.37	111.84	7.80	2.69	1.85	1.41	0.92	
15	1.41	2.08	14.63	51.37	784.94	41.03	235.71	7.13	2.69	1.85	1.41	0.92	
16	1.41	2.08	11.83	71.96	348.24	31.40	217.48	5.51	2.56	1.85	1.41	0.92	
17	1.31	2.08	8.15	178.08	144.25	25.41	132.40	5.21	2.56	1.85	1.31	0.92	
18	1.96	1.96	5.21	109.61	94.43	13.81	114.07	5.21	2.56	1.85	1.31	0.83	
19	1.96	1.74	5.21	92.32	103.03	14.63	77.91	5.21	2.56	1.85	1.31	0.83	
20	1.85	1.74	9.21	60.48	68.07	12.61	46.11	5.21	2.44	1.85	1.31	0.83	
21	1.52	1.85	6.14	70.01	54.96	71.96	130.06	5.51	2.44	1.85	1.21	0.83	
22	1.31	1.74	5.83	94.43	25.41	62.35	100.86	5.51	2.44	1.85	1.21	0.83	
23	1.41	2.08	5.21	94.43	18.47	96.56	47.85	5.21	2.44	1.85	1.21	0.83	
24	1.41	2.08	12.22	75.91	60.48	39.37	22.56	5.21	2.32	1.74	1.21	0.83	
25	1.41	2.08	7.13	333.88	144.25	68.07	41.03	5.21	2.32	1.74	1.21	0.83	
26	1.41	2.08	7.13	168.80	384.91	292.84	22.56	4.90	2.32	1.74	1.21	0.83	
27	1.41	2.20	6.47	130.06	263.83	132.40	18.47	4.61	2.32	1.74	1.11	0.74	
28	1.96	2.20	6.14	134.74	998.94	132.40	14.63	4.03	2.20	1.74	1.11	0.74	
29	2.08	2.20	3.75	130.06	541.60	88.13	15.88	3.75	2.20	1.74		0.74	
30	2.08	2.20	3.75	77.91	116.32	77.91	13.81	3.47	2.20	1.74		0.74	
31		2.20		259.08	139.47		22.56		2.08	1.74		0.74	
Total	39.93	81.85	170.68	3311.95	6523.74	2905.11	2051.31	240.69	81.58	58.27	39.15	27.73	15531.99 Tonday
Mean	1.33	2.64	5.69	106.84	210.44	96.84	66.17	8.02	2.63	1.88	1.40	0.89	42.55 Ton/day
Max	2.08	5.51	14.63	541.60	998.94	292.84	235.71	14.63	3.20	2.08	1.74	1.11	998.94 Ton/day
Min	0.65	1.74	2.08	5.51	18.47	12.61	13.81	3.47	2.08	1.74	1.11	0.74	0.65 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	17		
R-Square	0.8448		
Remarks	Continued Sediment Station		

$$QS = 0.4599 QW^{2.23110}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	2.67	0.03	0.12	3.09	66.60	7.77	11.01	0.12	0.05	0.01	0.02	
2	0.00	0.63	0.03	0.10	1.31	35.33	6.38	6.38	0.11	0.05	0.01	0.02	
3	0.00	0.46	0.02	0.09	0.46	15.94	152.95	4.05	0.11	0.05	0.02	0.02	
4	0.00	0.35	0.02	0.08	0.38	11.91	66.60	3.09	0.11	0.04	0.01	0.02	
5	0.00	0.35	0.02	0.07	0.38	35.33	23.22	1.93	0.11	0.04	0.02	0.01	
6	0.00	0.42	0.02	0.07	6.38	19.40	23.22	3.09	0.11	0.04	0.02	0.02	
7	0.00	0.31	0.02	0.09	6.38	14.87	14.87	5.74	0.11	0.04	0.01	0.02	
8	0.00	0.25	0.02	2.67	2.67	58.87	15.94	3.09	0.11	0.04	0.01	0.04	
9	0.00	0.63	0.04	13.85	1.31	58.87	13.85	1.93	0.10	0.04	0.01	0.02	
10	0.00	0.28	0.03	1.31	0.46	193.48	9.31	1.31	0.10	0.04	0.02	0.02	
11	0.00	0.19	0.03	0.63	0.46	50.29	5.14	0.83	0.10	0.03	0.02	0.02	
12	0.00	0.17	0.03	0.38	0.46	21.91	9.31	0.46	0.10	0.03	0.02	0.02	
13	0.00	0.15	0.02	0.31	0.42	11.91	14.87	0.42	0.10	0.03	0.02	0.02	
14	0.00	0.14	0.02	0.31	18.20	7.05	10.14	0.42	0.09	0.03	0.02	0.02	
15	0.00	0.11	0.02	1.05	19.40	4.57	42.45	0.35	0.08	0.02	0.02	0.01	
16	0.00	0.10	0.02	8.52	8.52	3.09	138.20	0.35	0.09	0.03	0.01	0.01	
17	0.00	0.10	0.02	5.14	4.05	2.28	37.62	0.31	0.08	0.02	0.01	0.01	
18	0.00	0.10	0.02	4.05	2.28	1.60	24.59	0.28	0.08	0.02	0.01	0.01	
19	0.00	0.10	0.01	1.60	1.31	1.93	14.87	0.28	0.09	0.02	0.01	0.02	
20	0.00	0.08	0.83	0.63	1.05	1.31	9.31	0.25	0.08	0.02	0.02	0.02	
21	0.00	0.07	0.14	1.05	1.31	1.31	6.38	0.25	0.07	0.02	0.02	0.01	
22	0.00	0.07	0.11	0.63	0.63	0.83	7.05	0.22	0.07	0.02	0.03	0.01	
23	0.00	0.07	0.10	0.46	0.42	0.63	7.77	0.19	0.07	0.02	0.02	0.01	
24	0.01	0.07	0.12	1.05	0.42	1.60	5.14	0.17	0.07	0.02	0.03	0.01	
25	0.01	0.07	0.12	12.86	0.46	19.40	3.55	0.17	0.07	0.02	0.02	0.01	
26	0.02	0.06	0.10	6.38	2.67	58.87	2.28	0.15	0.07	0.02	0.02	0.01	
27	0.02	0.05	0.09	2.67	4.05	23.22	1.60	0.15	0.07	0.02	0.02	0.01	
28	0.05	0.06	0.09	1.93	6.38	12.86	1.31	0.15	0.06	0.02	0.02	0.01	
29	17.05	0.05	0.09	1.31	17.05	8.52	0.83	0.14	0.06	0.02		0.01	
30	10.14	0.04	0.11	0.83	20.63	7.05	6.38	0.13	0.05	0.02		0.01	
31		0.04		1.60	35.33		18.20		0.05	0.01		0.01	
Total	27.30	8.24	2.34	71.84	168.32	750.83	701.10	47.29	2.69	0.89	0.48	0.48	1781.80 Tonday
Mean	0.91	0.27	0.08	2.32	5.43	25.03	22.62	1.58	0.09	0.03	0.02	0.02	4.88 Ton/day
Max	17.05	2.67	0.83	13.85	35.33	193.48	152.95	11.01	0.12	0.05	0.03	0.04	193.48 Ton/day
Min	0.00	0.04	0.01	0.07	0.38	0.63	0.83	0.13	0.05	0.01	0.01	0.01	0.00 Ton/day

WATER YEAR : 2021

EAST COAST - GULF BASIN

Klong 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	2021		
Number of observation	37		
R-Square	0.8443		
Remarks	Continued Sediment Station		

$$QS = 0.9812 QW^{1.43330}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.10	100.28	54.50	309.18	766.58	503.88	1021.98	294.88	15.30	2.28	1.75	1.59	
2	2.19	78.32	31.48	168.36	677.73	660.06	791.95	165.04	24.71	2.84	1.67	1.59	
3	2.19	59.30	35.57	117.78	618.23	548.96	594.21	137.67	14.66	3.24	1.67	1.84	
4	2.28	41.97	31.48	113.32	503.88	462.70	653.03	123.80	11.59	2.55	1.59	4.29	
5	2.46	32.49	64.21	122.29	401.66	490.04	529.10	106.02	11.59	2.46	1.67	3.44	
6	2.84	43.07	438.51	194.56	465.41	649.52	681.28	101.70	11.59	2.28	1.51	2.65	
7	5.43	47.54	709.89	202.96	386.17	459.99	753.98	110.38	11.59	2.28	1.35	22.87	
8	5.91	31.48	1254.21	745.62	326.11	534.75	487.28	100.28	11.00	2.28	1.27	9.29	
9	13.40	30.48	1100.91	1124.47	285.47	1186.40	1017.39	94.63	7.15	2.28	1.20	5.91	
10	56.88	33.51	1945.96	1489.31	363.29	2511.14	3954.57	62.97	7.67	2.19	1.43	4.07	
11	24.71	36.61	3859.91	1767.28	540.42	3235.02	4959.39	294.88	8.20	2.19	1.84	5.43	
12	27.55	34.53	2445.15	1426.06	614.78	1733.53	6696.06	165.04	8.20	1.92	3.44	6.65	
13	37.67	30.48	1862.85	1288.54	691.96	962.83	6775.19	137.67	7.67	1.75	21.96	6.40	
14	23.78	55.69	1293.46	1726.80	1143.42	839.12	6082.11	123.80	6.90	1.67	49.83	6.40	
15	15.30	96.04	632.08	1249.33	1780.84	873.94	5615.52	106.02	6.15	1.59	49.83	5.20	
16	13.40	215.76	632.08	918.06	1471.98	813.29	5812.44	101.70	6.15	1.59	11.00	4.07	
17	17.27	202.96	913.62	717.09	691.96	663.58	5137.92	110.38	6.15	1.67	6.40	80.97	
18	9.29	131.45	852.13	512.25	512.25	775.01	3235.02	100.28	5.91	3.86	6.65	38.73	
19	9.85	147.16	551.82	498.33	449.21	809.01	1220.16	94.63	5.43	4.74	6.15	19.31	
20	22.87	106.02	577.72	509.45	365.81	935.89	737.29	62.97	5.43	4.51	4.29	21.07	
21	19.31	58.09	476.31	495.56	333.45	980.91	587.41	38.73	4.96	4.74	4.07	14.66	
22	10.42	123.80	487.28	422.60	509.45	1535.82	900.33	36.61	4.96	1.67	12.18	25.64	
23	7.67	104.57	523.46	699.12	614.78	1760.52	699.12	32.49	4.96	1.84	6.90	65.46	
24	17.27	70.52	594.21	653.03	601.05	985.45	495.56	15.95	5.43	2.01	4.74	97.44	
25	46.41	73.09	404.26	2586.02	1283.61	2094.01	401.66	25.64	5.67	1.75	3.24	39.80	
26	15.30	101.70	340.84	1283.61	1699.96	2594.38	292.52	27.55	6.40	1.59	2.55	18.63	
27	18.63	235.38	302.00	1234.72	1699.96	2058.46	215.76	23.78	5.91	1.59	2.10	12.18	
28	73.09	383.61	248.75	1225.01	1679.92	1693.28	194.56	20.19	5.43	2.10	1.84	10.42	
29	126.84	178.43	182.17	843.45	900.33	1630.13	215.76	19.31	4.74	2.01		13.40	
30	383.61	110.38	280.80	1176.81	639.04	926.96	207.20	17.27	4.29	1.67		16.61	
31		75.69		1138.67	670.64		175.06		3.65	1.75		17.95	
Total	1015.92	3070.40	23127.62	26959.64	23689.35	35908.58	61140.81	2852.26	249.44	72.89	214.12	583.96	178884.99 Tonday
Mean	33.86	99.05	770.92	869.67	764.17	1196.95	1972.28	95.08	8.05	2.35	7.65	18.84	490.10 Ton/day
Max	383.61	383.61	3859.91	2586.02	1780.84	3235.02	6775.19	294.88	24.71	4.74	49.83	97.44	6775.19 Ton/day
Min	2.10	30.48	31.48	113.32	285.47	459.99	175.06	15.95	3.65	1.59	1.20	1.59	1.20 Ton/day

WATER YEAR : 2021

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
Drainge 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	2021		
Number of observation	29		
R-Square	0.8648		
Remarks	Continued Sediment Station		

$$QS = 0.6426 QW^{1.51060}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1.07	51.45	27.43	19.27	144.78	391.98	588.07	108.37	8.67	1.56	1.83	2.72	
2	1.07	39.20	25.72	19.27	116.15	263.04	535.39	86.14	8.67	1.31	1.83	2.72	
3	1.07	65.71	20.82	16.87	112.23	407.35	407.35	72.32	8.21	1.19	1.69	2.72	
4	0.96	48.91	17.76	24.05	82.61	263.04	504.59	59.33	7.31	0.96	1.69	3.38	
5	1.07	29.17	27.43	65.71	104.54	243.28	438.69	48.91	6.87	0.96	1.69	3.38	
6	2.11	25.72	39.20	43.96	104.54	276.49	1341.43	46.41	6.44	0.74	1.56	3.38	
7	2.41	36.88	46.41	46.41	89.73	256.39	1241.17	56.66	5.62	0.59	1.56	3.72	
8	2.41	29.17	39.20	68.99	75.70	446.64	484.40	51.45	4.83	0.55	1.43	5.62	
9	2.72	25.72	29.17	170.97	65.71	1320.91	1634.16	54.04	4.83	0.42	1.83	5.62	
10	3.04	43.96	59.33	339.79	211.54	1824.66	2212.64	46.41	4.83	0.19	2.72	5.62	
11	2.72	41.56	59.33	930.41	157.69	2002.97	1159.44	41.56	4.45	0.06	2.41	5.62	
12	3.38	41.56	56.66	800.74	556.26	1152.11	1137.48	34.62	4.08	0.00	3.04	6.02	
13	3.72	46.41	65.71	318.20	290.18	504.59	3008.32	27.43	3.72	0.37	3.72	6.02	
14	7.31	41.56	97.04	236.81	199.26	800.74	3120.52	25.72	3.38	0.96	12.68	5.22	
15	9.14	43.96	89.73	175.47	494.46	1341.43	2337.14	25.72	3.04	1.19	10.36	4.08	
16	7.31	46.41	75.70	193.22	494.46	1456.18	2062.15	20.82	2.72	1.07	9.14	3.72	
17	8.67	86.14	59.33	230.40	290.18	857.56	1226.17	20.82	2.72	0.96	9.14	4.45	
18	9.14	59.33	48.91	157.69	224.05	504.59	664.58	20.82	2.11	0.96	7.75	4.83	
19	9.14	56.66	41.56	132.25	175.47	399.64	494.46	24.05	1.83	0.96	6.44	5.22	
20	9.63	48.91	36.88	166.50	153.35	399.64	399.64	20.82	1.83	0.96	5.62	6.87	
21	7.75	48.91	72.32	199.26	140.56	901.03	347.09	19.27	1.56	1.07	6.02	6.87	
22	7.31	36.88	56.66	187.24	116.15	664.58	318.20	17.76	1.56	1.19	6.44	6.02	
23	6.44	30.95	65.71	162.08	116.15	525.05	318.20	16.87	1.69	1.43	5.62	6.02	
24	6.87	25.72	48.91	144.78	116.15	464.49	297.10	6.44	1.69	1.69	5.62	6.87	
25	20.82	22.42	36.88	153.35	116.15	1051.08	205.37	8.21	2.11	1.69	4.45	7.31	
26	11.12	19.27	32.77	170.97	484.40	2430.84	132.25	11.89	2.72	1.56	3.38	6.87	
27	9.63	39.20	29.17	153.35	1461.47	3089.78	112.23	11.89	2.72	1.43	2.72	6.02	
28	10.36	162.08	27.43	136.38	1295.42	2197.43	108.37	11.12	2.72	1.83	2.41	5.22	
29	17.76	56.66	25.72	124.11	422.92	1472.07	97.04	10.36	2.41	1.69		4.45	
30	112.23	41.56	22.42	205.37	339.79	588.07	86.14	9.63	1.83	1.69		6.02	
31		34.62		175.47	446.64		82.61		1.69	1.56		6.87	
Total	298.38	1426.66	1381.31	5969.34	9198.69	28497.65	27102.39	1015.86	118.86	32.79	124.79	159.47	75326.19 Tonday
Mean	9.95	46.02	46.04	192.56	296.73	949.92	874.27	33.86	3.83	1.06	4.46	5.14	206.37 Ton/day
Max	112.23	162.08	97.04	930.41	1461.47	3089.78	3120.52	108.37	8.67	1.83	12.68	7.31	3120.52 Ton/day
Min	0.96	19.27	17.76	16.87	65.71	243.28	82.61	6.44	1.56	0.00	1.43	2.72	0.00 Ton/day

WATER YEAR : 2021**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.		
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	2021		
Number of observation	22		
R-Square	0.8537		
Remarks	Continued Sediment Station		

$$QS = 1.7370 QW^{1.39190}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.20	8.39	6.22	11.55	82.38	117.10	227.55	65.70	11.96	3.34	3.49	3.64	
2	3.49	8.77	5.54	10.73	58.75	107.72	195.78	60.71	11.14	3.34	3.49	3.20	
3	3.49	9.93	3.94	9.93	144.85	388.41	192.13	55.84	10.73	3.49	3.94	3.05	
4	2.91	7.65	3.94	9.54	73.91	117.10	201.29	45.53	10.33	3.34	3.94	4.88	
5	3.20	5.20	5.20	7.65	88.17	117.10	204.98	41.05	9.93	3.34	4.09	4.40	
6	3.49	6.92	9.15	15.87	97.05	80.24	366.41	33.32	9.54	3.34	3.49	8.39	
7	4.09	8.02	36.70	35.00	74.95	80.24	229.46	76.00	9.15	3.49	3.49	3.20	
8	3.94	8.02	30.03	46.44	50.14	233.29	170.65	128.33	9.15	3.34	3.49	7.65	
9	5.20	5.54	83.82	128.33	40.17	447.84	710.08	40.17	8.77	3.34	3.49	4.56	
10	8.02	5.88	254.69	52.02	32.49	690.44	620.42	32.49	8.77	3.49	3.94	4.24	
11	11.55	12.59	126.71	652.28	167.14	219.95	360.97	30.85	8.77	3.34	3.49	5.20	
12	9.93	11.96	91.10	165.40	186.69	72.87	272.59	30.03	8.02	3.34	4.09	5.88	
13	8.02	11.55	129.95	112.38	241.01	42.83	1531.02	26.07	8.02	3.34	6.92	4.24	
14	9.54	8.02	115.52	70.80	155.03	112.38	806.45	20.79	7.28	3.34	8.77	3.94	
15	6.22	8.02	66.71	49.21	410.77	334.63	1735.36	19.35	7.28	3.05	6.57	3.79	
16	4.24	8.02	83.82	60.71	201.29	321.94	897.75	22.26	6.92	3.34	5.88	3.34	
17	5.20	11.96	121.88	45.53	155.03	221.84	396.75	22.26	6.57	3.34	4.56	7.28	
18	7.28	11.96	103.11	66.71	78.11	179.51	374.62	22.26	6.92	3.79	3.79	8.77	
19	4.56	9.15	48.28	73.91	64.69	214.30	317.74	24.53	8.02	3.49	4.40	7.65	
20	6.22	12.59	57.77	117.10	48.28	204.98	250.76	20.79	5.54	3.49	3.94	11.14	
21	5.20	6.57	158.46	272.59	32.49	336.76	229.46	17.23	5.54	3.49	9.15	9.93	
22	6.57	9.93	103.11	92.58	33.32	515.57	210.56	15.87	4.40	3.49	15.87	11.96	
23	7.65	8.77	133.22	95.56	43.72	491.70	186.69	15.19	3.64	3.49	4.56	13.23	
24	7.65	10.73	46.44	81.31	35.84	341.03	143.17	17.23	3.34	3.34	4.24	24.53	
25	9.93	8.39	35.84	146.53	91.10	717.98	97.05	15.87	3.49	3.05	4.56	15.19	
26	8.77	8.02	35.00	68.75	305.23	1850.50	69.77	15.19	3.64	3.49	4.40	11.55	
27	5.20	12.59	27.63	91.10	757.84	769.91	67.73	13.88	3.49	3.94	3.79	9.54	
28	17.93	28.43	26.85	68.75	410.77	530.64	62.69	13.23	3.34	4.09	3.94	6.22	
29	30.85	41.93	23.01	89.63	163.66	380.12	62.69	13.23	3.34	3.79		7.28	
30	17.23	9.93	14.53	161.92	204.98	260.62	56.80	13.23	3.34	3.49		10.73	
31		8.39		148.22	214.30		55.84		3.49	3.49		11.96	
Total	230.77	333.82	1988.17	3058.03	4744.15	10499.54	11305.21	968.48	213.86	106.86	139.77	240.56	33829.22 Tonday
Mean	7.69	10.77	66.27	98.65	153.04	349.98	364.68	32.28	6.90	3.45	4.99	7.76	92.68 Ton/day
Max	30.85	41.93	254.69	652.28	757.84	1850.50	1735.36	128.33	11.96	4.09	15.87	24.53	1850.50 Ton/day
Min	2.91	5.20	3.94	7.65	32.49	42.83	55.84	13.23	3.34	3.05	3.49	3.05	2.91 Ton/day

WATER YEAR : 2021**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.		
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	2021		
Number of observation	9		
R-Square	0.8063		
Remarks	Continued Sediment Station		

$$QS = 3.0968 QW^{1.46830}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	19.40	13.43	11.63	5.44	15.33	136.94	13.43	12.52	0.00	0.00	0.00	
2	0.00	18.35	9.11	13.43	5.44	14.37	333.65	12.52	12.52	0.00	0.00	0.00	
3	0.00	19.40	6.12	14.37	6.12	11.63	298.01	12.52	12.52	0.00	0.00	0.00	
4	0.00	17.32	6.82	13.43	5.44	13.43	289.34	11.63	12.52	0.00	0.00	0.00	
5	0.00	17.32	9.92	14.37	4.79	24.96	293.67	11.63	12.52	0.00	0.00	0.00	
6	0.00	34.90	12.52	22.68	4.79	38.93	329.11	18.35	12.52	0.00	0.00	0.00	
7	0.00	38.93	9.92	32.30	4.17	63.05	298.01	26.14	12.52	0.00	0.00	0.00	
8	0.00	20.47	8.32	34.90	4.17	53.51	285.04	23.81	11.63	0.00	0.00	0.00	
9	0.00	19.40	6.82	40.31	4.17	108.68	215.64	21.56	11.63	0.00	0.00	0.00	
10	0.00	15.33	8.32	59.81	3.59	82.00	189.19	14.37	11.63	0.00	0.00	0.00	
11	0.00	15.33	10.76	43.12	3.59	26.14	127.26	19.40	11.63	0.00	0.00	0.00	
12	0.00	13.43	11.63	23.81	4.79	24.96	178.24	17.32	11.63	0.00	0.00	0.00	
13	0.00	9.11	8.32	24.96	4.79	21.56	204.15	15.33	11.63	0.00	0.00	0.00	
14	0.00	6.82	15.33	23.81	4.79	23.81	50.46	15.33	11.63	0.00	0.00	0.00	
15	0.00	6.12	13.43	36.22	6.82	17.32	46.00	15.33	11.63	0.00	0.00	0.00	
16	0.00	6.12	6.82	24.96	24.96	26.14	41.71	14.37	14.37	0.00	0.00	0.00	
17	0.00	7.56	11.63	14.37	20.47	22.68	26.14	14.37	0.00	0.00	0.00	0.00	
18	0.00	16.32	24.96	13.43	16.32	19.40	26.14	14.37	0.00	0.00	0.00	0.00	
19	0.00	15.33	21.56	9.11	15.33	15.33	24.96	14.37	0.00	0.00	0.00	0.00	
20	0.00	16.32	17.32	6.82	16.32	15.33	24.96	13.43	0.00	0.00	0.00	0.00	
21	0.00	16.32	15.33	6.12	19.40	20.47	58.21	13.43	0.00	0.00	0.00	0.00	
22	0.00	20.47	15.33	5.44	19.40	69.73	643.16	13.43	0.00	0.00	0.00	0.00	
23	0.00	19.40	15.33	4.79	23.81	38.93	164.03	13.43	0.00	0.00	0.00	0.00	
24	0.00	15.33	11.63	4.17	23.81	38.93	140.23	13.43	0.00	0.00	0.00	0.00	
25	0.00	12.52	9.11	6.82	44.55	83.82	46.00	13.43	0.00	0.00	0.00	0.00	
26	0.00	9.92	6.82	6.12	80.21	302.39	26.14	13.43	0.00	0.00	0.00	0.00	
27	0.00	11.63	6.12	5.44	80.21	239.32	23.81	13.43	0.00	0.00	0.00	0.00	
28	0.00	23.81	6.12	4.79	306.78	53.51	18.35	13.43	0.00	0.00	0.00	0.00	
29	0.00	21.56	6.12	4.79	211.78	53.51	15.33	12.52	0.00	0.00		0.00	
30	22.68	22.68	12.52	6.82	14.37	51.97	15.33	12.52	0.00	0.00		0.00	
31		18.35		6.12	14.37		14.37		0.00	0.00		0.00	
Total	22.68	525.27	337.49	539.26	1004.99	1591.14	4583.58	452.06	195.05	0.00	0.00	0.00	9251.52 Tonday
Mean	0.76	16.94	11.25	17.40	32.42	53.04	147.86	15.07	6.29	0.00	0.00	0.00	25.35 Ton/day
Max	22.68	38.93	24.96	59.81	306.78	302.39	643.16	26.14	14.37	0.00	0.00	0.00	643.16 Ton/day
Min	0.00	6.12	6.12	4.17	3.59	11.63	14.37	11.63	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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	2021					
Number of observation	23					
R-Square	0.8237					
Remarks	Continued Sediment Station					

$$QS = 2.7724 QW^{1.47630}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.41	7.43	7.43	7.71	36.67	50.07	151.05	73.40	8.88	4.32	5.04	5.55	
2	2.98	8.29	7.71	8.29	32.52	61.93	130.71	33.88	8.29	4.56	3.85	5.04	
3	2.98	6.88	7.71	6.60	111.34	157.03	241.28	22.26	8.29	5.04	5.29	6.33	
4	3.19	6.33	7.15	6.88	46.98	42.46	151.05	20.67	7.71	5.04	5.55	6.33	
5	3.41	6.07	7.15	6.07	43.95	36.67	204.22	19.90	7.71	4.56	5.55	6.33	
6	3.63	6.88	20.67	8.88	39.53	26.38	151.05	18.37	7.43	4.32	5.29	6.60	
7	3.63	7.15	56.44	10.72	27.23	27.23	142.22	18.37	7.71	5.04	5.55	5.29	
8	4.08	6.88	22.26	18.37	23.07	200.96	119.52	32.52	7.71	5.04	5.29	5.55	
9	4.56	6.33	15.44	17.62	19.90	116.77	475.14	19.90	7.43	5.04	5.29	6.07	
10	7.43	6.60	191.25	33.88	19.90	347.99	251.72	13.35	7.43	5.55	5.81	4.80	
11	6.07	6.33	51.64	351.89	73.40	125.07	241.28	16.88	7.15	5.04	6.33	5.81	
12	5.29	2.77	127.88	43.95	39.53	71.06	251.72	16.16	7.15	5.04	7.43	6.07	
13	6.88	5.04	116.77	48.52	75.77	64.18	416.14	16.16	7.15	4.80	17.62	5.81	
14	7.71	7.15	56.44	28.09	39.53	71.06	214.13	16.16	7.15	4.08	10.10	6.33	
15	5.29	9.48	31.17	19.90	197.70	139.31	913.25	14.73	6.88	3.85	8.88	6.33	
16	4.32	11.36	56.44	19.90	68.74	71.06	258.77	14.04	6.60	4.08	8.29	6.88	
17	3.63	18.37	35.27	19.90	33.88	58.07	210.81	14.04	6.60	4.08	7.43	9.48	
18	4.08	15.44	21.46	25.54	32.52	50.07	262.31	14.04	6.33	4.08	7.43	8.88	
19	5.55	19.90	17.62	27.23	25.54	93.00	224.19	14.04	6.33	3.85	7.15	7.43	
20	6.88	16.16	16.88	125.07	22.26	87.96	204.22	12.68	6.07	3.63	6.88	11.36	
21	6.60	8.88	20.67	114.04	20.67	151.05	163.09	12.01	5.55	4.56	8.29	8.29	
22	7.15	15.44	19.90	31.17	38.09	336.38	181.71	11.36	5.29	4.32	8.88	7.71	
23	7.71	9.48	19.13	32.52	25.54	367.63	125.07	11.36	5.29	4.32	7.43	9.48	
24	7.71	8.88	14.73	78.16	20.67	210.81	75.77	10.72	4.56	5.55	6.88	14.04	
25	8.29	7.71	13.35	68.74	136.42	584.25	33.88	10.10	5.81	10.10	5.04	10.10	
26	8.29	7.43	13.35	40.99	85.48	702.82	27.23	10.10	4.56	5.04	5.81	8.88	
27	16.16	24.71	12.68	40.99	255.24	298.60	25.54	9.48	4.32	5.04	5.81	7.43	
28	32.52	20.67	10.72	29.84	93.00	217.47	24.71	9.48	4.56	7.15	7.15	6.88	
29	22.26	12.68	9.48	71.06	39.53	172.32	23.88	9.48	4.32	5.55		7.71	
30	16.16	9.48	9.48	114.04	133.55	151.05	22.26	8.88	4.80	5.55		7.43	
31		8.29		75.77	145.14		33.88		4.56	5.04		6.33	
Total	227.85	314.49	1018.27	1532.33	2003.29	5090.71	5951.80	524.52	199.62	153.26	195.34	226.55	17438.03 Tonday
Mean	7.59	10.14	33.94	49.43	64.62	169.69	191.99	17.48	6.44	4.94	6.98	7.31	47.78 Ton/day
Max	32.52	24.71	191.25	351.89	255.24	702.82	913.25	73.40	8.88	10.10	17.62	14.04	913.25 Ton/day
Min	2.98	2.77	7.15	6.07	19.90	26.38	22.26	8.88	4.32	3.63	3.85	4.80	2.77 Ton/day

WATER YEAR : 2021**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.				
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	2021					
Number of observation	28					
R-Square	0.8165					
Remarks	Continued Sediment Station					

$$QS = 0.0638 QW^{2.29080}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	2.21	29.66	106.87	169.52	671.71	123.35	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.92	17.86	99.82	162.16	578.46	31.07	0.00	0.00	0.00	0.00	
3	0.00	0.00	2.21	13.63	104.02	307.90	302.70	26.06	0.00	0.00	0.00	0.00	
4	0.00	0.00	9.54	10.55	66.35	175.17	318.43	21.94	0.00	0.00	0.00	0.00	
5	0.00	0.00	25.63	10.04	51.01	136.17	228.50	20.03	0.00	0.00	0.00	0.00	
6	0.00	0.00	141.16	14.55	47.30	219.77	348.44	18.21	0.00	0.00	0.00	0.00	
7	0.00	0.00	68.57	21.94	37.63	108.32	573.51	19.65	0.00	0.00	0.00	0.00	
8	0.00	0.00	94.38	87.81	31.07	136.17	169.52	18.21	0.00	0.00	0.00	0.00	
9	0.00	0.00	62.04	295.01	27.38	1103.77	704.54	16.83	0.00	0.00	0.00	0.00	
10	0.00	0.00	1314.05	410.00	32.03	1924.68	4247.40	9.79	0.00	0.00	0.00	0.00	
11	0.00	0.00	2842.71	972.73	51.64	1757.96	4624.24	9.30	0.00	0.00	0.00	0.00	
12	0.00	0.00	863.34	688.01	165.82	645.02	6822.12	9.54	0.00	0.00	0.00	0.00	
13	0.00	0.00	1061.38	907.49	211.24	391.84	6585.28	11.08	0.00	0.00	0.00	0.00	
14	0.00	0.00	385.88	440.24	331.89	337.35	4509.77	10.82	0.00	0.00	0.00	0.00	
15	0.00	0.00	149.71	177.07	1040.53	497.53	3626.47	10.04	0.00	0.00	0.00	0.00	
16	0.00	0.00	182.85	270.15	863.34	525.31	4977.40	9.30	0.00	0.00	0.00	0.00	
17	0.00	0.00	403.89	244.23	237.42	368.34	2722.46	9.30	0.00	0.00	0.00	0.00	
18	0.00	0.00	497.53	147.98	144.55	894.75	1089.53	9.06	0.00	0.00	0.00	0.00	
19	0.00	0.00	156.75	146.26	87.81	588.43	568.58	8.82	0.00	0.00	0.00	0.00	
20	0.00	10.04	217.62	167.66	56.87	671.71	354.06	9.06	0.00	0.00	0.00	0.00	
21	0.00	7.69	105.44	156.75	77.85	1588.71	323.78	8.82	0.00	0.00	0.00	0.00	
22	0.00	14.55	81.51	94.38	287.42	1804.73	838.66	8.59	0.00	0.00	0.00	0.00	
23	0.00	9.54	71.97	321.10	431.78	1274.98	377.05	0.00	0.00	0.00	0.00	0.00	
24	0.00	6.85	49.14	211.24	139.49	660.96	153.21	0.00	0.00	0.00	0.00	0.00	
25	0.00	5.87	33.02	1282.74	337.35	1816.53	98.45	0.00	0.00	0.00	0.00	0.00	
26	0.00	16.16	39.80	502.10	1040.53	2981.51	70.83	0.00	0.00	0.00	0.00	0.00	
27	0.00	85.26	27.38	618.93	1244.20	2476.59	56.21	0.00	0.00	0.00	0.00	0.00	
28	0.00	106.87	20.40	457.45	1198.83	1251.86	49.76	0.00	0.00	0.00	0.00	0.00	
29	0.00	36.58	18.21	224.11	497.53	755.46	48.52	0.00	0.00	0.00		0.00	
30	0.00	14.87	44.33	323.78	321.10	583.43	42.03	0.00	0.00	0.00		0.00	
31		7.48		177.07	228.50		43.75		0.00	0.00		0.00	
Total	0.00	321.76	8973.57	9442.52	9599.17	26316.63	46125.37	418.87	0.00	0.00	0.00	0.00	101197.89 Tonday
Mean	0.00	10.38	299.12	304.60	309.65	877.22	1487.92	13.96	0.00	0.00	0.00	0.00	277.25 Ton/day
Max	0.00	106.87	2842.71	1282.74	1244.20	2981.51	6822.12	123.35	0.00	0.00	0.00	0.00	6822.12 Ton/day
Min	0.00	0.00	0.92	10.04	27.38	108.32	42.03	0.00	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	35		
R-Square	0.9283		
Remarks	Continued Sediment Station		

$$QS = 0.4823 QW^{2.23300}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.08	4.32	2.72	5.12	51.52	161.20	70.14	15.28	2.27	0.99	0.57	0.53	
2	0.08	2.95	2.07	4.47	45.35	86.20	65.18	12.53	2.17	0.91	0.57	0.57	
3	0.06	2.27	1.86	4.00	39.60	55.88	104.12	10.66	2.07	0.85	0.53	0.68	
4	0.14	1.77	1.77	3.73	29.39	41.47	75.29	8.96	1.97	0.85	0.53	1.12	
5	0.57	1.52	2.07	3.60	25.39	91.97	55.88	8.42	1.97	0.85	0.48	0.74	
6	2.61	1.86	3.60	3.87	21.70	58.13	47.35	9.51	1.97	0.74	0.44	4.47	
7	2.17	1.60	4.77	10.07	19.15	75.29	32.61	6.94	1.86	0.79	0.44	3.34	
8	1.12	1.26	6.03	23.51	16.02	141.88	24.44	7.91	1.77	0.79	0.44	1.68	
9	2.83	1.26	6.94	130.94	14.56	113.78	396.43	6.03	1.77	0.74	0.48	1.19	
10	2.83	1.86	190.54	181.88	45.35	387.72	145.63	5.44	1.68	0.74	0.57	1.34	
11	1.60	1.77	53.67	242.19	113.78	203.95	353.94	5.12	1.60	0.68	0.85	1.34	
12	2.72	1.68	169.30	248.92	55.88	120.48	194.96	5.12	1.68	0.74	4.00	1.60	
13	3.34	2.95	104.12	298.89	86.20	134.53	169.30	4.77	1.52	0.68	3.34	1.52	
14	1.86	7.41	30.98	117.11	70.14	104.12	107.29	4.62	1.60	0.63	3.34	1.26	
15	1.44	7.41	20.83	75.29	141.88	107.29	1936.54	2.95	1.52	0.63	2.61	1.12	
16	1.12	4.00	43.38	169.30	65.18	94.93	345.76	4.18	1.44	0.63	1.44	3.19	
17	0.91	3.34	60.43	72.69	45.35	80.64	199.43	3.87	1.34	0.63	1.97	7.41	
18	0.85	3.19	58.13	80.64	37.79	60.43	149.44	3.87	1.34	0.57	2.07	3.73	
19	1.12	3.47	36.01	62.78	27.85	177.63	113.78	3.73	1.26	0.57	1.34	2.47	
20	1.26	2.17	21.70	83.40	25.39	134.53	89.06	3.73	1.06	0.57	1.06	2.61	
21	0.99	2.07	62.78	70.14	62.78	177.63	120.48	3.47	1.19	0.63	1.44	2.17	
22	0.85	2.95	41.47	83.40	72.69	298.89	72.69	3.34	1.19	0.79	1.26	4.18	
23	0.74	2.47	32.61	117.11	53.67	210.07	51.52	3.07	1.19	0.74	0.99	5.28	
24	0.91	2.07	19.15	94.93	43.38	127.40	41.47	3.07	1.26	0.74	0.85	4.62	
25	1.34	4.47	13.87	141.88	169.30	450.95	32.61	2.83	1.34	0.57	0.74	2.83	
26	0.99	5.44	8.96	77.94	177.63	242.19	26.36	2.61	1.26	0.53	0.63	2.07	
27	2.95	23.51	6.48	117.11	199.43	161.20	23.51	2.47	1.19	0.57	0.57	1.68	
28	2.37	10.66	5.44	70.14	141.88	123.92	30.98	2.37	1.12	1.19	0.57	1.86	
29	14.56	4.47	4.92	104.12	89.06	89.06	21.70	2.37	1.06	0.79		1.86	
30	9.51	3.34	7.91	101.00	67.63	91.97	18.34	2.37	0.99	0.74		2.95	
31		3.34		65.18	58.13		19.15		0.99	0.63		2.83	
Total	63.92	122.85	1024.51	2865.35	2113.05	4405.33	5135.38	161.61	46.64	22.50	34.12	74.24	16069.50 Tonday
Mean	2.13	3.96	34.15	92.43	68.16	146.84	165.66	5.39	1.50	0.73	1.22	2.39	44.03 Ton/day
Max	14.56	23.51	190.54	298.89	199.43	450.95	1936.54	15.28	2.27	1.19	4.00	7.41	1936.54 Ton/day
Min	0.06	1.26	1.77	3.60	14.56	41.47	18.34	2.37	0.99	0.53	0.44	0.53	0.06 Ton/day

WATER YEAR : 2021

EAST COAST - GULF BASIN

Khlong Wang Suan Luang at Ban Pra Gad , Chanthaburi (Z.63)

Lat 12 - 56 - 47 N Long 101 - 52 - 30 E

Location : on right bank at the bridge on highway.

	Ban Pra Gad	Amphoe Kaeng Hang Maeo	Changwat Chanthaburi
Drainge Area	1,125 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	2021		
Number of observation	22		
R-Square	0.9263		
Remarks	Continued Sediment Station		

$$QS = 0.3614 QW^{1.78900}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	71.42	337.62	86.72	136.70	103.31	256.67	687.84	75.46	34.58	28.99	41.63		
2	71.42	164.42	72.76	74.10	78.21	245.08	538.63	72.76	33.62	47.02	40.59		
3	71.42	151.20	66.18	56.24	83.84	239.38	645.08	66.18	32.67	48.14	40.59		
4	72.76	136.70	62.37	44.83	72.76	126.25	593.33	59.89	44.83	49.26	39.56		
5	71.42	133.18	62.37	43.75	83.84	253.75	190.75	57.45	49.26	49.26	39.56		
6	45.92	211.77	108.05	175.63	83.84	209.09	1890.91	75.46	49.26	49.26	38.54		
7	35.55	305.33	112.89	233.74	67.48	311.67	888.99	88.17	39.56	49.26	38.54		
8	35.55	214.46	74.10	247.96	52.70	919.57	299.04	63.63	33.62	49.26	47.02		
9	57.45	242.23	66.18	233.74	34.58	2402.05	253.75	108.05	32.67	50.39	51.54		
10	39.56	268.48	68.78	410.04	14.91	1231.37	239.38	106.46	33.62	50.39	53.87		
11	35.55	173.17	68.78	1057.32	12.51	1505.17	334.33	76.83	33.62	50.39	52.70		
12	35.55	311.67	58.66	1623.28	43.75	524.12	989.51	68.78	44.83	50.39	43.75		
13	37.53	203.77	59.89	318.07	11.15	277.50	418.71	64.90	49.26	50.39	40.59		
14	45.92	151.20	106.46	271.47	3.66	423.08	704.19	61.12	50.39	50.39	39.56		
15	40.59	147.52	97.13	198.52	68.78	1391.02	242.23	57.45	72.76	51.54	40.59		
16	38.54	214.46	75.46	201.14	106.46	1391.02	392.24	53.87	44.83	51.54	40.59		
17	36.53	331.05	85.27	153.06	35.55	655.66	367.90	52.70	41.63	51.54	40.59		
18	36.53	151.20	119.49	104.88	8.26	2265.78	289.72	51.54	41.63	51.54	40.59		
19	38.54	140.27	86.72	82.41	8.26	870.87	214.46	52.70	41.63	51.54	40.59		
20	37.53	149.35	70.09	78.21	175.63	509.78	85.27	51.54	42.69	51.54	38.54		
21	35.55	134.93	98.66	71.42	108.05	1142.89	56.24	49.26	42.69	53.87	41.63		
22	34.58	121.16	83.84	62.37	28.99	788.45	112.89	47.02	42.69	48.14	41.63		
23	34.58	109.66	62.37	63.63	44.83	782.71	45.92	44.83	42.69	45.92	39.56		
24	32.67	94.10	56.24	59.89	17.51	666.31	23.85	44.83	42.69	44.83	49.26		
25	52.70	86.72	51.54	131.43	12.97	1641.80	18.05	42.69	43.75	42.69	52.70		
26	74.10	82.41	48.14	153.06	178.12	4734.86	13.93	40.59	39.56	40.59	52.70		
27	55.05	136.70	44.83	127.97	888.99	3023.37	24.47	40.59	33.62	39.56	52.70		
28	67.48	321.30	43.75	89.64	952.69	3844.70	74.10	35.55	30.81	55.05	52.70		
29	72.76	126.25	43.75	974.71	578.18	1391.02	74.10	35.55	28.11	47.02			
30	209.09	97.13	51.54	431.87	211.77	660.97	66.18	37.53	27.23	44.83			
31		86.72		136.70	134.93		66.18		25.73	42.69			
Total	1623.84	5536.13	2193.01	8047.78	4306.51	34685.96	10842.17	1783.38	1246.53	1487.22	1232.41		72984.94 Tonday
Mean	54.13	178.58	73.10	259.61	138.92	1156.20	349.75	59.45	40.21	47.97	44.01		218.52 Ton/day
Max	209.09	337.62	119.49	1623.28	952.69	4734.86	1890.91	108.05	72.76	55.05	53.87		4734.86 Ton/day
Min	32.67	82.41	43.75	43.75	3.66	126.25	13.93	35.55	25.73	28.99	38.54		3.66 Ton/day

WATER YEAR : 2021**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	2021					
Number of observation	24					
R-Square	0.8450					
Remarks	Continued Sediment Station					

$$QS = 4.1762 QW^{1.19920}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	14.97	43.81	35.09	251.62	422.63	1251.34	1331.83	572.09	918.65	1057.70	792.59	1158.95	
2	9.13	35.09	46.04	236.86	346.23	792.59	1308.38	478.20	908.85	1067.76	784.21	1128.41	
3	3.88	59.78	35.09	256.58	403.30	1426.32	1017.64	435.60	775.86	1057.70	759.19	1148.75	
4	2.96	37.24	17.61	321.34	358.78	1128.41	1220.41	556.25	612.00	1047.66	742.58	1210.13	
5	2.91	30.86	13.26	422.63	327.54	784.21	918.65	580.03	572.09	1047.66	717.78	1273.33	
6	2.96	41.60	103.16	660.47	396.88	800.97	2114.97	644.25	603.98	1027.63	701.33	1343.58	
7	6.79	55.14	494.76	2058.73	352.50	742.58	2489.29	684.94	775.86	1007.67	660.47	1367.14	
8	14.97	59.78	390.49	2356.71	266.54	1007.67	1414.45	660.47	889.29	997.71	620.04	1343.58	
9	48.29	55.14	59.78	2489.29	256.58	2473.38	2016.72	556.25	1017.64	987.77	580.03	1402.60	
10	129.25	48.29	221.27	2385.43	580.03	3675.88	4707.79	509.19	1108.13	977.85	572.09	1414.45	
11	241.76	64.49	896.61	3222.05	987.77	4400.50	3927.49	485.92	1158.95	958.05	595.98	1308.38	
12	331.67	66.86	823.81	2892.52	1850.15	3255.32	3540.39	516.98	1098.02	928.47	660.47	1220.41	
13	48.29	59.78	494.76	1726.82	1251.34	1618.41	6211.15	767.51	1057.70	899.06	734.30	1148.75	
14	156.26	52.84	241.76	1169.15	1007.67	1686.03	6422.38	734.30	1067.76	879.53	1189.61	1077.83	
15	303.91	50.56	147.16	767.51	1308.38	2428.62	5709.08	701.33	1047.66	860.08	1509.87	997.71	
16	207.79	57.45	111.74	580.03	1919.27	2859.90	5371.78	693.12	889.29	834.66	1570.02	918.65	
17	255.59	90.49	103.16	485.92	1128.41	2157.31	3890.04	948.17	958.05	809.37	1521.86	1017.64	
18	269.54	116.08	717.78	435.60	742.58	1355.35	2428.62	1241.02	977.85	792.59	1414.45	1189.61	
19	174.71	86.34	709.54	429.11	588.00	1047.66	1645.41	693.12	948.17	775.86	1308.38	1331.83	
20	184.06	103.16	660.47	403.30	485.92	1067.76	1220.41	709.54	889.29	750.87	1210.13	1545.91	
21	203.00	107.44	595.98	377.75	478.20	1808.88	1108.13	809.37	938.31	734.30	1067.76	1686.03	
22	203.00	74.07	485.92	377.75	377.75	2072.77	1108.13	899.06	987.77	742.58	1179.38	1533.88	
23	198.24	37.24	455.18	442.11	390.49	2143.18	958.05	792.59	1047.66	775.86	1273.33	1343.58	
24	285.63	17.61	429.11	524.80	352.50	1754.11	860.08	750.87	1098.02	800.97	1037.64	1118.26	
25	255.59	17.61	409.72	556.25	580.03	2002.75	734.30	612.00	1148.75	809.37	1017.64	1169.15	
26	248.66	25.90	409.72	660.47	1863.94	4688.48	652.35	726.03	1158.95	809.37	1087.91	1087.91	
27	234.90	41.60	455.18	548.36	3188.83	5490.44	612.00	1037.64	1087.91	792.59	1138.58	987.77	
28	207.79	331.67	333.75	429.11	3946.24	4765.78	580.03	1230.71	1128.41	792.59	1169.15	899.06	
29	124.83	170.06	321.34	409.72	2313.73	3761.00	580.03	1138.58	1179.38	800.97		851.60	
30	548.36	74.07	290.68	652.35	1261.68	2143.18	556.25	1017.64	1199.87	792.59		851.60	
31		26.85		572.09	1378.94		501.41		1148.75	792.59		826.22	
Total	4919.69	2138.90	10509.92	29102.43	31112.83	66590.78	67157.64	22182.77	30398.87	27409.43	27616.77	36902.70	356042.73 Tonday
Mean	163.99	69.00	350.33	938.79	1003.64	2219.69	2166.38	739.43	980.61	884.18	986.31	1190.41	975.46 Ton/day
Max	548.36	331.67	896.61	3222.05	3946.24	5490.44	6422.38	1241.02	1199.87	1067.76	1570.02	1686.03	6422.38 Ton/day
Min	2.91	17.61	13.26	236.86	256.58	742.58	501.41	435.60	572.09	734.30	572.09	826.22	2.91 Ton/day

WATER YEAR : 2021

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	2021				
Number of observation	22				
R-Square	0.8208				
Remarks	Continued Sediment Station				

$$QS = 2.0429 QW^{1.02970}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	109.70	89.93	19.63	33.89	33.21	42.82	231.10	229.41	127.75	38.69	52.03	70.95	
2	109.70	67.80	33.89	35.26	35.95	34.58	231.10	231.10	126.56	39.38	47.42	70.95	
3	110.79	70.95	37.32	35.95	35.26	29.80	231.10	229.41	126.56	37.32	69.90	79.35	
4	114.09	47.42	46.50	41.90	35.26	29.80	229.41	229.41	125.38	35.26	61.29	89.93	
5	115.20	62.22	43.74	35.95	35.26	29.11	229.41	215.92	125.38	32.53	82.51	91.01	
6	117.40	62.22	43.74	35.95	35.26	38.69	188.07	201.02	125.38	31.84	84.61	92.12	
7	117.40	66.87	36.63	35.95	35.26	38.69	226.04	201.02	125.38	28.43	84.61	92.12	
8	120.71	67.80	33.21	35.95	40.99	31.16	226.04	202.46	92.12	31.84	84.61	92.12	
9	116.31	62.22	33.21	37.32	43.74	21.31	227.72	107.48	35.26	31.84	85.67	81.45	
10	115.20	56.66	25.26	33.89	47.42	21.31	224.35	22.44	32.53	31.84	85.67	81.45	
11	116.31	55.73	24.70	35.26	50.19	24.13	224.35	15.71	33.21	33.21	85.67	82.51	
12	115.20	55.73	23.57	34.58	49.27	35.26	224.35	12.93	31.84	32.53	86.72	82.51	
13	117.40	55.73	25.26	34.58	40.99	31.16	222.66	19.63	33.21	29.11	86.72	83.56	
14	116.31	52.96	23.00	34.58	84.61	31.16	222.66	20.19	30.48	32.53	87.78	83.56	
15	116.31	48.34	23.57	31.84	86.72	29.80	201.02	25.83	32.53	32.53	97.59	88.83	
16	117.40	48.34	23.57	32.53	86.72	29.11	105.29	64.08	31.84	32.53	88.83	94.30	
17	116.31	48.34	23.00	27.07	86.72	26.39	51.11	77.24	31.84	28.43	87.78	94.30	
18	67.80	47.42	23.00	26.39	85.67	40.07	49.27	92.12	31.84	38.69	88.83	95.41	
19	115.20	47.42	23.57	26.39	86.72	51.11	58.51	92.12	31.84	35.26	79.35	95.41	
20	110.79	47.42	21.31	23.00	86.72	97.59	83.56	65.94	31.84	34.58	78.30	95.41	
21	109.70	48.34	22.44	22.44	87.78	209.67	74.09	63.15	32.53	35.26	78.30	96.51	
22	109.70	47.42	21.31	24.70	87.78	241.23	82.51	61.29	31.84	34.58	69.90	96.51	
23	103.10	47.42	21.31	23.00	84.61	247.99	154.44	85.67	31.84	45.58	68.85	96.51	
24	100.89	46.50	21.31	23.00	86.72	246.30	214.24	36.63	30.48	34.58	68.85	87.78	
25	99.80	46.50	23.57	23.00	85.67	244.61	226.04	108.59	31.84	33.89	68.85	88.83	
26	99.80	40.07	23.57	23.00	76.19	244.61	229.41	130.12	31.16	34.58	68.85	89.93	
27	98.70	26.39	24.13	23.00	69.90	236.16	229.41	128.93	31.84	35.26	69.90	94.30	
28	98.70	20.19	24.13	25.83	68.85	237.85	227.72	127.75	31.84	34.58	69.90	98.70	
29	92.12	17.38	24.13	26.39	60.37	236.16	229.41	126.56	31.16	35.26		98.70	
30	92.12	16.83	29.11	26.39	37.32	232.79	229.41	126.56	31.84	33.89		98.70	
31		16.83		33.89	62.22		229.41		38.01	51.11		108.59	
Total	3260.16	1535.39	822.69	942.87	1929.35	3090.42	5813.21	3350.71	1717.15	1076.94	2169.29	2792.31	28500.49 Tonday
Mean	108.67	49.53	27.42	30.42	62.24	103.01	187.52	111.69	55.39	34.74	77.47	90.07	78.08 Ton/day
Max	120.71	89.93	46.50	41.90	87.78	247.99	231.10	231.10	127.75	51.11	97.59	108.59	247.99 Ton/day
Min	67.80	16.83	19.63	22.44	33.21	21.31	49.27	12.93	30.48	28.43	47.42	70.95	12.93 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	23		
R-Square	0.9816		
Remarks	Continued Sediment Station		

$$QS = 1.8191 QW^{1.51790}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	2.07	6.06	122.35	4.40	2.07	5.49	300.16	30.88	104.26	1.87	0.99	0.99	
2	1.68	6.65	47.68	4.67	2.07	4.94	246.75	24.19	43.94	1.87	0.84	0.99	
3	2.07	6.06	13.25	4.40	2.28	8.22	294.66	110.93	16.65	1.68	0.84	0.99	
4	2.28	5.49	10.53	4.14	2.28	11.76	78.26	39.60	13.25	1.68	0.99	0.84	
5	2.71	4.94	8.59	4.14	3.40	8.22	219.28	25.81	11.35	1.68	0.99	0.84	
6	2.93	5.21	7.89	5.21	2.93	6.65	2319.22	20.93	10.53	1.32	0.99	0.84	
7	3.64	6.65	7.58	4.94	2.49	21.57	2278.17	35.57	9.35	1.32	0.99	0.84	
8	3.64	7.27	7.27	4.94	2.28	20.93	1039.27	20.93	8.22	0.99	0.84	0.99	
9	3.64	7.27	7.89	4.14	2.49	99.90	767.66	4446.01	7.27	1.32	0.84	1.15	
10	3.16	7.27	7.58	3.64	2.28	80.06	797.17	4048.94	6.06	0.99	0.71	0.99	
11	2.71	6.96	6.36	3.64	2.93	35.57	513.23	1969.41	5.49	0.84	0.60	0.60	
12	2.49	7.89	6.06	3.64	1.50	20.30	289.19	1456.21	4.94	0.84	0.60	0.49	
13	2.71	7.27	5.49	4.40	0.60	14.92	719.33	1212.45	4.67	0.84	0.71	0.60	
14	3.16	6.65	5.49	4.14	1.68	19.06	454.79	1027.25	4.40	0.84	0.60	0.49	
15	4.14	7.89	5.49	4.94	1.68	25.00	289.19	700.30	3.89	0.84	1.50	0.49	
16	3.89	8.97	5.49	4.67	2.07	26.63	122.35	255.65	3.64	0.84	2.71	0.49	
17	3.64	8.97	5.77	4.14	4.94	28.31	74.70	66.33	3.40	0.84	2.28	0.49	
18	3.89	8.97	5.77	3.89	4.14	25.00	168.42	39.60	3.40	0.84	3.64	0.39	
19	6.06	11.35	5.77	3.64	2.93	22.87	158.81	31.76	2.93	0.84	10.94	0.49	
20	6.96	33.61	5.49	3.64	2.71	26.63	99.90	41.67	2.93	0.84	5.21	0.49	
21	5.49	35.57	4.94	3.16	2.28	45.18	64.74	33.61	2.71	0.84	4.40	0.49	
22	6.36	41.67	4.67	3.16	1.87	662.76	47.68	20.93	2.49	0.84	3.40	0.49	
23	8.22	34.58	4.67	2.93	1.87	493.48	1100.07	30.02	2.07	0.84	2.49	0.39	
24	6.96	31.76	4.67	2.93	1.68	486.96	1862.59	461.16	2.28	0.84	2.07	0.07	
25	6.06	83.70	4.94	2.93	1.32	374.75	1364.01	146.30	2.49	0.99	1.68	0.00	
26	6.06	219.28	4.94	2.93	1.15	181.53	887.96	71.20	2.28	1.32	1.68	0.00	
27	6.96	417.19	5.21	2.93	0.99	700.30	616.84	40.63	2.28	1.15	1.32	0.00	
28	8.97	134.14	4.94	2.71	1.15	233.60	174.94	29.16	2.07	0.99	0.99	0.00	
29	7.89	115.45	4.67	2.71	1.68	184.86	76.47	66.33	2.07	1.15		0.00	
30	6.65	171.67	4.67	2.49	5.77	368.81	50.23	106.47	1.87	1.15		0.00	
31		146.30		2.28	6.65		38.58		1.87	1.15		0.00	
Total	137.09	1602.71	346.11	116.52	76.16	4244.26	17514.62	16610.23	295.05	34.38	55.84	15.92	41048.89 Tonday
Mean	4.57	51.70	11.54	3.76	2.46	141.48	564.99	553.67	9.52	1.11	1.99	0.51	112.46 Ton/day
Max	8.97	417.19	122.35	5.21	6.65	700.30	2319.22	4446.01	104.26	1.87	10.94	1.15	4446.01 Ton/day
Min	1.68	4.94	4.67	2.28	0.60	4.94	38.58	20.93	1.87	0.84	0.60	0.00	0.00 Ton/day

WATER YEAR : 2021

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	2021				
Number of observation	20				
R-Square	0.9548				
Remarks	Continued Sediment Station				

$$QS = 1.2675 QW^{1.21860}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	168.70	134.64	63.42	75.13	78.36	110.11	461.91	381.82	189.34	49.99	60.94	78.36	
2	168.70	148.50	79.98	73.53	78.36	89.83	446.38	373.45	185.18	51.18	54.81	79.98	
3	168.70	148.50	96.50	75.13	78.36	60.94	430.95	373.45	183.10	49.99	75.13	86.52	
4	178.97	146.50	125.78	70.34	79.98	62.18	427.88	373.45	181.03	42.92	60.94	99.88	
5	176.90	146.50	124.02	71.93	79.98	58.47	415.62	357.03	178.97	37.75	99.88	106.68	
6	185.18	150.50	124.02	75.13	79.98	73.53	434.03	321.66	176.90	36.90	101.57	106.68	
7	187.26	164.62	115.29	75.13	78.36	93.16	398.66	321.66	176.90	35.21	101.57	108.39	
8	191.43	162.59	99.88	75.13	78.36	118.77	443.29	319.16	156.52	34.37	103.27	108.39	
9	187.26	156.52	99.88	75.13	98.19	63.42	493.24	569.89	57.24	36.90	101.57	106.68	
10	187.26	140.55	96.50	70.34	99.88	54.81	474.40	148.50	44.08	36.90	103.27	83.24	
11	185.18	140.55	73.53	68.76	111.83	47.61	418.68	79.98	42.05	36.90	103.27	93.16	
12	187.26	140.55	71.93	71.93	111.83	64.67	404.30	62.18	41.18	36.05	103.27	93.16	
13	189.34	140.55	81.60	73.53	96.50	73.53	398.66	60.94	41.18	34.37	103.27	93.16	
14	193.52	138.58	65.92	70.34	174.85	67.18	387.42	54.81	41.18	36.90	104.97	93.16	
15	191.43	124.02	71.93	73.53	189.34	64.67	362.34	42.92	41.18	36.90	117.03	98.19	
16	193.52	122.27	73.53	75.13	191.43	65.92	218.93	104.97	40.32	36.90	111.83	106.68	
17	199.82	124.02	73.53	65.92	189.34	57.24	88.17	108.39	39.46	28.60	106.68	106.68	
18	131.08	122.27	71.93	56.02	193.52	71.93	89.83	148.50	39.46	44.08	106.68	104.97	
19	174.85	131.08	71.93	56.02	199.82	88.17	84.88	138.58	38.60	42.92	98.19	115.29	
20	206.16	129.31	68.76	49.99	185.18	195.62	127.54	108.39	38.60	39.46	93.16	111.83	
21	225.37	125.78	65.92	39.46	181.03	452.58	117.03	93.16	38.60	40.32	91.49	111.83	
22	201.93	127.54	64.67	54.81	181.03	569.89	111.83	91.49	37.75	40.32	84.88	111.83	
23	189.34	125.78	63.42	47.61	172.79	499.55	223.22	225.37	38.60	35.21	79.98	111.83	
24	178.97	125.78	65.92	46.43	174.85	502.71	336.74	443.29	37.75	39.46	79.98	103.27	
25	174.85	127.54	65.92	47.61	172.79	474.40	381.82	258.05	37.75	38.60	79.98	101.57	
26	174.85	125.78	73.53	46.43	158.54	499.55	381.82	258.05	39.46	38.60	78.36	103.27	
27	174.85	99.88	76.74	47.61	142.53	524.94	379.03	255.84	37.75	39.46	79.98	104.97	
28	174.85	79.98	76.74	53.59	129.31	461.91	376.24	296.82	37.75	38.60	79.98	115.29	
29	160.56	58.47	76.74	57.24	124.02	440.20	373.45	289.44	36.90	38.60		117.03	
30	152.50	58.47	78.36	58.47	99.88	490.09	373.45	201.93	37.75	38.60		117.03	
31		56.02		65.92	127.54		379.03		44.08	49.99		125.78	
Total	5460.59	3923.64	2457.82	1963.27	4137.76	6497.58	10440.77	6863.17	2356.61	1222.95	2565.93	3204.78	51094.87 Tonday
Mean	182.02	126.57	81.93	63.33	133.48	216.59	336.80	228.77	76.02	39.45	91.64	103.38	139.99 Ton/day
Max	225.37	164.62	125.78	75.13	199.82	569.89	493.24	569.89	189.34	51.18	117.03	125.78	569.89 Ton/day
Min	131.08	56.02	63.42	39.46	78.36	47.61	84.88	42.92	36.90	28.60	54.81	78.36	28.60 Ton/day

WATER YEAR : 2021

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
Drainge 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	2021		
Number of observation	27		
R-Square	0.9637		
Remarks	Continued Sediment Station		

$$QS = 0.5208 QW^{1.52580}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	7.69	10.14	9.92	17.96	19.27	60.64	373.52	271.41	38.92	7.69	6.29	6.29	
2	8.43	8.64	6.75	17.00	22.50	63.95	362.47	285.95	21.29	9.92	5.85	5.85	
3	6.90	8.85	5.56	16.06	24.27	66.47	365.13	283.51	14.03	10.81	5.13	5.13	
4	6.44	8.02	4.86	14.86	21.63	68.16	388.95	303.25	11.50	11.96	7.85	4.99	
5	6.90	7.85	8.02	13.49	19.60	72.91	426.85	273.82	15.13	11.04	3.55	5.85	
6	7.37	6.75	14.03	12.43	16.37	80.68	492.65	223.91	19.27	8.43	3.19	6.90	
7	7.85	6.14	14.86	14.58	13.76	86.39	926.07	179.35	36.32	7.37	3.31	7.22	
8	8.85	10.81	17.96	20.27	12.96	92.24	1127.81	144.91	48.80	6.60	3.43	7.69	
9	9.70	12.43	18.28	22.50	13.76	108.55	968.82	266.62	97.01	6.14	3.55	7.85	
10	9.49	13.22	19.27	26.08	16.37	113.08	930.79	2072.93	40.51	6.60	3.68	7.06	
11	8.85	11.04	19.93	28.89	22.50	105.56	893.28	1791.65	11.27	6.60	3.68	4.72	
12	8.43	9.27	16.37	27.94	28.41	87.55	650.29	641.04	8.64	6.44	3.68	4.58	
13	8.64	9.49	13.76	26.54	28.89	68.16	509.60	235.57	10.81	6.44	3.80	4.06	
14	9.70	9.06	12.43	27.47	24.72	41.05	600.88	92.00	10.14	6.14	3.93	3.80	
15	11.27	8.64	11.04	31.30	27.00	22.06	485.92	52.26	13.22	6.00	6.14	3.55	
16	11.73	7.06	9.49	35.29	30.81	17.00	300.75	31.30	12.96	6.00	10.14	3.68	
17	11.50	6.00	8.85	35.29	29.84	14.58	108.55	22.50	12.70	5.85	12.43	4.32	
18	12.43	4.72	8.64	36.32	28.41	14.58	41.59	17.88	12.43	4.86	11.50	3.93	
19	8.43	4.19	8.02	36.32	24.72	14.86	53.43	29.36	12.43	6.44	13.76	4.06	
20	6.75	6.29	7.22	35.80	23.38	15.75	16.37	25.62	8.85	7.53	14.58	5.13	
21	13.49	12.43	6.29	37.35	18.61	34.28	35.80	26.08	4.06	7.06	11.27	4.99	
22	20.27	12.43	5.27	34.78	14.58	191.99	39.98	9.70	6.00	7.69	11.50	5.13	
23	20.27	11.96	7.37	34.28	13.76	617.20	79.55	13.64	7.22	8.22	10.81	5.13	
24	16.37	11.73	14.58	36.83	18.28	775.11	430.06	262.20	7.69	8.22	9.49	4.99	
25	12.70	10.81	20.27	38.92	24.72	783.99	788.45	1026.31	7.69	6.75	8.64	4.06	
26	10.81	13.76	18.94	24.27	26.54	770.68	828.93	497.71	7.85	5.70	8.22	4.19	
27	10.81	28.41	18.61	16.37	30.32	753.05	744.29	194.44	8.02	5.42	7.53	4.58	
28	12.96	44.31	18.61	16.37	30.81	824.40	526.75	94.85	7.85	5.13	6.90	5.42	
29	13.49	30.32	18.61	15.75	23.38	558.11	281.08	77.31	7.06	5.27		7.69	
30	12.20	13.49	18.61	16.68	25.62	362.47	237.53	72.04	6.60	4.99		8.02	
31		12.20		17.96	47.29		261.86		6.44	5.27		6.00	
Total	320.72	370.46	382.42	785.95	723.08	6885.50	14278.00	9519.12	532.71	218.58	203.83	166.86	34387.23 Tonday
Mean	10.69	11.95	12.75	25.35	23.33	229.52	460.58	317.30	17.18	7.05	7.28	5.38	94.21 Ton/day
Max	20.27	44.31	20.27	38.92	47.29	824.40	1127.81	2072.93	97.01	11.96	14.58	8.02	2072.93 Ton/day
Min	6.44	4.19	4.86	12.43	12.96	14.58	16.37	9.70	4.06	4.86	3.19	3.55	3.19 Ton/day

WATER YEAR : 2021**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	2021			
Number of observation	24			
R-Square	0.9737			
Remarks	Continued Sediment Station			

$$QS = 3.3537 QW^{1.48950}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	2.87	4.13	1.97	8.72	21.67	0.70	0.00	6.32	
2	0.00	0.00	0.00	0.00	3.76	5.42	2.41	8.72	18.96	0.56	0.00	13.13	
3	0.00	0.00	0.00	0.00	4.56	5.42	6.32	9.28	15.54	0.86	0.00	5.42	
4	0.00	0.00	0.00	0.00	3.76	4.96	60.21	6.75	13.13	1.02	0.00	3.35	
5	0.00	0.00	0.00	0.00	4.13	4.56	28.44	5.42	11.45	0.86	6.75	2.87	
6	0.00	0.00	0.00	0.00	3.76	3.11	18.09	4.56	10.34	0.86	3.11	2.41	
7	0.00	0.00	0.00	0.00	3.76	3.11	22.60	4.13	9.28	1.02	1.02	2.18	
8	0.00	0.00	0.00	0.00	2.63	3.11	42.49	3.11	8.25	0.86	0.31	7.72	
9	0.00	0.00	0.00	0.00	2.63	3.11	41.35	53.25	7.26	0.86	0.11	9.28	
10	0.00	0.00	0.00	0.00	2.18	3.35	40.21	95.91	6.75	0.86	0.04	4.96	
11	0.00	0.00	0.00	0.00	1.77	3.76	21.67	33.62	6.32	0.43	0.04	3.35	
12	0.00	0.00	0.00	0.00	11.45	4.13	19.85	15.54	5.42	0.31	0.04	2.63	
13	0.00	0.00	0.00	0.00	20.76	4.56	23.54	18.09	4.96	0.31	0.04	2.41	
14	0.00	0.00	0.00	0.00	10.85	3.35	17.23	74.25	4.13	0.31	0.04	2.18	
15	0.00	0.00	0.00	0.00	7.26	3.11	16.38	951.86	3.76	0.31	4.96	2.18	
16	0.00	0.00	0.00	0.00	4.96	2.87	18.96	387.30	3.76	0.31	140.91	1.97	
17	0.00	0.00	0.00	0.00	4.13	2.41	23.54	129.13	3.35	0.31	54.50	1.97	
18	0.00	0.00	0.00	0.00	2.87	1.77	18.96	1136.30	3.11	0.31	18.96	1.97	
19	0.00	0.00	0.00	0.00	1.77	1.77	13.92	1598.03	3.11	0.31	13.13	1.97	
20	0.00	0.00	0.00	0.00	1.19	3.76	10.85	224.19	2.87	0.31	7.72	1.97	
21	0.00	0.00	0.00	0.00	1.02	21.67	16.38	91.43	2.87	0.31	7.72	2.41	
22	0.00	0.04	0.00	0.00	1.77	8.72	19.85	56.38	2.63	0.31	8.25	2.41	
23	0.00	0.00	0.00	0.00	3.76	5.42	13.13	216.29	2.63	0.31	7.26	6.32	
24	0.00	0.00	0.00	0.00	1.97	4.13	37.97	429.66	2.41	0.20	6.75	3.11	
25	0.00	0.00	0.00	0.00	1.19	4.56	35.77	103.98	2.41	0.20	4.96	2.63	
26	0.00	0.00	0.00	0.00	1.02	7.72	22.60	58.28	2.41	0.20	4.96	2.41	
27	0.00	0.00	0.00	0.70	1.57	9.28	14.72	44.81	2.63	0.04	2.87	2.18	
28	0.00	0.00	0.00	1.38	2.41	5.42	10.85	36.87	3.11	0.00	2.63	1.57	
29	0.00	0.00	0.00	1.38	4.96	3.35	19.85	30.48	2.41	0.00		1.19	
30	0.00	0.00	0.00	1.77	4.13	2.63	12.59	25.46	2.41	0.00		1.19	
31		0.00		2.41	4.13		9.28		2.41	0.00		2.18	
Total	0.00	0.04	0.00	7.64	128.98	144.67	661.98	5861.80	191.75	13.25	297.08	107.84	7415.03 Tonday
Mean	0.00	0.00	0.00	0.25	4.16	4.82	21.35	195.39	6.19	0.43	10.61	3.48	20.32 Ton/day
Max	0.00	0.04	0.00	2.41	20.76	21.67	60.21	1598.03	21.67	1.02	140.91	13.13	1598.03 Ton/day
Min	0.00	0.00	0.00	0.00	1.02	1.77	1.97	3.11	2.41	0.00	0.00	1.19	0.00 Ton/day

WATER YEAR : 2021**WEST COAST - GULF BASIN****Khleng 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	2021					
Number of observation	23					
R-Square	0.9815					
Remarks	Continued Sediment Station					

$$QS = 3.4371 QW^{1.63580}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.01	0.43	0.56	0.25	19.06	8.99	8.99	18.30	15.89	0.00	0.00	0.29	
2	0.01	0.40	0.40	0.21	15.19	5.96	7.26	84.27	16.72	0.00	0.00	0.21	
3	0.06	0.31	0.31	0.31	14.39	3.72	6.67	31.85	17.45	0.00	0.00	0.00	
4	0.08	0.29	0.19	0.29	23.04	3.44	7.26	18.30	16.72	0.00	0.00	0.00	
5	0.11	0.21	0.40	0.25	43.21	4.02	7.26	14.39	16.72	0.00	0.11	0.00	
6	0.62	0.48	0.40	0.21	44.73	3.16	5.96	12.30	16.72	0.00	0.00	0.00	
7	0.68	0.56	0.31	0.21	27.94	3.44	5.28	10.94	18.30	0.00	0.00	0.00	
8	0.43	5.96	0.36	0.31	16.72	4.02	8.43	9.65	18.30	0.00	0.00	0.00	
9	0.31	1.00	0.93	0.36	11.57	5.28	54.89	192.10	17.45	0.00	0.00	0.00	
10	0.29	0.68	3.72	0.40	7.80	7.80	59.93	380.92	18.30	0.00	0.00	0.00	
11	0.36	0.48	3.72	0.56	5.96	8.43	25.44	128.04	17.45	0.00	0.00	0.00	
12	0.29	0.40	2.63	0.53	40.25	7.80	23.04	62.51	18.30	0.00	0.00	0.00	
13	0.29	0.31	1.70	0.48	11.57	7.26	33.19	776.49	18.30	0.00	0.00	0.00	
14	0.29	0.29	1.03	0.62	7.26	7.26	21.88	1579.69	18.30	0.00	0.00	0.00	
15	0.21	0.29	0.93	0.53	5.62	10.94	23.04	2387.22	18.30	0.00	9.65	0.00	
16	0.19	0.25	0.83	0.48	4.63	16.72	67.62	690.17	17.45	0.00	192.10	0.00	
17	1.49	0.25	0.77	0.53	3.72	17.45	40.25	1080.99	18.30	0.00	12.30	0.00	
18	1.49	0.25	0.68	0.48	6.31	19.95	26.68	490.04	17.45	0.00	0.31	0.00	
19	0.53	0.29	0.71	0.53	5.96	25.44	19.95	254.65	17.45	0.00	1.03	0.00	
20	0.40	0.21	0.71	0.62	4.63	52.60	15.19	149.08	18.30	0.00	0.00	0.00	
21	1.70	0.19	0.68	8.43	3.44	108.47	15.19	37.36	18.30	0.00	0.00	0.00	
22	4.95	0.19	0.62	10.25	3.16	43.21	19.95	25.44	0.00	0.00	0.00	0.04	
23	0.83	0.12	0.56	4.32	2.89	29.22	14.39	572.55	0.00	0.00	0.00	0.00	
24	0.53	0.11	0.53	2.39	2.63	20.73	208.48	406.47	0.00	0.00	0.00	0.00	
25	0.40	0.15	0.53	2.15	2.39	18.30	43.21	111.50	0.00	0.00	0.00	0.00	
26	0.36	0.25	0.48	5.96	3.44	33.19	24.23	50.18	0.00	0.00	0.00	0.00	
27	0.71	0.25	0.56	87.02	4.32	29.22	18.30	27.94	0.00	0.00	0.00	0.00	
28	5.62	0.43	0.62	43.21	3.72	19.95	15.19	15.19	0.00	0.00	0.00	0.00	
29	0.83	0.86	0.56	21.88	4.02	14.39	73.07	12.30	0.00	0.00		0.00	
30	0.62	0.77	0.48	87.02	3.72	11.57	26.68	14.39	0.00	0.00		0.00	
31		0.56		30.52	7.26		23.04		0.00	0.00		0.00	
Total	24.69	17.22	26.91	311.31	360.55	551.93	949.94	9645.22	370.47	0.00	215.50	0.54	12474.28 Tonday
Mean	0.82	0.56	0.90	10.04	11.63	18.40	30.64	321.51	11.95	0.00	7.70	0.02	34.18 Ton/day
Max	5.62	5.96	3.72	87.02	44.73	108.47	208.48	2387.22	18.30	0.00	192.10	0.29	2387.22 Ton/day
Min	0.01	0.11	0.19	0.21	2.39	3.16	5.28	9.65	0.00	0.00	0.00	0.00	0.00 Ton/day

WATER YEAR : 2021

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.				
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	2021				
Number of observation	17				
R-Square	0.8789				
Remarks	Continued Sediment Station				

$$QS = 4.8128 QW^{1.73550}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.12	0.00	3.27	0.09	21.99	20.43	9.73	17.44	64.46	4.01	0.60	9.73	
2	0.09	0.00	7.59	0.06	17.44	14.66	9.73	14.66	64.46	4.01	0.60	7.59	
3	0.06	0.01	14.66	0.06	14.66	12.09	7.59	13.35	64.46	3.27	0.60	7.59	
4	0.09	0.00	2.59	0.06	13.35	10.88	36.23	9.73	64.46	3.27	0.60	6.60	
5	0.12	0.00	0.98	0.06	10.88	8.63	39.03	7.59	64.46	3.27	0.98	6.60	
6	0.25	0.06	0.29	0.06	14.66	6.60	60.99	6.60	64.46	3.27	0.98	6.60	
7	0.98	0.16	0.29	0.20	13.35	6.60	32.39	5.68	60.99	3.27	0.98	6.60	
8	0.60	0.29	1.98	0.98	9.73	8.63	51.07	8.63	60.99	3.27	0.98	8.63	
9	0.29	0.25	9.73	1.45	7.59	9.73	819.37	85.27	60.99	3.27	0.98	8.63	
10	0.25	0.12	5.68	7.59	6.60	12.09	125.93	560.04	60.99	3.27	0.98	7.59	
11	0.20	0.16	6.60	14.66	16.03	9.73	68.02	544.46	60.99	3.27	0.98	7.59	
12	0.16	0.25	10.88	5.68	26.98	9.73	60.99	201.47	64.46	3.27	0.98	7.59	
13	0.16	0.20	4.81	3.27	12.09	7.59	36.23	1864.90	64.46	3.27	0.98	7.59	
14	0.12	0.16	3.27	4.81	10.88	7.59	68.02	1975.89	60.99	3.27	4.81	7.59	
15	0.12	0.16	2.59	1.45	8.63	7.59	89.84	1077.59	60.99	2.59	41.91	7.59	
16	0.12	0.16	1.98	0.98	7.59	8.63	60.99	446.33	60.99	2.59	308.84	7.59	
17	0.98	0.20	1.45	0.98	6.60	18.91	44.88	640.73	57.60	2.59	94.51	7.59	
18	0.98	0.16	0.98	1.98	4.81	41.91	32.39	280.19	57.60	1.98	34.29	7.59	
19	0.20	0.12	0.60	1.98	4.81	28.74	25.27	164.06	57.60	1.98	72.17	7.59	
20	0.16	0.12	0.29	3.27	5.68	25.27	18.91	109.12	57.60	1.98	26.98	7.59	
21	0.12	0.12	0.25	68.02	10.88	25.27	80.80	76.44	51.07	2.59	18.91	10.88	
22	0.00	0.12	0.20	28.74	85.27	20.43	72.17	68.02	21.99	7.59	76.44	39.03	
23	0.00	0.12	0.20	13.35	41.91	20.43	39.03	338.66	4.01	2.59	34.29	21.99	
24	0.00	0.09	0.20	9.73	21.99	16.03	1077.59	235.10	4.01	1.98	21.99	23.61	
25	0.00	0.20	0.20	25.27	20.43	16.03	261.76	125.93	5.68	1.98	16.03	14.66	
26	0.00	0.25	0.20	21.99	14.66	18.91	94.51	85.27	12.09	1.98	16.03	10.88	
27	0.00	0.29	0.16	30.54	14.66	26.98	47.93	72.17	9.73	1.45	8.63	9.73	
28	0.00	0.25	0.12	26.98	21.99	16.03	32.39	72.17	5.68	0.60	14.66	20.43	
29	0.00	0.20	0.12	21.99	34.29	13.35	25.27	68.02	4.81	0.60		54.30	
30	0.00	0.25	0.09	94.51	21.99	10.88	28.74	68.02	4.01	0.60		30.54	
31		0.29		34.29	18.91		23.61		4.01	0.60		28.74	
Total	6.17	4.76	82.25	425.08	541.33	460.37	3481.40	9243.53	1361.09	83.53	801.71	416.85	16908.07 Tonday
Mean	0.21	0.15	2.74	13.71	17.46	15.35	112.30	308.12	43.91	2.69	28.63	13.45	46.32 Ton/day
Max	0.98	0.29	14.66	94.51	85.27	41.91	1077.59	1975.89	64.46	7.59	308.84	54.30	1975.89 Ton/day
Min	0.00	0.00	0.09	0.06	4.81	6.60	7.59	5.68	4.01	0.60	0.60	6.60	0.00 Ton/day

WATER YEAR : 2021**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	2021					
Number of observation	21					
R-Square	0.9488					
Remarks	Continued Sediment Station					

$$QS = 2.7465 QW^{1.82590}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.77	0.01	0.15	2.75	1.08	4.75	0.92	4.31	0.22	6.19	2.50	
2	0.00	0.77	0.01	0.15	2.50	1.25	6.70	8.36	3.89	0.40	6.70	1.43	
3	0.00	0.64	0.00	0.00	2.50	1.08	9.56	10.19	3.89	0.40	6.70	1.43	
4	0.00	0.64	0.00	0.40	3.49	0.92	12.87	22.97	3.89	0.40	5.69	1.08	
5	0.00	0.64	0.00	0.30	3.49	0.92	9.56	28.48	3.89	0.40	5.69	1.08	
6	0.00	0.40	0.00	0.30	3.11	1.25	12.17	36.27	3.49	0.30	5.21	1.83	
7	0.00	0.40	0.00	0.15	2.75	0.77	10.83	52.83	3.11	0.30	4.31	1.83	
8	0.00	0.40	0.00	0.15	2.75	0.64	7.24	82.83	3.11	0.30	3.49	1.62	
9	0.00	0.22	0.01	0.15	2.50	0.64	6.70	109.84	3.11	0.22	4.75	1.43	
10	0.00	0.22	0.01	0.09	2.50	0.77	5.69	91.45	2.75	0.22	4.75	1.25	
11	0.00	0.22	0.09	0.09	2.04	1.08	4.75	157.34	2.50	0.22	5.69	1.62	
12	0.00	0.22	0.09	0.09	2.27	2.50	6.70	187.99	2.27	0.22	6.70	1.43	
13	0.00	0.15	0.15	0.15	1.83	2.27	12.87	202.13	2.50	0.22	10.19	1.43	
14	0.00	0.09	0.22	0.30	1.83	3.49	10.19	231.79	2.50	0.15	12.87	1.08	
15	0.00	0.00	0.22	0.30	1.43	6.19	6.19	1868.84	2.04	0.15	97.41	1.08	
16	0.00	0.00	0.22	0.30	1.25	10.19	5.69	325.52	2.04	0.22	187.99	0.64	
17	0.00	0.00	0.30	0.40	1.43	12.87	3.89	202.13	1.62	0.22	282.54	0.64	
18	0.00	0.00	0.40	0.40	1.08	14.42	2.50	994.48	1.43	0.22	88.53	0.64	
19	2.75	0.00	0.40	0.52	0.77	17.07	1.62	253.87	1.43	0.22	88.53	0.52	
20	2.75	0.00	0.52	0.64	0.92	21.93	2.27	226.23	1.08	0.22	13.58	0.40	
21	10.19	0.00	0.52	0.64	0.64	19.92	3.49	157.34	1.08	0.15	10.19	0.22	
22	9.56	0.00	0.40	0.64	0.52	22.97	6.70	136.71	0.77	0.15	6.19	0.52	
23	0.64	0.00	0.40	0.92	0.30	16.17	8.36	119.61	0.77	0.15	4.75	0.52	
24	0.00	0.00	0.30	0.92	0.40	13.58	22.97	216.37	0.77	0.15	4.75	0.52	
25	0.00	0.00	0.30	11.49	0.30	12.17	11.49	88.53	0.64	0.04	3.89	0.40	
26	0.00	0.00	0.22	12.87	0.22	12.87	10.19	100.46	1.25	0.04	3.89	0.52	
27	0.00	0.00	0.30	37.90	0.30	11.49	8.36	74.60	1.08	0.04	2.75	0.64	
28	0.00	0.00	0.30	21.93	0.15	3.49	4.75	43.33	1.25	0.04	2.50	0.40	
29	0.00	0.00	0.15	18.95	0.22	15.28	3.11	178.93	1.25	0.04		0.40	
30	0.00	0.00	0.15	18.00	0.04	12.87	3.49	15.28	1.25	0.04		0.40	
31		0.00		15.28	0.09		5.69		0.92	0.04		0.40	
Total	25.89	5.78	5.69	144.57	46.37	242.14	231.34	6225.62	65.88	6.10	886.42	29.90	7915.70 Tonday
Mean	0.86	0.19	0.19	4.66	1.50	8.07	7.46	207.52	2.13	0.20	31.66	0.96	21.69 Ton/day
Max	10.19	0.77	0.52	37.90	3.49	22.97	22.97	1868.84	4.31	0.40	282.54	2.50	1868.84 Ton/day
Min	0.00	0.00	0.00	0.00	0.04	0.64	1.62	0.92	0.64	0.04	2.50	0.22	0.00 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	16		
R-Square	0.7369		
Remarks	Continued Sediment Station		

$$QS = 0.5215 QW^{1.59050}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	610.94	1324.29	1234.05	810.10	2736.55	628.17	5157.09	2369.30	6613.02	543.79	524.76	831.79	
2	456.29	707.91	1019.01	610.94	2437.73	1092.53	4613.06	1135.40	1720.83	511.31	614.37	947.40	
3	487.45	1008.66	917.31	781.73	2095.66	1081.91	2992.13	1092.53	6431.28	308.80	791.14	857.57	
4	560.30	1103.19	887.58	887.58	2284.79	848.51	2826.85	1124.62	3964.08	753.73	756.20	801.23	
5	303.06	877.76	957.52	511.31	2541.73	716.99	2420.56	1019.01	1930.17	392.90	741.41	1071.33	
6	479.59	763.02	280.47	680.94	3256.10	680.94	2754.52	947.40	1370.29	451.18	692.88	712.15	
7	707.91	511.31	479.59	519.36	6281.27	434.44	3727.58	2251.30	1103.19	412.49	664.35	631.64	
8	672.04	917.31	947.40	1189.83	6858.26	320.87	6311.17	1724.19	937.33	458.35	847.22	791.14	
9	887.58	1071.33	867.97	1860.55	4868.67	819.64	7931.04	1633.52	791.14	472.82	910.01	873.18	
10	511.31	680.94	744.48	2204.17	3627.41	4208.28	6103.00	1008.66	654.36	520.98	936.66	1092.53	
11	464.01	988.08	2420.56	4613.06	2826.85	4302.28	5781.15	917.31	628.17	570.86	910.01	776.10	
12	274.92	568.63	1256.39	4999.00	1874.40	2489.53	5212.73	1234.05	680.94	447.61	842.07	852.39	
13	535.60	763.02	1608.89	2111.04	1464.02	1572.19	9627.05	2629.62	654.36	433.43	741.41	766.12	
14	877.76	726.11	988.08	1301.51	800.60	1222.94	8289.32	4662.80	907.36	586.54	618.38	645.59	
15	781.73	645.59	988.08	1124.62	877.76	1256.39	5810.14	4388.72	781.73	494.83	852.39	836.92	
16	672.04	698.88	1393.50	1267.61	781.73	2019.41	3567.79	2072.23	744.48	498.53	842.07	786.11	
17	535.60	897.45	1464.02	957.52	1724.19	2049.78	2369.30	1843.30	763.02	384.21	796.18	669.08	
18	716.99	937.33	1358.73	663.18	1071.33	1684.04	1523.76	1812.39	672.04	566.96	801.23	826.66	
19	427.41	707.91	1146.21	448.62	907.36	1584.39	1464.02	2253.15	593.88	422.91	963.60	852.39	
20	346.44	602.38	1081.91	503.31	800.60	2095.66	3647.36	1320.48	413.48	536.15	801.23	781.10	
21	654.36	810.10	1103.19	519.36	2034.57	3217.88	3528.26	1208.18	448.62	771.10	673.81	461.95	
22	535.60	877.76	1167.94	800.60	1511.74	4765.32	1633.52	1171.58	379.41	578.68	878.41	688.10	
23	610.94	1146.21	1428.60	585.42	800.60	2863.28	1452.18	1043.31	535.60	390.00	821.55	1023.85	
24	434.44	937.33	1370.29	216.70	1008.66	2559.22	2235.55	894.16	441.51	347.36	883.65	716.99	
25	386.13	1370.29	1200.83	427.41	1157.06	2506.89	5897.43	969.02	503.31	563.07	910.01	899.43	
26	327.19	560.30	1245.20	242.53	1081.91	2386.34	5324.66	1581.95	386.13	539.96	894.16	1328.10	
27	427.41	1440.37	1234.05	352.94	1547.91	3687.39	2369.30	1832.97	379.41	645.59	806.29	1142.60	
28	654.36	1405.16	593.88	420.42	1256.39	2454.96	1535.82	963.60	552.02	532.34	627.02	721.85	
29	645.59	1572.19	413.48	735.27	977.86	2808.71	1178.87	801.23	274.92	650.26		857.57	
30	877.76	1440.37	707.91	1178.87	1301.51	4842.75	1071.33	4072.20	628.17	547.63		952.79	
31		772.35		3707.46	1008.66		2454.96		511.31	447.61		974.45	
Total	16862.75	28833.53	32507.12	37232.96	63803.88	63201.63	120811.50	51978.18	37395.56	15781.98	22142.47	26170.10	516721.66 Ton/day
Mean	562.09	930.11	1083.57	1201.06	2058.19	2106.72	3897.15	1732.61	1206.31	509.10	790.80	844.20	1415.68 Ton/day
Max	887.58	1572.19	2420.56	4999.00	6858.26	4842.75	9627.05	4662.80	6613.02	771.10	963.60	1328.10	9627.05 Ton/day
Min	274.92	511.31	280.47	216.70	781.73	320.87	1071.33	801.23	274.92	308.80	524.76	461.95	216.70 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	2021		
Number of observation	15		
R-Square	0.7061		
Remarks	Continued Sediment Station		

$$QS = 0.6677 QW^{1.47660}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	89.58	210.35	721.81	238.71	878.13	1159.81	1915.30	1836.62	5253.24	775.06	143.64	799.22	
2	80.17	273.68	578.80	228.26	883.14	1117.89	2103.61	1604.68	5838.49	642.91	148.13	626.68	
3	78.32	357.03	460.16	238.71	918.47	1245.13	2146.23	1561.08	5838.49	536.01	152.66	466.68	
4	89.58	293.14	375.15	238.71	954.25	1183.99	1894.73	1611.98	5604.73	473.23	139.20	372.11	
5	83.89	220.53	342.16	228.26	1011.36	969.72	1685.60	1633.96	5392.96	440.79	145.88	321.68	
6	91.51	178.36	354.04	260.05	974.89	770.25	1532.24	1678.19	5114.72	428.03	141.42	315.90	
7	99.33	152.66	396.65	336.26	1088.25	642.91	1307.83	1700.46	4728.79	405.98	132.62	284.75	
8	130.45	150.39	387.39	496.37	1070.59	570.94	1159.81	1967.03	4372.92	378.20	143.64	257.35	
9	117.68	154.95	345.12	610.59	843.31	555.33	1111.94	2264.83	4026.18	354.04	183.17	236.08	
10	101.32	183.17	327.49	923.56	671.64	730.29	1214.44	2519.37	3652.27	342.16	188.02	233.47	
11	134.80	180.76	381.25	1342.13	775.06	1171.88	1226.68	2786.86	3223.85	324.58	154.95	207.83	
12	139.20	195.37	428.03	1590.11	1276.07	1349.03	1094.16	3166.12	2682.84	307.30	137.00	185.59	
13	132.62	254.66	486.41	1489.29	1853.16	1238.97	1094.16	3354.96	2189.12	287.54	128.29	171.23	
14	159.54	360.03	532.17	1183.99	2071.83	1129.81	1314.67	3487.74	1770.94	268.20	143.64	164.19	
15	157.24	405.98	532.17	1129.81	1935.94	1106.00	1700.46	3592.16	1517.88	254.66	159.54	161.86	
16	180.76	307.30	506.40	1135.79	1738.39	1070.59	1811.90	3637.21	1314.67	243.99	175.97	148.13	
17	233.47	270.94	473.23	974.89	2082.41	949.11	1539.43	3562.22	1165.84	230.86	405.98	139.20	
18	215.42	342.16	456.92	663.39	2363.39	789.53	1404.60	3547.29	1037.67	220.53	813.83	134.80	
19	190.46	375.15	405.98	463.42	2463.30	713.37	1376.72	3562.22	964.55	210.35	751.61	143.64	
20	243.99	310.16	339.21	360.03	2418.73	1070.59	1294.76	3637.21	898.23	205.32	524.52	183.17	
21	246.64	260.05	339.21	301.61	2232.28	1678.19	1590.11	3719.09	828.53	200.33	396.65	324.58	
22	223.09	241.34	378.20	262.76	2275.72	1925.61	1648.66	3836.95	765.46	205.32	360.03	444.00	
23	195.37	279.20	360.03	236.08	2474.48	1967.03	1779.11	3904.83	709.16	195.37	327.49	424.85	
24	230.86	437.59	431.21	212.88	2605.67	1861.45	2243.12	3938.91	655.17	188.02	290.33	333.33	
25	233.47	428.03	590.66	195.37	2657.04	1619.30	2580.11	3921.86	602.59	180.76	284.75	257.35	
26	200.33	387.39	536.01	180.76	2657.04	1369.78	2773.79	3887.82	563.12	185.59	357.03	437.59	
27	173.59	563.12	424.85	171.23	2530.64	1123.84	2708.73	3990.22	543.71	188.02	486.41	651.08	
28	159.54	823.62	345.12	164.19	2308.47	1053.56	2631.31	4134.68	524.52	183.17	717.58	646.99	
29	178.36	1048.25	293.14	161.86	1886.39	1328.38	2580.11	4335.99	486.41	164.19		528.34	
30	205.32	1088.25	257.35	207.83	1546.64	1746.51	2374.43	4672.00	463.42	154.95		516.91	
31		933.75		606.58	1328.38		2040.21		622.65	148.13		466.68	
Total	4795.90	11667.36	12786.32	16833.48	52775.06	35208.79	54878.96	93054.54	73353.12	9323.59	8133.98	10585.26	383396.36 Tonday
Mean	159.86	376.37	426.21	543.02	1702.42	1173.63	1770.29	3101.82	2366.23	300.76	290.50	341.46	1050.40 Ton/day
Max	246.64	1088.25	721.81	1590.11	2657.04	1967.03	2773.79	4672.00	5838.49	775.06	813.83	799.22	5838.49 Ton/day
Min	78.32	150.39	257.35	161.86	671.64	555.33	1094.16	1561.08	463.42	148.13	128.29	134.80	78.32 Ton/day

WATER YEAR : 2021**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.		
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	2021		
Number of observation	15		
R-Square	0.8482		
Remarks	Continued Sediment Station		

$$QS = 16.2650 QW^{1.15190}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	14.22	71.13	27.95	19.11	976.94	101.46	145.48	209.62	5002.72	87.29	45.66	106.24	
2	14.22	40.34	30.99	33.04	693.68	111.06	390.83	356.84	3338.01	82.63	46.73	99.08	
3	17.21	40.34	55.45	52.16	530.52	99.08	168.21	1033.41	1765.39	78.00	48.89	91.98	
4	18.15	35.10	45.66	64.35	602.32	145.48	142.98	273.78	1164.02	78.00	54.35	84.95	
5	36.14	27.95	49.98	35.10	512.76	138.00	163.13	755.50	849.48	75.70	51.07	80.31	
6	29.97	34.07	125.66	45.66	483.34	108.65	145.48	390.83	663.04	73.41	53.25	75.70	
7	38.23	49.98	43.52	52.16	1321.65	118.33	236.08	323.27	554.32	71.13	53.25	73.41	
8	30.99	120.77	42.45	47.81	889.06	118.33	3669.02	273.78	465.80	68.86	48.89	73.41	
9	27.95	68.86	225.45	89.63	506.85	944.85	2921.93	306.65	402.25	64.35	46.73	87.29	
10	33.04	40.34	675.28	193.96	345.60	1652.90	1933.26	1541.41	351.21	64.35	45.66	82.63	
11	28.96	32.01	436.76	2775.68	301.14	1180.49	944.85	3179.72	312.18	66.60	41.39	75.70	
12	21.03	27.95	483.34	675.28	328.83	786.67	1515.83	5074.57	279.23	64.35	41.39	71.13	
13	22.98	21.03	168.21	220.16	209.62	459.97	2274.73	8864.94	246.78	64.35	43.52	68.86	
14	20.07	43.52	84.95	123.21	178.45	328.83	1119.71	5605.50	220.16	59.88	45.66	66.60	
15	40.34	78.00	68.86	94.34	183.60	262.94	1696.05	3560.13	199.16	57.66	66.60	64.35	
16	87.29	23.97	53.25	78.00	145.48	241.42	1774.08	2404.61	178.45	57.66	317.72	62.11	
17	53.25	64.35	68.86	64.35	133.05	199.16	1205.24	1549.95	163.13	56.55	548.35	59.88	
18	32.01	47.81	45.66	55.45	125.66	188.77	817.99	3853.38	150.50	55.45	225.45	57.66	
19	26.95	40.34	39.28	56.55	120.77	138.00	584.26	4712.73	142.98	54.35	317.72	57.66	
20	22.98	38.23	37.18	147.99	125.66	128.12	448.35	2003.79	135.52	54.35	145.48	71.13	
21	19.11	38.23	41.39	849.48	323.27	168.21	554.32	1330.02	133.05	52.16	118.33	150.50	
22	17.21	54.35	34.07	656.94	142.98	413.71	483.34	1049.63	128.12	52.16	111.06	135.52	
23	14.96	138.00	29.97	252.15	118.33	897.00	312.18	1704.70	123.21	52.16	163.13	246.78	
24	14.96	125.66	28.96	133.05	111.06	407.97	500.96	3035.53	123.21	51.07	168.21	257.53	
25	14.22	99.08	28.96	407.97	115.90	328.83	620.46	2557.30	142.98	51.07	125.66	158.06	
26	27.95	306.65	38.23	763.28	241.42	306.65	897.00	2335.94	140.49	49.98	111.06	436.76	
27	22.00	99.08	29.97	385.14	173.32	236.08	548.35	1147.58	113.47	49.98	106.24	351.21	
28	16.27	113.47	24.95	312.18	135.52	385.14	362.48	810.15	96.70	48.89	113.47	138.00	
29	52.16	53.25	22.00	413.71	125.66	204.38	279.23	638.66	101.46	47.81		252.15	
30	39.28	40.34	19.11	1696.05	113.47	158.06	306.65	849.48	99.08	47.81		442.55	
31		32.01		1355.17	106.24		290.16		91.98	46.73		584.26	
Total	854.10	2046.21	3106.35	12149.11	10422.15	10958.54	27452.62	61733.40	17878.08	1884.74	3304.92	4663.40	156453.62 Tonday
Mean	28.47	66.01	103.54	391.91	336.20	365.28	885.57	2057.78	576.71	60.80	118.03	150.43	428.64 Ton/day
Max	87.29	306.65	675.28	2775.68	1321.65	1652.90	3669.02	8864.94	5002.72	87.29	548.35	584.26	8864.94 Ton/day
Min	14.22	21.03	19.11	19.11	106.24	99.08	142.98	209.62	91.98	46.73	41.39	57.66	14.22 Ton/day

WATER YEAR : 2021

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
Drainge 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	2021		
Number of observation	20		
R-Square	0.8851		
Remarks	Continued Sediment Station		

$$QS = 2.9543 QW^{1.69040}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	41.88	107.86	129.28	37.55	46.40	41.88	71.75	191.59	607.30	369.38	369.38	686.22	
2	33.42	114.45	107.86	33.42	61.07	33.42	89.05	163.66	6417.86	297.21	394.85	547.04	
3	25.75	146.05	95.16	33.42	56.00	33.42	61.07	129.28	1467.40	252.70	607.30	461.52	
4	46.40	107.86	242.04	33.42	61.07	25.75	56.00	121.20	803.22	274.58	489.36	407.84	
5	51.11	101.43	211.19	41.88	66.32	22.23	77.35	121.20	638.40	231.56	447.85	369.38	
6	121.20	114.45	137.56	46.40	66.32	18.92	56.00	107.86	576.85	201.29	461.52	344.62	
7	95.16	154.76	129.28	46.40	56.00	29.48	51.11	95.16	475.36	191.59	607.30	308.79	
8	71.75	191.59	154.76	41.88	41.88	22.23	66.32	121.20	421.01	201.29	503.54	434.34	
9	51.11	191.59	114.45	56.00	51.11	33.42	107.86	172.77	369.38	191.59	447.85	382.03	
10	83.12	137.56	101.43	89.05	46.40	56.00	95.16	2628.26	561.86	163.66	434.34	308.79	
11	83.12	121.20	101.43	71.75	51.11	61.07	89.05	855.65	421.01	154.76	407.84	274.58	
12	77.35	107.86	101.43	56.00	66.32	56.00	71.75	927.64	344.62	146.05	394.85	263.55	
13	121.20	95.16	114.45	46.40	46.40	41.88	71.75	855.65	308.79	137.56	421.01	242.04	
14	114.45	89.05	107.86	46.40	37.55	46.40	137.56	503.54	274.58	129.28	576.85	231.56	
15	114.45	77.35	95.16	61.07	37.55	37.55	89.05	369.38	242.04	121.20	820.55	211.19	
16	107.86	71.75	83.12	51.11	56.00	33.42	71.75	461.52	221.28	114.45	1524.58	191.59	
17	95.16	89.05	77.35	46.40	83.12	29.48	163.66	592.00	201.29	107.86	2078.54	182.08	
18	137.56	172.77	71.75	41.88	56.00	25.75	163.66	820.55	211.19	114.45	891.35	182.08	
19	114.45	101.43	66.32	37.55	71.75	25.75	517.87	489.36	191.59	121.20	769.03	332.49	
20	89.05	107.86	66.32	33.42	51.11	137.56	201.29	369.38	191.59	107.86	561.86	561.86	
21	163.66	95.16	66.32	33.42	41.88	77.35	129.28	344.62	172.77	242.04	561.86	475.36	
22	154.76	89.05	61.07	33.42	46.40	89.05	114.45	320.55	163.66	475.36	503.54	320.55	
23	114.45	121.20	61.07	25.75	37.55	77.35	114.45	356.91	146.05	382.03	489.36	274.58	
24	101.43	83.12	56.00	18.92	33.42	56.00	191.59	503.54	146.05	369.38	503.54	252.70	
25	101.43	77.35	56.00	18.92	25.75	46.40	242.04	2278.51	163.66	382.03	769.03	308.79	
26	107.86	163.66	51.11	12.98	33.42	46.40	154.76	1192.18	532.37	369.38	2013.56	252.70	
27	114.45	163.66	46.40	12.98	33.42	56.00	121.20	702.47	332.49	369.38	2144.36	221.28	
28	121.20	146.05	46.40	12.98	25.75	121.20	101.43	489.36	211.19	344.62	1012.80	201.29	
29	137.56	146.05	41.88	25.75	25.75	137.56	114.45	1582.65	211.19	332.49		182.08	
30	121.20	107.86	41.88	107.86	95.16	77.35	121.20	838.02	1262.49	332.49		201.29	
31		95.16		46.40	56.00		191.59		547.04	344.62		263.55	
Total	2913.55	3689.40	2836.33	1300.78	1563.98	1596.27	3905.50	18705.66	18835.58	7573.34	21207.80	9877.76	94005.95 Tonday
Mean	97.12	119.01	94.54	41.96	50.45	53.21	125.98	623.52	607.60	244.30	757.42	318.64	257.55 Ton/day
Max	163.66	191.59	242.04	107.86	95.16	137.56	517.87	2628.26	6417.86	475.36	2144.36	686.22	6417.86 Ton/day
Min	25.75	71.75	41.88	12.98	25.75	18.92	51.11	95.16	146.05	107.86	369.38	182.08	12.98 Ton/day

WATER YEAR : 2021

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
Drainge 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	2021		
Number of observation	20		
R-Square	0.8095		
Remarks	Continued Sediment Station		

$$QS = 8.0254 QW^{1.42670}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.78	9.80	5.53	3.78	3.24	4.63	4.92	32.23	166.59	41.25	7.46	102.94	
2	3.51	9.80	5.84	4.06	3.24	4.06	4.34	22.35	1361.13	32.23	15.69	70.36	
3	3.51	8.60	5.53	4.06	3.24	3.78	4.06	15.00	424.03	27.98	33.98	55.13	
4	4.06	6.91	9.19	5.22	3.24	3.51	4.06	11.67	184.74	45.03	15.00	46.96	
5	4.06	6.91	12.31	5.53	3.24	3.51	4.63	11.03	101.23	32.23	11.03	39.39	
6	5.84	11.03	6.36	5.22	3.24	3.51	4.06	9.19	71.68	26.34	9.80	34.87	
7	6.36	23.92	5.84	4.34	3.24	3.51	3.78	7.46	56.35	23.13	15.69	30.51	
8	4.63	50.90	5.53	4.34	3.24	3.51	4.06	9.19	46.96	23.13	10.41	45.03	
9	4.06	39.39	5.22	4.63	3.24	3.24	4.34	9.19	40.32	21.57	9.80	37.56	
10	4.63	23.13	5.22	4.92	3.24	3.51	4.34	164.05	56.35	17.83	9.80	27.98	
11	4.63	18.56	5.53	4.92	3.51	3.51	4.34	109.89	44.08	16.40	9.80	24.72	
12	11.03	12.97	5.22	4.34	3.78	3.51	4.34	223.61	33.98	15.00	9.80	22.35	
13	12.97	10.41	5.22	4.34	3.51	3.24	3.78	229.83	29.66	13.64	9.80	20.05	
14	8.03	8.03	5.22	4.34	3.51	3.24	5.22	77.03	26.34	12.31	24.72	19.30	
15	6.91	6.91	5.22	4.63	3.51	3.51	4.34	50.90	23.92	11.67	58.83	17.83	
16	5.53	7.46	4.92	4.06	4.92	3.51	4.06	57.59	21.57	11.03	220.51	16.40	
17	9.19	11.03	4.92	4.06	5.84	3.51	11.03	117.99	19.30	10.41	349.99	15.69	
18	43.13	27.98	4.92	3.78	4.06	3.51	6.36	174.30	19.30	10.41	122.62	15.00	
19	9.19	11.03	4.63	3.78	4.92	3.51	71.68	78.38	17.83	11.67	109.89	28.82	
20	6.36	9.80	4.63	3.51	4.63	4.92	20.05	52.90	27.98	9.80	67.74	71.68	
21	15.69	7.46	4.63	3.51	4.34	4.63	9.80	52.90	17.11	9.80	71.68	53.91	
22	9.80	6.91	4.34	3.51	5.22	4.63	9.19	43.13	15.69	12.31	57.59	30.51	
23	9.19	6.36	4.34	3.51	4.34	4.34	8.03	46.96	14.31	9.80	50.90	24.72	
24	6.91	5.84	4.06	3.24	3.78	4.06	11.03	75.68	13.64	9.80	52.90	22.35	
25	10.41	5.84	4.06	3.24	3.78	3.78	17.11	535.63	18.56	9.80	113.41	37.56	
26	13.64	6.91	4.06	3.24	3.51	3.78	9.80	357.10	53.91	9.80	561.15	23.92	
27	16.40	6.91	3.78	3.24	3.78	4.92	6.91	151.49	33.98	11.03	566.05	19.30	
28	19.30	5.84	3.78	3.24	3.51	8.03	6.36	82.95	20.81	9.80	200.74	17.11	
29	20.05	6.91	4.06	3.24	6.36	9.19	11.03	400.60	19.30	9.80		15.69	
30	13.64	5.53	3.78	3.51	11.67	5.22	14.31	261.68	217.44	9.19		15.69	
31		5.53		3.24	5.53		26.34		66.45	8.60		18.56	
Total	296.44	384.61	157.89	124.58	130.41	125.32	307.70	3471.90	3264.54	522.79	2796.78	1021.89	12604.85 Tonday
Mean	9.88	12.41	5.26	4.02	4.21	4.18	9.93	115.73	105.31	16.86	99.88	32.96	34.53 Ton/day
Max	43.13	50.90	12.31	5.53	11.67	9.19	71.68	535.63	1361.13	45.03	566.05	102.94	1361.13 Ton/day
Min	3.51	5.53	3.78	3.24	3.24	3.24	3.78	7.46	13.64	8.60	7.46	15.00	3.24 Ton/day

WATER YEAR : 2021

SOUTHERN PENINSULA EAST COAST

Khleng 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	2021		
Number of observation	16		
R-Square	0.7157		
Remarks	Continued Sediment Station		

$$QS = 1.4351 QW^{1.23640}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.99	28.45	23.52	27.20	483.30	96.20	89.90	250.44	876.52	61.17	30.99	74.52	
2	3.38	17.62	21.12	27.20	257.69	147.56	133.91	202.63	844.45	53.98	29.72	71.51	
3	3.38	9.98	70.01	24.73	208.82	125.52	109.05	580.87	397.26	56.84	37.49	67.04	
4	3.38	6.99	68.52	22.31	223.40	76.03	115.58	299.62	299.62	59.72	52.57	62.63	
5	13.15	5.13	44.22	19.94	287.15	99.39	257.69	190.36	229.71	53.98	45.59	55.41	
6	15.35	9.98	25.96	17.62	257.69	85.23	210.89	190.36	170.25	52.57	70.01	51.16	
7	12.08	33.56	34.86	21.12	583.67	85.23	176.24	198.53	170.25	45.59	56.84	46.97	
8	8.96	37.49	109.05	42.86	389.37	123.85	898.04	188.33	192.40	48.36	49.75	52.57	
9	19.94	46.97	272.37	61.17	260.14	166.27	1310.99	194.44	196.48	52.57	45.59	80.60	
10	38.82	30.99	360.68	160.35	200.58	402.52	1592.69	456.03	142.41	45.59	37.49	53.98	
11	17.62	6.99	279.74	1269.95	174.23	437.15	1086.28	1021.87	132.23	44.22	36.17	53.98	
12	5.13	6.05	350.35	450.64	304.60	329.85	934.15	1059.87	145.84	44.22	38.82	45.59	
13	4.24	4.24	194.44	223.40	236.05	184.28	1549.41	1912.34	172.24	44.22	61.17	51.16	
14	3.38	5.13	94.62	118.88	257.69	182.26	919.66	3519.10	100.98	42.86	58.27	40.16	
15	3.38	4.24	74.52	89.90	166.27	289.65	1608.98	3850.47	91.47	44.22	229.71	33.56	
16	16.48	9.98	58.27	64.09	123.85	176.24	1792.99	4101.83	105.81	45.59	538.62	41.51	
17	14.24	27.20	49.75	52.57	110.67	140.70	1059.87	2405.12	130.54	41.51	1007.12	42.86	
18	38.82	22.31	53.98	48.36	100.98	210.89	684.11	1893.40	102.59	36.17	606.47	30.99	
19	48.36	21.12	46.97	49.75	91.47	158.39	431.81	2592.10	73.01	38.82	219.22	29.72	
20	16.48	24.73	41.51	74.52	112.31	120.53	317.20	1379.93	80.60	44.22	252.87	59.72	
21	6.99	25.96	40.16	282.23	217.13	182.26	423.79	805.52	109.05	36.17	166.27	200.58	
22	6.05	42.86	41.51	453.36	194.44	294.60	791.44	552.60	89.90	40.16	204.69	109.05	
23	6.05	52.57	38.82	274.79	208.82	469.63	502.54	732.20	68.52	41.51	267.45	206.76	
24	5.13	32.27	36.17	140.70	149.28	274.79	513.55	1849.34	67.04	52.57	133.91	267.45	
25	4.24	27.20	29.72	447.93	127.19	250.44	1805.48	1260.87	67.04	51.16	79.07	208.82	
26	4.24	151.01	27.20	746.07	151.01	231.82	1366.09	670.46	105.81	44.22	71.51	260.14	
27	3.38	88.34	27.20	583.67	132.23	192.40	687.52	494.23	109.05	37.49	70.01	117.23	
28	6.99	55.41	25.96	830.24	127.19	215.05	355.48	384.10	79.07	34.86	82.14	142.41	
29	33.56	38.82	23.52	423.79	123.85	192.40	243.22	319.70	59.72	37.49		113.94	
30	53.98	29.72	23.52	851.54	118.88	152.74	324.79	307.12	67.04	40.16		158.39	
31		27.20		787.94	147.56		304.60		77.55	34.86		358.08	
Total	424.17	930.51	2588.24	8688.82	6527.51	6093.87	22597.94	33863.78	5554.45	1407.07	4579.53	3188.49	96444.38 Tonday
Mean	14.14	30.02	86.27	280.28	210.56	203.13	728.97	1128.79	179.18	45.39	163.55	102.85	264.23 Ton/day
Max	53.98	151.01	360.68	1269.95	583.67	469.63	1805.48	4101.83	876.52	61.17	1007.12	358.08	4101.83 Ton/day
Min	3.38	4.24	21.12	17.62	91.47	76.03	89.90	188.33	59.72	34.86	29.72	29.72	3.38 Ton/day

WATER YEAR : 2021

SOUTHERN PENINSULA EAST COAST

Klong 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
Drainage 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	2021		
Number of observation	21		
R-Square	0.8883		
Remarks	Continued Sediment Station		

$$QS = 3.3455 QW^{1.50800}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	40.66	46.41	107.11	20.62	23.38	18.07	33.19	67.32	1227.78	699.25	206.65	953.46	
2	35.29	54.07	71.95	24.26	25.25	15.55	35.29	74.37	3843.90	306.49	131.30	578.57	
3	33.19	67.32	89.02	21.56	26.15	12.45	31.14	96.59	4426.68	202.62	111.03	412.64	
4	32.11	48.75	134.97	18.07	25.25	10.99	29.13	71.95	2533.19	182.86	88.87	325.16	
5	39.62	44.11	204.63	15.55	28.09	9.88	29.13	79.16	1022.00	156.36	37.89	301.88	
6	36.30	42.91	91.47	18.88	34.18	8.81	29.13	89.02	684.65	138.31	111.03	235.63	
7	45.19	52.02	86.44	30.08	28.09	7.32	25.25	62.80	517.87	117.66	98.16	202.62	
8	41.84	58.38	69.69	27.16	23.38	6.80	26.15	84.04	418.02	107.76	76.97	218.91	
9	37.43	69.69	52.02	27.16	20.62	8.81	35.29	134.97	380.88	107.76	37.89	329.89	
10	35.29	54.07	47.52	31.14	23.38	18.07	35.29	1127.78	329.89	107.76	24.45	202.62	
11	33.19	46.41	54.07	33.19	30.08	22.41	31.14	3843.90	329.89	88.87	19.33	156.36	
12	32.11	42.91	89.02	27.16	32.11	21.56	30.08	2961.14	386.11	82.85	16.15	131.30	
13	41.84	39.62	89.02	23.38	27.16	19.79	30.08	2448.94	301.88	82.85	16.15	114.33	
14	56.28	37.43	71.95	21.56	23.38	18.88	46.41	1227.78	252.75	79.89	65.66	107.76	
15	58.38	35.29	56.28	26.15	21.56	19.79	39.62	648.63	194.63	76.97	231.41	98.16	
16	46.41	34.18	47.52	18.88	32.11	19.79	33.19	592.36	141.86	74.09	2490.95	79.89	
17	76.68	34.18	44.11	15.55	54.07	16.40	41.84	537.85	171.33	71.24	2769.78	65.66	
18	107.11	37.43	40.66	12.45	40.66	15.55	71.95	1079.04	235.63	71.24	1108.13	57.59	
19	91.47	34.18	38.46	6.80	34.18	19.79	49.88	655.78	202.62	68.43	919.79	107.76	
20	58.38	33.19	36.30	2.62	29.13	40.66	89.02	459.47	171.33	57.59	511.26	613.26	
21	123.57	33.19	38.46	4.13	29.13	38.46	49.88	325.16	145.44	54.98	511.26	829.98	
22	99.27	37.43	35.29	15.55	31.14	35.29	40.66	301.88	138.31	44.95	434.28	257.10	
23	89.02	46.41	32.11	16.40	29.13	32.11	37.43	274.72	124.42	37.89	315.78	315.78	
24	65.11	40.66	31.14	15.55	25.25	27.16	45.19	440.54	114.33	35.85	334.88	349.99	
25	48.75	34.18	32.11	13.24	22.41	23.38	84.04	1533.30	134.79	33.85	465.84	423.41	
26	45.19	46.41	30.08	12.45	19.79	21.56	65.11	2575.68	257.10	31.89	1327.20	344.93	
27	41.84	44.11	28.09	11.75	20.62	20.62	49.88	1851.57	186.75	49.88	4035.07	182.86	
28	47.52	46.41	26.15	12.45	19.79	94.10	41.84	782.92	178.99	107.76	2791.64	134.79	
29	65.11	45.19	22.41	13.24	18.88	52.02	38.46	2407.17	194.63	167.55		127.84	
30	54.07	40.66	21.56	27.16	23.38	36.30	38.46	3980.13	759.90	149.05		101.33	
31		38.46		28.09	23.38		44.11		1207.56	149.05		160.06	
Total	1658.22	1365.66	1819.61	592.23	845.11	712.37	1307.26	30815.96	21215.11	3743.55	19288.80	8521.52	91885.40 Tonday
Mean	55.27	44.05	60.65	19.10	27.26	23.75	42.17	1027.20	684.36	120.76	688.89	274.89	251.74 Ton/day
Max	123.57	69.69	204.63	33.19	54.07	94.10	89.02	3980.13	4426.68	699.25	4035.07	953.46	4426.68 Ton/day
Min	32.11	33.19	21.56	2.62	18.88	6.80	25.25	62.80	114.33	31.89	16.15	57.59	2.62 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	15		
R-Square	0.8540		
Remarks	Continued Sediment Station		

$$QS = 1.0064 QW^{1.72560}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	32.94	105.24	270.91	153.23	256.47	321.11	583.91	329.98	2040.81	321.11	44.18	348.04	
2	35.62	86.38	215.16	170.88	303.66	312.33	993.19	454.48	3980.30	256.47	44.18	242.36	
3	35.62	125.63	195.66	164.91	348.04	303.66	702.00	444.32	4586.33	235.43	50.31	189.33	
4	32.94	110.19	286.62	147.53	357.22	278.26	606.80	414.40	2105.27	228.59	57.25	159.02	
5	38.39	95.62	221.83	164.91	394.94	263.65	464.74	329.98	1555.99	228.59	47.20	125.63	
6	32.94	95.62	208.57	164.91	357.22	256.47	270.91	278.26	1281.48	195.66	44.18	100.38	
7	30.35	115.25	270.91	221.83	434.25	249.37	263.65	208.57	1094.60	164.91	57.25	90.95	
8	30.35	125.63	208.57	215.16	348.04	242.36	256.47	195.66	964.98	136.40	50.31	77.55	
9	27.85	141.91	176.94	221.83	338.96	249.37	303.66	202.07	855.58	136.40	44.18	90.95	
10	30.35	130.97	183.09	286.62	329.98	278.26	286.62	464.74	714.31	120.39	41.24	73.28	
11	32.94	125.63	221.83	278.26	414.40	338.96	286.62	1518.10	689.78	110.19	38.39	61.10	
12	30.35	125.63	208.57	235.43	751.77	329.98	278.26	1672.00	496.11	105.24	38.39	57.25	
13	41.24	130.97	263.65	195.66	561.40	303.66	263.65	2019.52	424.27	100.38	38.39	50.31	
14	41.24	115.25	228.59	164.91	475.10	303.66	366.50	1443.50	394.94	95.62	53.50	47.20	
15	50.31	115.25	228.59	120.39	506.75	295.09	394.94	937.11	375.88	90.95	77.55	44.18	
16	65.06	110.19	208.57	110.19	506.75	278.26	270.91	951.00	348.04	81.92	249.37	53.50	
17	50.31	105.24	195.66	100.38	550.28	249.37	278.26	1109.42	329.98	73.28	618.38	57.25	
18	81.92	189.33	215.16	90.95	506.75	249.37	434.25	1893.72	295.09	69.12	235.43	61.10	
19	115.25	202.07	208.57	86.38	454.48	278.26	385.37	1462.00	286.62	73.28	159.02	57.25	
20	130.97	235.43	208.57	81.92	550.28	606.80	606.80	1065.20	270.91	65.06	141.91	100.38	
21	86.38	202.07	215.16	81.92	444.32	496.11	414.40	855.58	215.16	65.06	153.23	141.91	
22	69.12	183.09	208.57	77.55	528.33	434.25	366.50	739.20	202.07	61.10	120.39	90.95	
23	53.50	208.57	183.09	73.28	485.56	496.11	454.48	764.44	195.66	61.10	110.19	73.28	
24	53.50	176.94	221.83	73.28	404.62	394.94	424.27	842.30	189.33	57.25	105.24	81.92	
25	47.20	159.02	176.94	73.28	366.50	348.04	414.40	3701.88	176.94	53.50	120.39	81.92	
26	44.18	242.36	147.53	81.92	414.40	348.04	321.11	6622.78	183.09	53.50	506.75	100.38	
27	50.31	312.33	147.53	90.95	424.27	338.96	278.26	2486.25	235.43	50.31	1200.12	86.38	
28	47.20	394.94	136.40	95.62	366.50	375.88	249.37	1672.00	183.09	50.31	714.31	81.92	
29	61.10	366.50	136.40	105.24	329.98	404.62	228.59	2556.23	170.88	47.20		95.62	
30	95.62	249.37	159.02	183.09	357.22	394.94	195.66	5301.19	751.77	47.20		95.62	
31		202.07		202.07	338.96		270.91		583.91	44.18		147.53	
Total	1575.05	5284.69	6158.49	4514.48	13207.40	10020.14	11915.46	42935.88	26178.60	3479.70	5161.23	3164.44	133595.56 Ton/day
Mean	52.50	170.47	205.28	145.63	426.05	334.00	384.37	1431.20	844.47	112.25	184.33	102.08	366.02 Ton/day
Max	130.97	394.94	286.62	286.62	751.77	606.80	993.19	6622.78	4586.33	321.11	1200.12	348.04	6622.78 Ton/day
Min	27.85	86.38	136.40	73.28	256.47	242.36	195.66	195.66	170.88	44.18	38.39	44.18	27.85 Ton/day

WATER YEAR : 2021

TAPI RIVER BASIN

Khlung 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	2021		
Number of observation	15		
R-Square	0.7624		
Remarks	Continued Sediment Station		

$$QS = 18.6020 QW^{0.82890}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	51.92	73.19	92.23	58.45	288.66	184.63	456.11	300.78	802.27	111.98	43.03	95.76	
2	51.92	70.39	69.45	58.45	281.55	217.56	479.25	241.52	849.13	102.86	43.03	87.78	
3	51.92	58.45	59.30	58.45	326.85	232.76	490.26	275.64	885.76	97.52	43.03	85.08	
4	51.92	56.62	59.30	58.45	352.25	208.98	494.34	368.65	885.76	94.00	42.38	83.28	
5	51.92	55.64	58.45	58.45	292.25	164.33	433.37	426.67	861.38	93.12	42.38	80.55	
6	51.92	55.64	84.18	58.45	257.22	124.20	285.16	418.66	821.36	91.34	42.38	78.72	
7	51.92	55.64	104.70	85.08	314.09	111.13	190.94	446.61	778.80	89.56	41.72	75.97	
8	51.92	55.64	71.32	239.33	270.86	111.98	183.57	495.75	727.08	87.78	41.72	73.19	
9	51.92	55.64	59.30	333.24	147.93	132.99	231.67	529.35	630.57	85.98	41.72	69.45	
10	51.92	54.78	89.56	387.94	119.18	259.46	295.91	553.95	443.97	83.28	41.72	67.56	
11	51.92	58.45	143.89	421.34	155.92	377.70	278.03	571.95	292.25	76.89	41.72	64.72	
12	51.92	112.94	122.21	439.96	202.51	430.71	196.17	591.95	252.73	71.32	41.07	62.08	
13	51.92	195.13	130.11	462.87	317.87	458.81	156.92	570.28	222.83	66.62	41.07	60.27	
14	51.92	210.01	99.27	482.01	359.80	462.87	226.15	543.21	198.26	60.27	41.07	58.45	
15	60.27	107.49	93.12	488.85	319.16	357.29	320.44	530.89	183.57	55.64	40.41	57.48	
16	187.79	104.70	99.27	398.53	348.47	275.64	314.09	520.83	172.93	51.05	40.41	55.64	
17	200.34	124.20	149.93	207.86	493.01	220.71	226.15	470.95	164.33	50.04	148.93	52.92	
18	107.49	147.93	154.93	134.94	506.84	161.07	212.16	409.32	158.90	49.16	283.93	51.05	
19	60.27	74.12	90.46	99.27	520.83	171.86	191.99	460.17	151.93	49.16	196.17	50.04	
20	55.64	57.48	61.12	85.08	540.14	352.25	275.64	483.35	154.93	48.15	101.01	75.04	
21	55.64	57.48	62.08	75.04	560.22	407.93	329.41	499.82	166.49	46.24	81.46	236.05	
22	55.64	61.12	62.92	66.62	588.62	430.71	382.82	527.80	156.92	46.24	64.72	273.26	
23	97.52	104.70	43.67	51.92	619.60	454.75	414.68	540.14	148.93	45.60	52.92	241.52	
24	137.90	107.49	66.62	49.16	623.26	472.30	425.38	540.14	140.85	45.60	48.15	139.84	
25	94.88	79.64	98.39	47.26	610.38	450.68	414.68	523.62	129.08	44.96	61.12	109.32	
26	57.48	105.67	66.62	44.96	597.53	293.47	429.34	515.25	124.20	44.96	109.32	117.39	
27	55.64	211.13	59.30	43.67	578.63	196.17	502.63	550.89	118.33	44.96	111.13	186.74	
28	57.48	198.26	58.45	42.38	541.68	190.94	597.53	585.30	111.98	44.32	111.98	293.47	
29	63.88	250.48	58.45	40.41	433.37	299.56	575.29	654.69	106.53	43.67		328.13	
30	65.67	249.30	58.45	87.78	266.15	413.30	533.98	774.52	111.13	43.67		261.69	
31		145.91		282.78	195.13		462.87		116.54	43.03		134.02	
Total	2140.41	3355.26	2527.05	5448.98	12029.96	8626.74	11006.93	14922.65	11069.72	2008.97	2039.70	3706.46	78882.83 Tonday
Mean	71.35	108.23	84.23	175.77	388.06	287.56	355.06	497.42	357.09	64.81	72.85	119.56	216.12 Ton/day
Max	200.34	250.48	154.93	488.85	623.26	472.30	597.53	774.52	885.76	111.98	283.93	328.13	885.76 Ton/day
Min	51.92	54.78	43.67	40.41	119.18	111.13	156.92	241.52	106.53	43.03	40.41	50.04	40.41 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	18		
R-Square	0.8643		
Remarks	Continued Sediment Station		

$$QS = 4.5778 QW^{1.31710}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	1542.68	1894.24	1567.20	1469.66	4276.38	1842.96	2050.05	2589.83	56109.58	3525.34	265.18	272.41	
2	1373.65	1997.78	1567.20	1518.24	3837.71	1842.96	3325.12	2941.94	55807.38	3292.76	236.72	194.08	
3	1349.90	2076.31	1542.68	1373.65	6504.81	1567.20	2102.64	2729.37	50606.21	3228.27	236.72	170.66	
4	1666.23	1997.78	1326.24	1421.46	10020.57	1894.24	2129.06	2424.74	20524.62	3196.15	272.41	136.95	
5	1792.03	2023.88	1255.88	1302.69	10676.68	1894.24	1666.23	2785.68	10182.21	2785.68	386.17	86.35	
6	2343.18	2102.64	1123.68	1210.65	6634.93	1641.34	1868.56	2757.49	7161.53	2617.60	294.39	101.31	
7	1945.84	1945.84	1080.78	1145.27	5695.47	1616.53	7473.12	2847.94	6332.29	2729.37	159.22	101.31	
8	1817.45	2050.05	1302.69	1445.51	4120.62	1349.90	14463.23	3196.15	5821.53	2562.13	136.95	153.58	
9	2050.05	1868.56	1691.21	2289.19	3559.73	2879.19	30672.04	3164.09	4631.85	2235.50	188.15	200.04	
10	1997.78	1868.56	2235.50	2452.07	2879.19	2785.68	20524.62	3357.56	4512.60	116.83	176.44	126.13	
11	2370.29	1894.24	2816.77	5863.70	2534.51	4120.62	13332.93	4711.76	4394.11	164.92	170.66	116.83	
12	2182.12	1716.29	3260.48	2973.44	3663.38	2757.49	16175.37	15201.96	3663.38	257.99	182.28	136.95	
13	1842.96	1591.82	2343.18	2262.31	2562.13	2102.64	22267.34	33292.74	3559.73	206.05	170.66	188.15	
14	1868.56	1666.23	1920.00	1766.70	2452.07	1817.45	11407.99	26544.23	3594.20	170.66	224.33	176.44	
15	1691.21	1591.82	1591.82	1445.51	2397.48	2617.60	10128.26	12743.63	3068.41	194.08	272.41	164.92	
16	1766.70	1591.82	1591.82	1971.77	2343.18	2424.74	6591.49	16553.59	2879.19	188.15	250.85	126.13	
17	1591.82	1567.20	1518.24	1591.82	2076.31	2182.12	4872.56	8802.52	3228.27	176.44	354.92	93.76	
18	1493.90	1493.90	1469.66	1469.66	2023.88	2050.05	3943.23	13332.93	3594.20	164.92	188.15	82.70	
19	1666.23	1397.51	1326.24	1373.65	1945.84	1842.96	3390.07	15949.45	3491.03	218.20	206.05	68.49	
20	1616.53	1188.76	1326.24	1445.51	2076.31	1591.82	3132.12	8542.83	2701.32	224.33	112.90	65.04	
21	1716.29	1349.90	1102.18	6075.62	2262.31	2023.88	3036.67	5611.81	3005.02	194.08	164.92	257.99	
22	1666.23	1166.97	1210.65	9806.03	1868.56	3325.12	2729.37	4751.84	3100.23	182.28	236.72	61.64	
23	1641.34	1279.23	1188.76	2562.13	1591.82	3559.73	2879.19	9221.87	3164.09	112.90	397.61	71.98	
24	1616.53	1493.90	1302.69	2076.31	1666.23	2645.43	4276.38	14396.13	3005.02	75.51	386.17	79.09	
25	1691.21	1445.51	1445.51	2182.12	2235.50	2343.18	3594.20	36797.15	2785.68	116.83	467.89	126.13	
26	1691.21	2262.31	1641.34	3005.02	4120.62	2729.37	3292.76	28805.45	2910.53	147.99	455.99	93.76	
27	1766.70	1971.77	1691.21	3491.03	3357.56	3164.09	3196.15	10398.69	2316.15	153.58	386.17	71.98	
28	1591.82	1842.96	1567.20	2316.15	2534.51	2757.49	2757.49	6461.58	2479.48	153.58	339.53	79.09	
29	1741.45	1666.23	1493.90	2701.32	2182.12	2562.13	2879.19	4994.01	2816.77	147.99		101.31	
30	1894.24	1766.70	1445.51	6246.45	2235.50	2424.74	2701.32	12808.79	3422.65	170.66		159.22	
31		1616.53		6203.63	2050.05		2910.53		3698.09	206.05		86.35	
Total	52986.13	53387.24	47946.46	84458.27	108385.96	70356.89	215769.28	318717.75	288567.35	29916.82	7320.56	3950.77	1281763.48 Tonday
Mean	1766.20	1722.17	1598.22	2724.46	3496.32	2345.23	6960.30	10623.92	9308.62	965.06	261.45	127.44	3511.68 Ton/day
Max	2370.29	2262.31	3260.48	9806.03	10676.68	4120.62	30672.04	36797.15	56109.58	3525.34	467.89	272.41	56109.58 Ton/day
Min	1349.90	1166.97	1080.78	1145.27	1591.82	1349.90	1666.23	2424.74	2316.15	75.51	112.90	61.64	61.64 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	15		
R-Square	0.7693		
Remarks	Continued Sediment Station		

$$QS = 4.1511 QW^{1.45300}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	13.05	172.47	70.16	40.55	1109.25	375.33	440.86	561.72	3343.21	192.08	77.56	167.68	
2	13.05	77.56	97.03	28.88	882.99	406.43	742.41	638.48	1365.62	187.12	73.83	182.20	
3	13.05	59.51	406.43	24.57	757.65	375.33	417.81	1109.25	851.10	182.20	89.08	148.91	
4	13.05	46.19	158.21	21.48	967.60	375.33	417.81	742.41	682.42	177.31	167.68	130.86	
5	22.50	40.55	89.08	18.53	915.25	452.53	561.72	512.29	599.72	172.47	135.30	122.11	
6	26.70	46.19	97.03	18.53	899.07	327.22	440.86	512.29	549.23	172.47	254.69	117.80	
7	33.40	89.08	81.34	109.34	1576.14	317.85	867.00	500.15	512.29	162.92	148.91	105.19	
8	73.83	63.00	212.34	117.80	1278.33	365.54	10777.29	452.53	476.16	158.21	122.11	101.08	
9	177.31	56.08	788.42	281.22	851.10	1047.81	9093.13	512.29	440.86	153.54	105.19	126.46	
10	70.16	49.42	1235.36	3539.26	712.22	1712.40	4252.14	1522.64	417.81	148.91	101.08	122.11	
11	43.03	46.19	625.47	7258.70	682.42	1235.36	2550.25	915.25	395.14	139.79	89.08	105.19	
12	41.78	40.55	915.25	967.60	867.00	851.10	5059.64	2450.42	375.33	135.30	97.03	89.08	
13	39.33	38.12	237.46	561.72	667.67	625.47	4410.12	9615.30	355.84	135.30	237.46	73.83	
14	34.56	34.56	153.54	395.14	835.29	712.22	5863.18	8580.15	336.68	130.86	228.99	63.00	
15	70.16	43.03	130.86	308.56	638.48	1027.57	12997.96	13943.01	327.22	126.46	638.48	63.00	
16	126.46	97.03	97.03	272.28	524.51	788.42	4623.53	4785.63	299.36	117.80	803.95	63.00	
17	66.55	202.13	85.18	228.99	464.30	599.72	2898.80	2742.18	308.56	113.55	947.86	56.08	
18	52.72	93.03	101.08	207.21	417.81	574.30	1795.83	8495.56	290.25	113.55	406.43	52.72	
19	52.72	177.31	59.51	237.46	395.14	429.29	1343.63	3941.64	281.22	109.34	612.55	52.72	
20	40.55	109.34	43.03	375.33	625.47	406.43	1150.82	2001.43	272.28	109.34	299.36	153.54	
21	36.92	177.31	59.51	2222.39	788.42	915.25	1469.71	1278.33	263.44	113.55	308.56	385.20	
22	40.55	317.85	49.42	1047.81	638.48	1823.91	1109.25	1027.57	254.69	162.92	697.27	228.99	
23	39.33	202.13	38.12	549.23	440.86	1391.42	967.60	3018.04	237.46	139.79	299.36	512.29	
24	34.56	177.31	36.92	406.43	488.11	931.51	3098.35	2703.44	228.99	135.30	220.61	947.86	
25	29.99	237.46	33.40	3688.57	712.22	819.57	2742.18	1256.79	228.99	207.21	192.08	464.30	
26	32.25	987.46	33.40	2001.43	574.30	742.41	1109.25	931.51	254.69	153.54	177.31	1007.45	
27	31.11	299.36	33.40	3343.21	488.11	788.42	851.10	788.42	237.46	126.46	167.68	355.84	
28	66.55	192.08	28.88	2254.54	440.86	899.07	727.27	697.27	220.61	113.55	172.47	281.22	
29	126.46	130.86	26.70	1522.64	549.23	574.30	638.48	625.47	207.21	105.19		327.22	
30	417.81	109.34	24.57	5338.35	440.86	476.16	697.27	653.02	202.13	93.03		899.07	
31		89.08		1712.40	406.43		682.42		197.09	81.34		727.27	
Total	1879.49	4501.58	6048.13	39100.15	22035.57	22367.67	84797.67	77514.48	15013.06	4370.40	7871.96	8233.27	293733.43 Ton/day
Mean	62.65	145.21	201.60	1261.30	710.82	745.59	2735.41	2583.82	484.29	140.98	281.14	265.59	804.75 Ton/day
Max	417.81	987.46	1235.36	7258.70	1576.14	1823.91	12997.96	13943.01	3343.21	207.21	947.86	1007.45	13943.01 Ton/day
Min	13.05	34.56	24.57	18.53	395.14	317.85	417.81	452.53	197.09	81.34	73.83	52.72	13.05 Ton/day

WATER YEAR : 2021**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	2021			
Number of observation	15			
R-Square	0.7210			
Remarks	Continued Sediment Station			

$$QS = 3.0222 QW^{1.13970}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	18.49	48.40	30.95	18.06	116.84	211.35	160.58	112.00	1156.51	87.16	24.62	31.41	
2	17.21	88.72	26.41	18.49	127.13	294.02	160.58	86.64	960.54	78.37	36.97	28.67	
3	24.18	92.90	23.29	16.78	109.32	298.62	131.50	133.14	747.02	73.26	26.41	25.96	
4	18.92	41.69	21.97	15.51	122.24	218.32	105.05	123.87	580.32	68.70	24.62	24.62	
5	25.07	30.04	22.85	18.92	124.41	176.94	79.92	137.42	415.57	65.17	24.62	41.69	
6	18.92	24.18	29.58	22.85	121.70	164.12	60.18	173.25	318.23	63.17	23.73	38.38	
7	33.25	21.53	29.12	56.71	127.68	155.71	54.25	240.28	262.49	60.68	26.86	39.32	
8	41.69	22.85	23.29	47.92	88.72	152.93	57.70	572.45	215.71	58.69	40.27	31.41	
9	27.31	30.49	22.85	68.19	57.70	164.12	75.81	743.97	192.33	57.21	55.23	33.25	
10	38.38	27.76	23.29	161.98	64.17	332.23	96.58	556.76	171.84	54.74	40.74	26.41	
11	53.76	23.29	29.58	242.05	142.05	387.42	80.43	344.20	155.71	52.78	30.95	23.29	
12	32.33	21.53	30.04	242.93	317.07	289.44	93.43	276.58	146.70	51.32	27.76	21.97	
13	61.17	71.23	36.04	138.08	399.18	203.54	159.91	244.70	144.71	48.89	29.58	22.41	
14	55.73	78.89	36.04	128.22	313.60	190.61	246.47	256.25	201.81	46.95	50.34	27.76	
15	49.37	91.33	54.25	119.00	164.79	207.01	312.45	233.23	183.76	45.51	43.12	25.52	
16	41.69	44.07	37.91	116.30	105.05	181.20	191.47	214.84	169.75	44.07	48.89	22.41	
17	30.49	68.70	29.12	91.33	166.20	160.58	124.96	217.45	156.38	42.64	113.07	19.79	
18	24.62	66.18	24.62	51.32	243.82	150.14	119.54	245.59	144.71	41.21	73.26	19.35	
19	20.66	38.38	21.53	40.27	216.58	265.41	141.39	305.52	134.79	39.32	42.64	30.04	
20	20.22	29.12	19.35	35.11	109.85	345.43	194.05	347.83	121.16	38.38	37.44	58.69	
21	23.73	25.52	19.79	32.33	162.71	503.55	212.22	459.30	107.72	37.91	32.79	86.64	
22	23.29	23.73	18.92	30.95	325.19	459.30	182.90	670.37	97.11	37.44	31.87	60.68	
23	21.97	57.70	19.35	28.67	399.18	252.69	250.02	622.50	86.12	37.44	29.12	47.44	
24	21.09	65.68	59.19	26.41	493.89	136.76	334.62	466.96	70.72	35.57	31.87	30.49	
25	20.66	39.32	67.69	25.07	403.63	102.40	302.07	343.03	63.17	33.71	47.92	78.89	
26	20.22	49.86	39.32	24.18	267.43	81.98	219.20	369.92	59.19	33.25	85.60	188.04	
27	25.52	85.60	30.49	23.29	231.47	68.19	139.41	372.40	58.19	38.85	47.92	227.08	
28	26.41	74.28	25.07	21.53	185.47	64.17	148.03	383.05	57.70	29.58	36.04	121.16	
29	44.07	55.73	21.53	24.18	189.75	113.07	141.39	413.69	56.71	26.86		120.08	
30	39.79	47.92	19.35	80.95	246.47	159.18	110.39	975.91	66.18	25.96		68.70	
31		38.85		173.99	242.05		100.28		84.05	25.07		49.37	
Total	920.21	1525.47	892.78	2141.57	6385.34	6490.43	4786.78	10643.10	7386.90	1479.86	1164.25	1670.92	45487.61 Ton/day
Mean	30.67	49.21	29.76	69.08	205.98	216.35	154.41	354.77	238.29	47.74	41.58	53.90	124.62 Ton/day
Max	61.17	92.90	67.69	242.93	493.89	503.55	334.62	975.91	1156.51	87.16	113.07	227.08	1156.51 Ton/day
Min	17.21	21.53	18.92	15.51	57.70	64.17	54.25	86.64	56.71	25.07	23.73	19.35	15.51 Ton/day

WATER YEAR : 2021**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
Drainage 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	2021		
Number of observation	12		
R-Square	0.7216		
Remarks	Continued Sediment Station		

$$QS = 4.8366 QW^{1.23540}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	33.41	75.83	14.12	9.18	38.14	20.04	51.27	148.63	325.13	292.15	36.55	239.48	
2	24.35	52.96	36.55	8.25	38.14	13.10	25.82	68.63	1468.62	392.99	31.86	174.27	
3	20.04	36.55	22.89	8.25	21.46	12.10	17.26	58.10	489.09	396.44	31.86	139.50	
4	21.46	30.33	51.27	7.33	16.20	10.14	17.26	58.10	424.29	308.56	38.14	117.19	
5	31.86	31.86	81.32	7.33	14.12	11.11	16.20	41.35	438.35	198.23	33.41	102.03	
6	21.46	42.97	59.83	7.33	13.10	9.18	14.12	38.14	264.61	160.19	30.33	112.82	
7	115.00	72.21	46.26	12.10	11.11	8.25	31.86	75.83	203.09	132.73	28.81	183.79	
8	61.57	47.92	41.35	11.11	10.14	8.25	33.41	47.92	171.91	112.82	27.31	108.48	
9	34.97	38.14	39.74	18.64	10.14	17.26	25.82	42.97	150.93	102.03	28.81	95.66	
10	27.31	30.33	27.31	220.28	8.25	70.42	17.26	95.66	141.78	91.46	27.31	83.16	
11	21.46	27.31	24.35	81.32	8.25	34.97	15.15	150.93	132.73	83.16	25.82	79.48	
12	20.04	22.89	24.35	39.74	10.14	20.04	13.10	288.89	117.19	77.65	24.35	74.02	
13	77.65	25.82	21.46	27.31	9.18	16.20	11.11	195.81	106.32	72.21	24.35	68.63	
14	160.19	21.46	20.04	25.82	8.25	17.26	9.18	115.00	104.17	68.63	24.35	87.29	
15	95.66	18.64	17.26	46.26	8.25	15.15	9.18	91.46	95.66	63.32	46.26	137.24	
16	59.83	17.26	18.64	33.41	8.25	14.12	8.25	81.32	87.29	59.83	39.74	85.22	
17	44.61	20.04	18.64	22.89	9.18	12.10	8.25	153.24	121.59	58.10	132.73	74.02	
18	42.97	17.26	17.26	18.64	11.11	12.10	14.12	634.49	167.20	56.38	87.29	66.85	
19	38.14	18.64	21.46	16.20	21.46	13.10	11.11	832.22	128.26	52.96	51.27	63.32	
20	36.55	30.33	16.20	15.15	46.26	12.10	34.97	463.16	119.39	51.27	44.61	75.83	
21	36.55	22.89	20.04	13.10	24.35	10.14	24.35	253.38	97.78	47.92	51.27	134.98	
22	30.33	54.66	15.15	12.10	18.64	18.64	14.12	188.58	89.37	46.26	44.61	81.32	
23	27.31	36.55	13.10	12.10	17.26	17.26	28.81	183.79	81.32	44.61	36.55	83.16	
24	33.41	25.82	15.15	11.11	13.10	12.10	52.96	308.56	75.83	42.97	36.55	85.22	
25	39.74	20.04	13.10	13.10	13.10	10.14	83.16	186.18	68.63	41.35	87.29	72.21	
26	34.97	17.26	12.10	13.10	12.10	16.20	44.61	150.93	65.08	39.74	746.41	77.65	
27	27.31	16.20	11.11	10.14	12.10	14.12	28.81	174.27	61.57	38.14	1425.07	63.32	
28	30.33	18.64	13.10	9.18	11.11	16.20	39.74	392.99	58.10	36.55	438.35	54.66	
29	51.27	16.20	11.11	10.14	10.14	18.64	25.82	966.09	56.38	34.97		65.08	
30	54.66	14.12	10.14	15.15	17.26	93.56	18.64	368.96	157.87	33.41		56.38	
31		16.20		21.46	20.04		47.92		181.40	41.35		52.96	
Total	1354.41	937.33	754.40	777.22	490.33	573.99	793.64	6855.58	6250.93	3278.38	3681.26	2995.22	28742.69 Tonday
Mean	45.15	30.24	25.15	25.07	15.82	19.13	25.60	228.52	201.64	105.75	131.47	96.62	78.75 Ton/day
Max	160.19	75.83	81.32	220.28	46.26	93.56	83.16	966.09	1468.62	396.44	1425.07	239.48	1468.62 Ton/day
Min	20.04	14.12	10.14	7.33	8.25	8.25	8.25	38.14	56.38	33.41	24.35	52.96	7.33 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	20		
R-Square	0.8552		
Remarks	Continued Sediment Station		

$$QS = 3.1765 QW^{1.07200}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	316.74	139.22	57.91	41.53	64.13	43.15	89.43	201.48	563.09	190.70	123.48	665.90	
2	327.89	67.89	69.15	46.81	93.27	74.18	90.71	160.39	463.92	332.07	183.54	471.06	
3	311.18	38.30	48.03	59.15	80.51	39.10	90.71	151.54	459.16	482.98	88.15	357.73	
4	308.40	75.45	135.71	33.49	75.45	66.64	69.15	137.46	388.21	244.98	40.72	241.33	
5	341.85	60.39	97.12	52.95	41.53	56.66	52.95	111.33	336.73	194.29	61.64	212.30	
6	363.11	77.98	165.71	46.81	25.58	41.53	43.15	126.96	281.62	187.12	100.98	276.11	
7	336.26	140.97	99.70	39.10	45.59	40.72	44.77	201.48	219.54	255.93	116.52	266.92	
8	478.31	80.51	70.40	46.81	59.15	39.91	98.41	205.09	203.28	277.94	51.72	257.76	
9	258.22	70.40	86.88	56.66	31.90	43.15	89.43	179.96	165.71	255.93	60.39	244.98	
10	146.25	49.26	56.66	35.09	19.37	56.66	56.66	162.16	165.71	215.92	76.71	230.42	
11	192.50	59.15	59.15	67.89	27.15	52.95	43.15	210.50	149.78	234.05	88.15	217.73	
12	237.69	76.71	42.34	48.03	41.53	33.49	43.96	421.22	135.71	234.05	100.98	239.51	
13	228.60	339.06	77.98	51.72	50.49	33.49	34.29	452.03	140.97	219.54	108.74	215.92	
14	215.01	237.69	65.39	42.34	28.73	32.69	59.15	367.09	132.21	205.09	112.63	197.89	
15	260.51	144.49	39.91	36.69	24.80	48.03	50.49	298.22	132.21	252.28	70.40	276.11	
16	149.78	102.27	51.72	43.15	31.90	43.96	75.45	320.45	130.46	300.07	46.81	383.51	
17	224.06	107.44	59.15	31.90	67.89	69.15	84.33	304.23	140.97	313.50	91.99	219.54	
18	144.49	111.33	70.40	39.10	64.13	54.19	36.69	597.88	171.05	235.87	128.71	254.10	
19	149.78	110.03	37.49	48.03	39.91	52.95	66.64	786.05	181.75	38.30	83.06	217.73	
20	217.27	100.98	40.72	49.26	66.64	65.39	38.30	993.84	187.12	65.39	90.71	223.16	
21	167.93	94.55	62.89	45.59	41.53	50.49	94.55	865.69	188.91	80.51	70.40	263.26	
22	135.71	161.28	64.13	41.53	81.78	56.66	70.40	560.20	171.05	88.15	70.40	224.97	
23	183.54	130.46	57.91	35.09	44.77	35.09	239.51	411.77	151.54	89.43	62.89	248.62	
24	72.92	111.33	46.81	31.10	31.90	44.77	376.47	437.79	187.12	85.60	40.72	196.09	
25	49.26	95.84	37.49	28.73	20.91	43.96	334.40	402.34	203.28	77.98	55.43	174.61	
26	34.29	85.60	71.66	23.24	55.43	69.15	306.55	343.72	205.09	75.45	217.27	197.89	
27	59.15	55.43	61.64	25.58	83.06	91.99	350.72	294.53	270.59	67.89	817.15	255.93	
28	34.29	72.92	38.30	40.72	56.66	123.48	304.23	334.40	248.62	59.15	921.39	203.28	
29	46.81	42.34	30.31	52.95	44.77	81.78	214.11	827.54	261.42	50.49		215.92	
30	98.41	40.72	62.89	56.66	91.99	60.39	158.62	872.64	172.83	69.15		239.51	
31		38.30		50.49	107.44		162.16		197.89	88.15		230.42	
Total	6090.21	3118.29	1965.55	1348.19	1639.89	1645.75	3869.54	11739.98	7007.54	5567.95	4081.68	8120.21	56194.78 Tonday
Mean	203.01	100.59	65.52	43.49	52.90	54.86	124.82	391.33	226.05	179.61	145.77	261.94	153.96 Ton/day
Max	478.31	339.06	165.71	67.89	107.44	123.48	376.47	993.84	563.09	482.98	921.39	665.90	993.84 Ton/day
Min	34.29	38.30	30.31	23.24	19.37	32.69	34.29	111.33	130.46	38.30	40.72	174.61	19.37 Ton/day

WATER YEAR : 2021

THALE SAP SONGKHLA

Khlong Bang Kao 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
Drainage 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	2021		
Number of observation	14		
R-Square	0.8065		
Remarks	Continued Sediment Station		

$$QS = 2.3798 QW^{1.29870}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	13.94	18.75	13.47	12.56	138.85	7.02	9.06	9.06	55.48	181.12	11.66	198.04	
2	13.94	19.24	13.47	12.11	13.47	7.02	9.06	9.49	1753.66	192.93	12.11	158.04	
3	13.94	14.40	13.47	11.66	12.11	6.63	9.06	9.06	420.52	349.36	11.66	126.77	
4	13.94	14.40	13.47	11.22	9.91	6.24	8.64	9.49	143.60	176.12	11.66	99.74	
5	13.94	14.40	13.47	10.78	9.91	5.85	8.64	12.11	75.33	162.93	11.66	66.23	
6	13.94	14.40	13.47	10.34	9.06	5.85	9.06	9.06	56.44	96.47	11.66	59.34	
7	30.34	20.00	13.47	9.91	9.06	5.48	11.66	74.31	45.20	66.23	11.66	71.25	
8	14.87	14.87	13.47	12.56	8.64	5.48	10.34	24.65	38.04	39.80	11.66	58.37	
9	13.94	28.69	13.47	18.75	8.64	12.11	9.49	20.76	34.57	31.18	11.22	50.75	
10	13.94	14.40	13.47	19.24	8.64	12.56	9.06	51.69	29.51	27.87	11.22	46.12	
11	13.94	14.40	14.40	18.75	8.64	9.91	9.06	45.20	24.65	27.06	11.22	42.48	
12	13.94	14.40	14.40	18.25	8.64	9.91	9.49	192.93	22.30	27.06	11.22	35.43	
13	13.94	17.27	13.94	17.76	8.23	9.06	8.64	58.37	21.52	23.86	10.78	35.43	
14	13.94	14.40	13.94	17.27	8.23	9.06	8.23	38.92	20.76	23.07	10.78	52.63	
15	13.94	14.40	13.94	16.78	8.23	9.06	7.82	35.43	20.76	22.30	27.87	74.31	
16	13.94	14.40	13.47	16.30	13.02	8.23	7.82	35.43	20.76	20.76	43.38	59.34	
17	13.94	37.17	12.56	15.82	15.82	8.23	7.82	65.23	21.52	19.24	17.27	44.29	
18	38.92	16.30	12.56	15.34	12.56	8.23	10.34	92.15	30.34	18.25	41.59	41.59	
19	22.30	13.47	12.56	14.87	10.78	7.82	9.91	92.15	27.06	17.27	43.38	38.92	
20	14.40	14.87	12.56	14.40	10.78	7.82	50.75	41.59	25.45	16.30	17.76	35.43	
21	14.40	14.87	12.56	13.94	10.34	7.82	8.64	39.80	23.86	15.34	44.29	44.29	
22	14.40	14.40	12.56	13.47	10.34	11.22	7.82	35.43	23.07	14.40	27.06	40.69	
23	14.40	14.40	12.56	13.02	10.34	9.91	7.42	39.80	21.52	14.40	21.52	38.04	
24	17.27	14.40	12.56	12.56	9.49	8.64	7.42	71.25	38.04	13.47	19.24	34.57	
25	14.40	14.40	12.56	12.11	9.49	7.82	14.40	77.39	40.69	13.02	181.12	34.57	
26	14.40	15.82	12.56	11.66	9.49	7.82	8.23	64.24	30.34	11.66	795.35	34.57	
27	13.94	20.00	12.56	10.78	9.06	7.82	5.85	71.25	26.25	10.78	2491.27	30.34	
28	13.94	15.82	12.56	10.34	9.06	7.82	5.85	74.31	23.07	10.78	559.84	34.57	
29	13.94	14.40	12.56	9.91	8.23	31.18	5.85	113.07	18.75	10.78		33.72	
30	13.47	13.47	12.56	9.49	8.23	9.49	11.66	71.25	189.54	10.34		29.51	
31		13.02		9.06	7.82		9.91		406.35	10.34		29.51	
Total	474.49	509.63	394.63	421.01	435.11	271.11	317.00	1584.87	3728.95	1674.49	4491.11	1778.88	16081.28 Tonday
Mean	15.82	16.44	13.15	13.58	14.04	9.04	10.23	52.83	120.29	54.02	160.40	57.38	44.06 Ton/day
Max	38.92	37.17	14.40	19.24	138.85	31.18	50.75	192.93	1753.66	349.36	2491.27	198.04	2491.27 Ton/day
Min	13.47	13.02	12.56	9.06	7.82	5.48	5.85	9.06	18.75	10.34	10.78	29.51	5.48 Ton/day

WATER YEAR : 2021

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
Drainage 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	2021		
Number of observation	17		
R-Square	0.8166		
Remarks	Continued Sediment Station		

$$QS = 4.8367 QW^{1.35690}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	55.26	13.67	10.74	4.19	177.89	7.64	30.66	28.55	53.52	8.38	9.15	20.51	
2	27.61	7.78	26.47	3.57	39.49	8.38	17.69	86.56	201.67	9.15	8.38	16.77	
3	16.95	15.06	10.74	17.69	13.24	6.90	15.87	27.50	108.23	8.38	7.64	14.98	
4	18.90	4.84	9.15	5.50	8.38	6.19	14.98	21.48	37.23	7.64	14.98	14.10	
5	9.39	5.92	11.56	4.19	8.38	5.50	13.24	18.62	32.81	7.64	22.45	14.98	
6	4.71	12.30	19.56	12.39	6.90	4.84	22.45	17.69	29.60	6.90	9.15	25.45	
7	10.18	14.10	29.60	11.56	5.50	5.50	59.79	29.60	26.47	7.64	8.38	51.92	
8	10.18	4.84	10.74	5.50	4.84	5.50	27.50	18.62	24.44	7.64	5.50	22.45	
9	4.19	4.19	9.15	15.87	4.84	21.48	19.56	39.49	23.44	7.64	4.84	18.62	
10	3.88	3.76	14.98	71.11	10.74	13.24	14.10	240.57	22.45	8.38	4.84	14.98	
11	3.16	34.89	25.45	12.39	20.51	7.64	12.39	38.36	22.45	6.90	4.84	14.10	
12	2.87	431.95	10.74	8.38	6.19	6.19	11.56	62.99	20.51	6.90	4.84	12.39	
13	5.17	25.55	9.15	12.39	5.50	17.69	10.74	90.08	20.51	6.90	4.84	13.24	
14	6.98	36.67	9.15	21.48	4.84	23.44	9.94	48.88	20.51	6.19	6.90	37.23	
15	16.41	71.51	8.38	9.15	14.10	9.15	9.94	28.55	21.48	6.19	12.39	42.95	
16	12.30	385.58	14.98	6.90	27.50	6.90	9.15	23.44	20.51	6.19	15.87	17.69	
17	3.88	38.47	8.38	5.50	9.15	6.19	16.77	91.78	35.00	6.19	45.89	14.98	
18	4.19	11.89	7.64	4.84	21.48	6.90	16.77	251.64	79.62	5.50	15.87	16.77	
19	7.41	15.51	6.90	4.84	22.45	20.51	32.81	237.82	41.79	5.50	8.38	14.98	
20	8.16	41.44	7.64	4.19	23.44	32.81	260.03	53.52	28.55	5.50	22.45	14.10	
21	3.57	33.25	7.64	4.19	74.46	14.10	42.95	55.01	24.44	5.50	31.73	16.77	
22	3.45	88.52	6.90	3.57	13.24	11.56	21.48	32.81	23.44	4.84	9.94	14.10	
23	4.38	64.54	5.50	3.57	9.94	7.64	23.44	53.52	21.48	4.19	8.38	12.39	
24	3.76	16.41	5.50	3.57	12.39	6.19	108.23	182.14	14.98	4.19	9.94	13.24	
25	3.45	26.06	5.50	3.57	17.69	10.74	182.14	37.23	10.74	4.19	20.51	14.10	
26	4.51	30.45	5.50	2.98	9.94	26.47	29.60	29.60	9.94	4.19	201.67	20.51	
27	4.19	24.44	4.84	2.98	8.38	47.44	24.44	27.50	9.94	6.19	106.30	58.14	
28	4.07	12.39	4.84	2.98	6.90	30.66	37.23	64.54	9.15	4.19	30.66	84.74	
29	32.60	12.39	4.84	3.57	8.38	32.81	19.56	97.23	9.15	4.19		40.64	
30	163.32	9.15	4.19	6.90	8.38	365.99	26.47	35.00	8.38	8.38		18.62	
31		8.38		22.45	10.74		67.81		8.38	51.92		19.56	
Total	459.08	1505.90	316.35	301.96	615.80	776.19	1209.29	2070.32	1020.81	243.32	656.71	726.00	9901.73 Tonday
Mean	15.30	48.58	10.54	9.74	19.86	25.87	39.01	69.01	32.93	7.85	23.45	23.42	27.13 Ton/day
Max	163.32	431.95	29.60	71.11	177.89	365.99	260.03	251.64	201.67	51.92	201.67	84.74	431.95 Ton/day
Min	2.87	3.76	4.19	2.98	4.84	4.84	9.15	17.69	8.38	4.19	4.84	12.39	2.87 Ton/day

WATER YEAR : 2021**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.		
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	2021		
Number of observation	14		
R-Square	0.9387		
Remarks	Continued Sediment Station		

QS = 1.3490 QW^{1.59460}

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	29.35	25.39	25.39	11.82	90.70	25.39	40.17	49.70	129.47	292.89	31.41	202.96	
2	27.34	25.39	33.53	7.78	68.13	33.53	37.90	52.20	6515.77	264.64	29.35	166.62	
3	25.39	23.49	35.69	11.82	44.84	35.69	31.41	57.33	1822.70	342.33	33.53	147.61	
4	23.49	21.64	27.34	11.82	40.17	25.39	35.69	90.70	721.63	312.32	40.17	129.47	
5	21.64	18.13	27.34	10.40	44.84	21.64	27.34	112.23	383.90	322.21	29.35	117.87	
6	19.86	18.13	23.49	10.40	31.41	19.86	23.49	85.59	312.32	283.36	29.35	117.87	
7	23.49	19.86	23.49	31.41	25.39	18.13	33.53	147.61	255.46	202.96	27.34	123.62	
8	27.34	18.13	23.49	19.86	23.49	18.13	85.59	90.70	194.66	160.19	33.53	141.46	
9	25.39	21.64	19.86	19.86	21.64	35.69	70.94	90.70	160.19	135.42	27.34	173.15	
10	23.49	19.86	21.64	62.64	31.41	59.97	44.84	106.69	219.96	106.69	27.34	117.87	
11	21.64	19.86	25.39	59.97	23.49	31.41	37.90	117.87	179.77	90.70	25.39	85.59	
12	19.86	16.46	23.49	44.84	33.53	25.39	29.35	153.85	129.47	80.59	23.49	70.94	
13	23.49	54.74	25.39	31.41	23.49	23.49	25.39	135.42	112.23	70.94	23.49	65.37	
14	25.39	37.90	33.53	25.39	21.64	25.39	25.39	112.23	112.23	65.37	42.48	95.92	
15	29.35	23.49	29.35	35.69	19.86	44.84	25.39	106.69	90.70	59.97	90.70	166.62	
16	29.35	19.86	23.49	27.34	19.86	33.53	23.49	106.69	80.59	57.33	153.85	75.71	
17	27.34	23.49	19.86	21.64	25.39	29.35	25.39	141.46	95.92	54.74	194.66	62.64	
18	37.90	29.35	19.86	18.13	62.64	27.34	27.34	211.40	95.92	52.20	141.46	59.97	
19	40.17	31.41	25.39	16.46	75.71	33.53	62.64	135.42	123.62	49.70	147.61	62.64	
20	33.53	25.39	18.13	18.13	52.20	27.34	112.23	112.23	135.42	47.24	112.23	147.61	
21	29.35	23.49	21.64	16.46	95.92	27.34	80.59	106.69	106.69	44.84	112.23	283.36	
22	23.49	23.49	19.86	16.46	62.64	37.90	42.48	106.69	90.70	52.20	68.13	123.62	
23	19.86	27.34	16.46	14.85	40.17	54.74	37.90	117.87	85.59	42.48	59.97	117.87	
24	19.86	29.35	16.46	13.30	31.41	31.41	75.71	129.47	228.65	40.17	112.23	123.62	
25	18.13	27.34	14.85	13.30	27.34	27.34	129.47	141.46	95.92	37.90	160.19	117.87	
26	18.13	31.41	14.85	11.82	35.69	27.34	153.85	129.47	75.71	37.90	322.21	95.92	
27	16.46	31.41	18.13	11.82	31.41	35.69	70.94	85.59	65.37	35.69	1243.35	75.71	
28	23.49	42.48	14.85	10.40	29.35	27.34	62.64	75.71	62.64	33.53	373.34	75.71	
29	21.64	27.34	13.30	10.40	25.39	33.53	47.24	106.69	62.64	33.53		65.37	
30	21.64	21.64	13.30	19.86	25.39	29.35	44.84	112.23	186.48	33.53		59.97	
31		25.39		35.69	37.90		80.59		322.21	33.53		62.64	
Total	746.85	804.29	668.84	671.17	1222.44	927.01	1651.66	3328.58	13254.53	3477.09	3715.72	3533.17	34001.35 Tonday
Mean	24.90	25.94	22.29	21.65	39.43	30.90	53.28	110.95	427.57	112.16	132.70	113.97	93.15 Ton/day
Max	40.17	54.74	35.69	62.64	95.92	59.97	153.85	211.40	6515.77	342.33	1243.35	283.36	6515.77 Ton/day
Min	16.46	16.46	13.30	7.78	19.86	18.13	23.49	49.70	62.64	33.53	23.49	59.97	7.78 Ton/day

WATER YEAR : 2021

THALE SAP SONGKHLA

Khleng Wa at Ban Khleng Wa , Songkhla (X.174)

Lat 06 - 59 - 11 N Long 100 - 28 - 55 E

Location : on right bank at the bridge.

	Ban Khleng Wa	Amphoe Hat Yai	Changwat Songkhla
Drainge 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	2021		
Number of observation	21		
R-Square	0.8826		
Remarks	Continued Sediment Station		

$$QS = 3.5440 QW^{1.21320}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.99	3.76	6.99	4.65	4.65	3.98	3.98	4.87	141.61	41.50	6.27	63.57	
2	6.75	3.76	5.80	5.10	4.87	3.54	4.20	5.80	98.54	124.14	6.03	48.22	
3	6.27	3.54	5.33	5.10	4.42	3.12	3.54	5.10	93.17	161.57	5.80	38.87	
4	5.56	3.76	6.51	4.65	3.98	3.12	4.65	6.51	75.17	98.54	6.75	33.69	
5	6.03	4.87	8.22	4.42	3.54	2.91	5.10	9.22	67.88	69.33	6.99	29.90	
6	6.27	6.99	8.72	4.65	3.54	2.91	4.42	9.74	56.50	55.10	6.75	27.11	
7	5.56	9.74	7.72	4.65	3.54	3.33	4.20	6.75	48.22	45.51	6.03	24.37	
8	16.76	7.48	7.48	4.20	3.12	5.33	4.20	4.87	38.87	38.87	5.56	21.68	
9	5.10	6.75	6.75	5.10	2.91	4.20	3.98	4.65	28.04	34.65	5.33	18.47	
10	4.65	6.03	6.27	6.51	2.91	4.65	3.54	7.48	28.04	30.84	5.10	17.33	
11	4.42	5.80	6.03	5.80	2.91	4.65	3.54	18.47	28.97	27.11	5.10	15.64	
12	4.20	6.51	5.56	5.10	2.70	3.98	3.33	96.61	28.04	21.68	5.33	13.98	
13	4.20	6.75	5.33	5.80	2.70	3.76	3.12	84.08	28.97	24.37	5.10	13.44	
14	4.42	5.80	5.33	6.75	3.12	3.54	3.33	37.56	37.56	19.92	5.33	15.09	
15	4.87	5.33	5.10	6.03	3.76	3.33	2.91	26.19	27.11	17.90	5.80	15.09	
16	4.65	5.33	4.87	5.33	3.54	3.33	2.91	28.04	19.92	16.76	8.22	12.36	
17	4.65	6.03	6.03	4.87	3.76	3.33	2.91	53.71	36.59	15.64	13.98	11.30	
18	4.42	7.97	8.72	4.65	3.33	3.12	3.76	93.17	36.59	14.53	11.30	10.25	
19	4.42	7.48	6.99	4.20	3.12	4.20	4.20	91.64	20.80	13.98	9.74	16.76	
20	4.42	7.48	6.51	3.98	3.12	3.33	3.76	66.44	17.33	12.36	7.97	36.59	
21	4.20	7.72	5.80	3.76	2.91	2.91	3.76	46.86	18.47	12.36	7.48	38.87	
22	4.20	9.74	5.56	3.76	2.70	2.91	3.54	55.10	21.68	11.30	6.75	23.47	
23	3.98	7.97	5.33	3.54	2.70	3.33	3.54	114.17	20.80	10.25	6.27	20.80	
24	3.76	6.99	5.10	3.33	2.70	3.54	3.33	295.28	18.47	8.22	7.23	17.33	
25	3.76	6.51	4.87	3.12	2.50	3.54	3.54	118.14	17.33	8.72	19.05	15.64	
26	3.76	6.51	4.65	3.12	2.50	4.42	3.33	87.09	16.20	10.77	159.05	13.98	
27	3.76	9.74	4.87	3.12	2.50	5.56	5.56	70.78	15.09	7.48	187.15	13.44	
28	4.65	12.36	6.51	2.91	2.70	4.87	7.72	237.43	11.83	7.23	100.47	12.36	
29	3.76	20.80	5.33	2.91	4.65	4.42	4.42	727.67	11.83	7.97		11.30	
30	3.33	10.77	4.87	3.76	5.56	4.20	3.98	216.01	28.04	7.48		10.77	
31		7.72		3.98	4.65		3.54		28.04	6.51		10.25	
Total	153.77	227.99	183.15	138.85	105.61	113.36	121.84	2629.43	1165.70	982.59	631.93	671.92	7126.14 Tonday
Mean	5.13	7.35	6.11	4.48	3.41	3.78	3.93	87.65	37.60	31.70	22.57	21.67	19.52 Ton/day
Max	16.76	20.80	8.72	6.75	5.56	5.56	7.72	727.67	141.61	161.57	187.15	63.57	727.67 Ton/day
Min	3.33	3.54	4.65	2.91	2.50	2.91	2.91	4.65	11.83	6.51	5.10	10.25	2.50 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	20		
R-Square	0.8300		
Remarks	Continued Sediment Station		

$$QS = 3.0750 QW^{1.09360}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	9.63	15.16	4.72	2.81	2.94	3.62	3.75	22.22	61.70	56.50	6.85	34.41	
2	9.33	11.27	4.58	2.67	2.94	3.35	3.62	7.87	269.72	137.99	6.56	24.14	
3	9.48	11.42	4.44	2.67	2.94	3.35	3.48	6.56	69.83	100.65	6.56	19.13	
4	12.03	10.23	5.14	2.67	2.94	3.35	3.48	6.28	74.41	47.93	7.14	16.13	
5	14.58	10.37	7.43	2.54	2.94	3.35	3.35	5.57	176.13	31.20	6.71	14.58	
6	9.78	10.52	5.71	2.67	2.94	3.21	3.35	9.33	73.88	24.86	6.42	14.20	
7	21.98	13.82	6.56	2.94	2.81	3.08	4.30	42.51	39.15	21.03	6.28	14.58	
8	12.03	10.23	6.56	2.94	2.67	3.08	4.30	11.12	29.73	17.96	6.28	12.67	
9	10.08	8.30	5.14	2.81	2.54	3.48	3.89	9.63	25.10	16.13	6.28	13.62	
10	9.63	8.16	4.86	2.94	2.54	4.44	3.62	19.60	27.04	14.77	6.13	11.73	
11	9.48	10.23	4.72	2.94	2.41	4.30	3.48	33.67	23.42	13.82	5.99	10.97	
12	9.48	7.72	4.44	2.94	2.54	3.75	3.35	162.48	19.84	12.67	5.85	10.37	
13	13.05	6.85	4.30	2.94	2.15	3.48	3.21	45.55	17.72	12.03	5.71	10.08	
14	19.84	6.42	4.17	2.94	2.28	3.75	3.21	20.55	19.13	11.42	5.99	13.62	
15	16.79	5.85	4.03	2.94	2.41	3.48	3.08	17.49	16.32	11.12	7.14	17.02	
16	15.55	5.71	4.03	2.94	2.67	3.35	3.08	38.28	15.16	10.67	7.14	11.57	
17	10.97	5.71	3.75	2.94	2.54	3.35	3.35	80.71	29.73	10.37	18.90	10.37	
18	7.57	5.57	3.62	2.94	2.41	3.35	3.75	184.71	46.23	9.93	10.82	9.78	
19	7.72	5.57	4.30	3.08	2.54	3.35	3.48	81.24	26.80	9.63	7.57	11.27	
20	7.14	7.00	4.03	2.94	3.75	3.62	3.48	83.91	21.03	9.33	10.08	19.84	
21	7.00	7.28	4.03	2.81	4.03	3.21	3.35	34.17	17.72	9.04	16.13	16.79	
22	6.85	9.19	3.75	2.81	4.17	3.75	3.75	42.85	16.13	8.74	8.74	11.73	
23	6.71	7.14	3.62	2.67	3.35	3.75	4.58	39.15	14.77	8.60	7.43	10.82	
24	6.85	5.99	3.75	2.54	3.08	3.35	5.42	67.72	13.82	8.30	7.72	10.23	
25	6.85	5.28	3.35	2.81	3.08	3.21	4.44	34.91	12.48	8.16	24.62	9.48	
26	7.00	5.14	3.08	2.81	3.08	3.89	5.28	31.45	11.88	7.72	136.13	9.19	
27	7.72	4.44	3.08	2.54	3.08	3.48	6.13	31.69	11.27	7.57	255.94	8.60	
28	8.74	4.72	2.94	2.41	3.08	4.58	6.13	107.34	10.97	7.43	69.92	9.04	
29	7.14	4.44	2.94	2.41	3.08	3.89	4.30	237.58	10.67	7.28		9.63	
30	7.87	6.13	2.94	2.81	4.30	3.89	3.89	63.66	21.03	7.14		8.89	
31		5.85		2.94	4.44		11.73		21.74	7.14		8.30	
Total	308.87	241.71	130.01	86.76	92.67	107.09	129.61	1579.80	1244.55	667.13	677.03	412.78	5678.01 Tonday
Mean	10.30	7.80	4.33	2.80	2.99	3.57	4.18	52.66	40.15	21.52	24.18	13.32	15.56 Ton/day
Max	21.98	15.16	7.43	3.08	4.44	4.58	11.73	237.58	269.72	137.99	255.94	34.41	269.72 Ton/day
Min	6.71	4.44	2.94	2.41	2.15	3.08	3.08	5.57	10.67	7.14	5.71	8.30	2.15 Ton/day

WATER YEAR : 2021

THALE SAP SONGKHLA

Klong 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.		
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	2021		
Number of observation	14		
R-Square	0.8470		
Remarks	Continued Sediment Station		

$$QS = 3.1453 QW^{1.46130}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	14.16	30.00	9.96	11.30	48.48	14.91	8.04	9.96	153.29	347.11	15.66	337.82	
2	17.84	23.67	13.43	8.66	39.61	14.16	8.04	12.71	855.31	582.31	14.91	174.58	
3	20.11	15.66	12.00	7.42	20.11	11.30	7.42	16.74	1225.18	739.80	14.91	121.66	
4	9.96	13.43	11.30	6.83	14.91	9.30	8.04	23.67	582.31	855.31	17.84	91.52	
5	10.62	15.66	15.66	6.83	12.71	8.66	8.04	41.04	292.57	374.84	14.91	71.26	
6	10.62	16.74	12.71	6.83	10.62	8.04	8.04	62.81	162.31	233.87	14.16	67.84	
7	12.71	21.28	13.43	9.30	9.30	7.42	8.04	168.41	108.77	147.37	13.43	79.78	
8	14.16	20.11	12.00	9.30	8.66	7.42	4.61	71.26	82.09	111.32	15.66	61.16	
9	12.00	24.90	9.96	14.91	8.04	10.62	3.15	45.46	69.54	91.52	16.74	57.90	
10	12.00	16.74	9.96	51.56	7.42	18.97	3.15	51.56	61.16	72.99	14.91	57.90	
11	14.16	17.84	10.62	30.00	6.83	13.43	3.15	135.75	62.81	62.81	14.16	46.96	
12	20.11	14.91	10.62	17.84	6.83	10.62	2.27	369.24	62.81	54.70	13.43	41.04	
13	22.47	22.47	10.62	14.16	6.83	11.30	1.49	253.83	50.01	50.01	12.71	36.78	
14	14.91	15.66	10.62	22.47	6.83	9.96	0.82	121.66	42.50	42.50	14.16	46.96	
15	15.66	12.71	9.30	28.70	7.42	9.96	0.30	71.26	38.18	38.18	22.47	106.25	
16	18.97	20.11	8.66	18.97	7.42	9.96	3.62	61.16	35.39	35.39	41.04	57.90	
17	15.66	35.39	9.96	14.91	8.66	8.66	5.69	144.44	43.97	34.01	283.77	43.97	
18	13.43	18.97	23.67	12.71	7.42	9.96	6.25	342.46	116.45	31.32	153.29	38.18	
19	12.00	14.91	14.91	12.00	6.83	9.30	5.69	438.16	82.09	28.70	62.81	38.18	
20	12.71	14.16	12.00	10.62	12.71	8.04	8.66	222.14	91.52	27.41	50.01	51.56	
21	14.91	12.00	10.62	9.96	14.16	8.66	5.69	98.80	86.76	26.15	72.99	84.41	
22	24.90	12.71	9.30	9.96	22.47	9.96	6.25	69.54	66.15	26.15	43.97	51.56	
23	45.46	12.71	8.66	8.66	13.43	9.96	8.04	64.47	50.01	23.67	34.01	48.48	
24	36.78	11.30	8.04	7.42	10.62	8.04	10.62	206.81	61.16	20.11	39.61	171.48	
25	17.84	10.62	8.04	7.42	9.96	8.04	32.66	218.28	48.48	20.11	210.61	75.23	
26	18.97	11.30	7.42	6.83	9.96	8.04	14.16	171.48	39.61	20.11	723.36	64.47	
27	14.16	10.62	7.42	6.25	10.62	8.04	5.69	156.28	34.01	17.84	2367.04	46.96	
28	14.16	12.00	7.42	6.25	10.62	8.66	14.16	174.58	28.70	16.74	969.24	38.18	
29	16.74	9.96	6.83	6.25	11.30	10.62	11.30	548.00	28.70	15.66		36.78	
30	23.67	9.30	9.30	6.83	32.66	8.04	11.30	347.11	229.94	15.66		28.70	
31		9.30		7.42	23.67		11.30		253.83	16.74		36.78	
Total	521.85	507.14	324.44	398.57	427.11	300.05	235.68	4719.07	5145.61	4180.41	5281.81	2312.23	24353.97 Tonday
Mean	17.39	16.36	10.81	12.86	13.78	10.00	7.60	157.30	165.99	134.85	188.64	74.59	66.72 Ton/day
Max	45.46	35.39	23.67	51.56	48.48	18.97	32.66	548.00	1225.18	855.31	2367.04	337.82	2367.04 Ton/day
Min	9.96	9.30	6.83	6.25	6.83	7.42	0.30	9.96	28.70	15.66	12.71	28.70	0.30 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	14		
R-Square	0.8903		
Remarks	Continued Sediment Station		

$$QS = 5.4050 QW^{1.28740}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.80	4.58	5.41	1.66	10.70	2.80	4.85	10.70	184.17	21.76	7.20	43.47	
2	3.29	4.85	4.85	1.66	6.47	2.80	4.58	12.35	564.55	22.71	6.83	28.12	
3	3.04	4.85	3.80	1.45	4.85	3.54	4.06	10.70	106.79	32.20	7.20	23.68	
4	3.29	4.32	3.29	1.45	5.41	3.29	4.85	17.13	64.37	27.12	7.95	21.29	
5	3.04	3.54	3.04	1.45	4.85	2.56	6.11	21.29	35.34	25.14	7.20	19.41	
6	4.32	3.80	3.04	1.45	3.80	2.33	4.58	98.73	28.12	21.76	6.83	20.35	
7	7.58	4.06	2.80	1.66	3.04	1.88	5.76	60.76	25.14	18.95	6.47	18.49	
8	4.58	3.54	2.80	1.66	2.56	1.66	18.95	23.68	22.71	16.68	6.47	18.49	
9	3.54	3.54	2.56	3.80	2.56	6.11	16.24	25.14	20.81	15.79	6.47	16.68	
10	3.29	3.29	2.33	9.90	4.32	6.47	10.70	26.12	21.29	14.05	6.47	15.35	
11	3.04	3.04	2.80	8.34	5.76	4.58	8.72	31.69	18.49	13.19	6.11	14.48	
12	3.04	3.29	3.04	4.85	5.76	3.80	7.20	119.13	17.13	12.35	6.11	13.19	
13	2.80	5.41	3.29	3.54	4.58	4.32	6.47	79.24	15.79	11.52	5.76	12.77	
14	8.72	3.80	4.58	2.80	4.06	6.83	5.76	31.69	14.92	10.70	6.83	20.35	
15	9.50	3.29	4.85	3.54	3.54	10.30	5.13	26.12	14.05	10.30	15.35	17.58	
16	8.72	4.32	3.80	3.04	5.76	6.83	4.85	23.19	13.19	9.90	30.14	14.48	
17	5.76	5.41	3.04	2.56	15.35	5.76	5.13	40.18	13.62	9.50	40.18	13.19	
18	8.34	3.80	2.80	2.10	14.92	5.41	5.41	117.05	13.19	9.11	22.71	12.35	
19	5.13	3.29	2.80	2.10	10.30	4.32	4.58	38.55	16.24	8.72	20.81	13.19	
20	4.58	4.32	2.33	1.66	8.72	4.06	9.50	26.62	14.48	8.34	15.79	19.88	
21	4.58	3.80	2.33	1.45	6.47	4.32	7.58	22.71	13.19	8.34	13.62	20.81	
22	3.80	3.80	2.10	1.45	5.41	5.13	8.34	22.24	12.35	7.95	11.52	15.79	
23	3.54	4.85	1.88	1.45	4.85	6.47	19.88	24.16	11.52	7.58	10.70	15.35	
24	4.06	4.32	1.66	1.45	4.06	4.58	21.29	36.94	11.11	7.58	29.13	16.24	
25	3.80	3.29	1.66	1.45	4.06	4.06	27.62	48.52	10.30	7.20	43.47	15.79	
26	5.13	3.54	1.66	1.45	4.58	4.85	21.76	31.17	9.90	7.20	247.51	15.79	
27	9.11	3.29	1.66	1.45	4.85	4.85	69.86	26.12	9.50	6.83	254.06	14.92	
28	5.76	3.54	1.66	1.66	4.06	4.58	24.16	25.63	9.50	6.47	108.82	13.19	
29	6.11	3.29	1.66	2.80	3.54	7.20	16.24	144.68	10.30	6.83		11.93	
30	4.85	3.54	1.66	4.32	3.04	5.76	13.19	62.56	16.68	9.50		12.35	
31		3.80		3.29	3.04		12.35		48.52	7.95		11.93	
Total	150.14	121.40	85.18	82.89	175.27	141.45	385.70	1284.79	1387.26	403.22	957.71	540.88	5715.89 Tonday
Mean	5.00	3.92	2.84	2.67	5.65	4.71	12.44	42.83	44.75	13.01	34.20	17.45	15.66 Ton/day
Max	9.50	5.41	5.41	9.90	15.35	10.30	69.86	144.68	564.55	32.20	254.06	43.47	564.55 Ton/day
Min	2.80	3.04	1.66	1.45	2.56	1.66	4.06	10.70	9.50	6.47	5.76	11.93	1.45 Ton/day

WATER YEAR : 2021**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
Drainge 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	2021		
Number of observation	23		
R-Square	0.7056		
Remarks	Continued Sediment Station		

$$QS = 0.0409 QW^{2.01750}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	465.05	684.23	649.07	834.21	525.56	925.17	510.08	557.21	640.43	1500.44	176.78	10397.26	
2	502.43	623.32	748.00	899.42	387.95	415.17	323.96	814.65	1451.23	886.69	209.70	2625.78	
3	479.83	408.28	684.23	951.27	525.56	265.78	311.86	657.77	2948.92	804.95	222.78	1115.61	
4	457.75	549.21	657.77	912.25	589.80	218.37	288.35	541.27	2020.78	693.16	387.95	623.32	
5	479.83	657.77	1386.90	666.53	525.56	205.43	218.37	342.54	1073.29	693.16	282.62	738.72	
6	472.41	720.32	1635.72	964.46	631.84	197.02	342.54	342.54	711.21	649.07	254.84	711.21	
7	436.20	925.17	834.21	1018.14	766.75	168.99	361.65	581.56	502.43	533.39	245.46	776.21	
8	408.28	874.05	864.00	834.21	720.32	176.78	436.20	381.29	381.29	472.41	245.46	1031.79	
9	381.29	675.35	844.08	874.05	675.35	188.79	479.83	368.14	323.96	394.67	415.17	834.21	
10	368.14	517.79	824.40	1115.61	766.75	201.21	541.27	368.14	254.84	443.33	502.43	757.35	
11	342.54	589.80	702.16	1059.37	766.75	192.89	361.65	525.56	260.28	479.83	299.99	844.08	
12	336.29	640.43	693.16	640.43	684.23	236.25	450.51	738.72	231.72	479.83	245.46	1187.99	
13	330.10	1550.48	631.84	951.27	401.44	245.46	436.20	640.43	218.37	355.23	222.78	1087.31	
14	323.96	1202.74	436.20	1018.14	443.33	227.22	271.33	381.29	188.79	342.54	201.21	738.72	
15	374.68	844.08	598.09	964.46	502.43	192.89	443.33	282.62	168.99	288.35	209.70	748.00	
16	368.14	1187.99	675.35	1101.41	408.28	240.83	581.56	381.29	176.78	271.33	205.43	702.16	
17	323.96	925.17	693.16	964.46	415.17	265.78	666.53	443.33	1031.79	265.78	218.37	649.07	
18	311.86	834.21	874.05	785.73	387.95	231.72	549.21	1618.48	9761.86	260.28	222.78	666.53	
19	311.86	824.40	824.40	422.12	415.17	250.12	785.73	1758.92	7827.72	276.95	374.68	804.95	
20	305.89	854.01	912.25	517.79	387.95	222.78	1059.37	1158.76	2654.38	265.78	222.78	1247.54	
21	387.95	729.49	844.08	598.09	581.56	227.22	766.75	675.35	991.12	250.12	214.02	1386.90	
22	436.20	1101.41	864.00	565.27	565.27	201.21	649.07	450.51	874.05	245.46	205.43	834.21	
23	487.31	938.17	776.21	589.80	323.96	184.75	429.13	479.83	729.49	231.72	180.74	1158.76	
24	502.43	720.32	711.21	589.80	336.29	184.75	776.21	874.05	684.23	209.70	129.32	2597.34	
25	401.44	711.21	640.43	573.39	311.86	197.02	824.40	874.05	589.80	192.89	549.21	2294.82	
26	311.86	711.21	738.72	387.95	305.89	222.78	834.21	631.84	487.31	188.79	11533.53	2193.50	
27	422.12	720.32	711.21	355.23	348.86	222.78	814.65	533.39	422.12	214.02	29106.16	1741.04	
28	693.16	614.85	844.08	361.65	348.86	265.78	795.31	408.28	361.65	218.37	27534.12	1517.03	
29	711.21	666.53	964.46	368.14	387.95	294.14	991.12	631.84	254.84	222.78		1217.58	
30	720.32	598.09	757.35	510.08	276.95	525.56	938.17	711.21	631.84	192.89		1115.61	
31		457.75		494.84	991.12		684.23		3164.40	184.75		964.46	
Total	12854.49	24058.15	24020.79	22889.57	15706.71	7794.64	17922.78	19154.86	42019.91	12708.66	74818.90	45309.06	319258.52 Tonday
Mean	428.48	776.07	800.69	738.37	506.67	259.82	578.15	638.50	1355.48	409.96	2672.10	1461.58	874.68 Ton/day
Max	720.32	1550.48	1635.72	1115.61	991.12	925.17	1059.37	1758.92	9761.86	1500.44	29106.16	10397.26	29106.16 Ton/day
Min	305.89	408.28	436.20	355.23	276.95	168.99	218.37	282.62	168.99	184.75	129.32	623.32	129.32 Ton/day

WATER YEAR : 2021**Peninsula-Lower East Coast****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
Drainge 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	2021		
Number of observation	21		
R-Square	0.8122		
Remarks	Continued Sediment Station		

$$QS = 0.1467 QW^{2.00630}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	738.33	1795.22	465.13	1865.29	86.93	1333.88	825.41	270.03	1115.87	5222.50	194.46	33114.08	
2	682.30	576.90	1039.15	628.49	86.93	1014.18	312.47	221.35	26015.52	5021.24	179.59	12919.16	
3	301.57	358.02	825.41	435.41	77.09	941.11	249.98	249.98	21083.59	7534.46	172.37	8285.09	
4	290.86	290.86	989.52	1480.04	72.40	450.15	194.46	230.70	5707.51	5850.05	179.59	5921.99	
5	312.47	290.86	1222.44	738.33	64.69	312.47	511.55	179.59	3338.60	4348.09	270.03	4577.64	
6	221.35	465.13	1940.13	1039.15	57.42	249.98	186.95	186.95	2378.18	3338.60	323.57	4014.88	
7	158.39	1420.66	664.12	560.19	50.59	203.23	151.62	593.85	1795.22	2815.19	301.57	3338.60	
8	186.95	611.05	450.15	406.68	61.00	179.59	132.20	221.35	1420.66	2462.62	450.15	2635.95	
9	145.00	323.57	420.92	394.22	212.19	165.31	102.79	369.89	1222.44	2173.53	1571.39	2420.22	
10	114.11	249.98	450.15	611.05	420.92	151.62	92.07	738.33	1480.04	1762.33	394.22	2173.53	
11	102.79	480.36	346.34	738.33	212.19	138.52	81.94	2094.25	1333.88	1510.18	290.86	1665.49	
12	132.20	1014.18	280.35	394.22	151.62	172.37	72.40	1195.34	917.36	1333.88	230.70	1420.66	
13	138.52	738.33	270.03	334.86	381.96	203.23	68.49	2815.19	781.26	1168.55	221.35	1305.56	
14	323.57	381.96	394.22	450.15	1064.42	126.02	64.69	989.52	870.78	1039.15	203.23	1697.47	
15	511.55	358.02	301.57	323.57	511.55	114.11	77.09	1902.53	1115.87	917.36	240.24	1115.87	
16	158.39	917.36	240.24	346.34	738.33	132.20	917.36	1420.66	1195.34	825.41	450.15	965.16	
17	108.38	965.16	435.41	249.98	346.34	290.86	290.86	3000.35	27449.58	759.64	495.83	965.16	
18	132.20	664.12	738.33	212.19	212.19	259.91	369.89	6437.86	44061.99	700.73	290.86	1089.99	
19	323.57	435.41	847.94	186.95	194.46	145.00	145.00	2378.18	48357.68	611.05	511.55	870.78	
20	203.23	781.26	2420.22	172.37	240.24	172.37	301.57	1940.13	13151.39	543.73	290.86	1305.56	
21	203.23	480.36	2592.07	158.39	435.41	114.11	301.57	1480.04	6140.43	495.83	301.57	1420.66	
22	917.36	759.64	759.64	145.00	646.18	132.20	158.39	1064.42	4823.96	450.15	203.23	1902.53	
23	700.73	480.36	450.15	172.37	230.70	108.38	186.95	825.41	4291.63	406.68	230.70	4519.70	
24	358.02	312.47	369.89	151.62	165.31	81.94	1168.55	2548.55	3540.03	394.22	1665.49	4694.64	
25	240.24	249.98	301.57	132.20	158.39	81.94	280.35	1249.84	2378.18	346.34	84201.80	6214.13	
26	240.24	240.24	280.35	114.11	240.24	97.36	186.95	1089.99	1940.13	323.57	633245.77	4404.93	
27	576.90	259.91	803.18	102.79	893.92	249.98	179.59	893.92	1633.82	290.86	481987.39	2094.25	
28	870.78	280.35	1510.18	97.36	450.15	480.36	312.47	1450.20	1391.43	259.91	165226.07	1633.82	
29	989.52	527.52	1277.55	86.93	394.22	230.70	1510.18	2462.62	1277.55	240.24		1249.84	
30	646.18	646.18	759.64	86.93	576.90	290.86	682.30	1277.55	19065.54	221.35		1089.99	
31		682.30		81.94	3143.10		495.83		28975.56	203.23		1249.84	
Total	11028.93	18037.72	23845.99	12897.45	12577.98	8623.94	10611.92	41778.57	280251.02	53570.67	1374324.59	122277.17	1969825.95 Tonday
Mean	367.63	581.86	794.87	416.05	405.74	287.46	342.32	1392.62	9040.36	1728.09	49083.02	3944.42	5396.78 Ton/day
Max	989.52	1795.22	2592.07	1865.29	3143.10	1333.88	1510.18	6437.86	48357.68	7534.46	633245.77	33114.08	633245.77 Ton/day
Min	102.79	240.24	240.24	81.94	50.59	81.94	64.69	179.59	781.26	203.23	172.37	870.78	50.59 Ton/day

WATER YEAR : 2021

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
Drainge 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	2021		
Number of observation	26		
R-Square	0.9238		
Remarks	Continued Sediment Station		

$$QS = 1.1636 QW^{1.95050}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	148.17	80.91	134.06	2054.41	35.88	77.36	155.48	43.48	220.12	3137.34	11.25	4046.58	
2	95.88	73.89	120.64	202.93	33.51	77.36	112.08	24.81	7575.90	1951.62	9.92	2054.41	
3	77.36	67.19	103.83	148.17	33.51	70.50	103.83	19.12	2002.69	1009.81	9.92	1389.00	
4	60.79	63.95	134.06	381.96	31.21	63.95	99.81	17.38	659.43	1520.93	8.67	1084.75	
5	51.78	63.95	112.08	129.51	29.00	54.71	92.02	14.15	247.17	1009.81	17.38	867.79	
6	48.93	57.71	92.02	116.32	26.86	46.17	88.24	12.66	148.17	466.29	26.86	659.43	
7	46.17	54.71	84.54	112.08	26.86	38.33	88.24	12.66	148.17	316.21	31.21	504.94	
8	63.95	54.71	70.50	103.83	26.86	35.88	80.91	12.66	138.68	359.37	674.47	381.96	
9	31.21	54.71	67.19	107.91	26.86	33.51	77.36	11.25	125.04	228.97	1242.46	316.21	
10	24.81	51.78	67.19	155.48	107.91	33.51	67.19	316.21	112.08	194.60	112.08	256.52	
11	22.83	51.78	60.79	120.64	572.67	33.51	67.19	266.05	95.88	162.96	60.79	211.44	
12	20.93	95.88	60.79	107.91	134.06	33.51	63.95	92.02	80.91	143.39	43.48	194.60	
13	17.38	57.71	57.71	125.04	326.75	31.21	60.79	155.48	70.50	125.04	38.33	202.93	
14	17.38	48.93	48.93	162.96	417.10	31.21	57.71	88.24	95.88	107.91	63.95	202.93	
15	17.38	67.19	46.17	99.81	305.84	31.21	67.19	453.74	295.64	92.02	70.50	194.60	
16	15.73	348.33	46.17	88.24	405.22	31.21	155.48	453.74	558.79	80.91	129.51	194.60	
17	15.73	247.17	46.17	88.24	129.51	31.21	129.51	1084.75	22469.81	70.50	57.71	194.60	
18	15.73	228.97	40.87	84.54	103.83	29.00	129.51	2969.02	51139.76	60.79	38.33	194.60	
19	15.73	186.43	38.33	84.54	103.83	31.21	116.32	720.57	16658.93	51.78	46.17	211.44	
20	12.66	1589.08	38.33	77.36	99.81	29.00	103.83	1367.58	1951.62	46.17	51.78	381.96	
21	77.36	441.36	33.51	67.19	95.88	17.38	107.91	237.98	1046.96	38.33	107.91	572.67	
22	148.17	919.82	40.87	60.79	88.24	9.92	95.88	120.64	720.57	33.51	31.21	504.94	
23	228.97	120.64	33.51	60.79	67.19	9.92	186.43	51.78	491.89	31.21	112.08	674.47	
24	80.91	107.91	31.21	57.71	40.87	8.67	186.43	116.32	405.22	29.00	705.04	220.12	
25	80.91	112.08	31.21	54.71	24.81	8.67	116.32	73.89	316.21	26.86	43236.80	558.79	
26	148.17	103.83	31.21	48.93	70.50	43.48	103.83	57.71	202.93	24.81	80097.34	155.48	
27	937.49	103.83	35.88	46.17	186.43	316.21	38.33	54.71	170.61	19.12	80718.88	393.50	
28	674.47	103.83	615.31	35.88	120.64	194.60	17.38	57.71	148.17	17.38	24749.66	194.60	
29	600.93	92.02	1520.93	26.86	99.81	1454.23	1046.96	99.81	138.68	15.73		178.44	
30	143.39	129.51	884.97	15.73	84.54	285.61	103.83	60.79	9228.01	14.15		134.06	
31		162.96		35.88	77.36		77.36		16997.30	12.66		112.08	
Total	3941.30	5942.77	4728.98	5062.52	3933.35	3192.25	3997.30	9066.91	134661.72	11399.18	232503.69	17444.44	435874.41 Tonday
Mean	131.38	191.70	157.63	163.31	126.88	106.41	128.95	302.23	4343.93	367.72	8303.70	562.72	1194.18 Ton/day
Max	937.49	1589.08	1520.93	2054.41	572.67	1454.23	1046.96	2969.02	51139.76	3137.34	80718.88	4046.58	80718.88 Ton/day
Min	12.66	48.93	31.21	15.73	24.81	8.67	17.38	11.25	70.50	12.66	8.67	112.08	8.67 Ton/day

WATER YEAR : 2021**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	2021		
Number of observation	15		
R-Square	0.7318		
Remarks	Continued Sediment Station		

QS = 1.5798 QW^{1.50700}**Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022**

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	22.05	272.55	339.70	50.77	370.61	425.66	2045.82	782.30	6584.92	344.06	52.69	1495.84	
2	22.05	214.27	402.41	52.69	584.46	384.13	1424.78	936.79	6965.98	264.51	43.32	782.30	
3	19.23	203.19	293.00	137.82	425.66	558.55	548.30	888.26	6965.98	221.77	39.74	435.09	
4	16.53	240.88	229.35	154.19	375.10	379.61	318.18	675.47	6475.15	210.56	39.74	313.94	
5	13.98	164.31	237.02	71.06	348.44	252.60	637.46	648.24	5619.65	221.77	45.14	272.55	
6	13.98	119.01	293.00	478.34	335.36	188.73	584.46	664.53	4326.33	240.88	41.52	264.51	
7	12.76	95.42	244.77	533.04	297.15	164.31	725.41	2679.94	2679.94	218.01	41.52	240.88	
8	11.81	95.42	185.17	331.04	199.54	147.57	1145.92	4724.81	1597.26	178.13	37.99	214.27	
9	11.81	98.27	160.91	703.07	157.54	411.66	1560.78	4411.95	1205.37	147.57	34.58	214.27	
10	11.81	137.82	150.87	2975.73	128.30	1899.07	1252.31	2518.91	1023.78	134.62	39.74	214.27	
11	11.81	160.91	203.19	3572.09	240.88	1700.89	793.85	1791.44	1139.38	125.18	37.99	171.17	
12	10.89	107.00	248.67	2350.13	594.94	680.96	543.19	3495.55	1139.38	119.01	34.58	137.82	
13	9.99	71.06	361.69	1106.85	502.95	430.37	449.35	5519.31	840.61	112.95	31.27	119.01	
14	98.27	58.61	553.41	568.87	357.25	366.14	493.06	6612.46	675.47	101.15	31.27	107.00	
15	326.73	66.82	411.66	605.48	379.61	379.61	493.06	6838.16	589.69	95.42	36.27	104.06	
16	199.54	164.31	288.87	924.58	558.55	352.84	348.44	6612.46	527.98	89.80	150.87	95.42	
17	115.97	82.04	244.77	517.92	1119.82	256.55	313.94	6072.89	483.23	82.04	900.31	84.30	
18	137.82	107.00	210.56	318.18	2035.22	195.92	680.96	5519.31	454.14	75.39	1192.07	75.39	
19	522.94	128.30	178.13	244.77	2656.73	568.87	1218.72	5482.31	449.35	73.22	498.00	71.06	
20	264.51	77.59	144.30	206.86	1503.01	1424.78	1531.80	5408.54	439.82	77.59	309.71	164.31	
21	181.64	71.06	137.82	181.64	1132.85	1626.64	906.36	4515.43	397.82	71.06	272.55	912.42	
22	157.54	71.06	134.62	167.73	1930.21	1539.03	548.30	3024.02	370.61	79.80	393.24	719.81	
23	137.82	109.96	109.96	141.05	1648.80	1481.53	811.28	1888.73	344.06	87.03	233.17	753.68	
24	214.27	199.54	141.05	107.00	882.26	1100.38	1361.83	1604.59	344.06	64.74	160.91	1165.62	
25	214.27	150.87	112.95	87.03	714.21	653.66	2879.95	2056.44	301.32	58.61	128.30	870.29	
26	134.62	87.03	89.80	68.93	776.54	468.61	4394.78	3533.75	272.55	54.64	195.92	834.71	
27	160.91	150.87	77.59	68.93	708.63	553.41	4309.27	4724.81	252.60	50.77	822.97	834.71	
28	388.68	852.44	66.82	71.06	653.66	563.70	3121.37	5116.87	229.35	48.87	1678.50	449.35	
29	483.23	1252.31	62.67	87.03	533.04	1582.63	1582.63	5243.81	214.27	46.99		449.35	
30	393.24	616.08	54.64	112.95	393.24	2152.87	876.26	6049.94	206.86	45.14		379.61	
31		366.14		150.87	425.66		918.49		331.04	43.32		357.25	
Total	4320.70	6592.14	6369.37	17147.70	22970.22	22891.28	38820.31	110042.02	53447.95	3784.60	7523.88	13304.26	307214.43 Tonday
Mean	144.02	212.65	212.31	553.15	740.97	763.04	1252.27	3668.07	1724.13	122.08	268.71	429.17	841.68 Ton/day
Max	522.94	1252.31	553.41	3572.09	2656.73	2152.87	4394.78	6838.16	6965.98	344.06	1678.50	1495.84	6965.98 Ton/day
Min	9.99	58.61	54.64	50.77	128.30	147.57	313.94	648.24	206.86	43.32	31.27	71.06	9.99 Ton/day

WATER YEAR : 2021

SOUTHERN PENINSULA WEST COAST

Khleng 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	2021		
Number of observation	15		
R-Square	0.8778		
Remarks	Continued Sediment Station		

$$QS = 1.6864 QW^{1.75920}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.79	38.29	16.45	0.50	409.71	22.85	162.09	76.58	435.45	61.16	10.00	188.49	
2	0.34	25.66	17.66	0.50	103.78	21.50	72.03	81.26	4425.44	51.07	9.06	103.78	
3	0.41	13.05	10.98	0.41	53.03	22.85	51.07	81.26	1002.47	96.01	7.30	74.29	
4	0.20	14.15	7.30	2.50	51.07	22.85	51.07	61.16	566.84	65.41	10.00	55.01	
5	0.34	10.00	7.30	0.79	36.59	16.45	109.11	98.57	342.45	57.03	9.06	47.26	
6	0.20	5.71	6.48	238.76	24.24	13.05	51.07	65.41	246.36	45.40	7.30	43.57	
7	0.15	5.71	4.29	101.16	17.66	10.98	67.59	2385.98	198.83	36.59	7.30	55.01	
8	0.10	3.65	3.65	28.61	13.05	10.00	696.84	188.49	165.30	30.14	5.71	36.59	
9	0.10	3.05	2.50	175.08	10.00	88.51	442.00	131.54	143.43	28.61	8.16	36.59	
10	0.10	2.50	2.50	281.81	18.90	149.54	175.08	120.10	125.76	25.66	8.16	28.61	
11	0.10	1.54	3.05	205.86	67.59	57.03	98.57	120.10	122.92	24.24	8.16	24.24	
12	0.10	1.14	4.29	101.16	81.26	34.93	67.59	611.40	103.78	25.66	6.48	21.50	
13	0.10	5.71	5.71	43.57	38.29	55.01	53.03	944.81	90.98	17.66	4.98	18.90	
14	5.71	3.05	9.06	36.59	61.16	49.15	41.78	416.09	86.06	18.90	5.71	17.66	
15	1.54	15.28	9.06	40.02	43.57	212.99	33.30	254.06	76.58	17.66	13.05	43.57	
16	21.50	27.12	5.71	28.61	31.70	81.26	27.12	191.91	67.59	16.45	101.16	20.18	
17	24.24	25.66	10.00	20.18	162.09	51.07	31.70	212.99	61.16	14.15	212.99	15.28	
18	7.30	18.90	5.71	15.28	801.86	40.02	38.29	482.12	63.27	13.05	38.29	13.05	
19	4.29	21.50	3.05	13.05	158.91	41.78	25.66	488.95	67.59	10.98	31.70	14.15	
20	2.50	49.15	1.99	10.98	81.26	78.91	254.06	246.36	67.59	10.98	25.66	47.26	
21	3.05	43.57	3.65	9.06	76.58	61.16	109.11	171.79	57.03	10.98	40.02	88.51	
22	4.29	51.07	3.05	7.30	128.64	106.43	55.01	137.43	51.07	11.99	16.45	30.14	
23	6.48	33.30	1.14	6.48	72.03	181.73	185.10	178.39	49.15	11.99	10.98	25.66	
24	11.99	20.18	0.79	5.71	47.26	78.91	574.16	296.83	47.26	10.00	11.99	22.85	
25	3.05	11.99	1.54	10.98	38.29	57.03	704.85	231.27	47.26	10.00	165.30	24.24	
26	4.29	11.99	1.14	6.48	47.26	69.79	626.57	223.88	38.29	9.06	109.11	212.99	
27	47.26	17.66	1.14	5.71	137.43	55.01	265.80	168.53	40.02	8.16	1325.72	72.03	
28	27.12	57.03	0.79	4.98	65.41	69.79	688.88	175.08	38.29	8.16	502.74	67.59	
29	122.92	24.24	0.50	21.50	41.78	313.61	181.73	1061.60	38.29	9.06		41.78	
30	49.15	15.28	0.50	28.61	33.30	109.11	117.31	1479.58	38.29	16.45		47.26	
31		14.15		34.93	33.30		93.48		122.92	16.45		61.16	
Total	349.71	591.28	150.98	1487.16	2987.00	2183.30	6151.05	11383.52	9027.72	789.11	2712.54	1599.20	39412.57 Tonday
Mean	11.66	19.07	5.03	47.97	96.35	72.78	198.42	379.45	291.22	25.46	96.88	51.59	107.98 Ton/day
Max	122.92	57.03	17.66	281.81	801.86	313.61	704.85	2385.98	4425.44	96.01	1325.72	212.99	4425.44 Ton/day
Min	0.10	1.14	0.50	0.41	10.00	10.00	25.66	61.16	38.29	8.16	4.98	13.05	0.10 Ton/day

WATER YEAR : 2021

SOUTHERN PENINSULA WEST COAST

Khlóng 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	2021		
Number of observation	11		
R-Square	0.7334		
Remarks	Continued Sediment Station		

$$QS = 2.3940 QW^{1.56350}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	11.31	74.32	78.23	98.83	1706.72	59.42	280.56	90.38	187.19	104.61	18.20	53.57	
2	15.19	53.57	80.87	63.03	198.11	131.27	160.89	163.46	765.50	100.26	16.97	43.61	
3	20.10	32.09	69.22	82.21	113.50	79.54	115.01	107.55	265.09	101.70	20.10	35.39	
4	30.58	29.83	52.43	61.82	116.53	59.42	98.83	83.55	179.15	86.26	19.46	31.33	
5	22.74	29.83	52.43	83.55	98.83	51.29	118.05	98.83	140.90	71.75	16.37	31.33	
6	16.97	31.33	57.05	516.48	82.21	45.76	158.34	187.19	121.11	60.61	15.19	40.46	
7	17.58	28.36	80.87	516.48	63.03	55.88	286.84	280.56	110.51	52.43	14.61	39.42	
8	14.04	29.09	74.32	184.50	59.42	67.96	365.97	90.38	100.26	47.95	21.41	29.83	
9	10.79	32.09	53.57	383.31	55.88	393.86	143.35	98.83	90.38	42.55	16.37	38.40	
10	7.87	29.09	101.70	847.81	64.25	359.11	128.90	101.70	87.62	39.42	15.78	29.09	
11	6.97	26.91	86.26	296.35	115.01	119.58	107.55	115.01	82.21	37.39	14.61	26.20	
12	7.41	31.33	75.61	145.81	95.98	93.17	97.40	200.88	76.91	32.86	13.48	24.10	
13	20.75	50.17	73.03	115.01	64.25	116.53	89.00	179.15	69.22	32.09	12.92	22.74	
14	46.85	29.83	80.87	104.61	57.05	140.90	78.23	155.80	66.72	30.58	17.58	25.49	
15	17.58	25.49	69.22	103.15	58.23	136.05	74.32	95.98	64.25	29.83	31.33	31.33	
16	24.10	58.23	50.17	75.61	63.03	84.90	67.96	104.61	59.42	28.36	22.74	22.74	
17	26.20	52.43	52.43	61.82	61.82	115.01	64.25	118.05	60.61	27.63	31.33	21.41	
18	22.07	76.91	46.85	55.88	57.05	121.11	63.03	411.66	59.42	26.20	22.74	20.10	
19	29.09	131.27	34.41	54.72	75.61	100.26	98.83	422.48	54.72	24.79	17.58	20.75	
20	12.38	75.61	57.05	49.05	83.55	166.04	612.96	699.25	52.43	24.10	15.78	28.36	
21	20.10	89.00	67.96	43.61	69.22	195.36	106.07	390.33	51.29	23.42	14.04	22.07	
22	43.61	116.53	42.55	40.46	65.48	328.84	74.32	246.95	50.17	22.74	14.04	19.46	
23	66.72	93.17	42.55	36.39	64.25	200.88	90.38	187.19	46.85	21.41	13.48	21.41	
24	91.77	90.38	43.61	29.83	65.48	116.53	290.00	355.70	44.68	20.75	15.78	30.58	
25	57.05	52.43	49.05	31.33	66.72	104.61	365.97	187.19	41.50	20.10	29.09	52.43	
26	44.68	66.72	44.68	35.39	84.90	109.02	94.57	116.53	38.40	18.83	200.88	128.90	
27	53.57	97.40	38.40	37.39	67.96	110.51	115.01	128.90	37.39	18.20	558.62	89.00	
28	75.61	255.96	83.55	37.39	59.42	198.11	122.66	138.47	36.39	17.58	82.21	41.50	
29	70.48	78.23	103.15	37.39	54.72	640.80	83.55	271.24	34.41	16.97		47.95	
30	67.96	65.48	101.70	84.90	50.17	404.51	126.54	126.54	100.26	20.10		37.39	
31		63.03		112.00	53.57		110.51		66.72	24.10		103.15	
Total	972.12	1996.11	1943.79	4426.11	3991.95	4906.23	4789.85	5954.34	3241.68	1225.57	1302.69	1209.49	35959.93 Tonday
Mean	32.40	64.39	64.79	142.78	128.77	163.54	154.51	198.48	104.57	39.53	46.52	39.02	98.52 Ton/day
Max	91.77	255.96	103.15	847.81	1706.72	640.80	612.96	699.25	765.50	104.61	558.62	128.90	1706.72 Ton/day
Min	6.97	25.49	34.41	29.83	50.17	45.76	63.03	83.55	34.41	16.97	12.92	19.46	6.97 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	12		
R-Square	0.7615		
Remarks	Continued Sediment Station		

$$QS = 1.5844 QW^{2.45410}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	15.01	82.26	34.28	47.58	293.86	187.85	338.66	15.01	648.86	156.62	12.23	82.26	
2	9.79	82.26	36.74	39.29	156.62	293.86	194.51	9.79	1842.99	268.77	12.23	82.26	
3	8.16	70.67	39.29	31.93	86.36	134.01	150.77	8.16	569.57	181.34	12.23	41.95	
4	8.16	47.58	47.58	31.93	82.26	94.91	181.34	8.16	520.08	181.34	15.01	31.93	
5	8.16	39.29	56.81	34.28	74.42	118.41	3262.18	8.16	407.81	123.48	18.13	34.28	
6	8.68	41.95	56.81	34.28	70.67	74.42	924.47	8.68	338.66	113.46	19.83	53.63	
7	12.23	47.58	53.63	108.64	293.86	63.52	1693.84	12.23	285.35	103.94	16.53	50.55	
8	8.68	39.29	53.63	44.71	156.62	74.42	1586.84	8.68	252.77	99.36	15.01	36.74	
9	8.68	39.29	50.55	63.52	86.36	8442.09	428.98	8.68	222.51	99.36	15.01	36.74	
10	8.68	31.93	50.55	86.36	82.26	2380.20	244.99	8.68	208.23	94.91	13.58	34.28	
11	8.16	27.51	47.58	60.11	74.42	428.98	187.85	8.16	194.51	90.58	13.58	34.28	
12	8.16	27.51	47.58	56.81	70.67	237.36	162.60	8.16	194.51	86.36	15.01	36.74	
13	29.67	31.93	41.95	41.95	63.52	569.57	123.48	29.67	174.95	74.42	16.53	39.29	
14	63.52	27.51	39.29	27.51	56.81	484.70	118.41	63.52	168.71	74.42	19.83	39.29	
15	50.55	27.51	70.67	63.52	67.04	229.86	103.94	50.55	156.62	74.42	39.29	36.74	
16	36.74	36.74	50.55	78.28	70.67	162.60	103.94	36.74	145.05	70.67	18.13	34.28	
17	23.48	44.71	36.74	86.36	113.46	134.01	94.91	23.48	162.60	70.67	338.66	31.93	
18	41.95	29.67	34.28	74.42	156.62	123.48	86.36	41.95	174.95	67.04	23.48	29.67	
19	18.13	31.93	63.52	56.81	208.23	285.35	123.48	18.13	150.77	67.04	16.53	31.93	
20	36.74	50.55	34.28	50.55	1259.58	134.01	496.33	36.74	134.01	67.04	16.53	31.93	
21	27.51	50.55	63.52	44.71	582.36	134.01	128.68	27.51	99.36	50.55	18.13	94.91	
22	39.29	103.94	34.28	39.29	690.82	311.33	99.36	39.29	78.28	29.67	18.13	29.67	
23	23.48	103.94	31.93	34.28	194.51	145.05	473.23	23.48	67.04	19.83	16.53	27.51	
24	56.81	36.74	36.74	34.28	473.23	99.36	544.49	56.81	67.04	16.53	15.01	31.93	
25	56.81	41.95	31.93	44.71	194.51	168.71	595.32	56.81	63.52	15.01	13.58	128.68	
26	50.55	39.29	36.74	86.36	387.27	162.60	208.23	50.55	63.52	15.01	252.77	118.41	
27	53.63	70.67	39.29	145.05	208.23	285.35	705.15	53.63	67.04	13.58	7828.04	94.91	
28	128.68	113.46	47.58	78.28	113.46	168.71	260.70	128.68	67.04	12.23	229.86	47.58	
29	86.36	74.42	53.63	60.11	86.36	150.77	156.62	86.36	67.04	12.23		27.51	
30	41.95	41.95	56.81	128.68	156.62	676.66	439.80	41.95	123.48	10.97		23.48	
31		39.29		94.91	764.24		2080.83		123.48	10.97		47.58	
Total	978.40	1573.87	1378.76	1909.50	7375.92	16956.16	16300.29	978.40	7840.35	2371.82	9059.41	1502.87	68225.75 Tonday
Mean	32.61	50.77	45.96	61.60	237.93	565.21	525.82	32.61	252.91	76.51	323.55	48.48	186.92 Ton/day
Max	128.68	113.46	70.67	145.05	1259.58	8442.09	3262.18	128.68	1842.99	268.77	7828.04	128.68	8442.09 Ton/day
Min	8.16	27.51	31.93	27.51	56.81	63.52	86.36	8.16	63.52	10.97	12.23	23.48	8.16 Ton/day

WATER YEAR : 2021

SOUTHERN PENINSULA WEST COAST

Khlung 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	2021		
Number of observation	12		
R-Square	0.8430		
Remarks	Continued Sediment Station		

$$QS = 1.1020 QW^{1.62590}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	33.72	150.80	104.09	54.37	604.74	206.58	666.86	525.61	432.81	220.18	43.58	283.91	
2	24.87	123.29	97.97	48.09	829.87	254.17	311.75	572.58	753.28	357.01	43.58	165.34	
3	21.41	88.09	90.03	42.11	262.96	242.64	222.94	311.75	820.71	280.88	42.11	123.29	
4	26.08	71.34	99.99	36.44	172.80	150.80	185.52	236.94	495.16	299.25	43.58	99.99	
5	27.30	49.63	262.96	35.07	146.07	139.08	671.09	193.32	390.77	231.31	40.66	88.09	
6	23.70	71.34	217.44	228.51	125.50	106.16	2621.75	217.44	302.36	185.52	37.83	106.16	
7	51.19	129.97	592.60	762.14	99.99	99.99	1311.09	942.81	260.02	146.07	36.44	185.52	
8	59.28	95.96	394.21	318.07	86.16	132.22	1311.09	286.96	231.31	127.73	42.11	93.97	
9	27.30	134.49	180.39	679.57	73.13	1505.08	612.89	190.70	206.58	114.60	43.58	93.97	
10	20.29	88.09	127.73	5654.46	99.99	5209.93	347.11	167.81	185.52	99.99	36.44	76.77	
11	17.10	110.35	118.92	2971.45	299.25	1782.55	257.09	182.95	182.95	93.97	32.40	66.07	
12	16.08	277.86	125.50	495.16	360.33	367.02	206.58	324.44	167.81	90.03	32.40	57.62	
13	23.70	262.96	118.92	265.92	220.18	436.39	172.80	709.56	153.19	82.35	31.09	52.77	
14	286.96	127.73	127.73	206.58	148.43	654.25	150.80	797.99	143.72	71.34	31.09	52.77	
15	102.03	90.03	125.50	220.18	177.85	330.86	134.49	408.09	134.49	67.81	49.63	91.99	
16	73.13	90.03	102.03	167.81	195.94	251.27	118.92	299.25	125.50	64.34	66.07	64.34	
17	136.78	143.72	86.16	132.22	228.51	206.58	110.35	552.82	127.73	60.95	99.99	54.37	
18	78.62	436.39	78.62	114.60	220.18	771.04	116.75	3424.45	162.88	60.95	95.96	48.09	
19	55.99	262.96	66.07	102.03	476.49	447.19	129.97	3392.83	129.97	59.28	46.57	45.06	
20	86.16	211.98	69.57	91.99	967.03	517.93	612.89	4485.96	114.60	59.28	40.66	49.63	
21	62.64	251.27	78.62	84.25	1173.10	318.07	299.25	2600.35	108.25	57.62	48.09	60.95	
22	84.25	383.92	55.99	69.57	370.37	439.98	167.81	914.05	106.16	54.37	36.44	49.63	
23	99.99	495.16	69.57	64.34	350.40	429.25	236.94	608.81	104.09	52.77	31.09	48.09	
24	239.78	254.17	66.07	55.99	548.90	245.50	337.32	1032.35	104.09	52.77	32.40	90.03	
25	188.10	146.07	60.95	52.77	890.36	211.98	568.60	696.65	110.35	51.19	99.99	139.08	
26	162.88	118.92	99.99	51.19	696.65	260.02	350.40	458.09	102.03	48.09	175.32	353.70	
27	296.16	193.32	64.34	48.09	360.33	271.87	236.94	373.74	82.35	46.57	1583.77	350.40	
28	217.44	514.11	67.81	46.57	234.12	231.31	383.92	415.09	74.94	45.06	1070.05	283.91	
29	394.21	242.64	162.88	48.09	177.85	370.37	182.95	744.45	71.34	43.58		158.01	
30	228.51	146.07	88.09	125.50	177.85	967.03	231.31	552.82	141.39	43.58		129.97	
31		108.25		182.95	360.33		641.74		234.12	43.58		239.78	
Total	3165.65	5870.91	4000.74	13456.08	11135.66	17557.11	13909.91	26620.66	6760.47	3312.02	4012.92	3803.27	113605.40 Tonday
Mean	105.52	189.38	133.36	434.07	359.21	585.24	448.71	887.36	218.08	106.84	143.32	122.69	311.25 Ton/day
Max	394.21	514.11	592.60	5654.46	1173.10	5209.93	2621.75	4485.96	820.71	357.01	1583.77	353.70	5654.46 Ton/day
Min	16.08	49.63	55.99	35.07	73.13	99.99	110.35	167.81	71.34	43.58	31.09	45.06	16.08 Ton/day

WATER YEAR : 2021

SOUTHERN PENINSULA WEST COAST

Khleng Ta Kuaw Pa at Ban Hin Dan , Phangnga (X.187)

Lat 08 - 46 - 34 N Long 98 - 23 - 26 E

Location : on left bank at the bridge on Surat Thanu - Phang Nga Highway.

	Ban Hin Dan	Amphoe Ta Kuaw Pa	Changwat Phangnga
Drainge Area	545 sq.km.		
Method of sampling	Depth Integrating		
Instrument Used	US.DH - 48		
Period of Available Records	2003 - Cont'd		
Actual Measurement	2003 - 2008, 2010 - Cont'd		
Using Rating Curve Water Year	2021		
Number of observation	11		
R-Square	0.7308		
Remarks	Continued Sediment Station		

$$QS = 6.3039 QW^{0.98570}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	67.01	186.06	520.34	114.84	508.10	203.79	990.00	274.53	203.79	90.97	67.01	67.01	
2	138.63	168.30	356.72	114.84	571.59	576.25	479.52	274.53	203.79	90.97	67.01	67.01	
3	138.63	203.79	356.72	114.84	822.33	397.71	479.52	274.53	203.79	90.97	67.01	67.01	
4	42.92	159.41	203.79	114.84	1524.63	274.53	479.52	274.53	203.79	90.97	67.01	67.01	
5	42.92	138.63	203.79	114.84	1162.45	256.87	479.52	274.53	203.79	67.01	67.01	67.01	
6	42.92	138.63	138.63	171.85	1082.33	203.79	780.63	203.79	203.79	67.01	67.01	67.01	
7	42.92	138.63	315.67	410.00	1481.59	203.79	903.33	203.79	203.79	67.01	67.01	67.01	
8	168.30	114.84	274.53	557.62	885.99	214.42	520.34	203.79	193.15	67.01	67.01	67.01	
9	168.30	114.84	203.79	712.79	618.71	744.11	718.02	203.79	182.51	67.01	67.01	67.01	
10	90.97	114.84	203.79	961.13	580.90	1130.76	702.35	203.79	171.85	67.01	67.01	67.01	
11	90.97	114.84	203.79	1481.59	949.57	1168.78	538.98	203.79	162.37	67.01	67.01	67.01	
12	90.97	114.84	438.64	1070.80	1524.63	718.02	733.68	203.79	147.54	67.01	67.01	67.01	
13	88.58	114.84	438.64	1175.12	858.80	718.02	1295.42	203.79	144.57	67.01	67.01	67.01	
14	90.97	90.97	356.72	446.82	520.34	718.02	1105.40	203.79	136.26	67.01	67.01	67.01	
15	90.97	90.97	274.53	525.00	450.91	613.48	718.02	203.79	129.12	67.01	69.41	67.01	
16	90.97	274.53	274.53	479.52	479.52	718.02	665.78	203.79	126.74	67.01	67.01	67.01	
17	90.97	315.67	274.53	203.79	410.00	613.48	566.94	203.79	129.12	67.01	67.01	67.01	
18	90.97	274.53	203.79	138.63	274.53	613.48	566.94	203.79	131.50	67.01	67.01	67.01	
19	90.97	178.96	203.79	138.63	249.81	613.48	543.64	203.79	131.50	67.01	67.01	67.01	
20	168.30	203.79	203.79	131.50	203.79	613.48	479.52	203.79	100.52	67.01	67.01	67.01	
21	168.30	203.79	203.79	138.63	203.79	909.12	479.52	203.79	112.45	67.01	67.01	67.01	
22	114.84	274.53	114.84	138.63	203.79	1219.46	479.52	203.79	100.52	67.01	67.01	67.01	
23	114.84	459.09	278.65	114.84	203.79	791.06	479.52	203.79	102.91	67.01	67.01	67.01	
24	566.94	356.72	274.53	114.84	203.79	718.02	479.52	203.79	98.14	67.01	67.01	67.01	
25	114.84	356.72	274.53	114.84	543.64	718.02	479.52	203.79	95.75	67.01	67.01	67.01	
26	114.84	543.64	203.79	114.84	1124.42	1181.46	479.52	203.79	90.97	67.01	67.01	67.01	
27	114.84	520.34	196.70	114.84	566.94	1225.79	418.19	203.79	90.97	67.01	67.01	71.81	
28	112.45	520.34	203.79	114.84	438.64	1282.76	274.53	203.79	90.97	67.01	67.01	67.01	
29	186.06	479.52	114.84	114.84	385.42	1162.45	274.53	203.79	90.97	67.01		67.01	
30	203.79	479.52	114.84	138.63	385.42	1105.40	274.53	203.79	90.97	67.01		67.01	
31		520.34		138.63	327.99		274.53		90.97	67.01		67.01	
Total	3739.90	7966.46	7630.82	10537.39	19748.15	21627.82	18140.50	6467.40	4368.87	2173.15	1878.68	2082.11	106361.25 Tonday
Mean	124.66	256.98	254.36	339.92	637.04	720.93	585.18	215.58	140.93	70.10	67.10	67.16	291.40 Ton/day
Max	566.94	543.64	520.34	1481.59	1524.63	1282.76	1295.42	274.53	203.79	90.97	69.41	71.81	1524.63 Ton/day
Min	42.92	90.97	114.84	114.84	203.79	203.79	274.53	203.79	90.97	67.01	67.01	67.01	42.92 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	12		
R-Square	0.8942		
Remarks	Continued Sediment Station		

$$QS = 8.3633 QW^{1.33230}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	30.33	4.23	6.21	5.40	6.21	21.48	33.76	22.76	39.06	3.86	2.47	3.50	
2	10.19	3.50	10.19	4.61	6.84	24.06	12.35	14.23	24.06	3.50	2.47	2.80	
3	9.50	3.86	5.40	4.23	11.62	15.38	8.81	10.19	18.98	3.50	2.80	2.80	
4	4.23	3.50	5.00	5.00	6.21	10.19	8.14	10.90	15.38	4.23	2.47	2.80	
5	3.50	3.15	16.56	3.86	5.40	8.14	17.76	10.19	13.09	4.61	2.47	3.50	
6	15.38	3.86	5.80	4.23	5.00	6.84	68.17	15.38	11.62	4.23	2.47	3.50	
7	10.90	3.15	5.40	3.86	5.00	6.21	39.06	22.76	10.19	4.23	15.38	2.80	
8	5.00	2.80	5.00	28.65	4.23	13.09	48.31	22.76	8.81	4.61	22.76	2.47	
9	3.86	2.47	8.14	33.76	5.40	25.37	28.65	17.76	7.48	4.23	11.62	2.47	
10	3.15	3.15	10.90	42.70	17.76	11.62	22.76	12.35	6.84	3.86	5.00	2.80	
11	2.80	3.15	7.48	68.17	9.50	9.50	21.48	12.35	6.84	3.86	4.23	2.14	
12	2.80	2.80	5.80	18.98	8.14	14.23	16.56	10.90	7.48	3.86	3.86	2.47	
13	3.86	2.47	5.40	10.19	5.40	10.19	13.09	76.57	6.84	4.23	3.86	2.47	
14	9.50	3.86	5.00	7.48	4.61	10.19	20.22	66.11	6.21	3.86	3.50	2.47	
15	14.23	3.86	5.00	24.06	91.82	16.56	15.38	68.17	5.40	3.86	5.00	2.14	
16	18.98	2.80	4.23	10.90	40.87	8.14	8.81	54.09	5.00	3.50	32.03	2.47	
17	8.81	5.00	3.86	6.84	10.19	6.21	6.84	32.03	4.61	3.86	39.06	3.15	
18	5.00	7.48	3.15	6.21	6.84	6.21	5.80	326.46	8.81	3.86	8.81	10.90	
19	7.48	3.86	5.00	5.80	24.06	9.50	6.21	105.43	12.35	4.23	5.40	13.09	
20	5.40	3.15	3.50	5.40	18.98	66.11	13.09	70.25	5.40	3.86	4.61	5.80	
21	4.23	2.47	4.61	5.00	58.03	74.45	42.70	70.25	10.19	3.50	3.86	4.61	
22	3.50	9.50	14.23	5.40	89.60	33.76	13.09	56.05	5.00	3.15	4.23	3.86	
23	4.61	6.21	13.09	4.61	35.50	20.22	18.98	50.22	4.61	3.50	5.00	3.86	
24	3.86	3.86	9.50	4.23	89.60	20.22	11.62	28.65	3.86	3.50	5.40	3.50	
25	5.80	6.21	60.03	4.23	72.34	52.15	10.19	22.76	4.61	3.50	4.61	4.61	
26	9.50	9.50	13.09	3.86	80.86	50.22	8.14	21.48	10.19	3.15	4.23	3.15	
27	6.84	5.40	6.84	3.86	32.03	50.22	8.14	25.37	12.35	3.15	3.86	2.80	
28	4.61	25.37	5.80	7.48	17.76	30.33	8.81	25.37	5.80	2.80	3.50	3.50	
29	4.61	21.48	8.14	5.40	12.35	25.37	15.38	33.76	5.80	3.15		2.80	
30	4.23	6.21	5.80	10.19	24.06	33.76	78.70	27.00	4.61	2.80		3.15	
31		8.81		8.14	64.07		78.70		4.23	2.47		5.00	
Total	226.69	177.12	268.15	362.73	870.28	689.92	709.70	1342.55	295.70	114.51	214.96	117.38	5389.69 Tonday
Mean	7.56	5.71	8.94	11.70	28.07	23.00	22.89	44.75	9.54	3.69	7.68	3.79	14.77 Ton/day
Max	30.33	25.37	60.03	68.17	91.82	74.45	78.70	326.46	39.06	4.61	39.06	13.09	326.46 Ton/day
Min	2.80	2.47	3.15	3.86	4.23	6.21	5.80	10.19	3.86	2.47	2.47	2.14	2.14 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	13		
R-Square	0.7181		
Remarks	Continued Sediment Station		

$$QS = 10.5430 QW^{0.91740}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	33.27	83.16	132.24	126.45	360.53	124.51	242.47	139.92	87.17	28.89	10.54	8.59	
2	56.64	93.15	66.95	124.51	315.23	196.10	198.33	128.38	85.17	26.67	8.59	4.55	
3	41.90	93.15	58.71	118.69	337.95	136.08	173.68	116.75	77.12	26.67	8.59	2.41	
4	26.67	87.17	56.64	124.51	275.10	118.69	153.27	128.38	71.03	26.67	12.46	46.15	
5	22.18	85.17	97.12	116.75	268.60	108.93	157.83	118.69	66.95	26.67	8.59	56.64	
6	24.44	66.95	64.90	116.75	380.19	103.04	244.66	114.80	62.84	24.44	10.54	44.03	
7	41.90	64.90	60.78	144.13	396.97	97.12	264.27	124.51	60.78	24.44	33.27	39.76	
8	46.15	66.95	52.47	229.31	264.27	105.01	268.60	116.75	56.64	22.18	71.03	33.27	
9	54.56	62.84	58.71	283.74	231.51	277.98	268.60	103.04	54.56	22.18	41.90	31.09	
10	50.37	56.64	200.56	343.61	231.51	227.11	229.31	95.13	52.47	19.91	37.61	19.91	
11	64.90	60.78	126.45	292.36	377.39	171.42	266.44	95.13	50.37	19.91	19.91	16.23	
12	54.56	62.84	128.38	222.71	380.19	155.55	468.28	91.16	48.27	19.91	16.23	14.36	
13	41.90	89.17	110.89	178.18	266.44	144.13	368.97	93.15	46.15	18.08	39.76	26.67	
14	46.15	87.17	128.38	162.37	224.91	141.83	315.23	85.17	44.03	18.08	39.76	28.89	
15	46.15	91.16	114.80	184.92	213.87	184.92	255.57	85.17	44.03	18.08	31.09	14.36	
16	52.47	108.93	124.51	178.18	198.33	136.08	218.29	83.16	41.90	18.08	28.89	14.36	
17	44.03	89.17	105.01	136.08	175.93	122.58	191.63	81.15	41.90	18.08	18.08	14.36	
18	39.76	95.13	95.13	122.58	148.71	130.31	171.42	132.24	41.90	16.23	16.23	14.36	
19	56.64	79.14	91.16	112.85	155.55	122.58	169.16	148.71	39.76	16.23	12.46	24.44	
20	95.13	60.78	85.17	106.97	155.55	153.27	162.37	114.80	39.76	16.23	14.36	18.08	
21	68.99	83.16	85.17	101.07	213.87	399.76	139.92	108.93	37.61	16.23	10.54	35.45	
22	54.56	106.97	83.16	95.13	187.16	309.53	144.13	97.12	35.45	14.36	12.46	19.91	
23	66.95	138.00	173.68	91.16	153.27	211.66	160.10	87.17	35.45	14.36	16.23	14.36	
24	75.10	114.80	124.51	89.17	162.37	178.18	189.40	81.15	33.27	16.23	12.46	16.23	
25	54.56	160.10	205.00	85.17	235.90	218.29	189.40	81.15	37.61	16.23	8.59	35.45	
26	64.90	209.44	164.64	81.15	289.49	461.40	153.27	83.16	44.03	14.36	10.54	35.45	
27	87.17	306.67	146.42	79.14	200.56	315.23	146.42	77.12	37.61	12.46	10.54	31.09	
28	64.90	286.62	136.08	85.17	169.16	329.45	130.31	73.07	28.89	12.46	10.54	31.09	
29	87.17	259.92	128.38	153.27	150.99	326.61	118.69	81.15	31.09	10.54		31.09	
30	105.01	242.47	124.51	550.15	141.83	303.81	182.68	124.51	31.09	10.54		35.45	
31		222.71		268.60	128.38		198.33		28.89	8.59		64.90	
Total	1669.08	3715.21	3330.51	5104.83	7391.71	6011.16	6541.03	3090.72	1493.79	573.99	571.79	822.98	40316.80 Ton/day
Mean	55.64	119.85	111.02	164.67	238.44	200.37	211.00	103.02	48.19	18.52	20.42	26.55	110.46 Ton/day
Max	105.01	306.67	205.00	550.15	396.97	461.40	468.28	148.71	87.17	28.89	71.03	64.90	550.15 Ton/day
Min	22.18	56.64	52.47	79.14	128.38	97.12	118.69	73.07	28.89	8.59	8.59	2.41	2.41 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	11		
R-Square	0.7410		
Remarks	Continued Sediment Station		

$$QS = 11.5648 QW^{1.25210}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	395.68	141.74	122.83	161.18	1419.46	1283.52	292.56	713.40	10626.01	366.42	389.79	49.62	
2	461.60	191.25	196.35	378.07	1762.73	1048.99	303.70	372.23	9461.13	389.79	419.42	161.18	
3	201.49	146.56	232.84	238.16	2303.56	372.23	276.00	615.22	4668.67	366.42	366.42	91.13	
4	53.53	95.54	201.49	254.24	2902.22	281.50	309.30	443.42	1972.30	378.07	520.11	91.13	
5	132.22	59.51	281.50	217.05	4756.08	654.14	326.23	383.92	1636.19	461.60	378.07	309.30	
6	61.53	40.11	437.39	151.40	2662.03	538.87	683.64	395.68	949.50	492.22	395.68	53.53	
7	53.53	29.28	191.25	122.83	2770.69	743.41	4552.63	171.09	132.22	118.18	349.08	47.68	
8	65.61	186.16	960.06	146.56	2269.97	395.68	13884.92	292.56	181.11	366.42	186.16	166.12	
9	132.22	99.99	1121.25	314.92	1298.49	6965.23	9505.86	248.85	204.07	314.92	238.16	166.12	
10	127.50	309.30	1956.01	1907.31	855.51	3191.31	4322.34	292.56	240.82	287.02	343.34	314.92	
11	51.57	395.68	1589.23	1988.61	1209.22	1092.23	2169.82	331.91	243.49	529.47	343.34	343.34	
12	186.16	281.50	1313.49	1034.66	855.51	1465.38	4814.54	11922.49	281.50	292.56	303.70	389.79	
13	407.51	281.50	303.70	855.51	928.44	1034.66	2924.26	8444.47	148.97	303.70	156.28	91.13	
14	265.08	309.30	663.94	624.90	991.90	1092.23	2186.45	7260.68	191.25	510.78	53.53	615.22	
15	349.08	248.85	479.92	595.94	1077.78	897.04	2426.13	3897.20	186.16	372.23	53.53	548.30	
16	276.00	248.85	473.80	389.79	265.08	1020.36	1858.87	4179.65	151.40	349.08	366.42	520.11	
17	281.50	181.11	378.07	196.35	479.92	644.36	673.78	2153.21	151.40	82.44	320.57	624.90	
18	320.57	181.11	437.39	254.24	259.65	683.64	907.48	4408.42	136.96	644.36	49.62	567.26	
19	136.96	196.35	401.59	259.65	337.62	1006.11	473.80	2253.22	139.35	567.26	53.53	343.34	
20	109.01	314.92	437.39	281.50	413.46	520.11	605.57	2087.06	156.28	343.34	171.09	455.52	
21	118.18	63.56	378.07	320.57	824.62	804.16	834.89	1328.53	139.35	118.18	383.92	473.80	
22	61.53	211.84	654.14	716.72	473.80	2858.24	683.64	1604.85	151.40	276.00	287.02	331.91	
23	29.28	141.74	703.45	211.84	615.22	1715.06	349.08	1715.06	139.35	326.23	176.09	520.11	
24	78.16	141.74	443.42	256.94	723.37	1121.25	437.39	907.48	139.35	259.65	222.29	615.22	
25	232.84	644.36	431.38	592.74	897.04	663.94	372.23	7558.57	127.50	292.56	343.34	425.39	
26	320.57	793.97	431.38	612.00	928.44	793.97	413.46	2186.45	605.57	276.00	53.53	501.48	
27	27.55	595.94	413.46	599.15	1450.04	431.38	383.92	1939.75	360.62	287.02	132.22	383.92	
28	349.08	586.35	413.46	309.30	1389.02	1006.11	314.92	1150.43	166.12	171.09	303.70	437.39	
29	287.02	372.23	354.84	243.49	743.41	586.35	437.39	1209.22	349.08	360.62		378.07	
30	824.62	431.38	211.84	7837.31	473.80	437.39	206.65	1923.52	326.23	383.92		331.91	
31		292.56		2253.22	486.06		176.09		298.12	141.74		259.65	
Total	6397.18	8214.28	16614.93	24326.15	38824.14	35348.85	58107.54	72391.10	34661.47	10429.29	7359.95	10608.49	323283.37 Ton/day
Mean	213.24	264.98	553.83	784.71	1252.39	1178.29	1874.44	2413.04	1118.11	336.43	262.86	342.21	885.71 Ton/day
Max	824.62	793.97	1956.01	7837.31	4756.08	6965.23	13884.92	11922.49	10626.01	644.36	520.11	624.90	13884.92 Ton/day
Min	27.55	29.28	122.83	122.83	259.65	281.50	176.09	171.09	127.50	82.44	49.62	47.68	27.55 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	10		
R-Square	0.7217		
Remarks	Continued Sediment Station		

$$QS = 0.9072 QW^{1.88450}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	6.53	4.18	69.53	41.46	164.65	74.87	242.42	170.60	1443.48	45.66	17.44	9.10	
2	6.53	4.18	66.94	39.42	189.01	83.22	411.83	221.66	2721.39	43.54	16.09	9.10	
3	6.53	4.18	64.39	39.42	242.42	170.60	264.05	176.63	1763.18	41.46	14.80	8.12	
4	6.53	4.18	61.88	39.42	393.90	439.43	228.48	153.07	1378.89	39.42	14.80	8.12	
5	6.53	3.67	59.42	37.44	385.08	600.71	195.34	125.85	860.61	37.44	13.56	8.12	
6	6.53	3.67	57.01	37.44	278.95	1057.97	667.25	105.88	568.68	35.51	13.56	8.12	
7	6.53	3.67	80.39	72.18	221.66	2067.38	1531.76	91.98	458.30	33.62	13.56	8.12	
8	6.53	3.67	131.09	1193.47	201.78	3060.42	9832.73	83.22	376.35	31.78	12.37	7.19	
9	5.90	3.67	77.61	4695.67	182.77	4461.87	9434.93	80.39	325.94	31.78	12.37	7.19	
10	5.90	3.67	72.18	5481.36	170.60	6400.21	6269.51	131.09	294.23	29.99	12.37	7.19	
11	5.29	3.67	141.88	3666.78	125.85	6334.70	5279.60	80.39	228.48	28.25	12.37	7.19	
12	5.29	3.67	153.07	2470.65	115.66	4601.48	4011.12	77.61	176.63	26.55	12.37	7.19	
13	5.29	3.67	101.15	1668.78	101.15	3336.99	3060.42	74.87	147.43	26.55	12.37	7.19	
14	5.29	3.67	83.22	983.99	87.54	2576.71	2231.31	74.87	120.71	26.55	12.37	7.19	
15	5.29	3.67	61.88	527.25	74.87	1909.34	1576.82	72.18	105.88	26.55	12.37	6.53	
16	5.29	3.67	54.65	359.16	69.53	1509.46	1153.97	66.94	80.39	24.91	12.37	6.53	
17	4.72	3.67	54.65	256.74	57.01	1076.86	895.07	61.88	69.53	24.91	11.23	6.53	
18	4.72	5.29	52.33	182.77	52.33	843.62	682.48	57.01	57.01	24.91	11.23	6.53	
19	4.72	64.39	52.33	385.08	45.66	600.71	497.14	52.33	54.65	23.32	11.23	5.90	
20	4.72	385.08	50.06	1554.22	37.44	568.68	367.71	50.06	52.33	23.32	11.23	7.19	
21	4.72	729.14	50.06	2576.71	33.62	652.18	228.48	59.42	52.33	23.32	11.23	35.51	
22	4.72	611.57	50.06	235.40	23.32	568.68	170.60	87.54	52.33	23.32	11.23	13.56	
23	4.72	317.87	47.84	77.61	24.91	487.29	147.43	110.72	52.33	23.32	10.14	10.14	
24	4.18	208.31	47.84	54.65	20.28	367.71	136.44	136.44	52.33	21.77	10.14	10.14	
25	4.18	507.09	45.66	120.71	309.89	317.87	125.85	1509.46	50.06	21.77	10.14	9.10	
26	4.18	697.87	45.66	334.10	517.12	309.89	120.71	256.74	50.06	21.77	9.10	9.10	
27	4.18	877.76	43.54	568.68	342.36	302.01	120.71	131.09	50.06	20.28	9.10	9.10	
28	7.19	637.27	43.54	947.95	249.53	294.23	115.66	91.98	47.84	20.28	9.10	8.12	
29	8.12	458.30	41.46	745.01	214.94	264.05	110.72	74.87	47.84	20.28		8.12	
30	4.18	221.66	41.46	420.94	164.65	256.74	105.88	189.01	47.84	18.83		7.19	
31		96.51		271.45	96.51		115.66		47.84	18.83		7.19	
Total	165.03	5882.54	2002.78	30085.91	5194.99	45595.88	50332.08	4655.78	11834.95	859.79	340.24	275.61	157225.58 Ton/day
Mean	5.50	189.76	66.76	970.51	167.58	1519.86	1623.62	155.19	381.77	27.74	12.15	8.89	430.76 Ton/day
Max	8.12	877.76	153.07	5481.36	517.12	6400.21	9832.73	1509.46	2721.39	45.66	17.44	35.51	9832.73 Ton/day
Min	4.18	3.67	41.46	37.44	20.28	74.87	105.88	50.06	47.84	18.83	9.10	5.90	3.67 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	15		
R-Square	0.7902		
Remarks	Continued Sediment Station		

$$QS = 1.1517 QW^{1.49050}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	36.97	214.06	279.75	63.60	622.47	748.88	3745.98	1519.09	7199.94	332.54	73.47	1464.64	
2	36.97	163.13	332.54	63.60	1202.42	748.88	3302.92	1305.27	7952.74	276.10	73.47	945.31	
3	36.97	145.92	276.10	65.21	1061.58	801.56	1674.99	1305.27	8879.53	243.93	65.21	481.95	
4	34.57	148.03	185.96	183.23	598.13	794.91	855.40	945.31	8247.31	225.66	62.00	305.77	
5	34.57	123.31	191.48	127.33	451.00	468.24	924.30	742.38	7309.91	216.94	63.60	234.49	
6	34.57	98.26	320.98	265.23	344.24	302.01	1053.47	716.56	6061.78	222.74	63.60	228.59	
7	46.76	85.57	216.94	1077.84	302.01	231.54	875.89	1674.99	4412.90	211.20	60.41	258.07	
8	46.76	87.35	154.44	841.83	219.84	197.05	1674.99	3765.66	2491.14	183.23	58.84	205.50	
9	33.53	158.76	131.38	781.67	167.53	360.04	3060.73	4044.67	1563.12	165.32	57.28	178.69	
10	31.47	152.30	123.31	3589.80	145.92	2003.44	2914.74	3340.71	1127.14	152.30	58.84	171.96	
11	29.45	113.45	135.49	5992.81	214.06	3024.01	1697.67	2059.69	1029.28	143.81	57.28	154.44	
12	28.46	133.43	171.96	6801.46	710.16	1878.74	903.45	2753.33	1077.84	137.55	55.73	133.43	
13	41.07	100.12	216.94	4727.71	959.40	889.63	574.77	4600.93	910.38	131.38	52.68	121.32	
14	63.60	85.57	360.04	2275.17	761.94	604.18	476.95	5892.69	691.05	123.31	49.69	111.52	
15	214.06	94.58	380.12	1143.73	491.99	855.40	481.95	6873.35	580.08	117.36	52.68	121.32	
16	194.26	169.74	234.49	1177.15	781.67	896.53	408.82	7236.53	512.29	113.45	109.59	109.59	
17	133.43	152.30	188.72	841.83	1262.08	598.13	340.32	6945.49	463.91	107.67	476.95	101.99	
18	85.57	154.44	176.44	446.72	2987.44	388.25	408.82	6873.35	433.96	103.87	924.30	92.75	
19	180.96	171.96	145.92	294.53	3864.55	486.96	848.61	7126.93	438.20	98.26	586.07	87.35	
20	197.05	135.49	123.31	225.66	3551.09	1244.94	1530.06	7236.53	442.45	98.26	287.11	111.52	
21	127.33	117.36	113.45	191.48	2304.43	2145.04	1400.17	6981.66	396.43	94.58	234.49	433.96	
22	107.67	145.92	156.60	165.32	2491.14	2304.43	794.91	5892.69	368.03	92.75	247.44	604.18	
23	119.33	143.81	117.36	145.92	2491.14	2577.58	910.38	4125.58	344.24	103.87	214.06	451.00	
24	135.49	156.60	111.52	133.43	1563.12	1947.69	1400.17	3116.08	348.17	92.75	150.16	622.47	
25	141.71	143.81	107.67	129.35	997.32	1143.73	2860.60	2647.42	313.35	85.57	158.76	828.34	
26	111.52	117.36	96.41	113.45	1037.32	869.04	4839.58	3079.14	276.10	80.31	167.53	722.99	
27	103.87	119.33	90.94	101.99	1086.01	945.31	5336.89	3765.66	247.44	76.87	532.85	761.94	
28	165.32	442.45	80.31	96.41	875.89	1110.63	6131.02	4207.02	228.59	73.47	1315.70	580.08	
29	309.55	1143.73	80.31	127.33	653.35	1697.67	4936.14	4887.78	214.06	71.79		417.14	
30	298.26	794.91	68.47	156.60	455.29	3321.80	2629.90	6516.38	202.67	70.13		472.59	
31		372.04		165.32	446.72		1720.45		254.51	73.47		360.04	
Total	3161.10	6385.09	5369.35	32512.71	35101.25	35586.24	60715.04	#####	65018.54	4320.44	6309.79	11874.93	388532.62 Ton/day
Mean	105.37	205.97	178.98	1048.80	1132.30	1186.21	1958.55	4072.60	2097.37	139.37	225.35	383.06	1064.47 Ton/day
Max	309.55	1143.73	380.12	6801.46	3864.55	3321.80	6131.02	7236.53	8879.53	332.54	1315.70	1464.64	8879.53 Ton/day
Min	28.46	85.57	68.47	63.60	145.92	197.05	340.32	716.56	202.67	70.13	49.69	87.35	28.46 Ton/day

WATER YEAR : 2021

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	2021		
Number of observation	12		
R-Square	0.7675		
Remarks	Continued Sediment Station		

$$QS = 0.5785 QW^{1.75750}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	139.80	159.87	18.58	20.43	1330.35	192.11	167.98	463.58	485.58	239.02	66.71	255.63	
2	100.38	127.08	21.39	34.27	1025.74	259.85	95.73	683.51	2203.34	322.13	73.95	192.11	
3	62.06	73.95	13.88	21.39	749.16	299.23	82.37	589.94	1704.90	345.76	86.73	184.73	
4	54.27	37.58	14.69	20.43	560.07	247.26	56.82	525.12	912.33	285.84	100.38	184.73	
5	37.58	31.66	12.71	23.35	431.42	222.89	385.05	508.01	657.98	234.94	71.50	184.73	
6	23.60	36.06	13.88	458.15	322.13	195.85	420.92	496.74	577.91	211.12	52.49	173.88	
7	34.57	52.49	20.43	764.85	239.02	215.01	530.88	772.75	513.69	173.88	39.13	166.81	
8	52.49	71.50	19.50	502.36	303.75	259.85	895.39	542.47	420.92	130.21	31.66	106.08	
9	62.06	84.10	14.69	583.91	277.06	480.04	657.98	458.15	345.76	97.58	22.36	92.09	
10	69.09	100.38	19.50	1434.96	268.40	820.87	583.91	317.49	290.27	71.50	13.49	59.79	
11	76.44	106.08	58.30	963.96	474.52	508.01	452.75	294.74	264.11	54.27	10.67	39.13	
12	84.10	8.45	33.10	729.19	735.82	390.09	326.80	474.52	203.43	48.99	13.49	28.86	
13	92.09	14.69	31.94	525.12	542.47	317.49	239.02	577.91	177.47	59.79	18.81	30.24	
14	146.36	10.49	36.67	426.15	395.16	61.30	184.73	508.01	177.47	59.79	23.60	37.58	
15	139.80	8.45	25.39	508.01	360.28	193.36	153.05	420.92	170.33	62.06	57.93	111.91	
16	114.88	6.91	15.95	415.71	375.06	121.93	166.81	390.09	163.32	66.71	173.88	92.09	
17	97.58	7.51	13.09	299.23	322.13	65.92	177.47	436.71	163.32	71.50	130.21	106.08	
18	78.96	7.82	9.79	285.84	317.49	233.59	222.89	1110.23	166.81	76.44	136.57	130.21	
19	89.39	15.95	10.49	230.90	415.71	212.42	345.76	2115.29	153.05	86.73	123.98	143.07	
20	45.60	17.68	9.79	222.89	395.16	345.76	742.48	1579.72	153.05	89.39	106.08	166.81	
21	24.87	31.94	58.30	211.12	410.53	358.65	571.94	1494.55	143.07	92.09	127.08	199.62	
22	40.71	137.65	67.50	192.11	485.58	352.18	452.75	1604.42	143.07	97.58	100.38	146.36	
23	71.50	69.89	45.60	184.73	355.41	483.73	426.15	1007.92	153.05	84.10	59.79	114.88	
24	106.08	82.37	37.89	177.47	326.80	189.64	560.07	853.65	143.07	66.71	37.58	92.09	
25	127.08	51.08	30.81	192.11	326.80	161.02	749.16	632.86	117.88	52.49	43.94	59.79	
26	130.21	65.92	33.10	159.87	360.28	164.48	530.88	571.94	94.82	39.13	111.91	146.36	
27	163.32	65.92	27.50	166.81	290.27	326.80	390.09	458.15	78.96	30.24	812.77	117.88	
28	226.88	125.01	23.35	149.69	251.43	266.96	480.04	474.52	69.09	30.24	390.09	106.08	
29	215.01	74.78	37.89	127.08	199.62	358.65	326.80	577.91	64.37	33.10		149.69	
30	192.11	41.67	26.44	159.87	159.87	233.59	317.49	583.91	163.32	40.71		173.88	
31		34.27		243.13	277.06		602.07		243.13	54.27		264.11	
Total	2898.87	1759.20	802.14	10435.09	13284.55	8538.53	12296.23	21525.73	11318.87	3408.31	3037.16	4057.30	93361.98 Tonday
Mean	96.63	56.75	26.74	336.62	428.53	284.62	396.65	717.52	365.12	109.95	108.47	130.88	255.79 Ton/day
Max	226.88	159.87	67.50	1434.96	1330.35	820.87	895.39	2115.29	2203.34	345.76	812.77	264.11	2203.34 Ton/day
Min	23.60	6.91	9.79	20.43	159.87	61.30	56.82	294.74	64.37	30.24	10.67	28.86	6.91 Ton/day

WATER YEAR : 2021

SOUTHERN PENINSULA WEST COAST

Khleng 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	2021					
Number of observation	10					
R-Square	0.8036					
Remarks	Continued Sediment Station					

$$QS = 7.4201 QW^{0.89660}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	45.18	62.66	104.96	76.54	407.64	137.74	179.81	150.97	116.65	50.02	26.87	25.14	
2	73.48	68.87	90.13	75.01	315.82	170.57	156.60	135.84	118.58	48.41	25.14	23.40	
3	56.38	91.62	79.58	70.41	387.46	145.32	143.43	126.29	103.00	46.80	26.87	21.64	
4	36.99	76.54	82.61	67.32	428.12	128.21	132.03	137.74	96.09	46.80	35.33	45.18	
5	28.58	59.53	122.44	65.77	359.52	118.58	130.12	133.94	90.13	46.80	28.58	76.54	
6	23.40	50.02	93.12	130.12	349.30	108.87	258.20	132.03	87.13	45.18	25.14	65.77	
7	48.41	45.18	99.06	172.89	392.94	103.00	289.80	137.74	84.12	43.56	33.66	61.10	
8	53.21	40.29	90.13	204.50	271.42	110.82	349.30	132.03	81.10	56.38	67.32	45.18	
9	46.80	40.29	93.12	392.94	220.76	354.41	321.00	118.58	79.58	43.56	35.33	43.56	
10	41.93	35.33	389.99	486.03	228.85	274.05	260.85	108.87	76.54	40.29	41.93	35.33	
11	48.41	36.99	175.20	377.33	321.00	190.83	263.50	108.87	75.01	40.29	30.28	30.28	
12	64.22	33.66	156.60	247.57	328.74	154.73	614.41	106.92	73.48	40.29	28.58	28.58	
13	48.41	38.65	139.64	182.57	255.55	147.21	465.86	106.92	71.95	38.65	33.66	28.58	
14	41.93	40.29	130.12	150.97	226.16	152.85	407.64	101.03	68.87	36.99	50.02	36.99	
15	50.02	46.80	108.87	242.24	255.55	154.73	300.24	103.00	67.32	35.33	56.38	26.87	
16	48.41	62.66	124.37	236.89	231.53	135.84	242.24	106.92	67.32	35.33	50.02	23.40	
17	51.62	53.21	104.96	150.97	199.04	122.44	204.50	104.96	65.77	35.33	35.33	21.64	
18	45.18	46.80	91.62	130.12	165.93	118.58	182.57	172.89	68.87	33.66	31.98	41.93	
19	64.22	48.41	84.12	114.71	196.31	120.52	172.89	204.50	64.22	33.66	28.58	57.96	
20	82.61	40.29	79.58	106.92	209.94	150.97	158.94	152.85	62.66	33.66	26.87	35.33	
21	59.53	61.10	76.54	99.06	185.33	362.07	141.54	135.84	61.10	33.66	25.14	40.29	
22	48.41	103.00	73.48	93.12	193.57	308.04	150.97	126.29	61.10	33.66	26.87	40.29	
23	43.56	128.21	106.92	88.63	185.33	196.31	143.43	114.71	59.53	31.98	33.66	35.33	
24	48.41	99.06	97.58	85.63	201.77	158.94	143.43	104.96	59.53	31.98	33.66	46.80	
25	41.93	103.00	147.21	82.61	236.89	170.57	139.64	101.03	57.96	31.98	26.87	56.38	
26	76.54	145.32	130.12	79.58	359.52	392.94	128.21	114.71	62.66	30.28	30.28	67.32	
27	91.62	271.42	112.77	76.54	236.89	292.41	133.94	104.96	56.38	28.58	35.33	54.80	
28	76.54	218.06	97.58	99.06	190.83	226.16	130.12	94.61	54.80	28.58	26.87	56.38	
29	70.41	199.04	88.63	276.68	182.57	271.42	120.52	108.87	53.21	26.87		82.61	
30	71.95	154.73	81.10	436.86	168.25	244.91	260.85	152.85	51.62	26.87		75.01	
31		120.52		297.63	147.21		244.91		50.02	26.87		70.41	
Total	1628.29	2621.55	3452.15	5397.22	8039.74	5724.04	6971.49	3741.72	2246.30	1162.30	956.55	1400.02	43341.37 Ton/day
Mean	54.28	84.57	115.07	174.10	259.35	190.80	224.89	124.72	72.46	37.49	34.16	45.16	118.74 Ton/day
Max	91.62	271.42	389.99	486.03	428.12	392.94	614.41	204.50	118.58	56.38	67.32	82.61	614.41 Ton/day
Min	23.40	33.66	73.48	65.77	147.21	103.00	120.52	94.61	50.02	26.87	25.14	21.64	21.64 Ton/day

WATER YEAR : 2021

SOUTHERN PENINSULA WEST COAST

Khleng 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
Drainge 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	2021		
Number of observation	12		
R-Square	0.8233		
Remarks	Continued Sediment Station		

$$QS = 6.6036 QW^{1.39410}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	4.42	4.42	5.26	5.26	13.27	12.17	16.75	341.48	18.58	14.41	3.24	15.57	
2	4.42	4.42	6.15	6.15	13.27	12.17	21.09	71.11	45.62	14.41	5.70	25.02	
3	4.42	4.84	8.02	8.02	13.27	12.17	23.69	37.87	14.98	14.41	7.54	11.09	
4	4.42	5.26	9.52	9.52	13.27	12.72	25.02	37.87	14.98	13.84	11.62	11.09	
5	4.42	6.15	11.62	11.62	13.27	12.72	25.02	37.87	14.98	10.03	14.41	14.41	
6	4.42	7.07	11.62	11.62	13.27	12.72	25.02	42.47	14.41	9.01	15.57	12.72	
7	4.42	8.02	11.62	11.62	12.72	12.72	26.37	47.21	14.41	9.01	19.82	11.09	
8	4.42	8.51	11.62	11.62	12.72	12.72	26.37	37.87	14.41	7.54	22.38	11.09	
9	4.42	9.01	11.62	11.62	12.72	13.27	26.37	37.87	14.41	6.15	10.03	11.09	
10	4.42	9.52	11.62	11.62	12.72	13.27	26.37	37.87	14.41	4.84	10.03	11.09	
11	4.42	10.03	11.62	11.62	12.72	13.84	26.37	37.87	14.41	4.02	10.03	11.09	
12	4.42	10.56	11.62	11.62	12.72	14.98	27.74	85.93	14.41	4.02	10.03	11.09	
13	4.42	11.62	11.62	11.62	12.72	14.98	27.74	71.11	14.41	3.24	10.03	11.09	
14	4.42	11.09	11.62	11.62	12.72	16.16	29.13	44.03	14.41	3.24	10.03	11.09	
15	4.42	10.56	11.62	11.62	12.72	16.16	29.13	42.47	14.41	3.24	10.03	11.09	
16	4.42	10.03	12.17	12.17	12.72	16.75	30.54	42.47	14.41	3.24	10.03	11.09	
17	4.42	10.03	12.17	12.17	12.72	16.75	30.54	144.58	14.41	3.24	53.76	11.09	
18	4.42	11.09	12.17	12.17	12.72	16.75	30.54	733.08	14.41	2.87	10.56	11.09	
19	4.42	11.62	12.72	12.72	12.72	16.75	30.54	371.33	14.41	2.87	10.56	11.09	
20	4.42	12.17	12.72	12.72	12.72	16.75	30.54	483.43	14.41	2.87	10.56	16.16	
21	4.42	14.41	12.72	12.72	12.72	16.75	30.54	136.93	14.41	2.87	10.56	11.62	
22	4.42	16.16	13.27	13.27	12.72	16.75	30.54	69.31	14.41	2.87	10.56	11.09	
23	4.42	14.98	13.27	13.27	12.72	16.75	30.54	53.76	14.41	2.87	10.56	11.09	
24	4.42	14.41	13.27	13.27	12.17	16.75	30.54	72.92	14.41	2.87	10.56	11.09	
25	4.42	13.84	13.27	13.27	12.17	16.75	30.54	44.03	14.41	2.87	10.56	31.97	
26	4.42	13.27	13.27	13.27	12.17	16.75	30.54	44.03	14.41	2.87	58.82	11.62	
27	4.42	13.27	13.27	13.27	12.17	16.75	30.54	44.03	14.41	2.87	17.36	8.51	
28	4.42	13.27	13.27	13.27	12.17	16.75	30.54	82.15	14.41	2.87	10.56	8.51	
29	4.42	13.27	13.27	13.27	12.17	16.75	30.54	144.58	14.41	2.87		8.51	
30	4.42	13.27	13.27	13.27	12.17	16.75	30.54	57.12	14.41	2.87		8.51	
31		13.27		13.27	12.17		30.54		14.41	2.87		8.51	
Total	132.60	329.44	350.87	364.14	393.22	454.02	870.82	3534.65	483.80	168.07	405.50	381.26	7868.39 Tonday
Mean	4.42	10.63	11.70	11.75	12.68	15.13	28.09	117.82	15.61	5.42	14.48	12.30	21.56 Ton/day
Max	4.42	16.16	13.27	13.27	13.27	16.75	30.54	733.08	45.62	14.41	58.82	31.97	733.08 Ton/day
Min	4.42	4.42	5.26	5.26	12.17	12.17	16.75	37.87	14.41	2.87	3.24	8.51	2.87 Ton/day

WATER YEAR : 2021

SOUTHERN PENINSULA WEST COAST

Khleng Dusan 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	2021		
Number of observation	10		
R-Square	0.7528		
Remarks	Continued Sediment Station		

$$QS = 3.6456 QW^{1.19400}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	14.40	32.70	32.70	14.40	116.87	51.72	144.90	303.63	153.25	54.55	15.06	35.33	
2	11.83	22.37	68.03	13.75	95.43	40.68	87.71	104.37	189.86	103.25	13.75	40.68	
3	11.20	19.37	55.49	13.10	60.27	48.92	61.23	70.99	134.28	85.53	18.63	26.22	
4	11.20	19.37	66.08	13.10	46.14	36.21	51.72	57.39	107.76	48.92	15.06	22.37	
5	13.10	27.00	52.66	11.83	36.21	30.17	57.39	61.23	94.32	41.58	14.40	20.11	
6	10.58	23.90	85.53	24.67	30.17	27.00	104.37	51.72	80.10	37.99	14.40	28.58	
7	47.07	37.10	86.62	80.10	25.44	25.44	314.38	82.26	71.97	35.33	12.46	72.97	
8	20.86	26.22	58.35	37.10	22.37	23.90	282.33	53.60	66.08	33.57	12.46	37.10	
9	17.16	20.86	40.68	47.07	20.86	136.63	160.80	53.60	59.31	31.83	12.46	30.97	
10	12.46	18.63	32.70	271.77	21.61	228.52	111.16	59.31	55.49	30.17	11.83	23.90	
11	10.58	17.16	30.17	137.80	24.67	126.11	74.95	50.78	52.66	28.58	11.20	20.11	
12	11.83	46.14	27.00	72.97	26.22	66.08	53.60	131.93	46.14	23.13	12.46	17.89	
13	22.37	71.97	24.67	45.23	27.79	63.16	46.14	136.63	40.68	23.13	10.58	16.44	
14	46.14	37.10	22.37	35.33	28.58	103.25	40.68	118.02	41.58	23.90	10.58	18.63	
15	30.17	36.21	20.86	35.33	24.67	89.90	37.10	99.88	46.14	23.90	13.10	40.68	
16	28.58	55.49	20.11	28.58	22.37	58.35	34.45	108.89	43.40	23.13	22.37	24.67	
17	20.86	59.31	18.63	24.67	33.57	50.78	33.57	120.32	47.99	21.61	71.97	19.37	
18	33.57	34.45	17.16	21.61	118.02	72.97	36.21	741.91	49.85	19.37	34.45	17.16	
19	18.63	27.79	15.72	19.37	129.60	142.53	34.45	595.78	45.23	18.63	20.11	17.16	
20	19.37	29.37	15.06	17.16	99.88	189.86	89.90	563.05	41.58	20.11	15.72	20.86	
21	25.44	82.26	22.37	15.72	83.35	154.45	47.99	341.05	38.88	19.37	22.37	21.61	
22	21.61	228.52	21.61	15.06	61.23	144.90	71.97	250.86	38.88	19.37	15.72	18.63	
23	33.57	134.28	18.63	15.06	48.92	115.73	91.00	138.98	37.10	17.89	13.10	18.63	
24	61.23	66.08	17.16	14.40	41.58	73.96	137.80	266.52	38.88	16.44	13.75	21.61	
25	36.21	44.31	15.06	13.75	51.72	52.66	179.16	154.45	36.21	15.72	20.86	32.70	
26	27.79	37.10	15.72	13.10	70.99	57.39	71.97	113.44	33.57	15.06	92.11	124.95	
27	23.90	40.68	15.72	11.83	63.16	54.55	82.26	99.88	31.83	15.06	170.42	70.99	
28	20.86	70.99	15.72	11.83	40.68	72.97	120.32	138.98	30.97	14.40	59.31	36.21	
29	27.00	45.23	21.61	13.10	32.70	115.73	65.10	278.80	30.97	14.40		29.37	
30	41.58	32.70	17.89	23.13	44.31	424.46	73.96	153.25	56.44	15.06		23.90	
31		29.37		47.07	88.81		257.80		41.58	20.11		23.13	
Total	731.15	1474.03	972.08	1158.99	1638.19	2878.98	3056.37	5501.50	1882.98	911.09	770.69	972.93	21948.98 Tonday
Mean	24.37	47.55	32.40	37.39	52.84	95.97	98.59	183.38	60.74	29.39	27.52	31.38	60.13 Ton/day
Max	61.23	228.52	86.62	271.77	129.60	424.46	314.38	741.91	189.86	103.25	170.42	124.95	741.91 Ton/day
Min	10.58	17.16	15.06	11.83	20.86	23.90	33.57	50.78	30.97	14.40	10.58	16.44	10.58 Ton/day

WATER YEAR : 2021

SOUTHERN PENINSULA WEST COAST

Klong 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	15 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	2021		
Number of observation	11		
R-Square	0.7873		
Remarks	Continued Sediment Station		

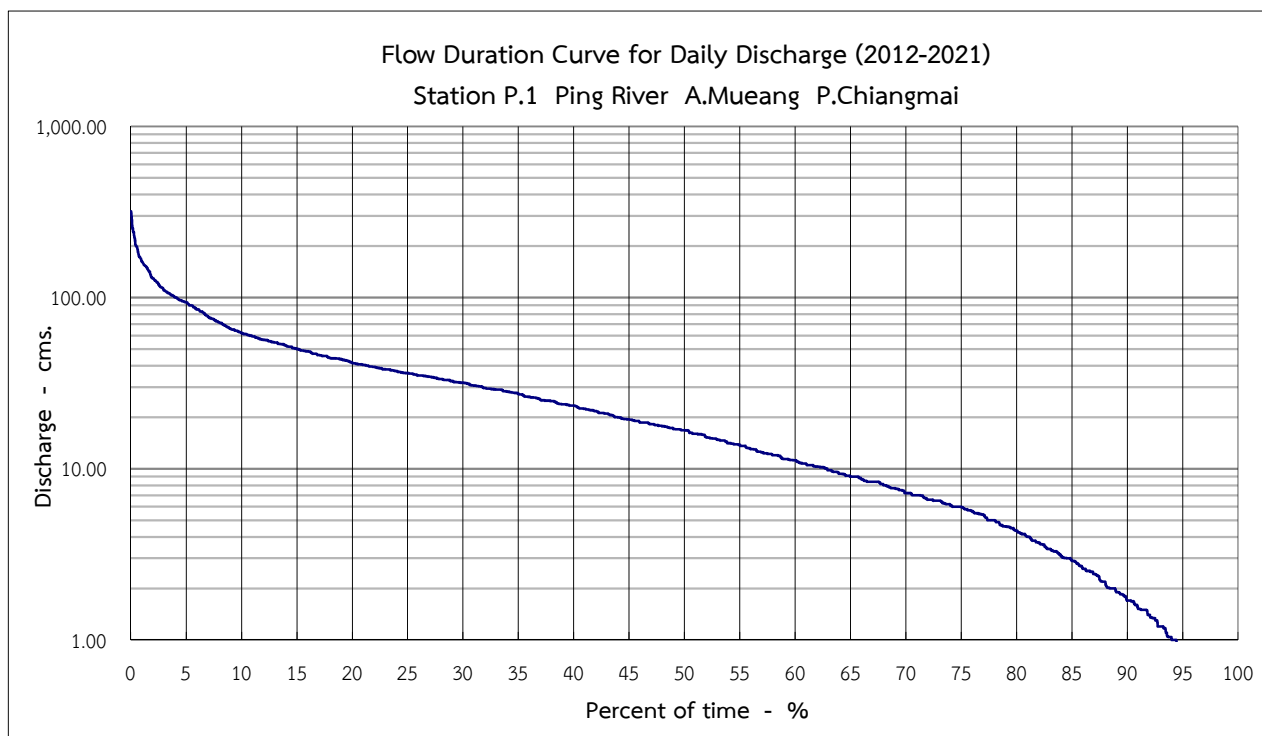
$$QS = 4.7698 QW^{1.33620}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2021 to 31 March 2022

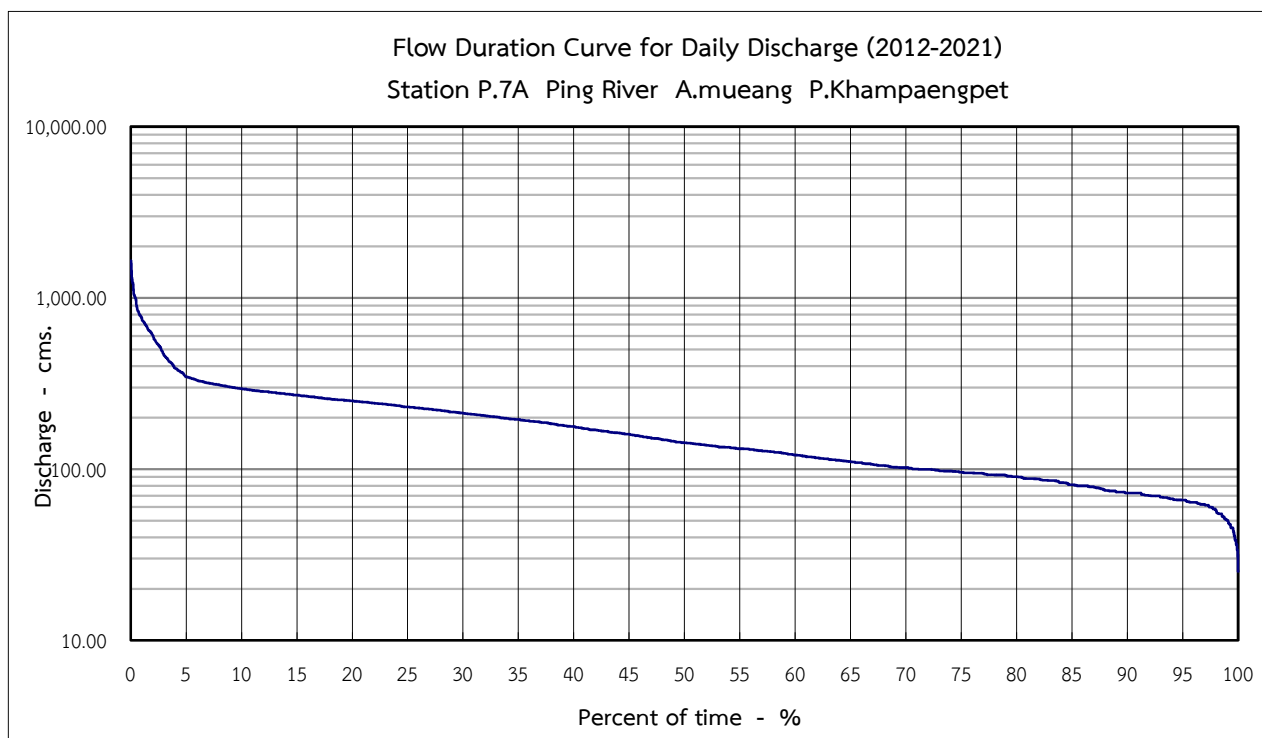
Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.00	0.00	0.00	0.00	15.19	32.25	21.63	14.18	146.42	2.63	0.71	0.00	
2	0.00	0.00	0.00	0.00	30.41	26.81	20.52	14.18	122.66	2.20	0.41	0.00	
3	0.00	0.00	0.00	0.00	68.30	20.52	18.34	15.19	84.43	2.63	0.41	0.00	
4	0.00	0.00	0.00	0.00	95.64	18.34	17.28	16.23	58.41	2.20	0.16	0.00	
5	0.00	0.00	0.00	0.00	78.96	15.19	17.28	17.28	45.86	2.20	0.16	0.00	
6	0.00	0.00	0.00	0.00	56.27	14.18	76.26	18.34	28.59	2.20	0.16	0.00	
7	0.00	0.00	1.79	11.25	37.93	12.20	129.34	17.28	20.52	1.79	0.16	0.00	
8	0.00	0.00	2.63	56.27	23.32	11.25	203.29	16.23	17.28	1.79	0.00	0.00	
9	0.00	0.00	0.00	49.96	20.52	11.25	116.07	15.19	15.19	1.40	0.00	0.00	
10	0.00	0.00	28.59	39.88	16.23	63.13	78.96	14.18	13.18	1.40	0.00	0.00	
11	0.00	0.00	4.90	41.85	18.34	73.58	58.41	14.18	12.20	1.40	0.00	0.00	
12	0.00	0.00	2.63	37.93	30.41	63.13	43.84	26.81	12.20	1.04	0.00	0.00	
13	0.00	0.00	2.20	21.63	32.25	52.04	32.25	49.96	11.25	1.04	0.00	0.00	
14	0.00	0.00	0.41	47.90	26.81	45.86	28.59	87.20	10.38	1.04	0.00	0.00	
15	0.00	0.00	0.00	41.85	23.32	43.84	25.05	98.50	10.38	1.04	0.00	0.00	
16	0.00	0.00	0.00	23.32	20.52	36.01	23.32	84.43	9.54	1.04	0.00	0.00	
17	0.00	0.00	0.00	41.85	19.42	30.41	20.52	76.26	8.71	0.71	0.00	0.00	
18	0.00	0.00	0.00	65.70	18.34	28.59	19.42	65.70	7.91	0.71	0.00	0.00	
19	0.00	0.00	0.00	47.90	17.28	47.90	19.42	54.14	6.36	0.71	0.00	0.00	
20	0.00	0.16	0.00	26.81	16.23	58.41	18.34	47.90	5.62	0.71	0.00	0.00	
21	0.00	1.04	14.18	19.42	16.23	45.86	17.28	43.84	4.21	0.71	0.00	11.25	
22	0.00	0.00	9.54	18.34	16.23	32.25	17.28	39.88	4.21	0.71	0.00	0.71	
23	0.00	0.00	5.62	15.19	15.19	28.59	16.23	34.12	4.21	0.71	0.00	0.00	
24	0.00	1.40	3.54	10.38	36.01	26.81	16.23	32.25	3.54	0.71	0.00	0.00	
25	0.00	8.71	2.63	23.32	52.04	25.05	15.19	28.59	3.54	0.71	0.00	0.00	
26	0.00	9.54	2.63	25.05	60.58	23.32	14.18	28.59	3.08	0.71	0.00	0.00	
27	0.00	11.25	1.79	15.19	84.43	21.63	13.18	26.81	3.08	0.71	0.00	0.00	
28	0.00	2.63	1.40	17.28	58.41	25.05	12.20	21.63	2.63	0.71	0.00	0.00	
29	1.40	0.71	0.41	41.85	43.84	23.32	12.20	20.52	2.63	0.71		0.00	
30	0.00	0.00	0.00	25.05	39.88	21.63	12.20	28.59	2.63	0.71		0.00	
31		0.00		15.19	36.01		15.19		2.63	0.71		0.00	
Total	1.40	35.44	84.89	780.36	1124.54	978.40	1149.49	1068.18	683.48	37.69	2.17	11.96	5958.00 Tonday
Mean	0.05	1.14	2.83	25.17	36.28	32.61	37.08	35.61	22.05	1.22	0.08	0.39	16.32 Ton/day
Max	1.40	11.25	28.59	65.70	95.64	73.58	203.29	98.50	146.42	2.63	0.71	11.25	203.29 Ton/day
Min	0.00	0.00	0.00	0.00	15.19	11.25	12.20	14.18	2.63	0.71	0.00	0.00	0.00 Ton/day

Appendix

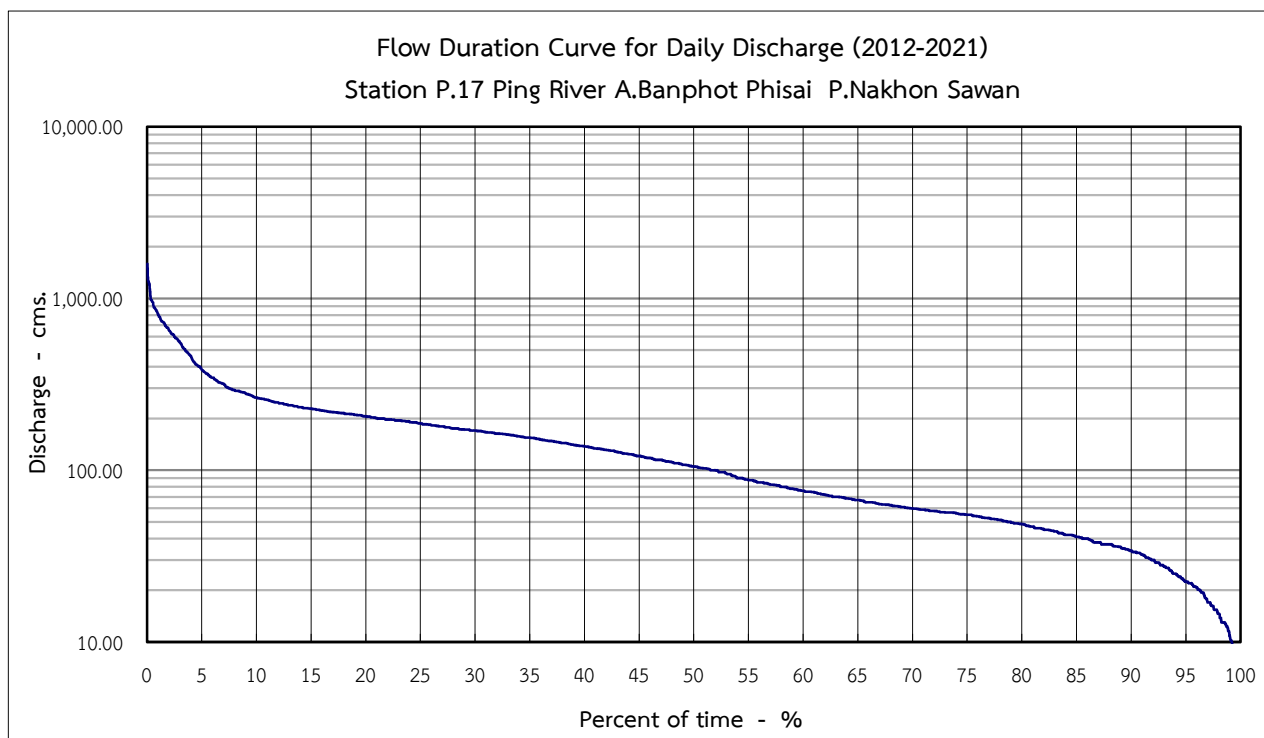
Flow Duration Curve for Daily Discharge
(2012-2021)



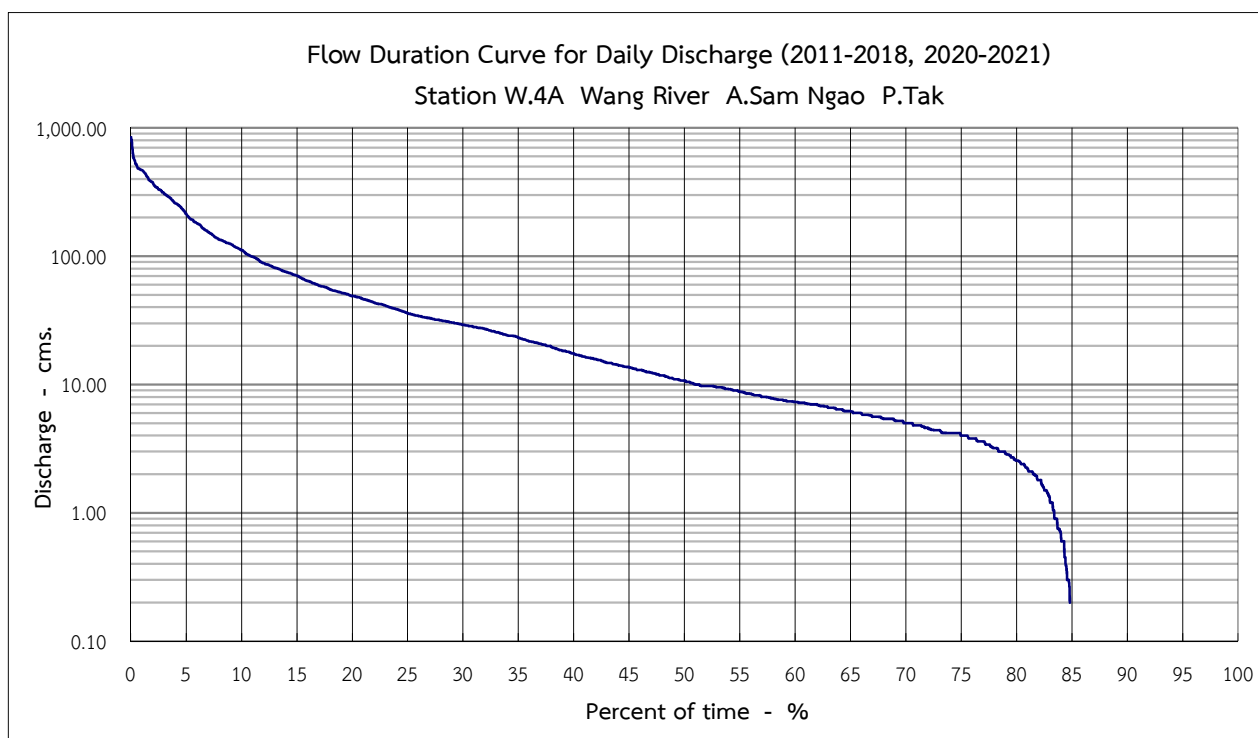
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	162.8	62.1	41.4	31.8	16.8	11.2	4.3	2.9	1.7	0.9	0.1



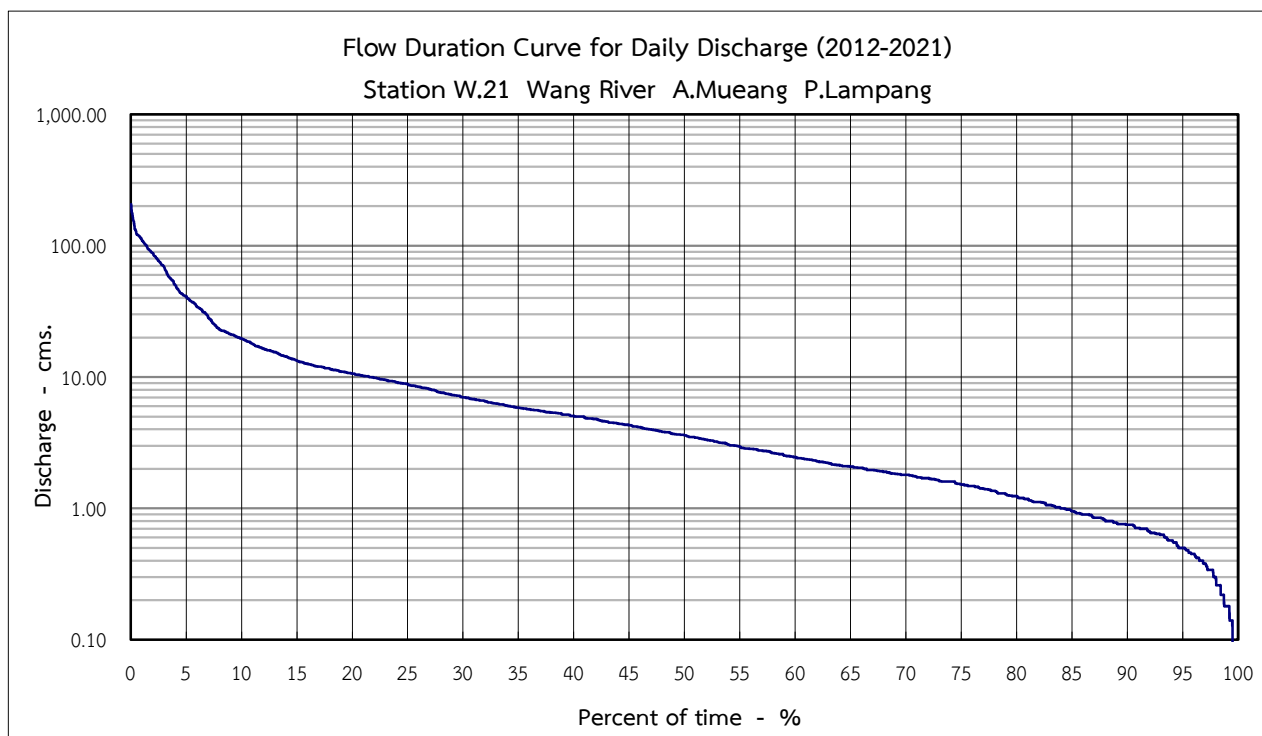
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	755.5	294.7	250.8	212.4	142.6	120.8	90.2	81.1	72.4	66.0	25.3



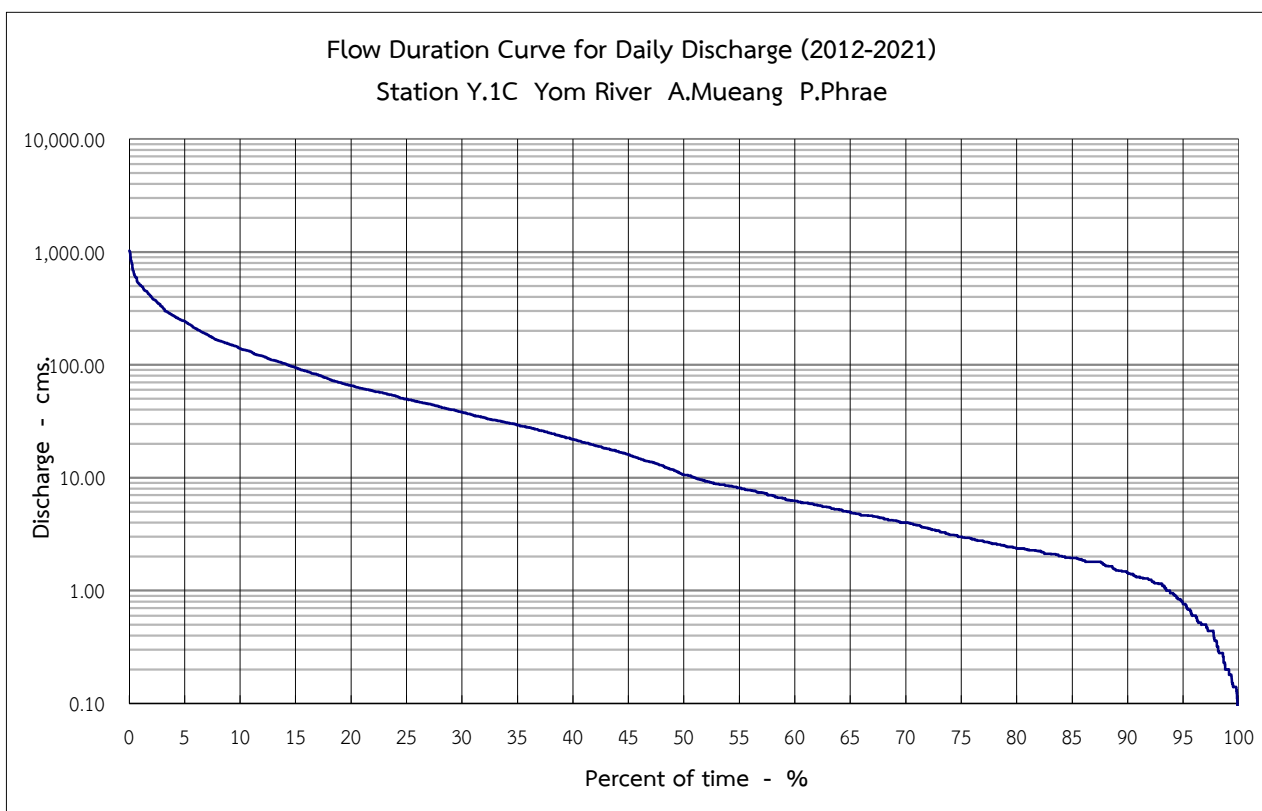
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	807.4	265.0	206.0	170.0	105.0	76.0	48.5	41.0	34.0	22.4	3.0



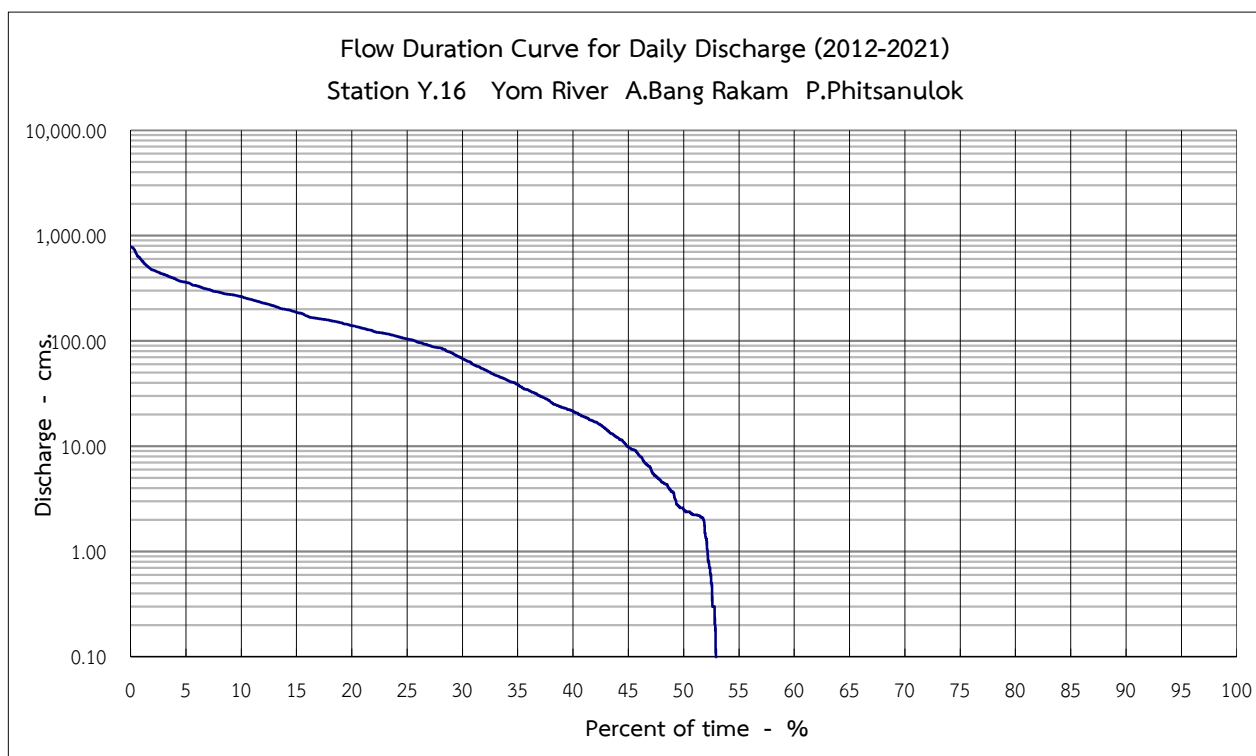
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	467.8	111.4	48.9	29.2	10.7	7.3	2.6	0.0	0.0	0.0	0.0



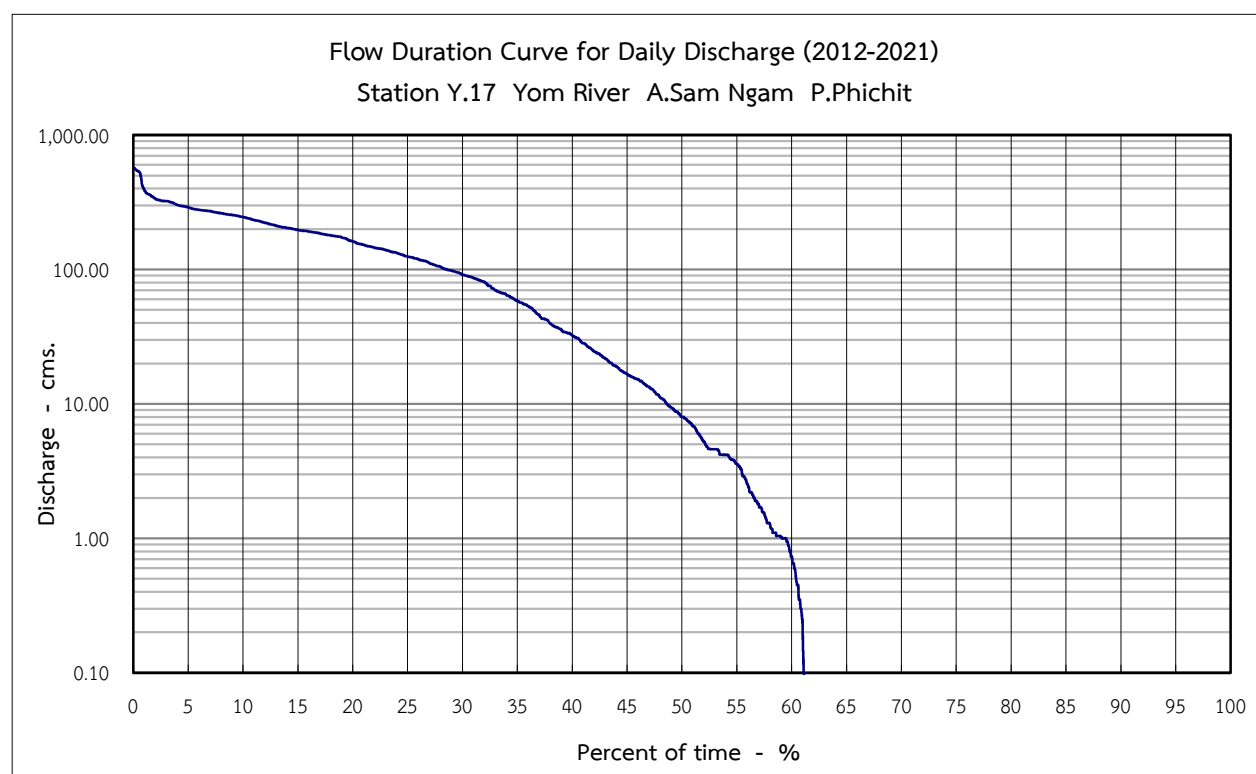
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	110.4	19.6	10.6	7.0	3.6	2.5	1.2	1.0	0.8	0.5	0.0



Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	507.8	139.5	65.4	38.3	10.6	6.2	2.4	2.0	1.4	0.8	0.1



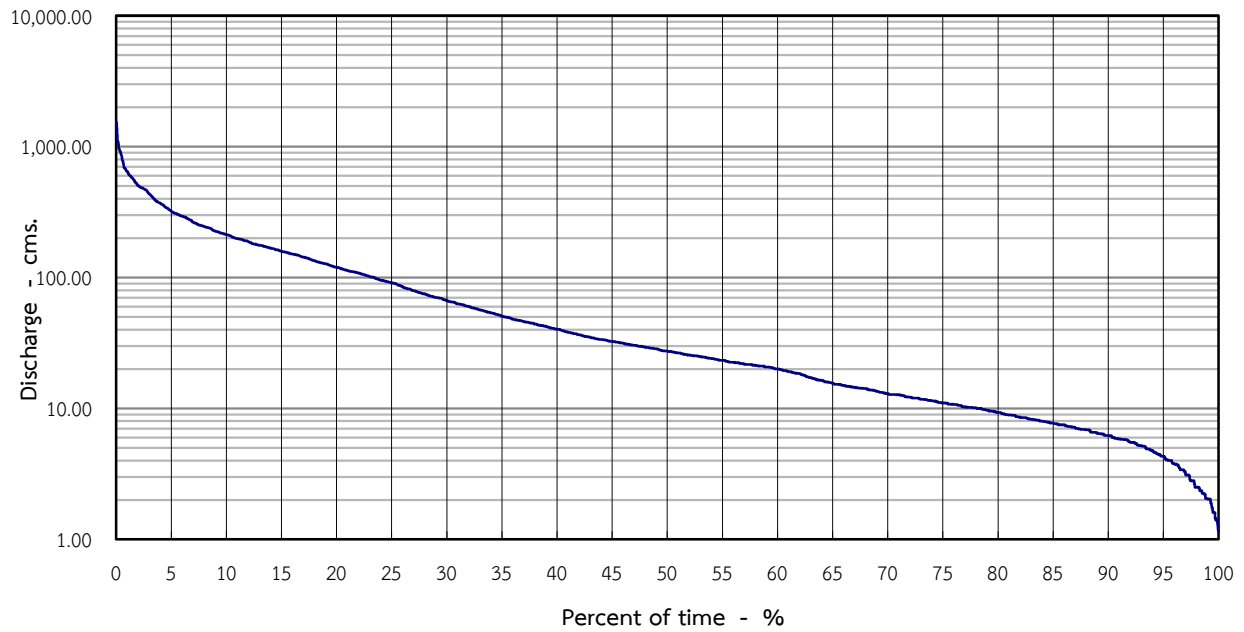
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	582.5	263.0	139.6	67.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0



Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	389.9	245.6	161.7	91.5	8.0	0.7	0.0	0.0	0.0	0.0	0.0

Flow Duration Curve for Daily Discharge (2012-2021)

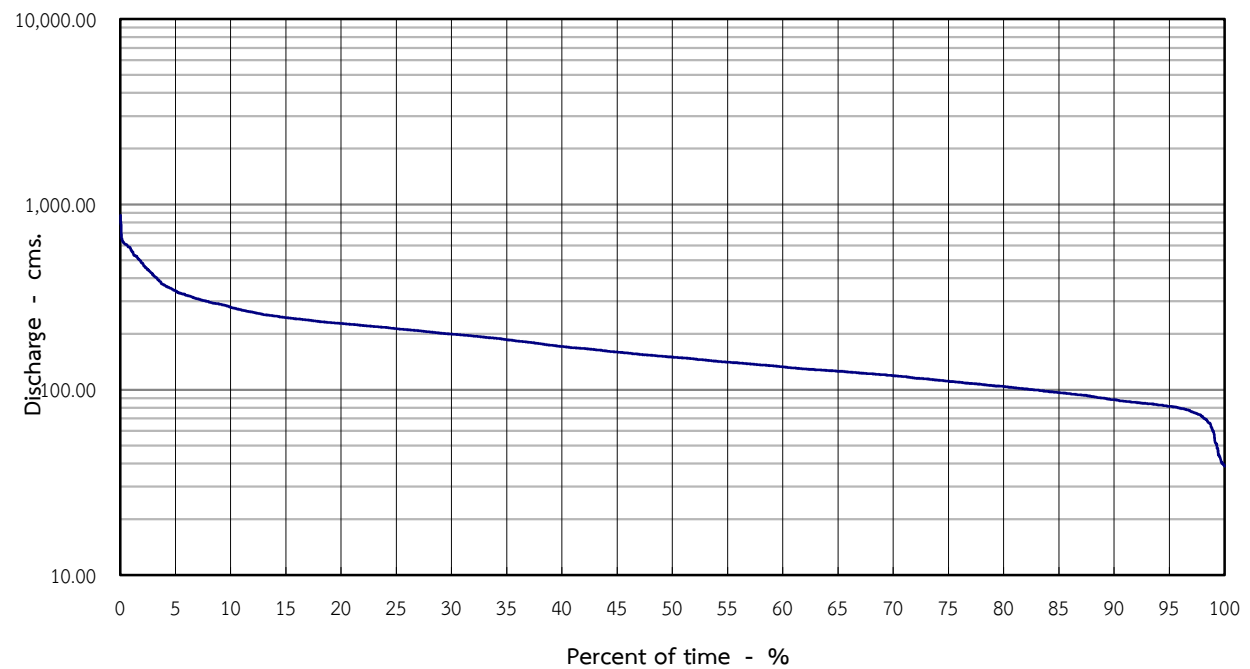
Station N.1 Nan River A.mueang P.Nan



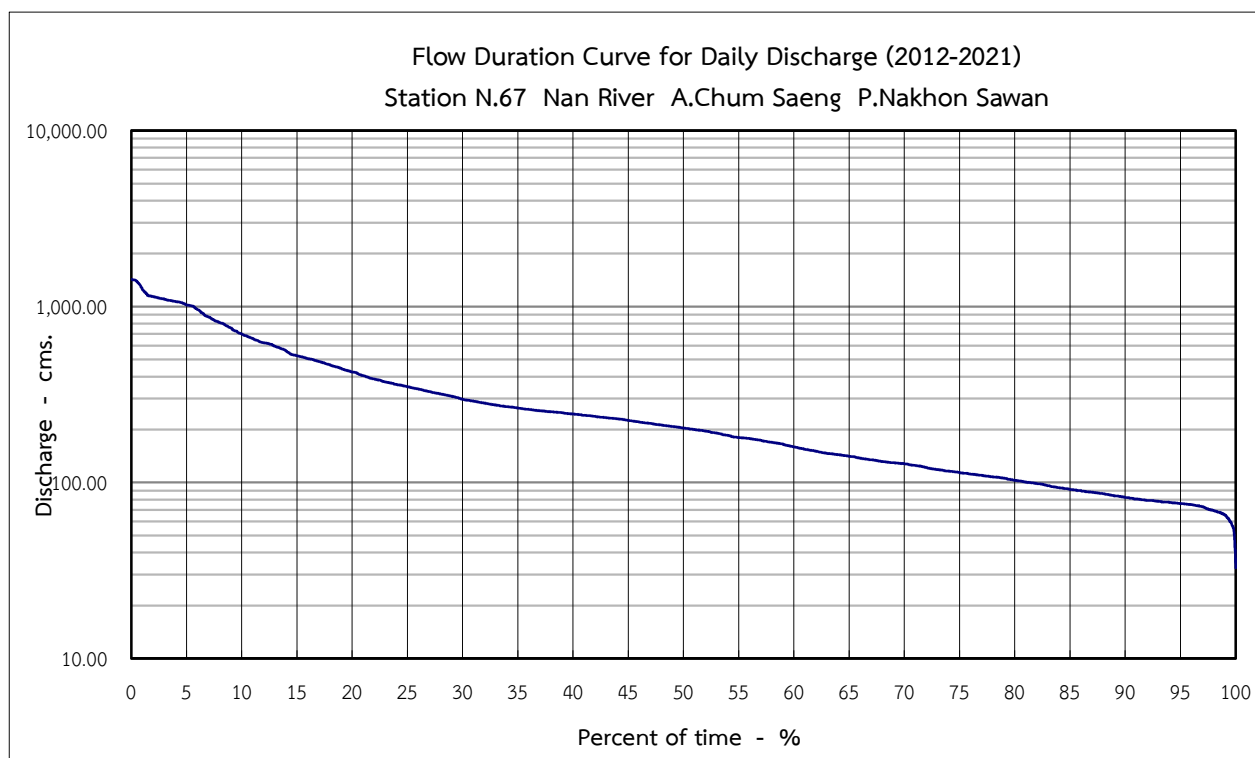
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	648.8	212.2	119.8	66.7	27.4	20.0	9.3	7.7	6.2	4.3	1.2

Flow Duration Curve for Daily Discharge (2012-2021)

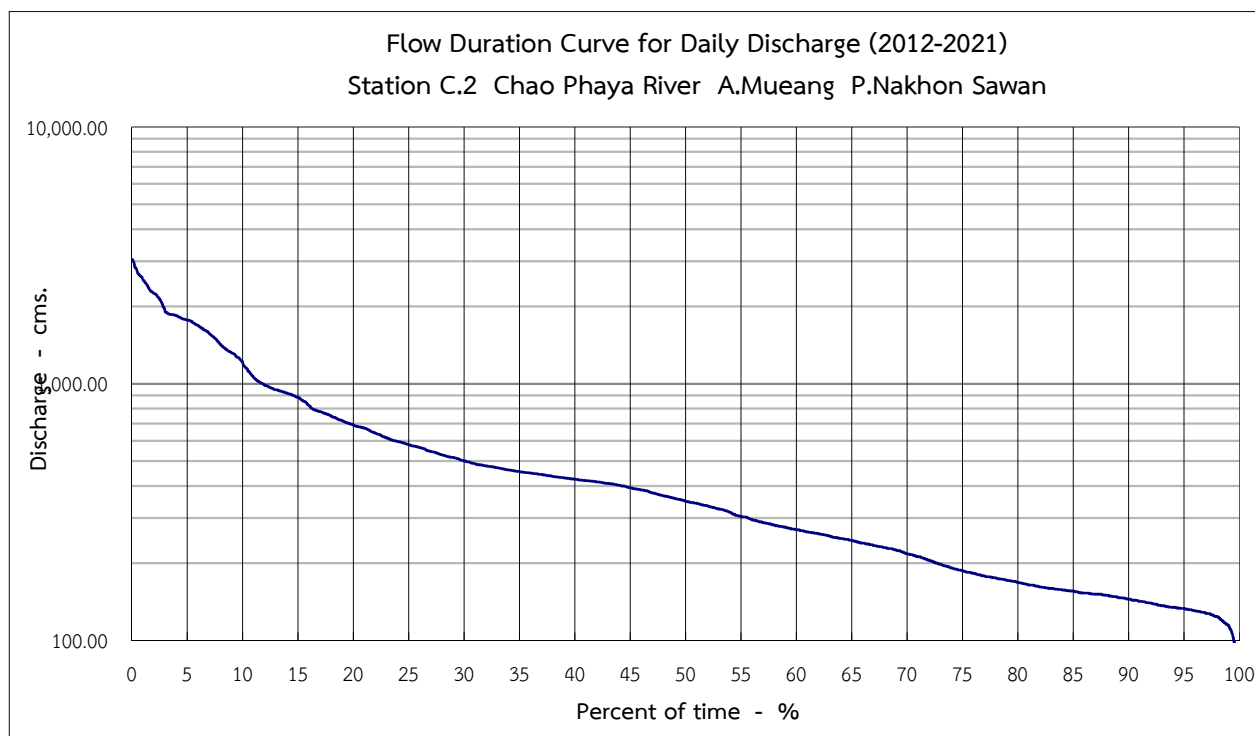
Station N.5A Nan River A.mueang P.Phitsanulok



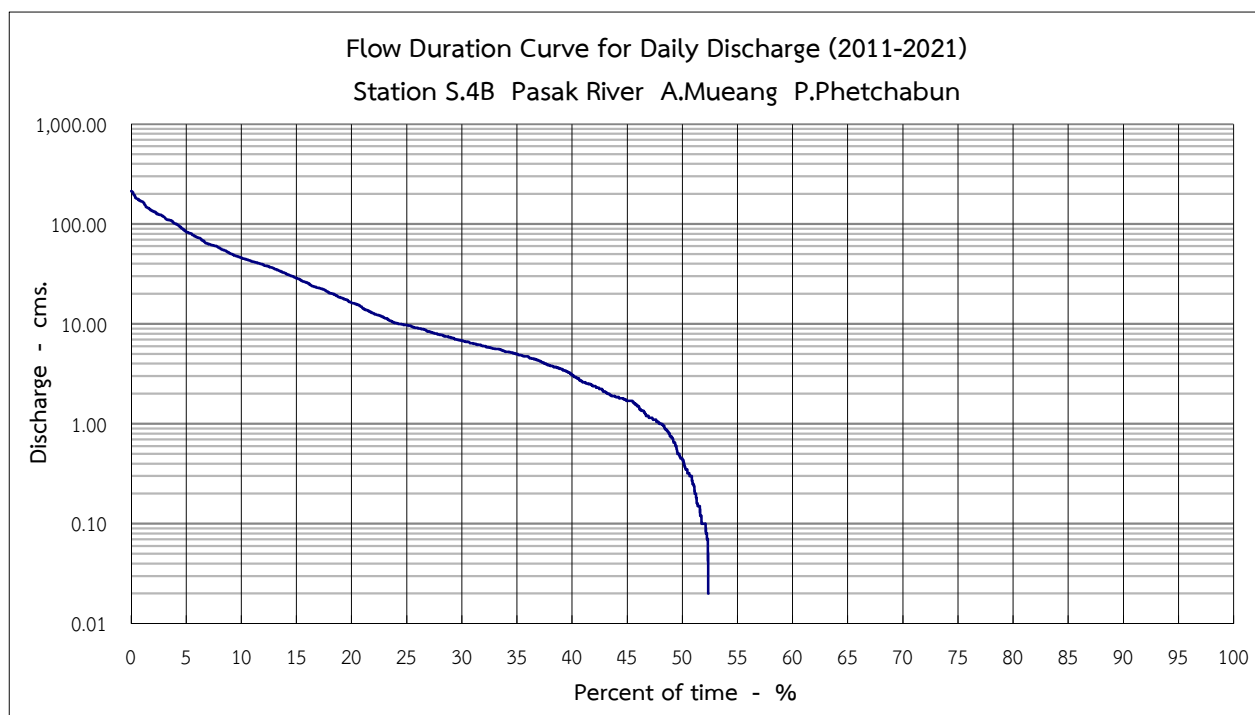
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	568.1	279.0	228.0	199.9	150.1	133.0	104.0	96.6	88.4	81.4	38.7



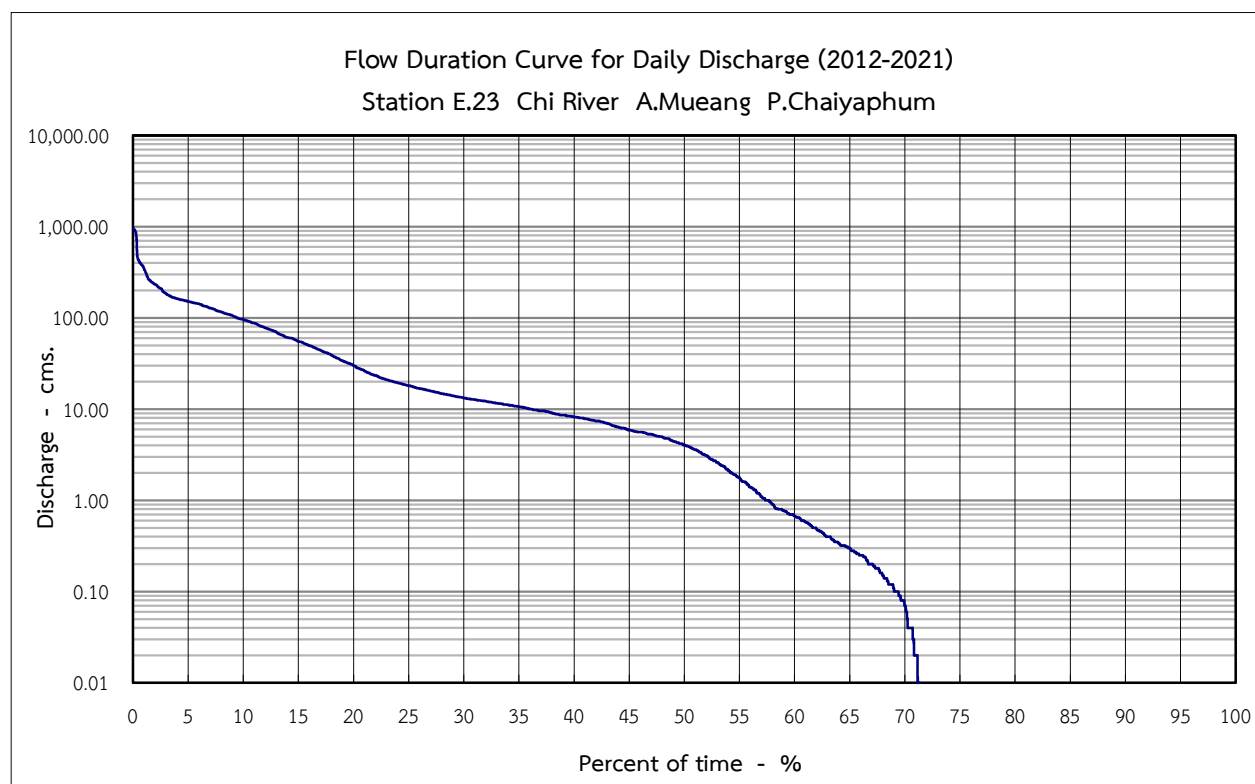
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	1,255.3	698.0	424.8	296.9	204.0	159.4	103.1	91.5	82.2	76.0	32.7



Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	2,544.1	1,216.9	691.6	501.3	349.2	270.2	168.4	156.0	144.9	133.5	64.8



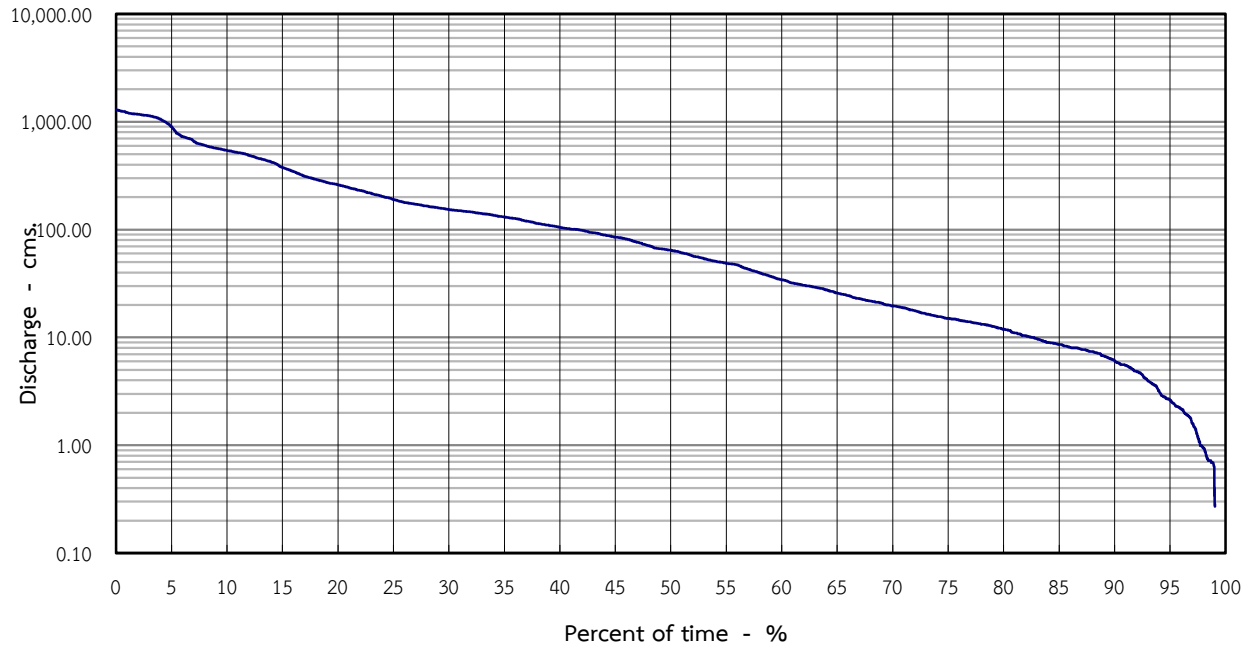
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	168.2	45.9	16.3	6.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0



Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	343.8	95.9	30.0	13.3	4.0	0.7	0.0	0.0	0.0	0.0	0.0

Flow Duration Curve for Daily Discharge (2012-2021)

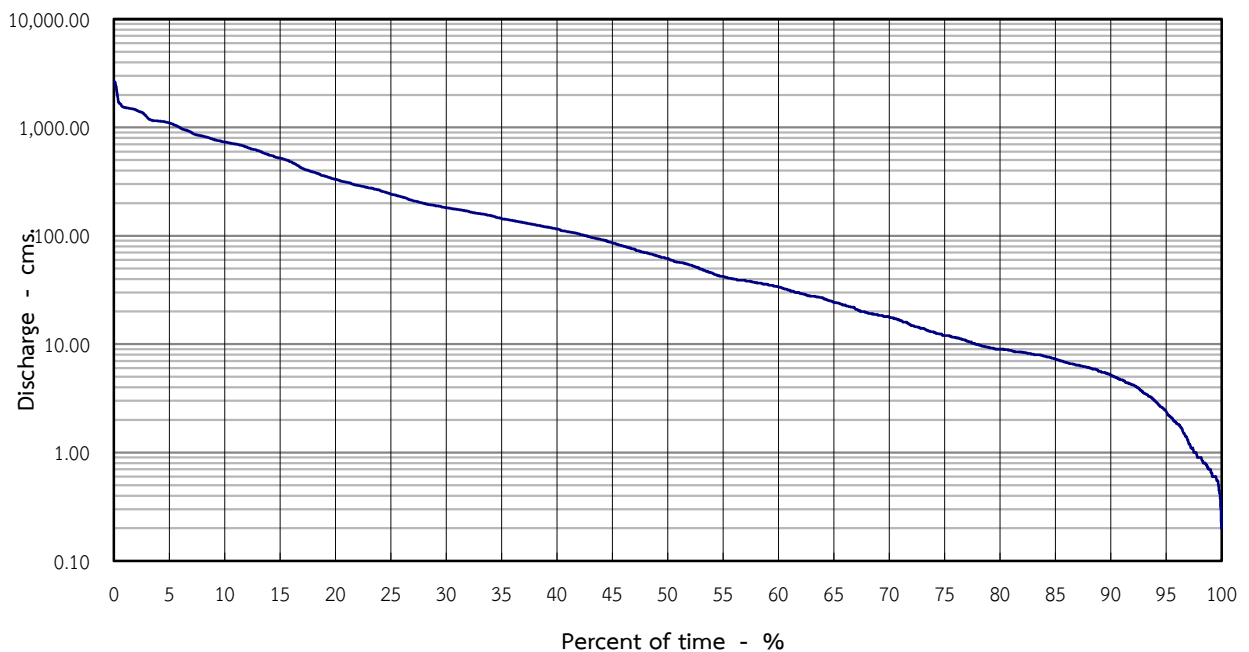
E.18 Chi River K.A.Thung Khao Luang P.Roi Et



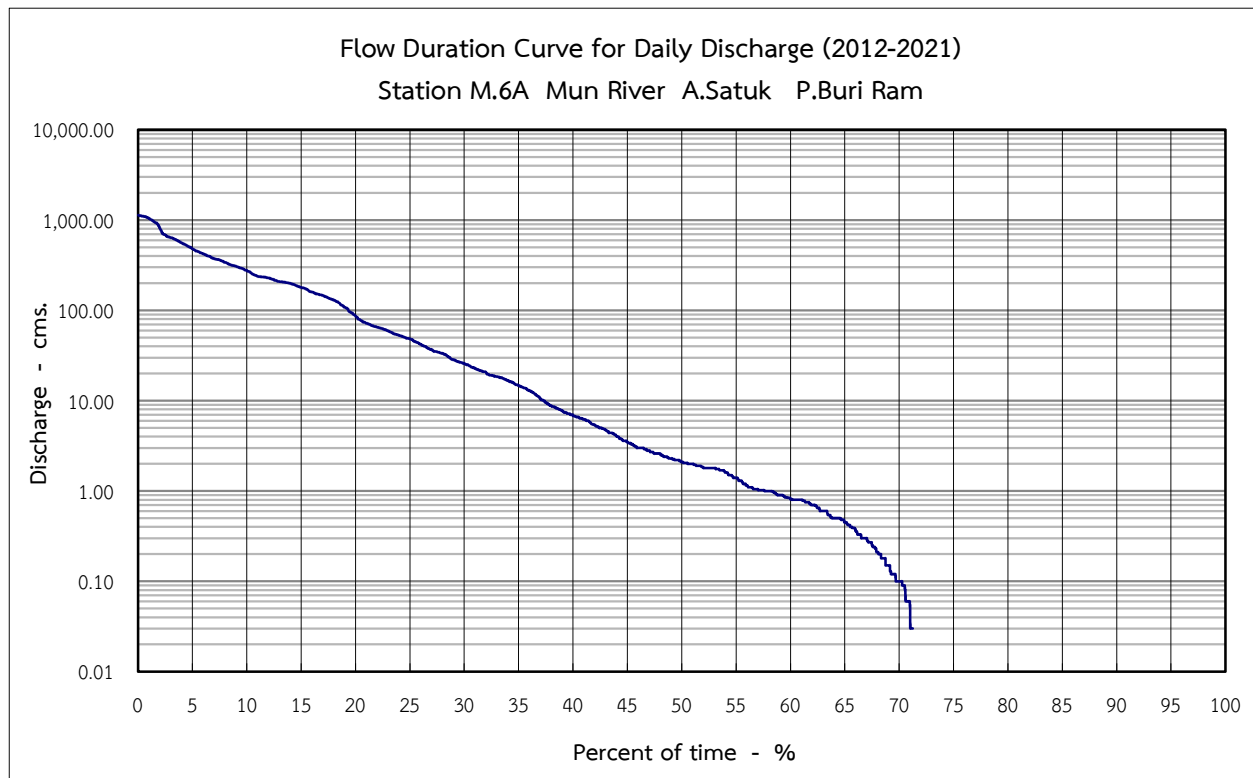
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	1,214.5	541.8	260.6	153.5	64.5	34.3	11.9	8.6	6.1	2.6	0.0

Flow Duration Curve for Daily Discharge (2012-2021)

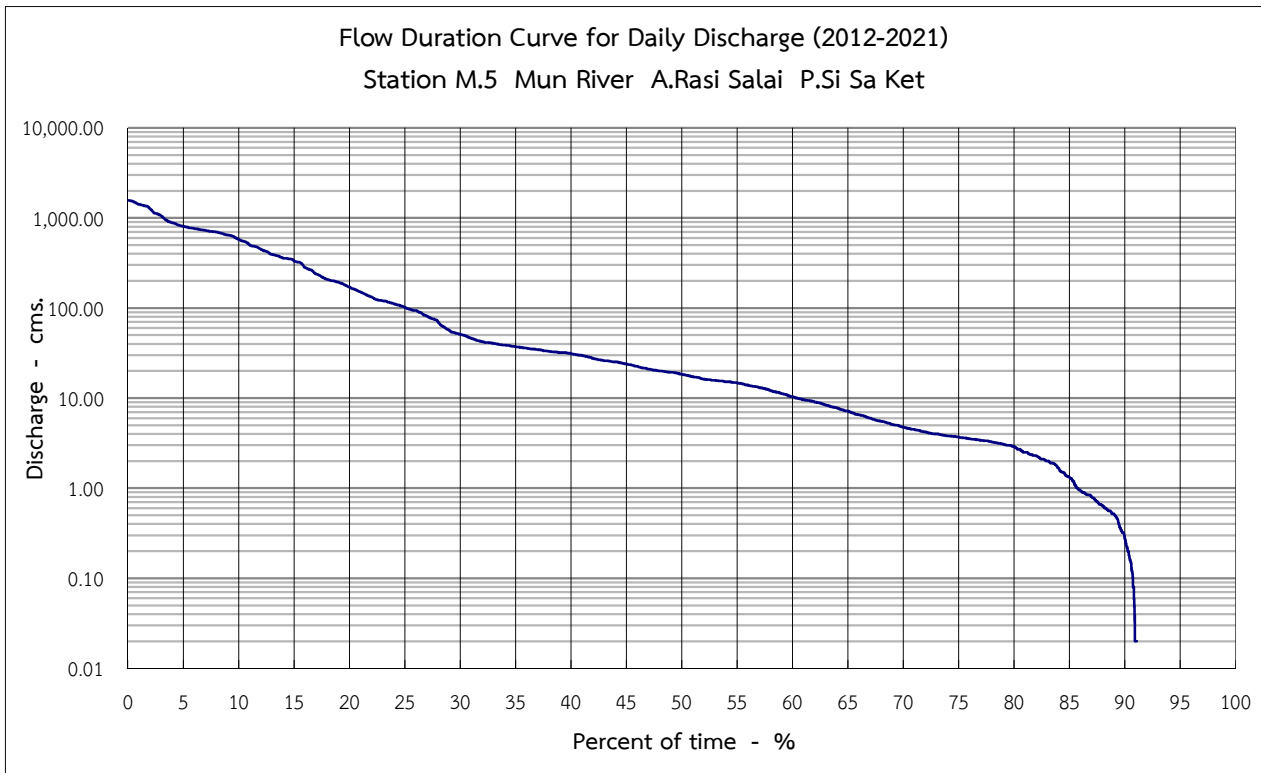
Station E.20A Chi River A.Maha Chana Chai P.Yasothon



Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	1,530.0	733.0	332.1	181.7	61.7	33.9	9.0	7.3	5.2	2.4	0.2

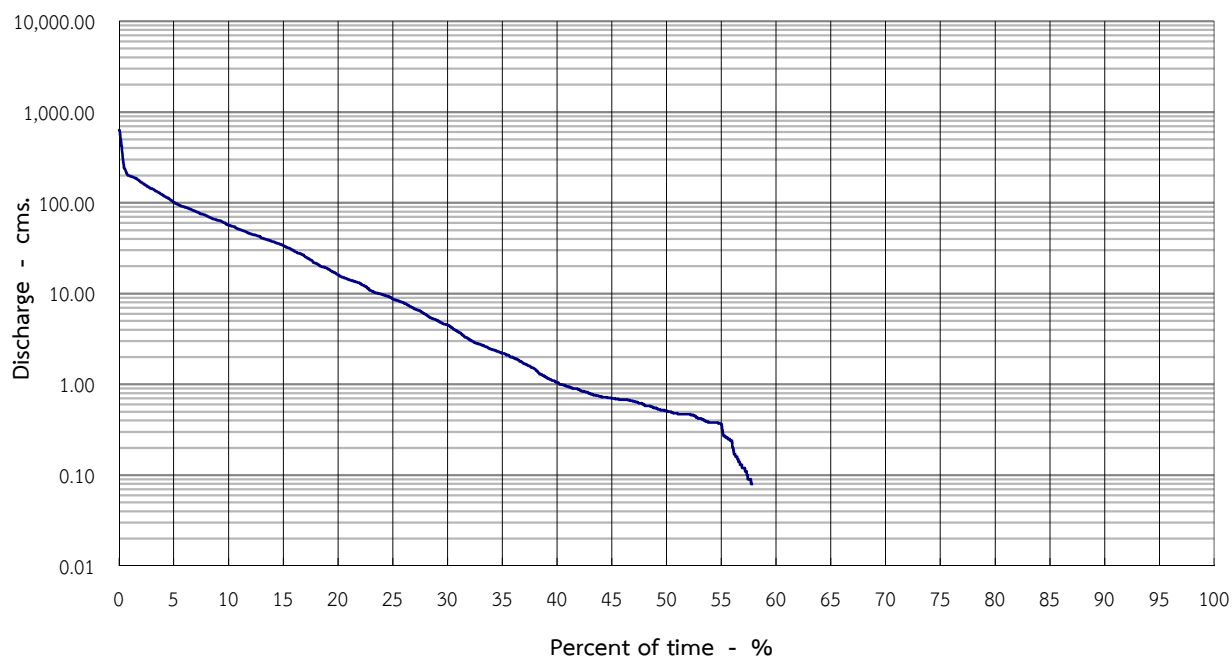


Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	1,049.4	277.3	86.7	25.8	2.1	0.8	0.0	0.0	0.0	0.0	0.0



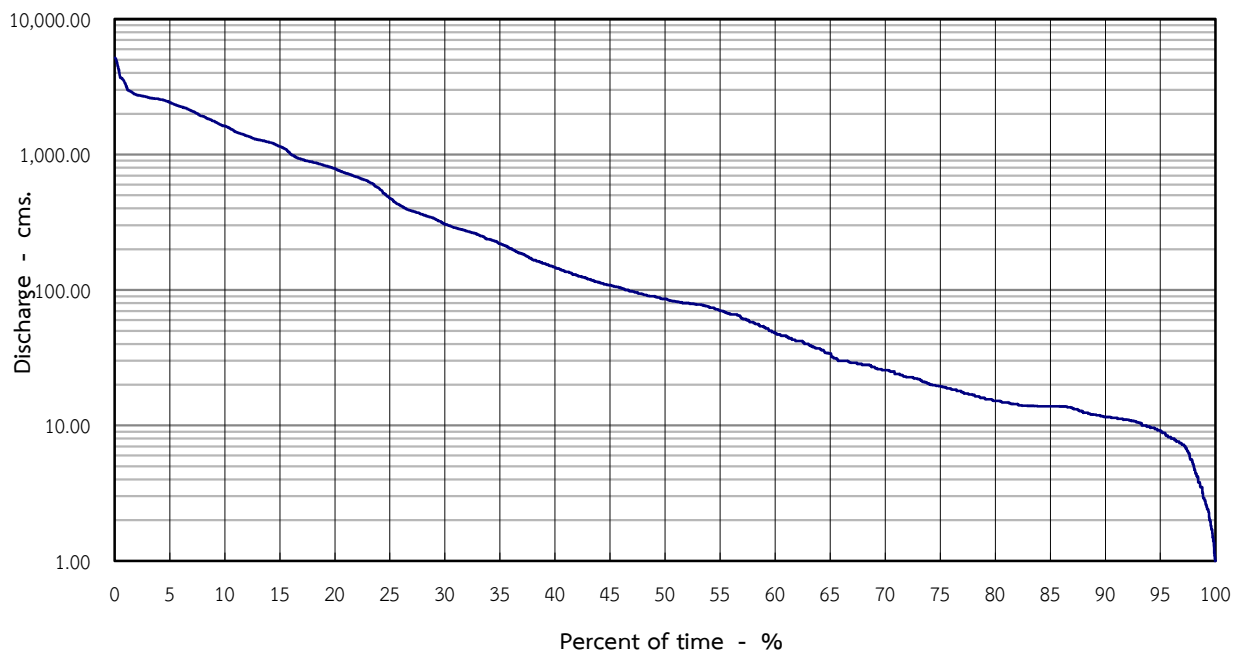
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	1,415.2	577.9	171.0	51.0	18.5	10.4	2.9	1.3	0.3	0.0	0.0

Flow Duration Curve for Daily Discharge (2012-2021)
Station M.9 Huai Samran A.Mueang P.Si Sa Ket

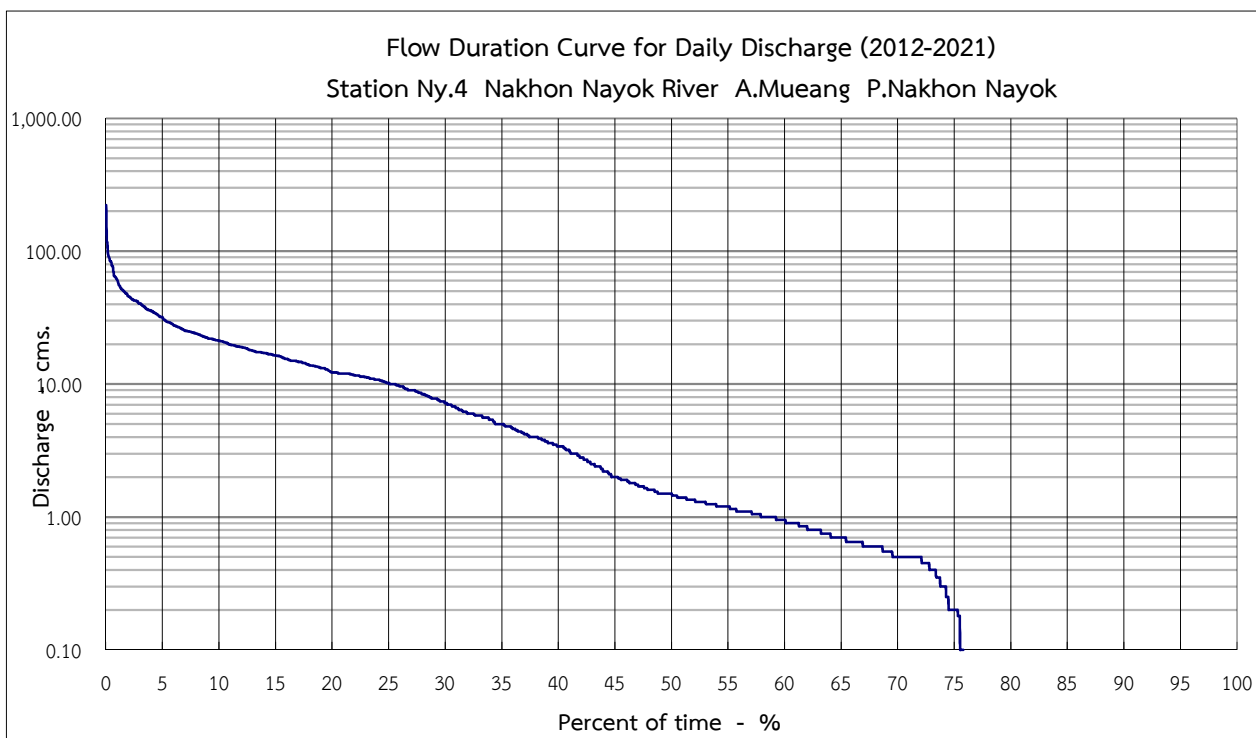


Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	197.7	56.9	16.0	4.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0

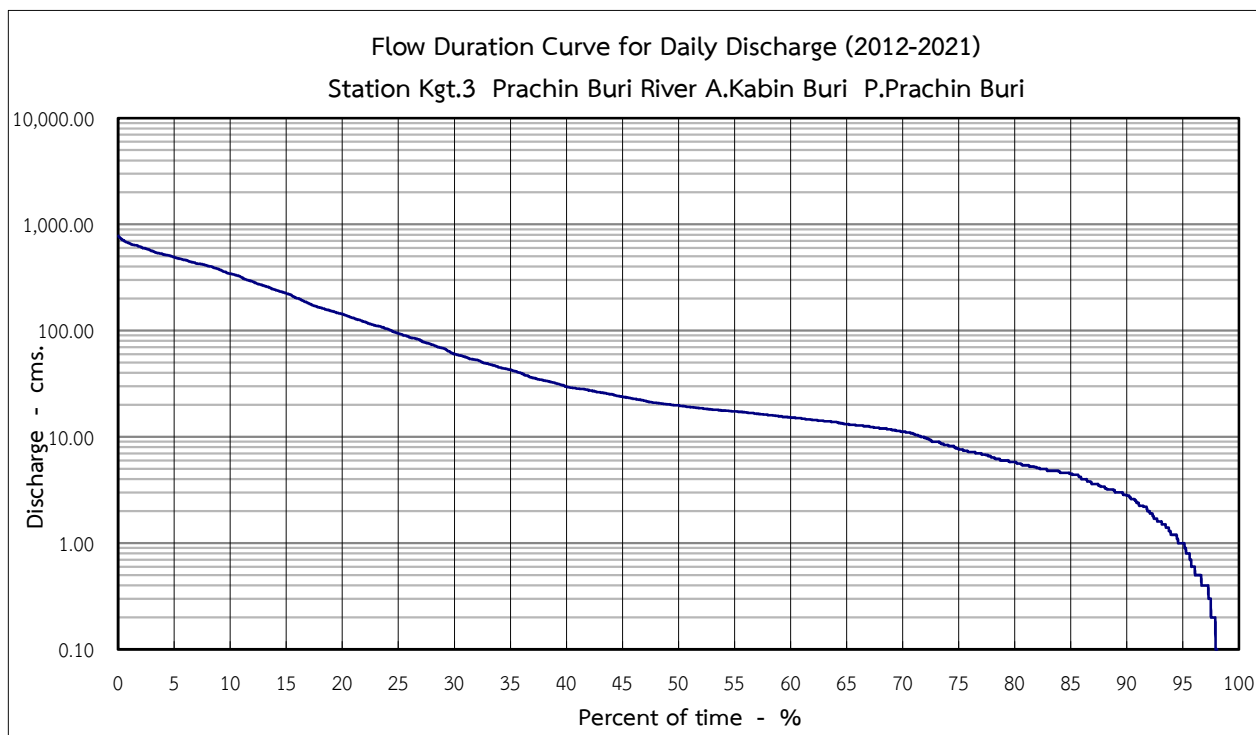
Flow Duration Curve for Daily Discharge (2012-2021)
Station M.7 Mun River A.Mueang P.Ubon Ratchathani



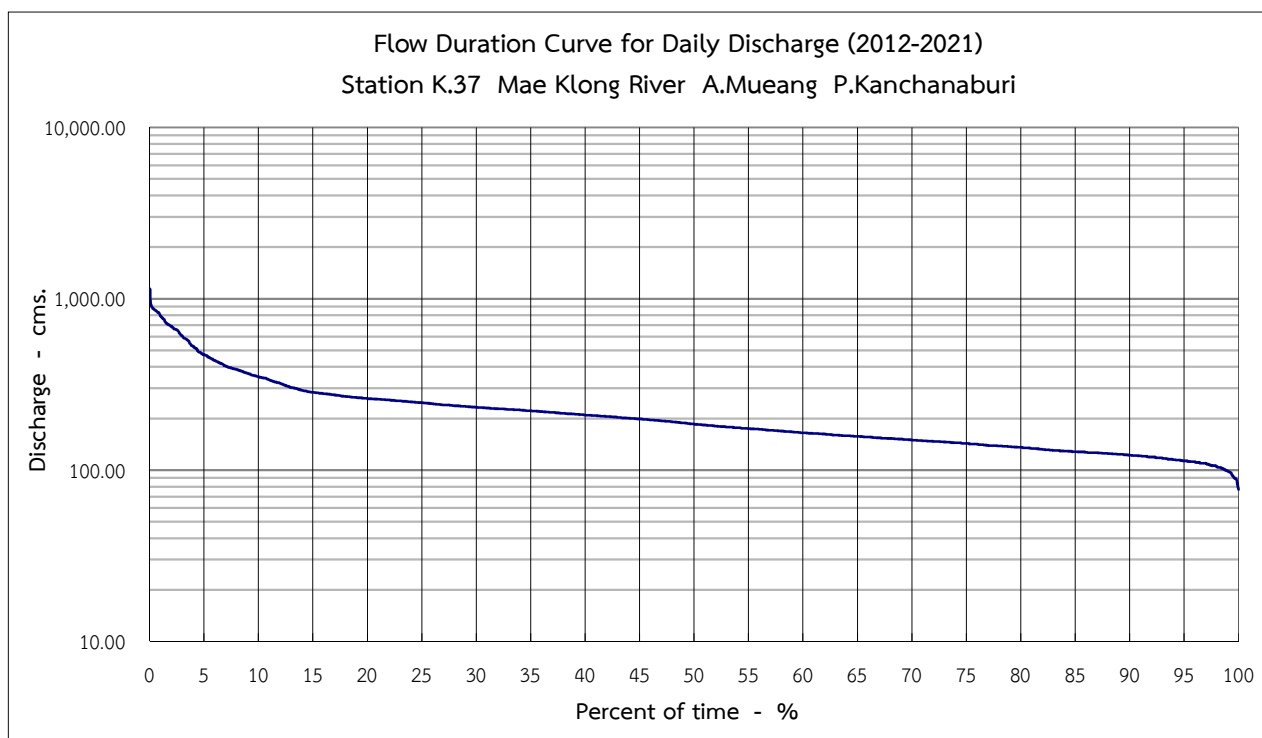
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	3,260.3	1,622.0	789.5	306.1	86.0	48.0	15.2	13.8	11.5	9.2	1.0



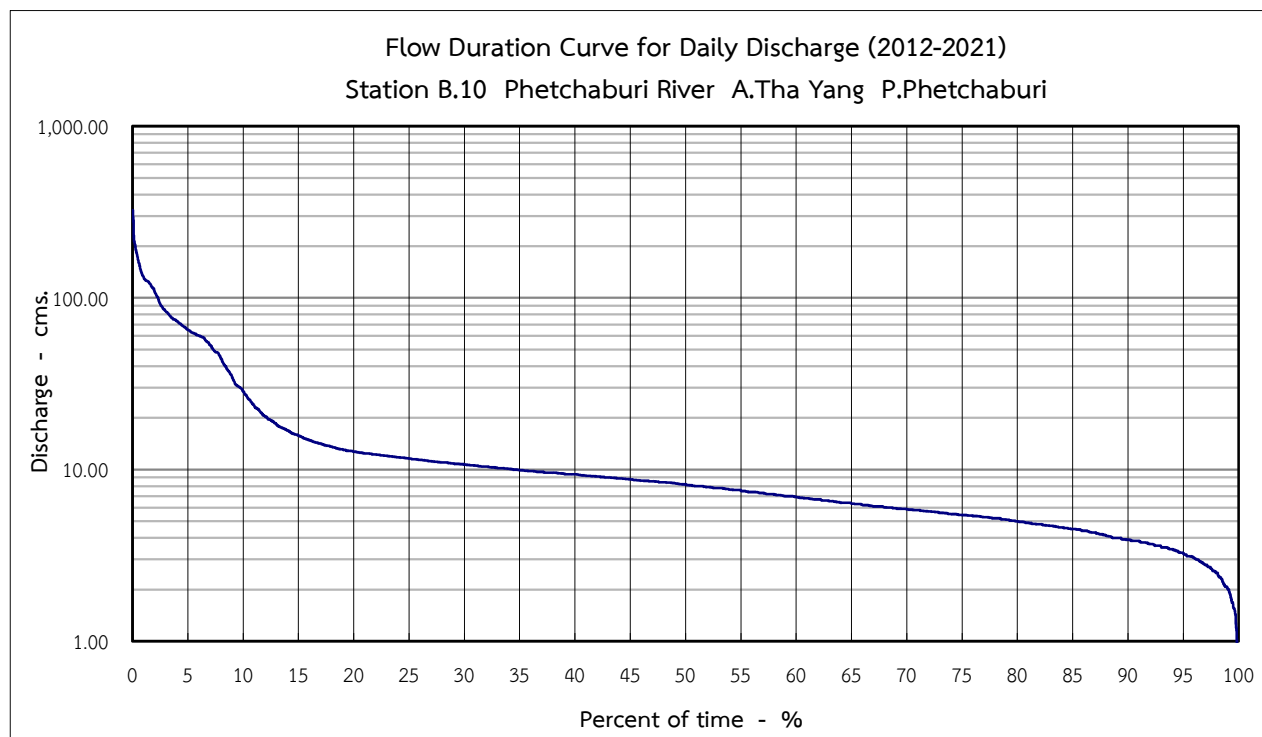
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	60.9	21.2	12.3	7.2	1.5	1.0	0.0	0.0	0.0	0.0	0.0



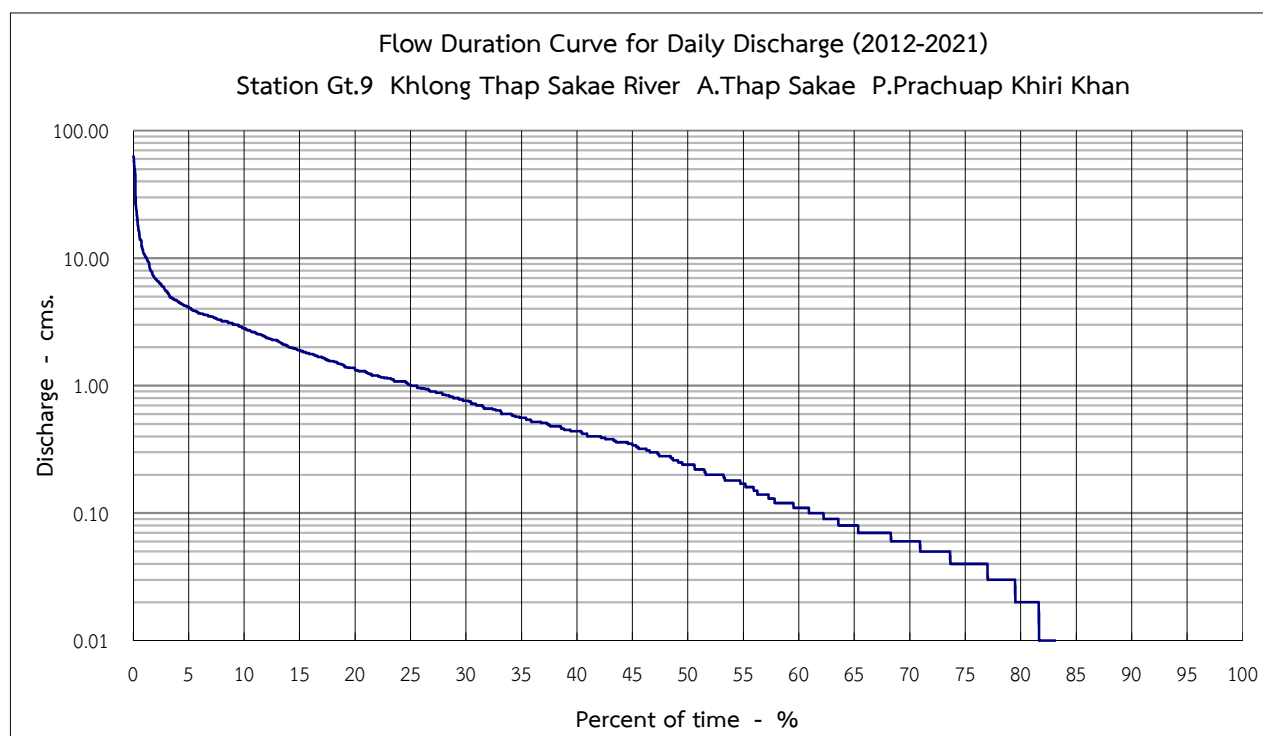
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	664.5	342.8	143.4	60.2	19.8	15.2	5.8	4.5	2.8	1.0	0.0



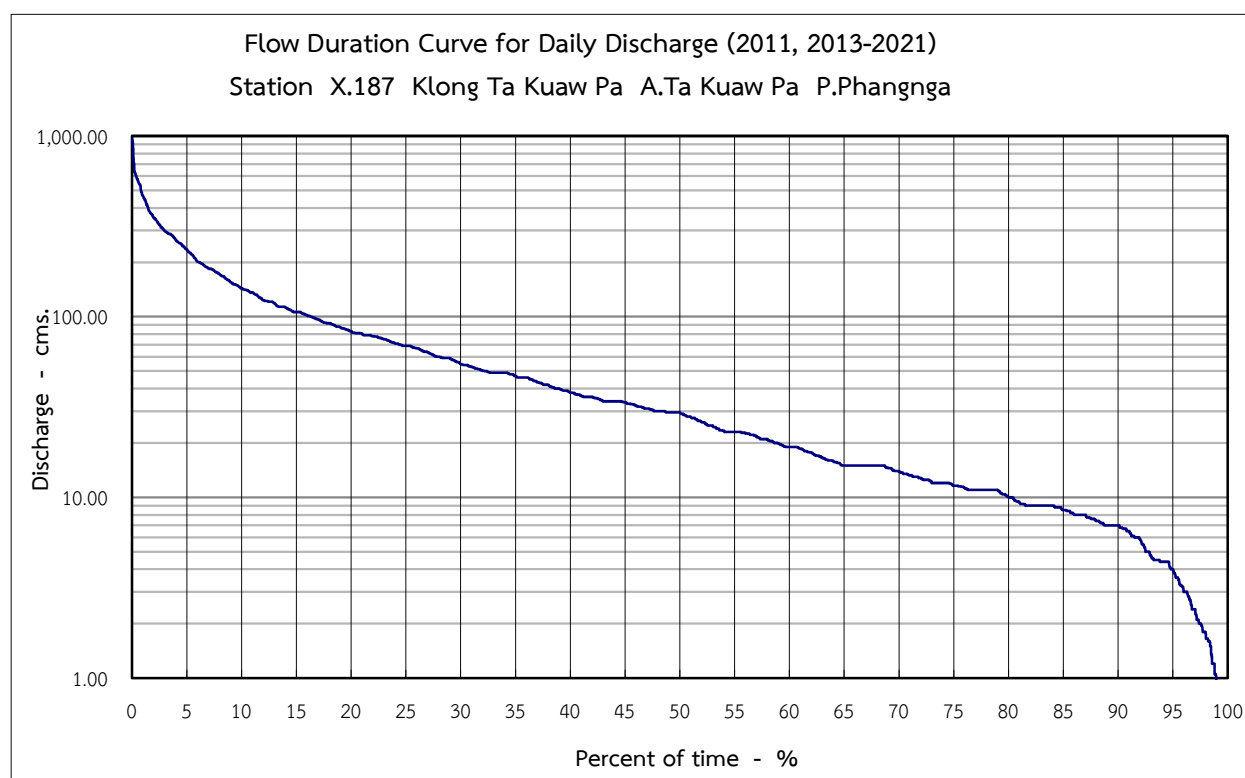
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	793.5	350.2	261.1	232.5	185.5	165.0	136.0	127.8	122.0	113.2	77.0



Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	132.3	28.6	12.7	10.7	8.2	6.9	5.0	4.5	3.9	3.3	0.4

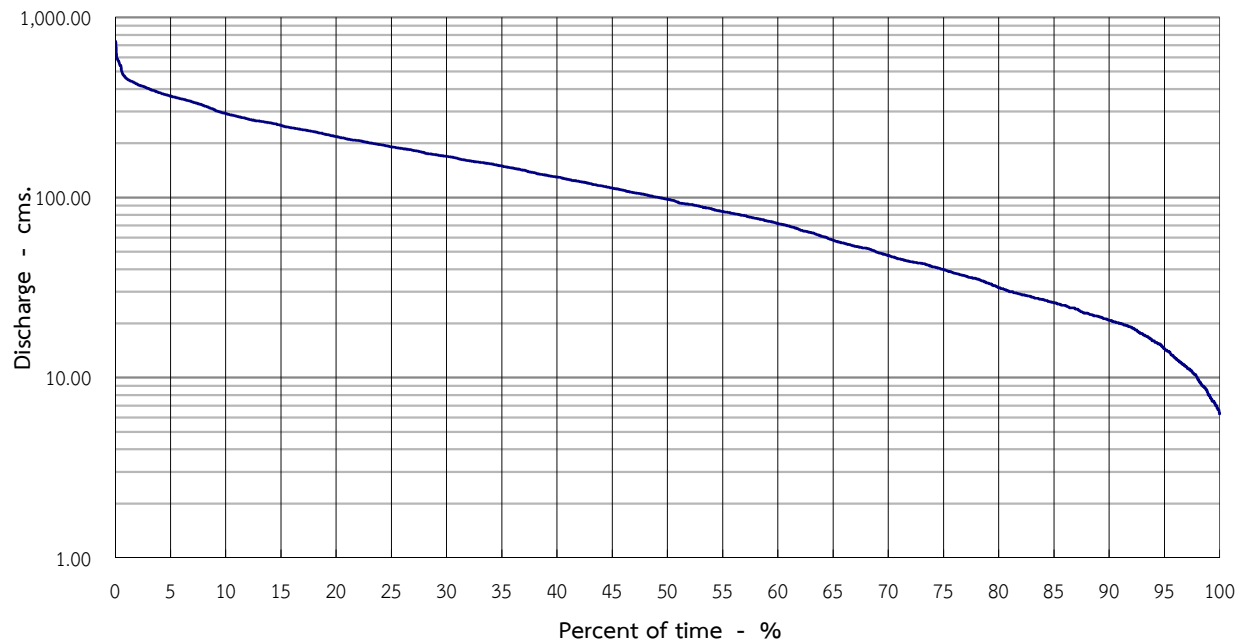


Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	10.7	2.8	1.4	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0



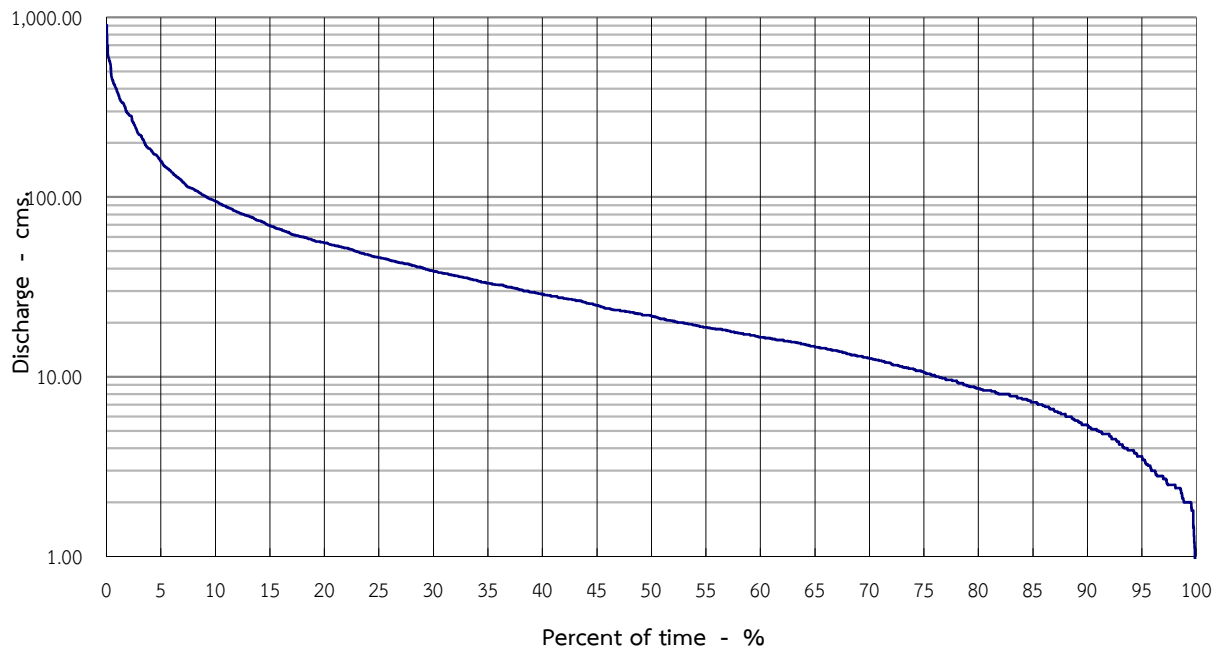
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	465.9	143.5	83.0	54.5	29.5	19.0	10.0	8.5	7.0	4.0	0.2

Flow Duration Curve for Daily Discharge (2012-2021)
Station X.37A Tapi River A.Phraseang P.Surat Thani



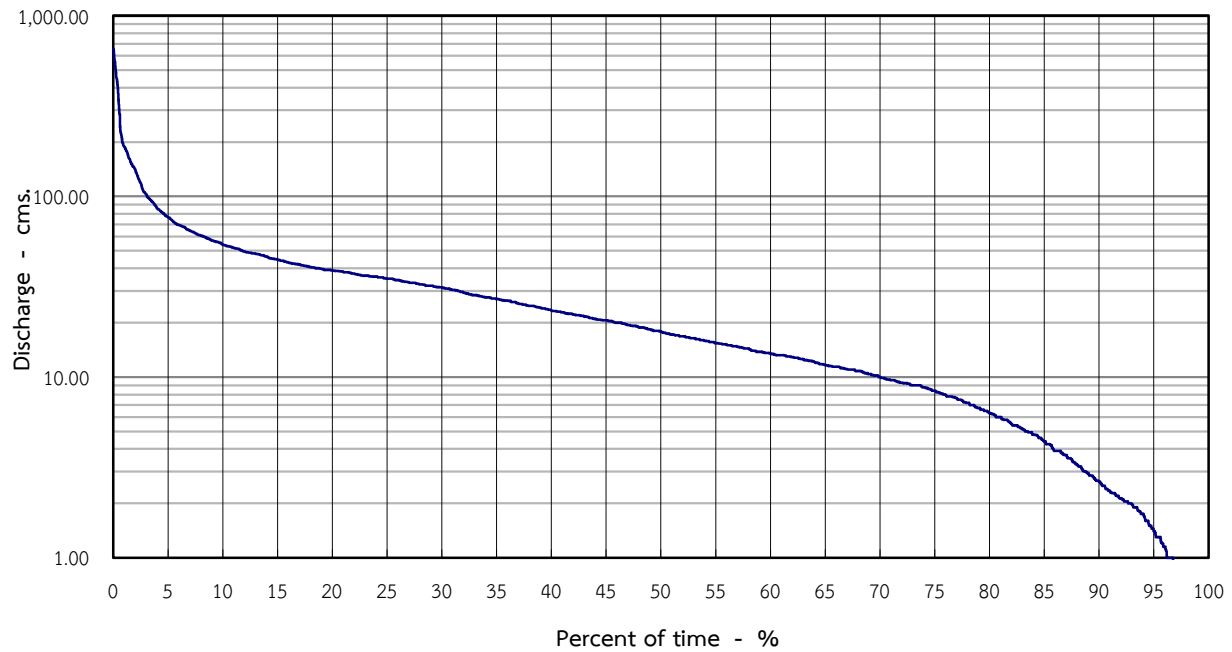
Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	458.0	292.6	218.0	169.2	97.7	71.6	31.6	26.0	20.8	14.5	6.3

Flow Duration Curve for Daily Discharge (2012-2021)
Station X.158 Klong Tha Taphao A.Thai Sae P.Chumphon



Percent of time - %	1	10	20	30	50	60	80	85	90	95	100
Discharge - cms.	384.7	95.0	55.7	38.8	21.8	16.6	8.6	7.2	5.4	3.6	0.0

Flow Duration Curve for Daily Discharge (2012-2021)
 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.	189.2	54.0	38.9	31.3	17.9	13.5	6.3	4.4	2.7	1.4	0.0